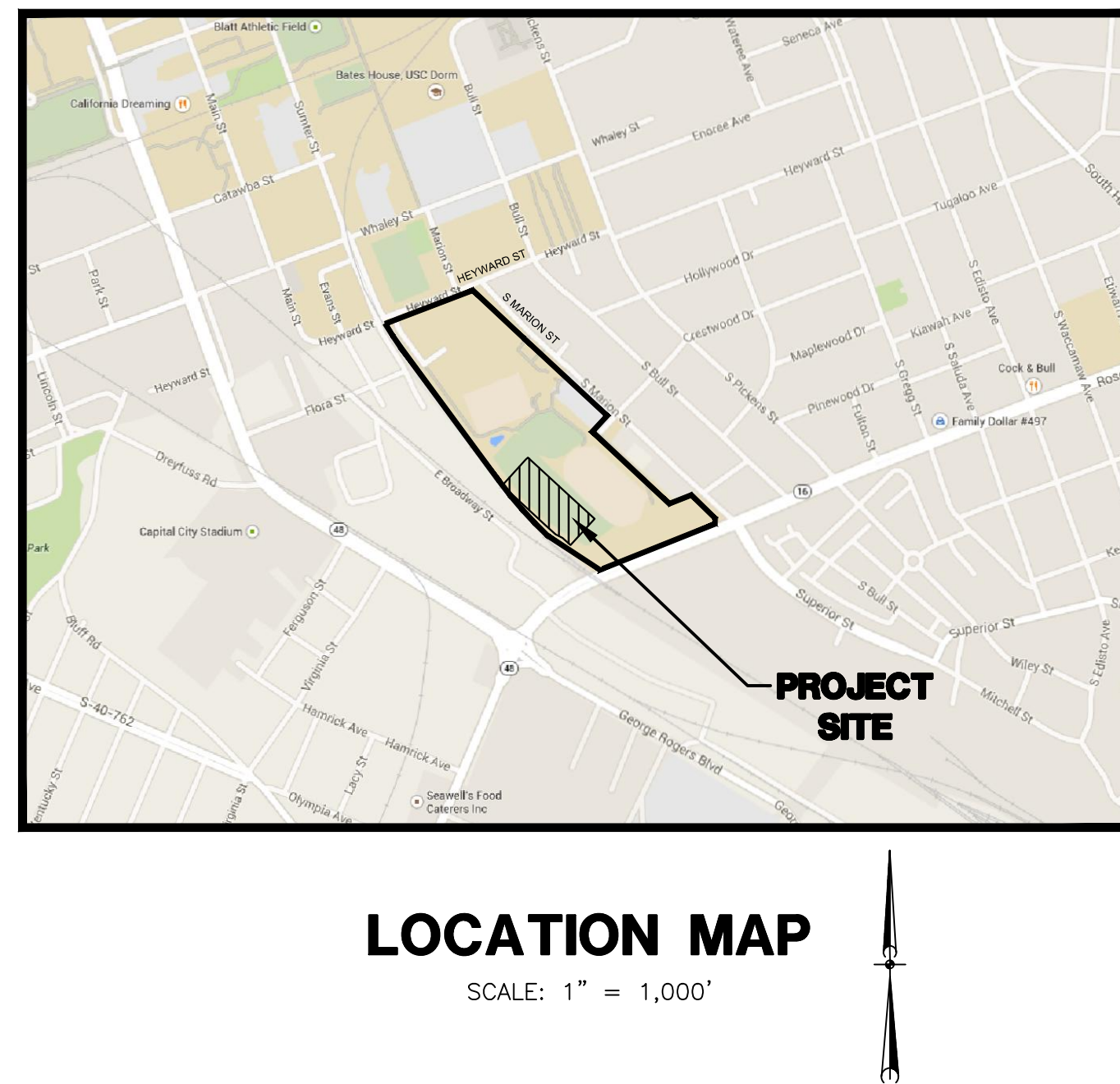
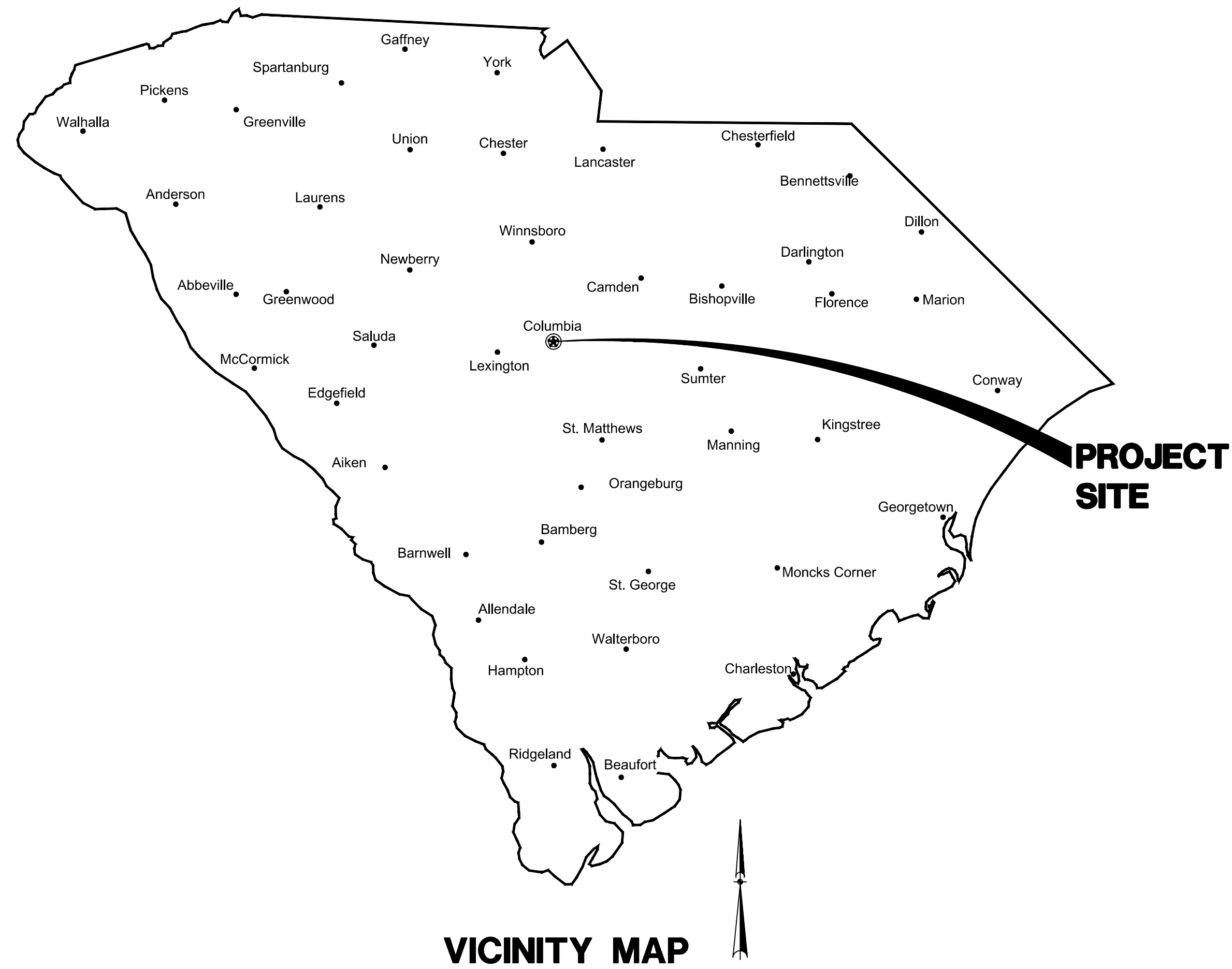


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 N:\PROJECTS\14423692\USE_PRACTICE_SOCCER_FIELDS_DRAINAGE_IMPROVEMENTS\COVER.DWG, 2/23/2015, 12:41:01 PM



PRACTICE SOCCER FIELDS DRAINAGE IMPROVEMENTS

PREPARED FOR
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA



SHEET INDEX

<u>SHEET</u>	<u>SHEET No.</u>
COVER SHEET	
GENERAL NOTES, LEGEND, SYMBOLS & ABBREVIATIONS	1
EXISTING CONDITIONS AND DEMOLITION PLAN	2
SITE PLAN	3
GRADING, STORM DRAINAGE AND EROSION CONTROL PLAN	4
SITE DETAILS	5-7
IRRIGATION PLAN AND DETAILS	8-9

REFER TO PROJECT SPECIFICATIONS FOR CONTRACTOR LICENSING AND FIELD CERTIFICATION REQUIREMENTS

STATE PROJECT NO.
H27-Z204

BID DOCUMENTS

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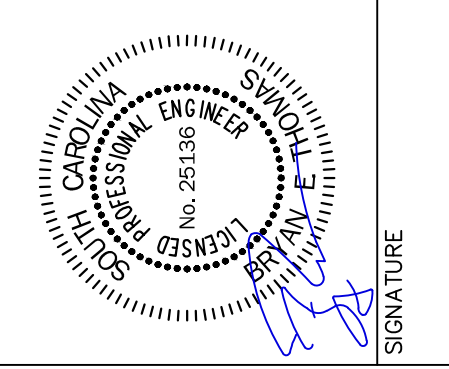
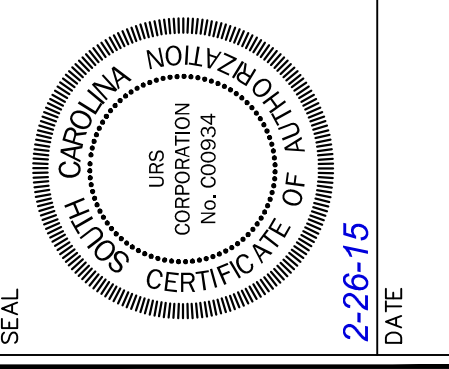
FEBRUARY 26, 2015

PROJECT NO.
46423692

FILE NO.
36,374-B91



1298 Professional Drive Myrtle Beach, SC 29577-5996
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ABBREVIATION WORD

Table listing abbreviations and words for various materials and construction terms, including A (AGGR), B (BL), C (CALC), D (DEC), E (EA), and F (FES).

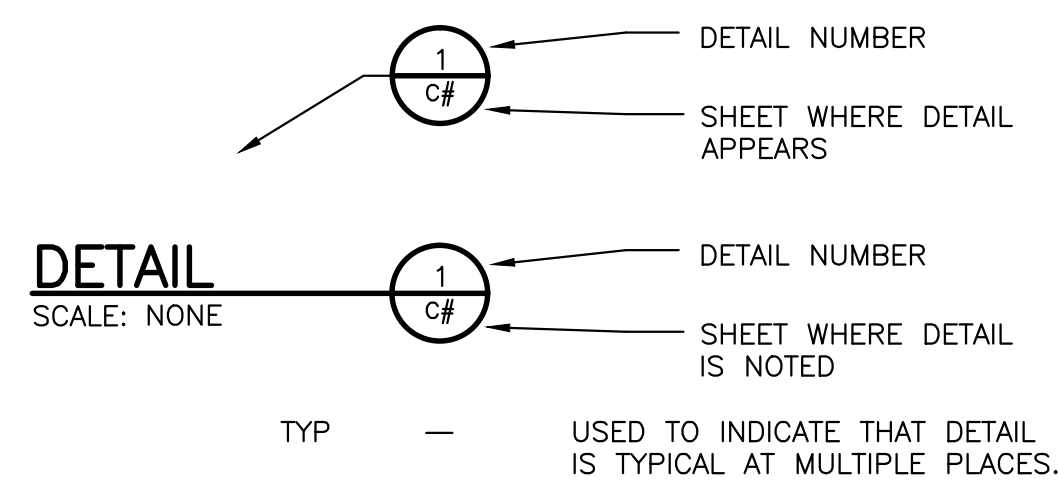
F CONT.

Table continuing abbreviations and words, including F (FIL), G (GAL), H (HDPE), I (IN), J (JCT), K (K), L (LAT), M (MH), N (NEG), O (O/C), P (PERM), R (R), and S (SCH).

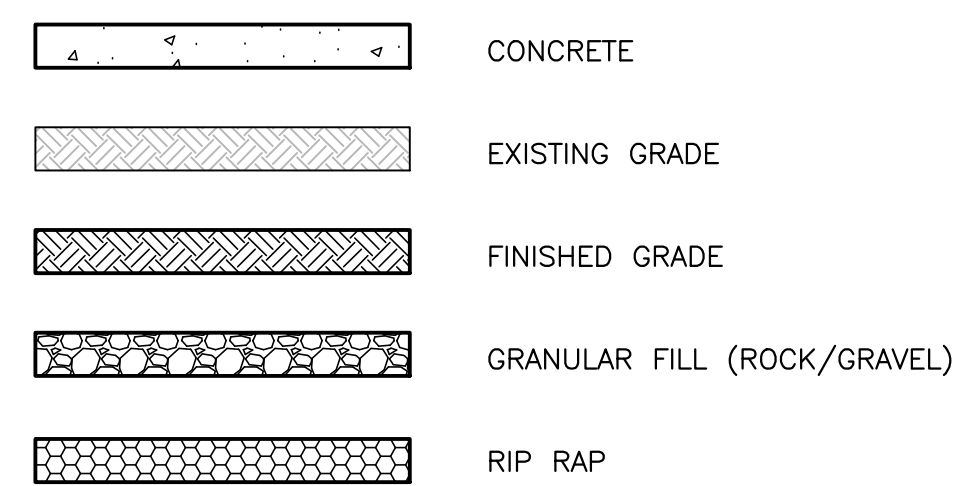
S

Table listing abbreviations and words for structural and piping components, including S (SCH), T (TAN), U (U), V (V), W (W), X (X), Y (Y), and Z (Z).

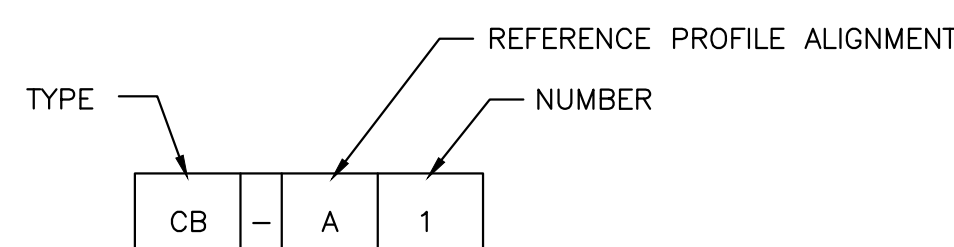
DETAIL REFERENCES



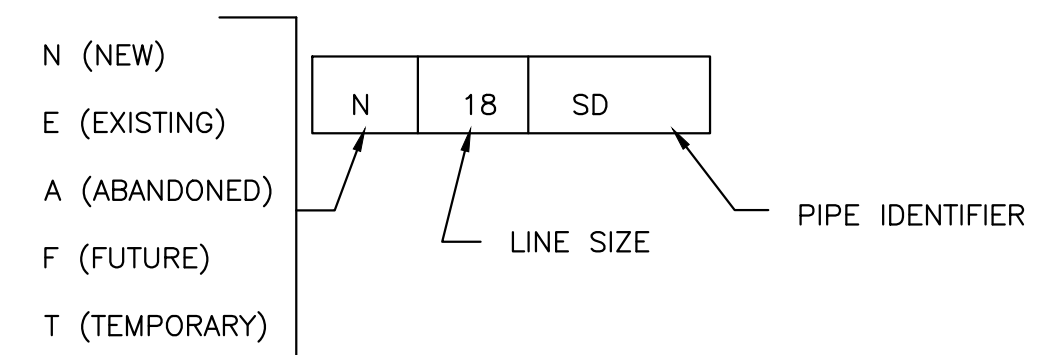
MATERIALS



STRUCTURE



PIPING



IDENTIFIER DESCRIPTION

Table mapping identifiers (DB, DRN, FM, G, SD, S, W) to descriptions (DUCT BANK, DRAIN, FORCEMAIN, GAS, STORM DRAIN, SANITARY SEWER, WATER).

GENERAL NOTES

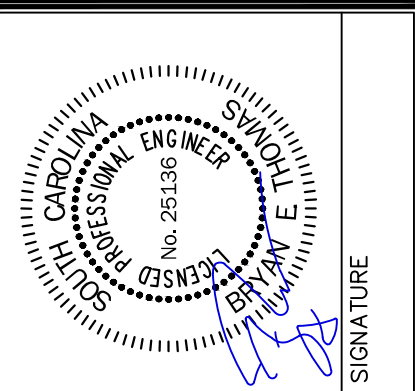
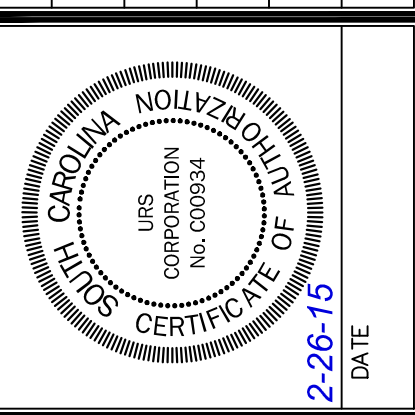
- 1. REFERENCE IS MADE TO THE FOLLOWING: A. BOUNDARY, TOPOGRAPHIC, & UTILITY SURVEYS PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA BY BP BARBER & ASSOCIATES, DATED MAY 16, 2007 THROUGH OCTOBER 4, 2007.

LEGEND

Legend table with columns for EXISTING and NEW, listing symbols for contours, pavement, curbs, drainage, and structures.

REVISIONS table with columns for NO, DESCRIPTION, DATE, BY.

APPROVALS table with columns for PROJECT ENG, DESIGNED BY, DRAWN BY, CHECKED BY, APPROVED BY.



CHA logo and URS Corporation contact information: 101 Research Drive, Columbia, South Carolina 29203.

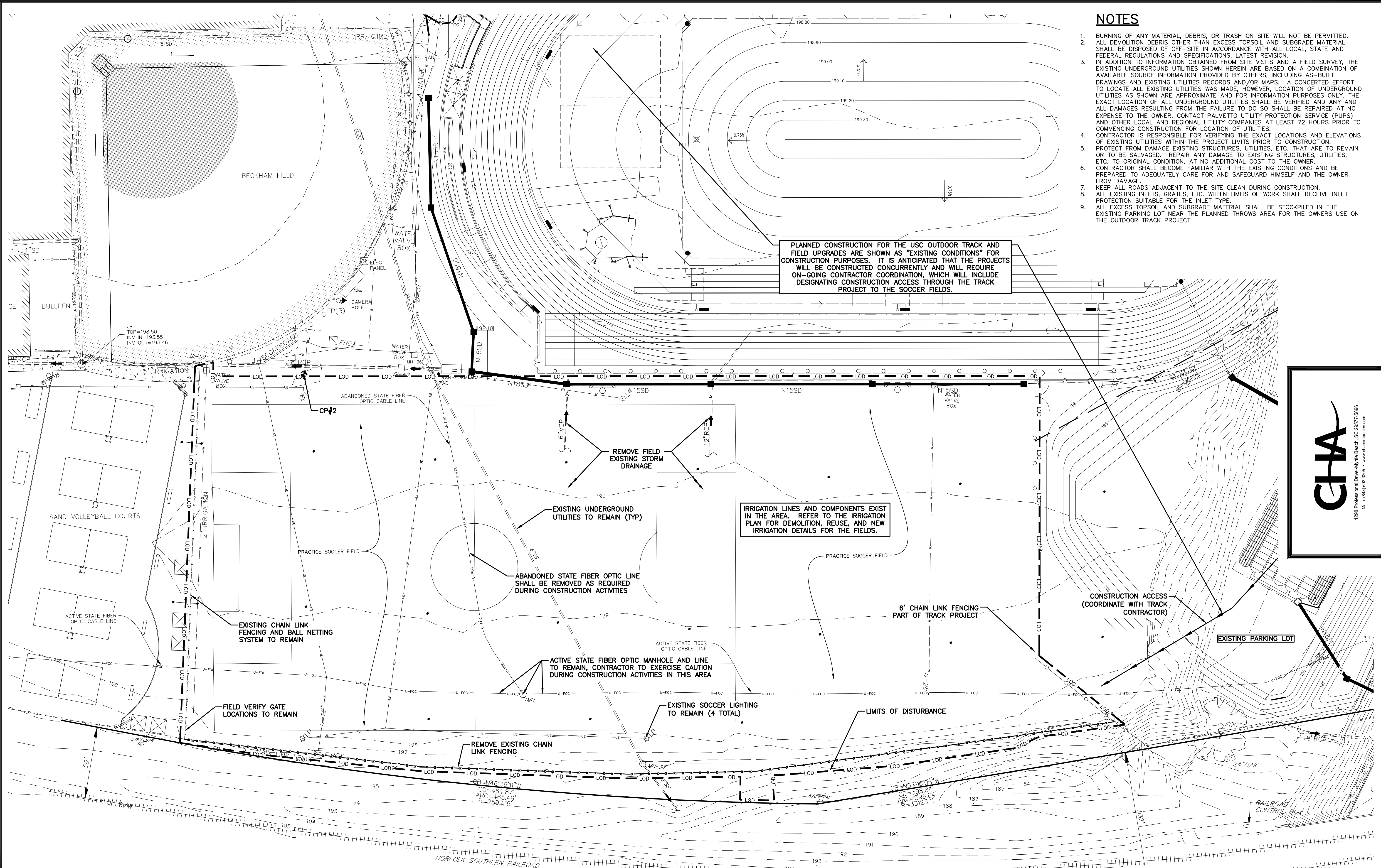
GENERAL NOTES, LEGEND, SYMBOLS, & ABBREVIATIONS

PROJECT: PRACTICE SOCCER FIELDS DRAINAGE IMPROVEMENTS PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA

STATE PROJECT NO. H27-Z204 BID DOCUMENTS THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION

Table with columns for SHEET (1 OF 9), PROJECT NO. (46423692), FILE NO. (36,374-891)

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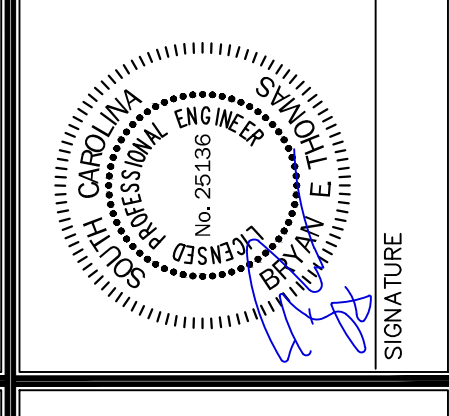
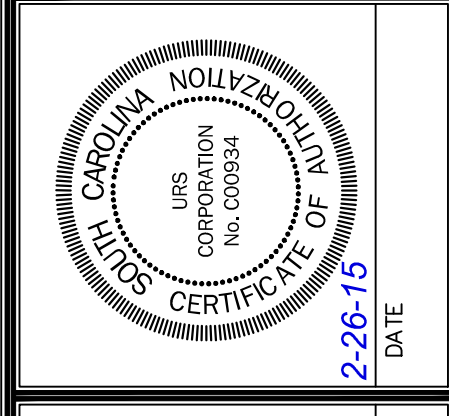


NOTES

- BURNING OF ANY MATERIAL, DEBRIS, OR TRASH ON SITE WILL NOT BE PERMITTED. ALL DEMOLITION DEBRIS OTHER THAN EXCESS TOPSOIL AND SUBGRADE MATERIAL SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS AND SPECIFICATIONS, LATEST REVISION.
- IN ADDITION TO INFORMATION OBTAINED FROM SITE VISITS AND A FIELD SURVEY, THE EXISTING UNDERGROUND UTILITIES SHOWN HEREIN ARE BASED ON A COMBINATION OF AVAILABLE SOURCE INFORMATION PROVIDED BY OTHERS, INCLUDING AS-BUILT DRAWINGS AND EXISTING UTILITIES RECORDS AND/OR MAPS. A CONCERTED EFFORT TO LOCATE ALL EXISTING UTILITIES WAS MADE, HOWEVER, LOCATION OF UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES SHALL BE VERIFIED AND ANY AND ALL DAMAGES RESULTING FROM THE FAILURE TO DO SO SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER. CONTACT PALMETTO UTILITY PROTECTION SERVICE (PUPS) AND OTHER LOCAL AND REGIONAL UTILITY COMPANIES AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION FOR LOCATION OF UTILITIES.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES WITHIN THE PROJECT LIMITS PRIOR TO CONSTRUCTION. PROTECT FROM DAMAGE EXISTING STRUCTURES, UTILITIES, ETC. THAT ARE TO REMAIN OR TO BE SALVAGED. REPAIR ANY DAMAGE TO EXISTING STRUCTURES, UTILITIES, ETC. TO ORIGINAL CONDITION, AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND BE PREPARED TO ADEQUATELY CARE FOR AND SAFEGUARD HIMSELF AND THE OWNER FROM DAMAGE.
- KEEP ALL ROADS ADJACENT TO THE SITE CLEAN DURING CONSTRUCTION.
- ALL EXISTING INLETS, GRATES, ETC. WITHIN LIMITS OF WORK SHALL RECEIVE INLET PROTECTION SUITABLE FOR THE INLET TYPE.
- ALL EXCESS TOPSOIL AND SUBGRADE MATERIAL SHALL BE STOCKPILED IN THE EXISTING PARKING LOT NEAR THE PLANNED THROWS AREA FOR THE OWNERS USE ON THE OUTDOOR TRACK PROJECT.

REVISIONS		DATE	BY
NO.	DESCRIPTION		

APPROVALS	PROJECT ENG.	BET
	DESIGNED BY:	MDJ
	DRAWN BY:	MDJ
	CHECKED BY:	BET
	APPROVED:	BET



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EXISTING CONDITIONS AND DEMOLITION PLAN
 DATE: FEB 26, 2015 SCALE: 1"=30'

PRACTICE SOCCER FIELDS DRAINAGE IMPROVEMENTS
 PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA
 CITY OF COLUMBIA SOUTH CAROLINA

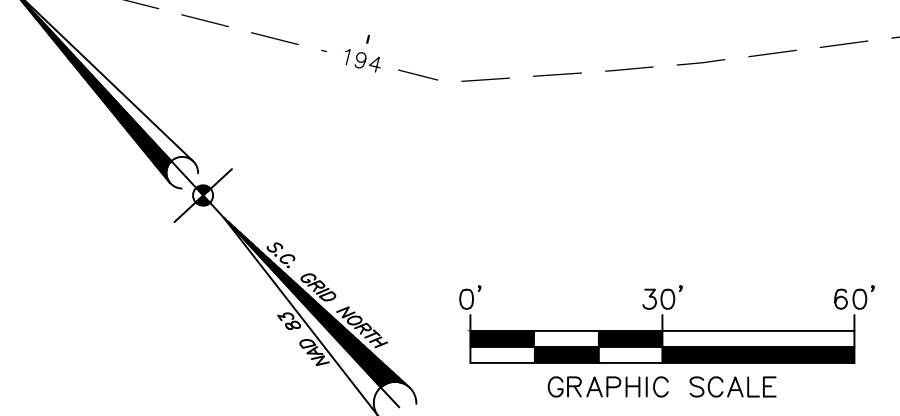
DWG NAME	S2_EXDM	SHEET	2
N.B. NO.		OF	9
PROJECT NO.	46423692	FILE NO.	36,374-891

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA

 PALMETTO UTILITY PROTECTION SERVICE, INC. (PUPS)
 ALL UTILITIES MAY NOT BE A MEMBER OF PUPS. COORDINATE WITH LOCAL UTILITY COMPANIES FOR MARKING OF THEIR UTILITIES ALSO.

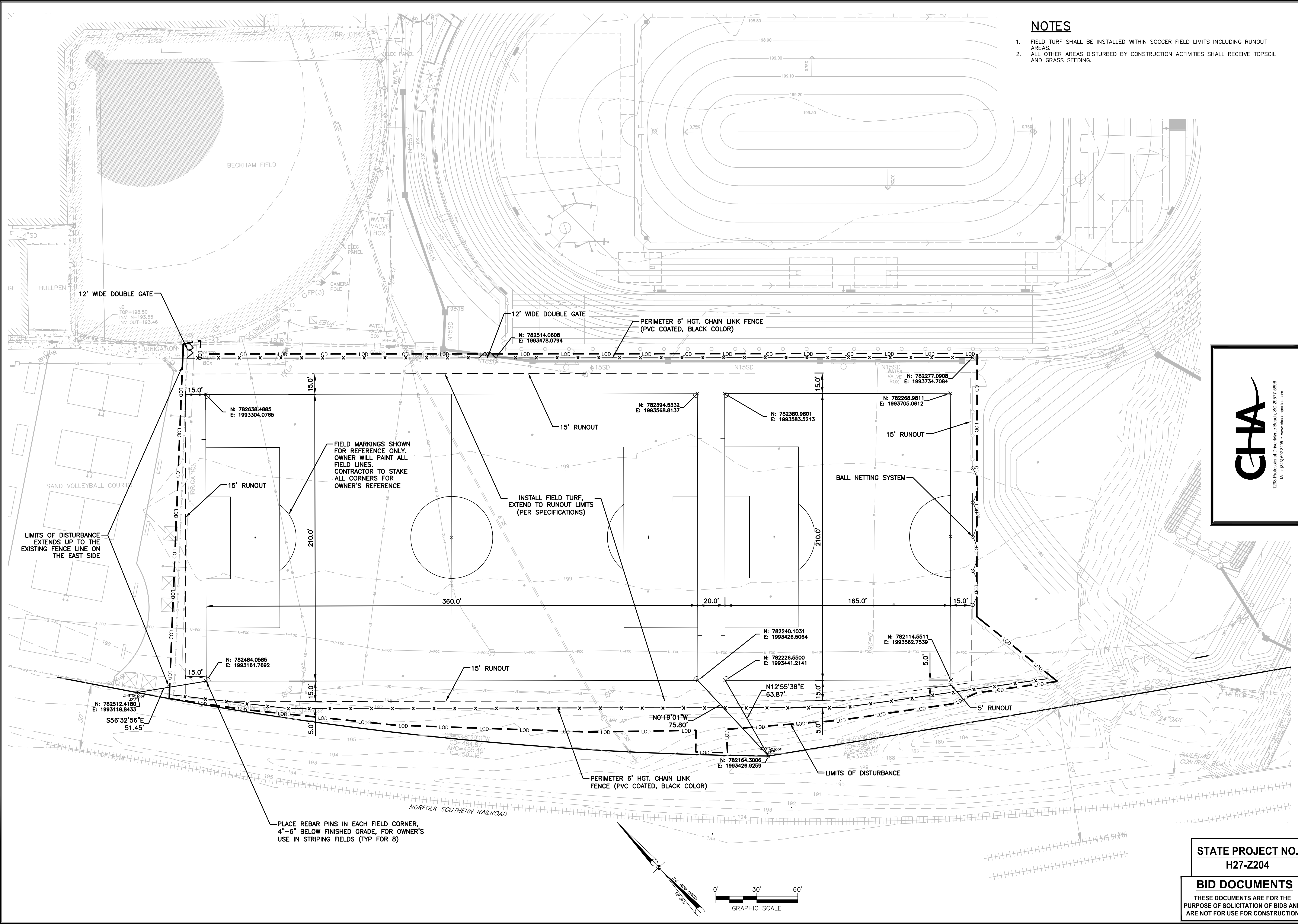
ORIGINATION OF VERTICAL DATUM:
 NGS MONUMENT - V 136 1978
 PID NO. DE1381
 ELEVATION = 188.15' (NAVD88)

BENCHMARKS:
 CP 1 - REBAR (IN PARKING LOT GRASSED ISLAND NORTH OF BECKHAM FIELD)
 ELEVATION = 213.494'
 NORTHING = 782621.8344
 EASTING = 1993645.5595
 CP 2
 ELEVATION = 197.809'
 NORTHING = 782621.8344
 EASTING = 1993368.1695



STATE PROJECT NO. H27-Z204
BID DOCUMENTS
 THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION

N:\PROJECTS\442092-USC PRACTICE SOCCER FIELDS\DRAWINGS\SHEETS\S3_SITING\2/23/2015 12:41:57 PM
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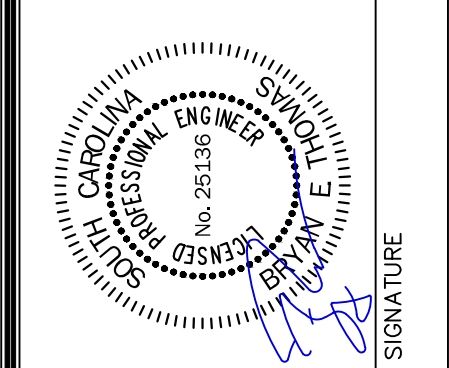
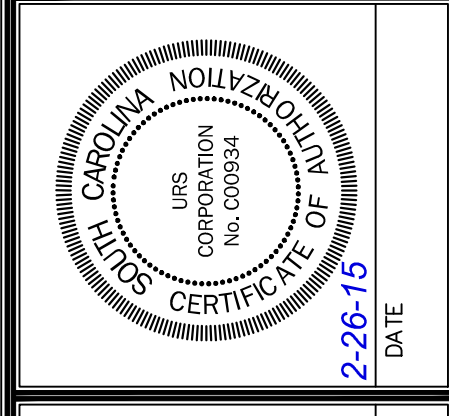


NOTES

1. FIELD TURF SHALL BE INSTALLED WITHIN SOCCER FIELD LIMITS INCLUDING RUNOUT AREAS.
2. ALL OTHER AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL RECEIVE TOPSOIL AND GRASS SEEDING.

REVISIONS		
NO.	DESCRIPTION	DATE

APPROVALS	PROJECT ENG.	DATE	BY
BET	DESIGNED BY:		
MDJ	MDJ		
MDJ	DRAWN BY:		
BET	CHECKED BY:		
BET	APPROVED:		



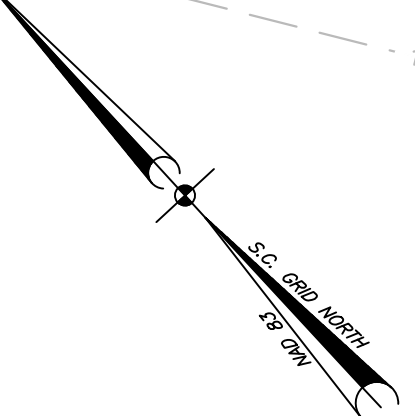
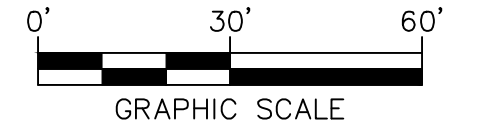
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SHEET TITLE: **SITE PLAN**
 DATE: FEB 26, 2015 SCALE: 1"=30'

PROJECT: **PRACTICE SOCCER FIELDS DRAINAGE IMPROVEMENTS**
 PREPARED FOR: **THE UNIVERSITY OF SOUTH CAROLINA**
 CITY OF COLUMBIA SOUTH CAROLINA

.DWG NAME	S3_SITE	SHEET	3
N.B. NO.		OF	9
PROJECT NO.	46423692	FILE NO.	36,374-B91

STATE PROJECT NO. H27-Z204
BID DOCUMENTS
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PLACE REBAR PINS IN EACH FIELD CORNER, 4"-6" BELOW FINISHED GRADE, FOR OWNER'S USE IN STRIPING FIELDS (TYP FOR 8)

FIELD MARKINGS SHOWN FOR REFERENCE ONLY. OWNER WILL PAINT ALL FIELD LINES. CONTRACTOR TO STAKE ALL CORNERS FOR OWNER'S REFERENCE

INSTALL FIELD TURF, EXTEND TO RUNOUT LIMITS (PER SPECIFICATIONS)

LIMITS OF DISTURBANCE EXTENDS UP TO THE EXISTING FENCE LINE ON THE EAST SIDE

12' WIDE DOUBLE GATE

12' WIDE DOUBLE GATE

PERIMETER 6' HGT. CHAIN LINK FENCE (PVC COATED, BLACK COLOR)

BALL NETTING SYSTEM

PERIMETER 6' HGT. CHAIN LINK FENCE (PVC COATED, BLACK COLOR)

LIMITS OF DISTURBANCE

N: 782638.4885
E: 1993304.0785

N: 782394.5332
E: 1993569.8137

N: 782380.9801
E: 1993583.5213

N: 782277.0808
E: 1993734.7084

N: 782268.9811
E: 1993705.0612

N: 782484.0585
E: 1993161.7692

N: 782240.1031
E: 1993428.5064

N: 782228.5500
E: 1993441.2141

N: 782114.5511
E: 1993562.7539

N: 782512.4180
E: 1993118.8433

N: 782164.3006
E: 1993426.9259

S56°32'56"E
51.45'

N0°19'01"W
75.80'

N12°55'38"E
63.87'

5' RUNOUT

15' RUNOUT

15' RUNOUT

15' RUNOUT

15' RUNOUT

15' RUNOUT

15' RUNOUT

15' SD

4" SD

2" IRRIGATION

U-FOC

U-FOC

U-FOC

U-FOC

U-FOC

U-FOC

U-FOC

U-FOC

U-FOC

U-FOC

U-FOC

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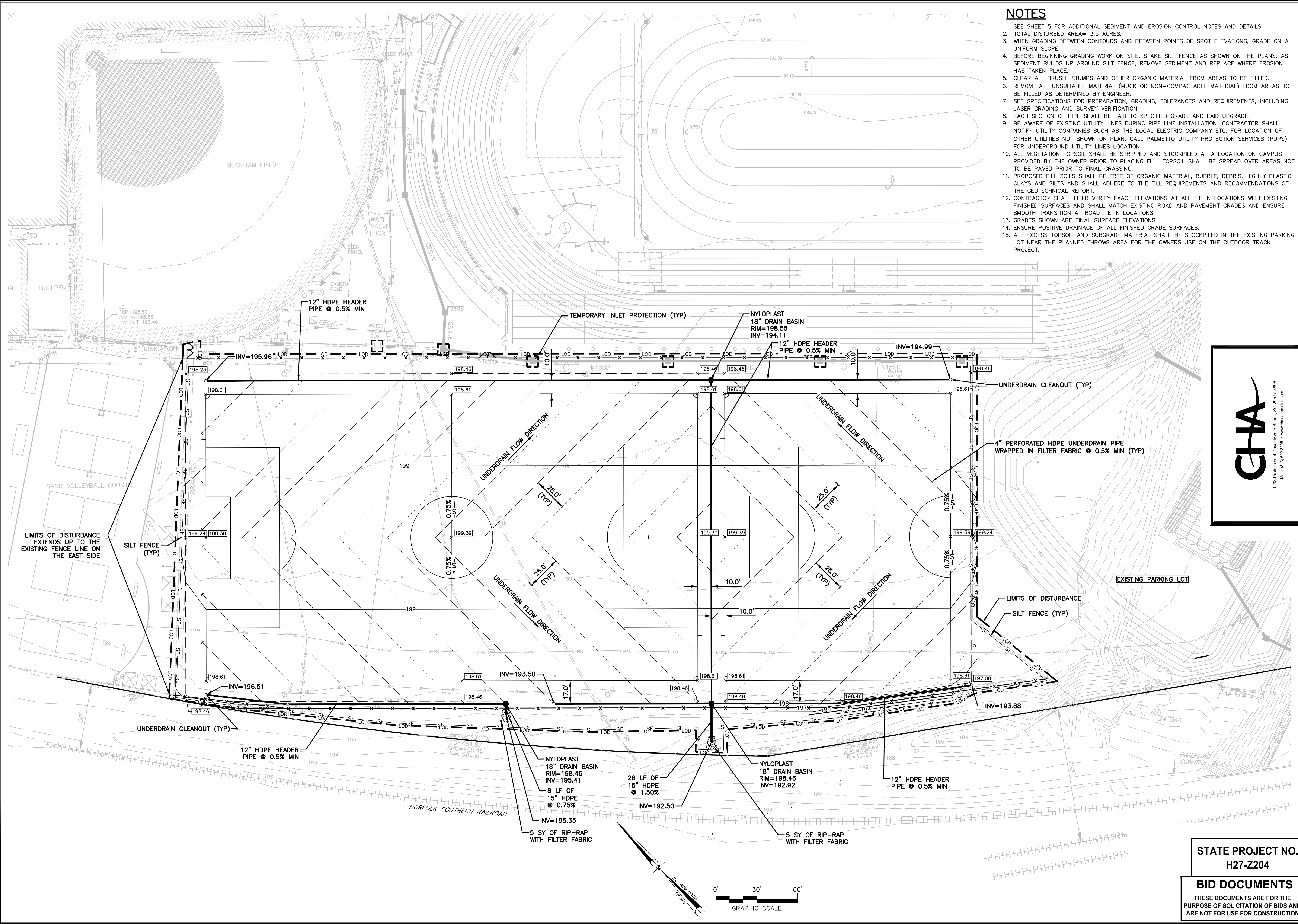
U-FOC

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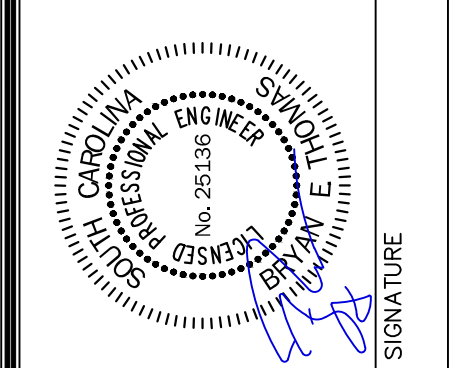
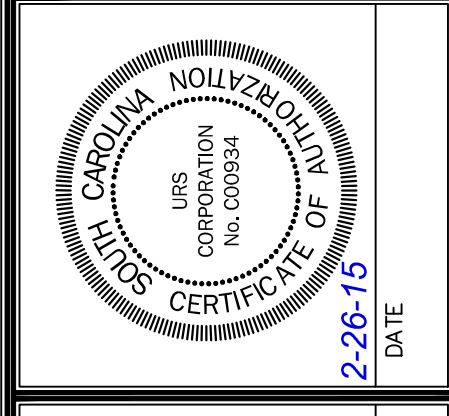
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- ### NOTES
- SEE SHEET 5 FOR ADDITIONAL SEDIMENT AND EROSION CONTROL NOTES AND DETAILS.
 - TOTAL DISTURBED AREA= 3.5 ACRES.
 - WHEN GRADING BETWEEN CONTOURS AND BETWEEN POINTS OF SPOT ELEVATIONS, GRADE ON A UNIFORM SLOPE.
 - BEFORE BEGINNING GRADING WORK ON SITE, STAKE SILT FENCE AS SHOWN ON THE PLANS. AS SEDIMENT BUILDS UP AROUND SILT FENCE, REMOVE SEDIMENT AND REPLACE WHERE EROSION HAS TAKEN PLACE.
 - CLEAR ALL BRUSH, STUMPS AND OTHER ORGANIC MATERIAL FROM AREAS TO BE FILLED.
 - REMOVE ALL UNSUITABLE MATERIAL (MUCK OR NON-COMPACTABLE MATERIAL) FROM AREAS TO BE FILLED AS DETERMINED BY ENGINEER.
 - SEE SPECIFICATIONS FOR PREPARATION, GRADING, TOLERANCES AND REQUIREMENTS, INCLUDING LASER GRADING AND SURVEY VERIFICATION.
 - EACH SECTION OF PIPE SHALL BE LAID TO SPECIFIED GRADE AND LAID UPGRADE.
 - BE AWARE OF EXISTING UTILITY LINES DURING PIPE LINE INSTALLATION. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES SUCH AS THE LOCAL ELECTRIC COMPANY ETC. FOR LOCATION OF OTHER UTILITIES NOT SHOWN ON PLAN. CALL PALMETTO UTILITY PROTECTION SERVICES (PUPS) FOR UNDERGROUND UTILITY LINES LOCATION.
 - ALL VEGETATION TOPSOIL SHALL BE STRIPPED AND STOCKPILED AT A LOCATION ON CAMPUS PROVIDED BY THE OWNER PRIOR TO PLACING FILL. TOPSOIL SHALL BE SPREAD OVER AREAS NOT TO BE PAVED PRIOR TO FINAL GRASSING.
 - PROPOSED FILL SOILS SHALL BE FREE OF ORGANIC MATERIAL, RUBBLE, DEBRIS, HIGHLY PLASTIC CLAYS AND SILTS AND SHALL ADHERE TO THE FILL REQUIREMENTS AND RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
 - CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS AT ALL TIE IN LOCATIONS WITH EXISTING FINISHED SURFACES AND SHALL MATCH EXISTING ROAD AND PAVEMENT GRADES AND ENSURE SMOOTH TRANSITION AT ROAD TIE IN LOCATIONS.
 - GRADES SHOWN ARE FINAL SURFACE ELEVATIONS.
 - ENSURE POSITIVE DRAINAGE OF ALL FINISHED GRADE SURFACES.
 - ALL EXCESS TOPSOIL AND SUBGRADE MATERIAL SHALL BE STOCKPILED IN THE EXISTING PARKING LOT NEAR THE PLANNED THROWS AREA FOR THE OWNERS USE ON THE OUTDOOR TRACK PROJECT.

REVISIONS	
NO.	DESCRIPTION

APPROVALS	PROJECT ENG. BY: BET	DESIGNED BY: MDJ	DRAWN BY: MDJ	CHECKED BY: BET	APPROVED: BET
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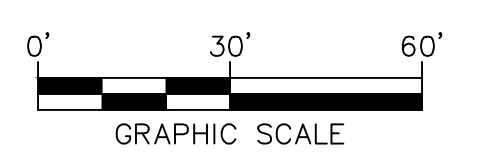
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SHEET TITLE: GRADING, STORM DRAINAGE AND EROSION CONTROL PLAN
 DATE: FEB 26, 2015 SCALE: 1"=30'

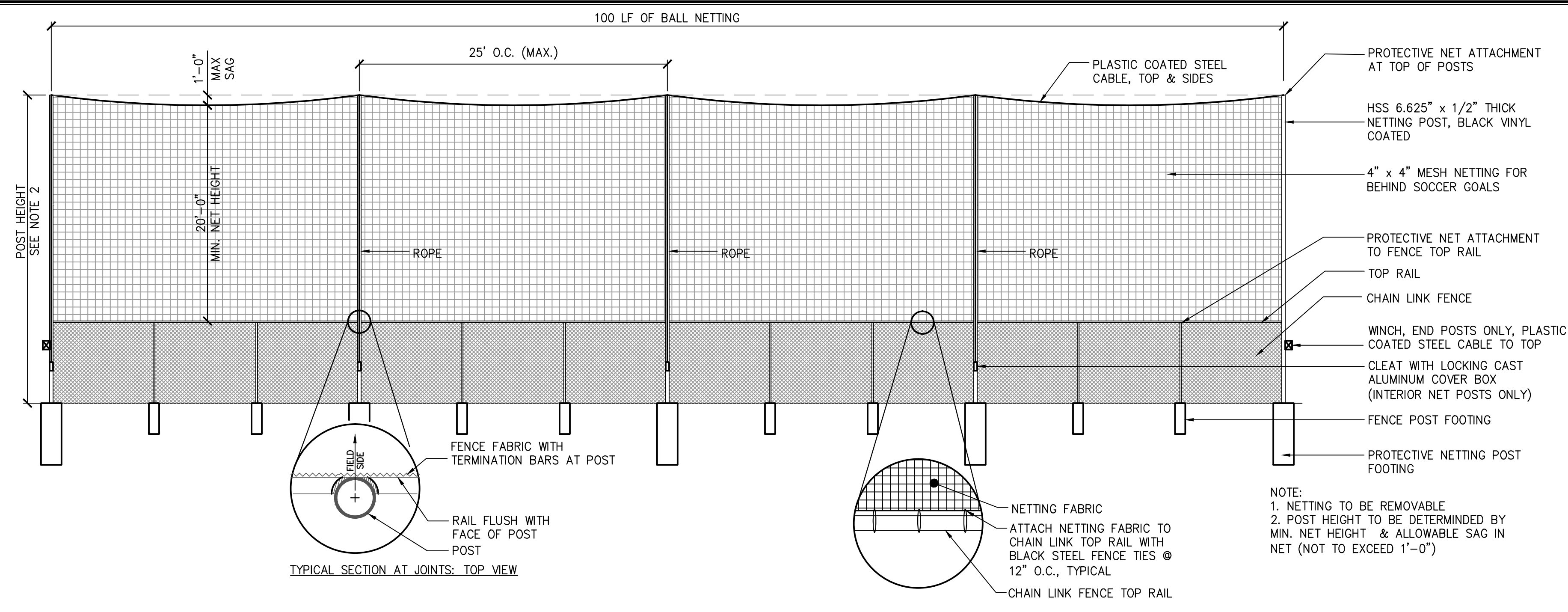
PROJECT: PRACTICE SOCCER FIELDS DRAINAGE IMPROVEMENTS PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA
 CITY OF COLUMBIA SOUTH CAROLINA

STATE PROJECT NO. H27-2204
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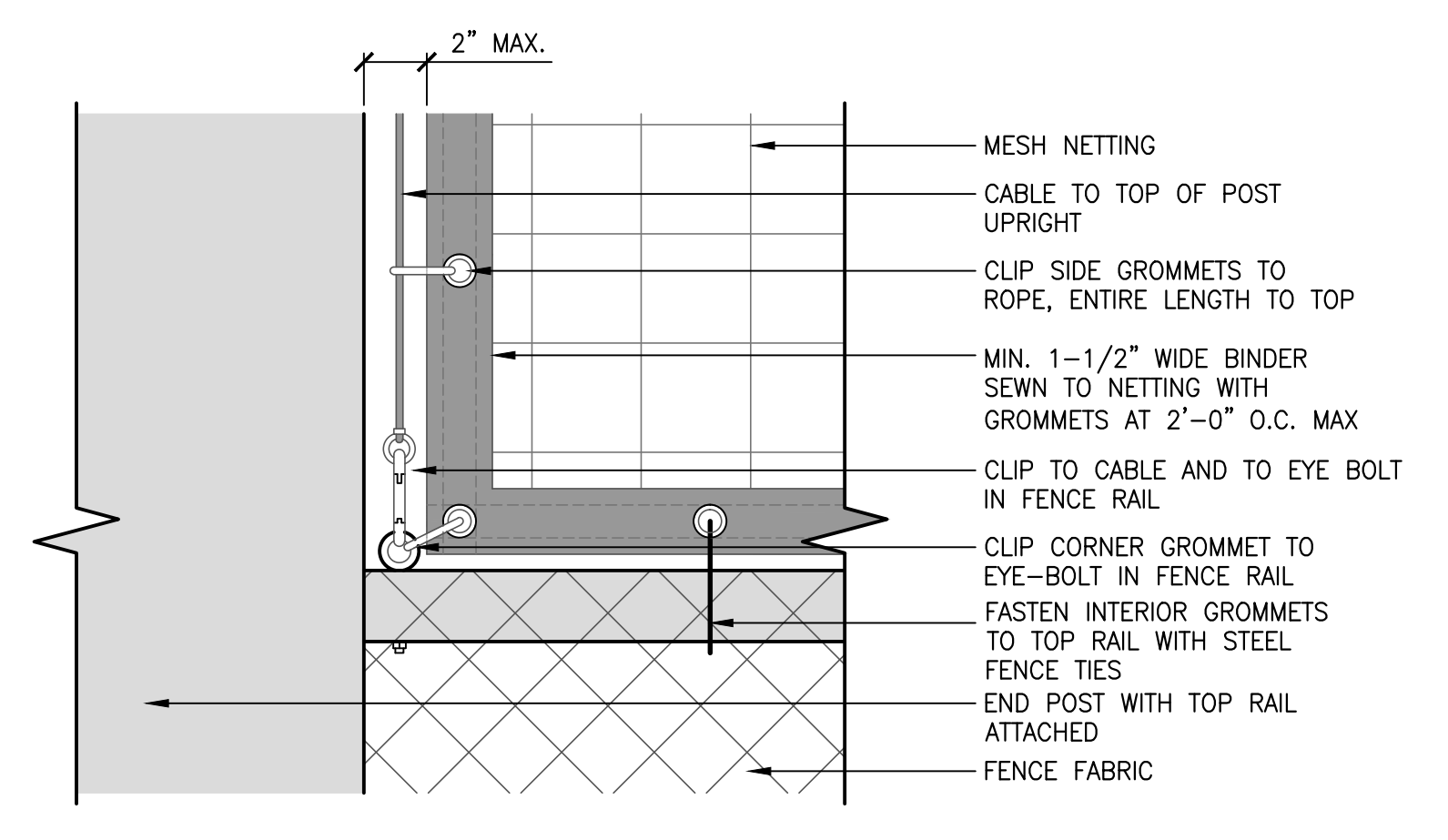
DWG NAME: S4_GRSD	SHEET: 4
N.B. NO.:	OF: 9
PROJECT NO. 46423692	FILE NO. 36,374-891



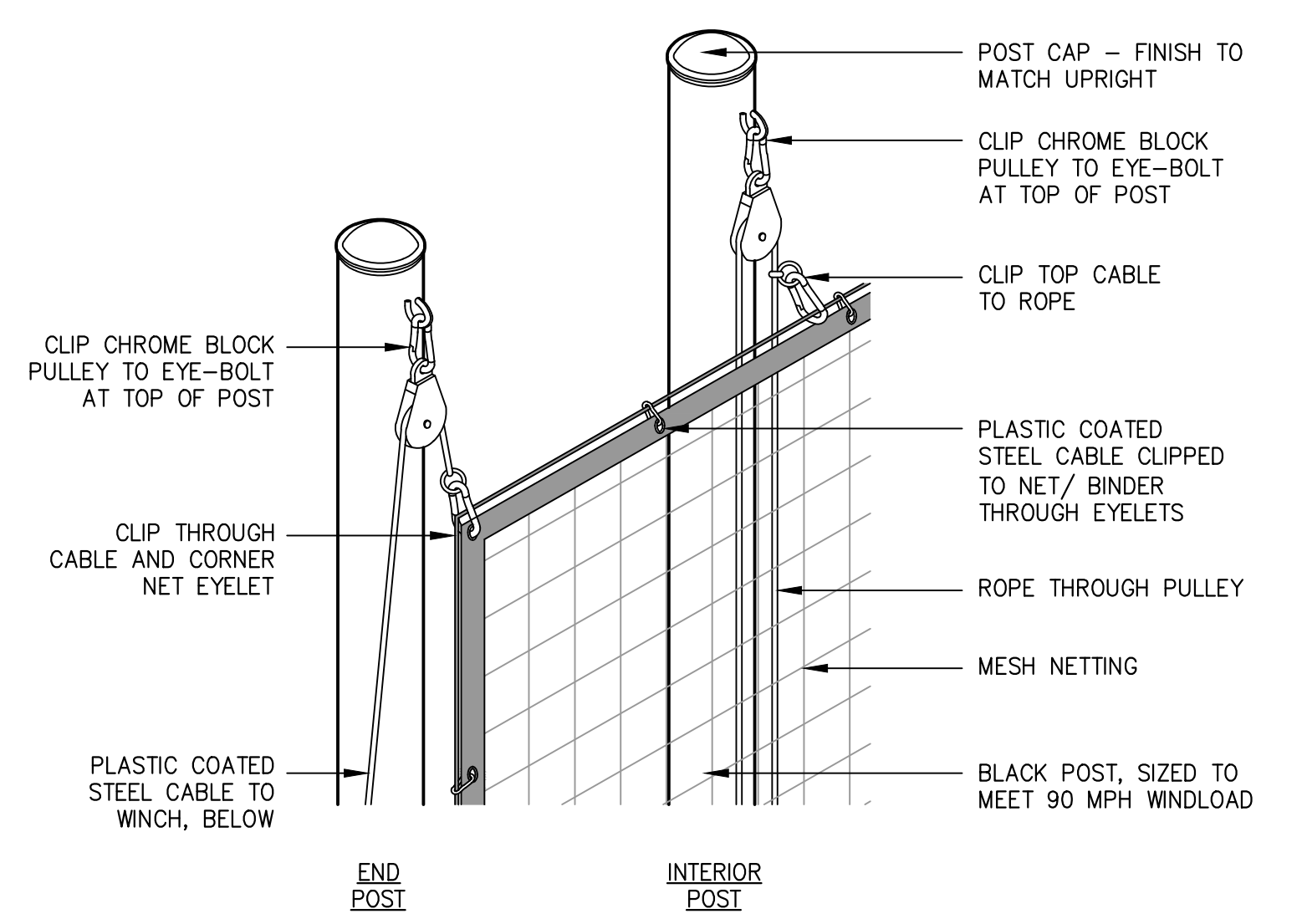
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 H:\PROJECTS\442092_USC_PRACTICE SOCCER FIELD_DRAWINGS\SHEETS\SS-S7_DET.DWG 2/23/2015 12:42:47 PM



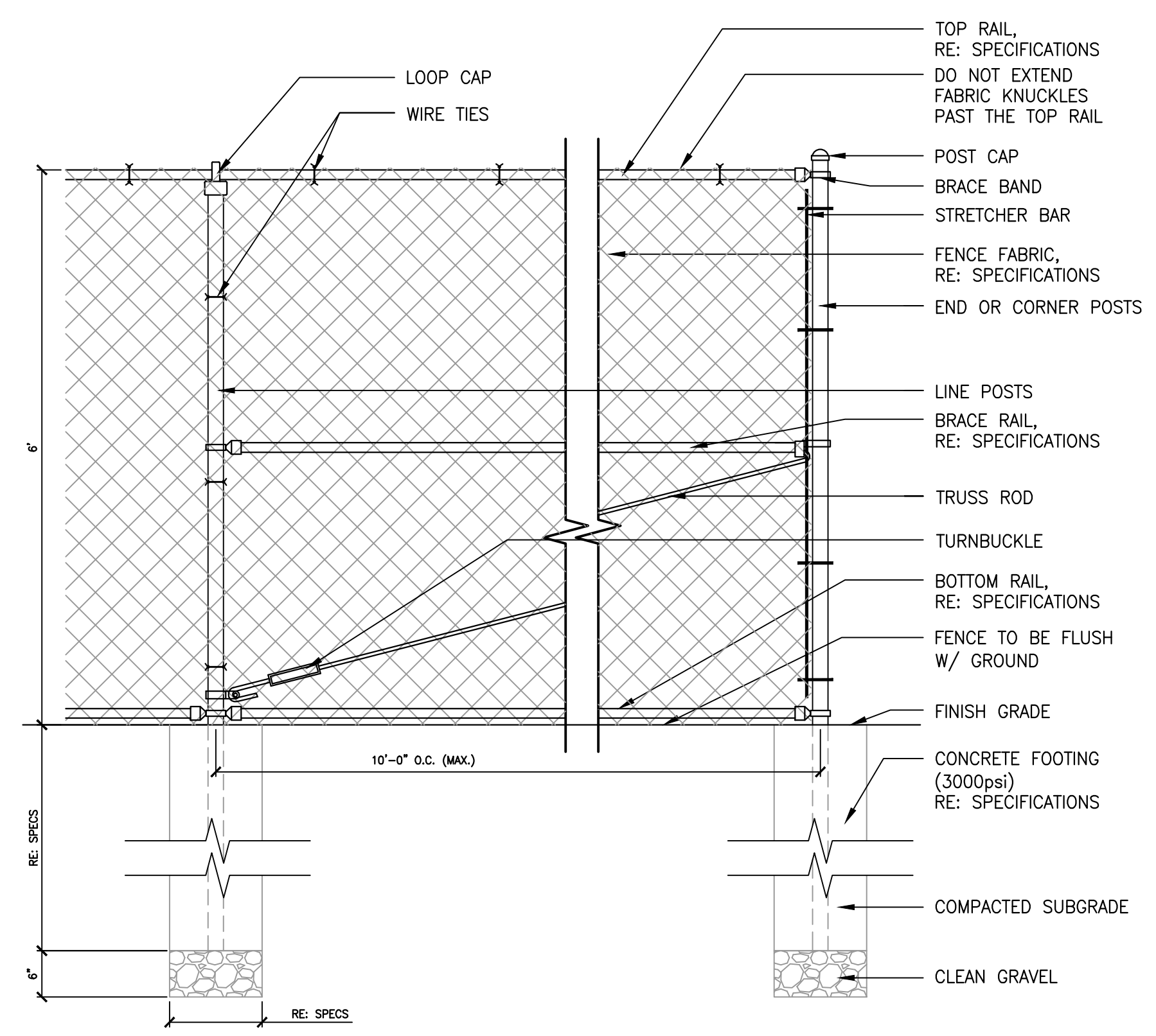
1 BALL NETTING SYSTEM
1/8"=1'-0"



2 BALL NETTING ATTACHMENT DETAIL
3"=1'-0"

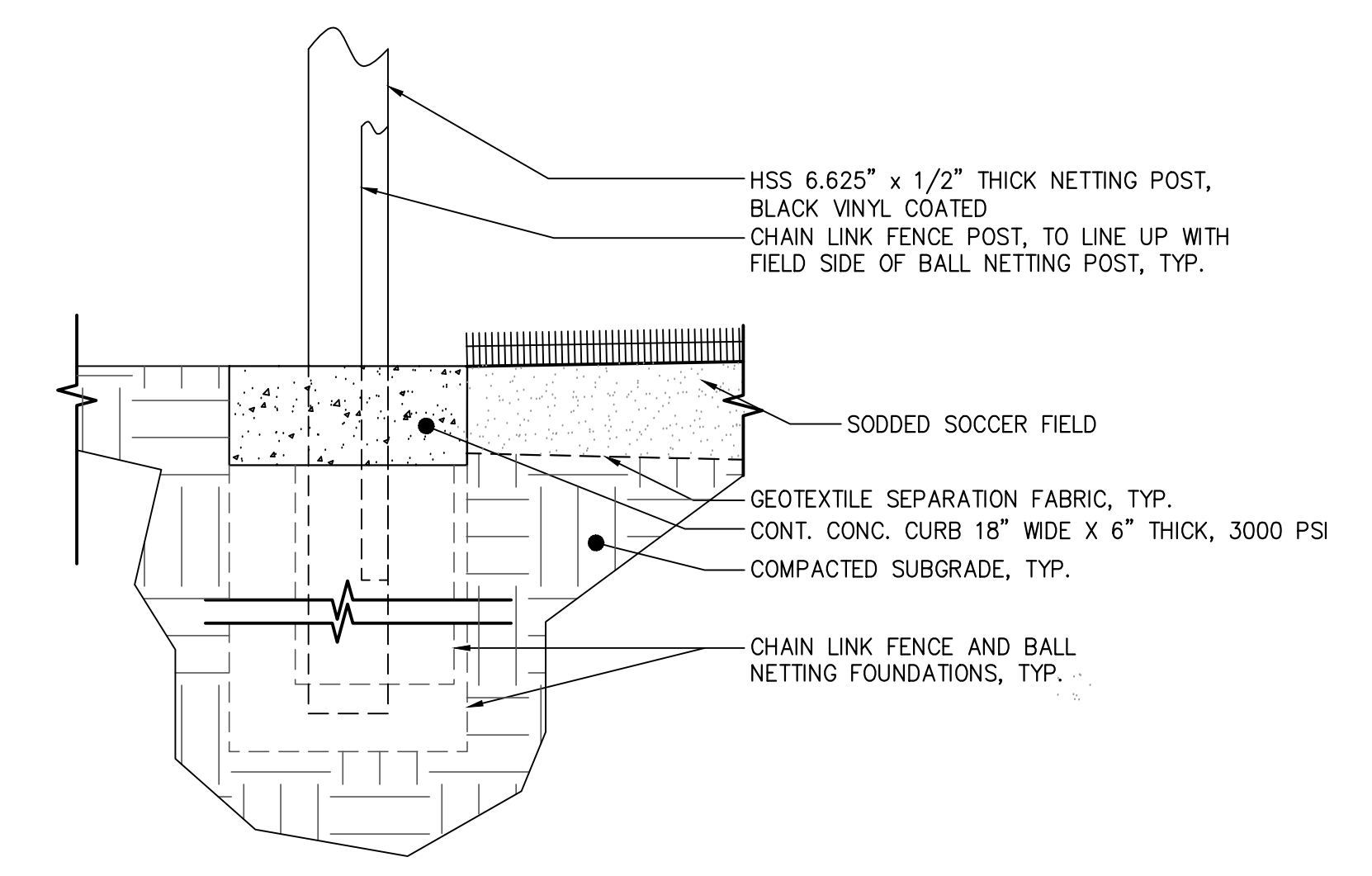


3 BALL NETTING PULLEY DETAIL
1 1/2"=1'-0"

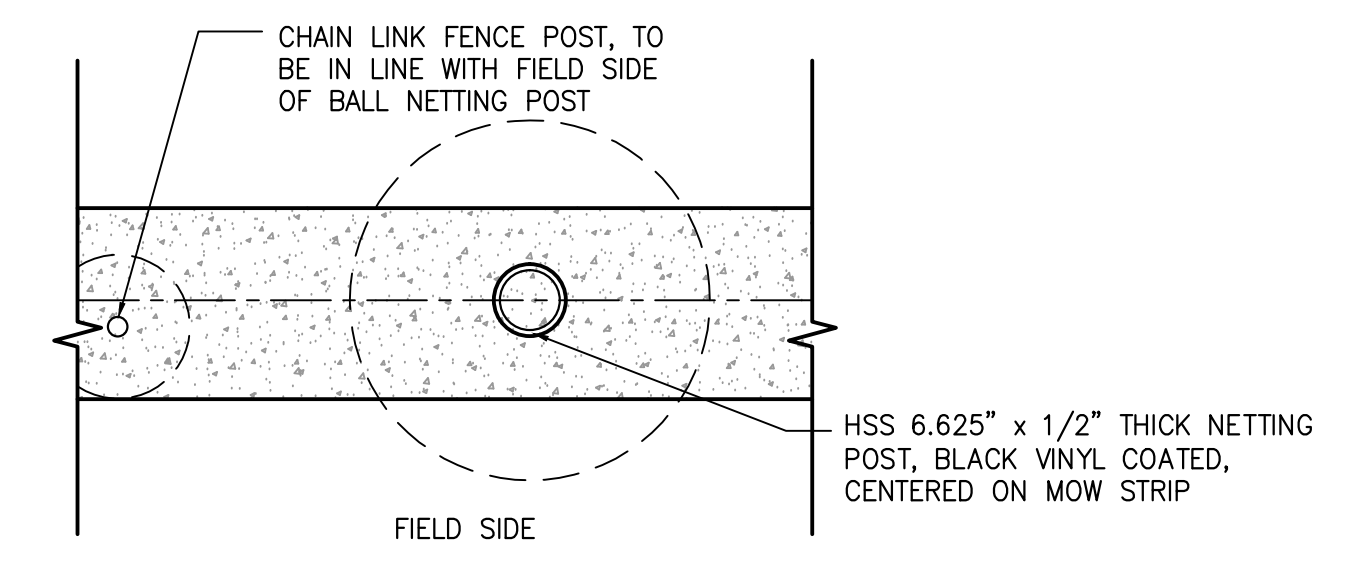
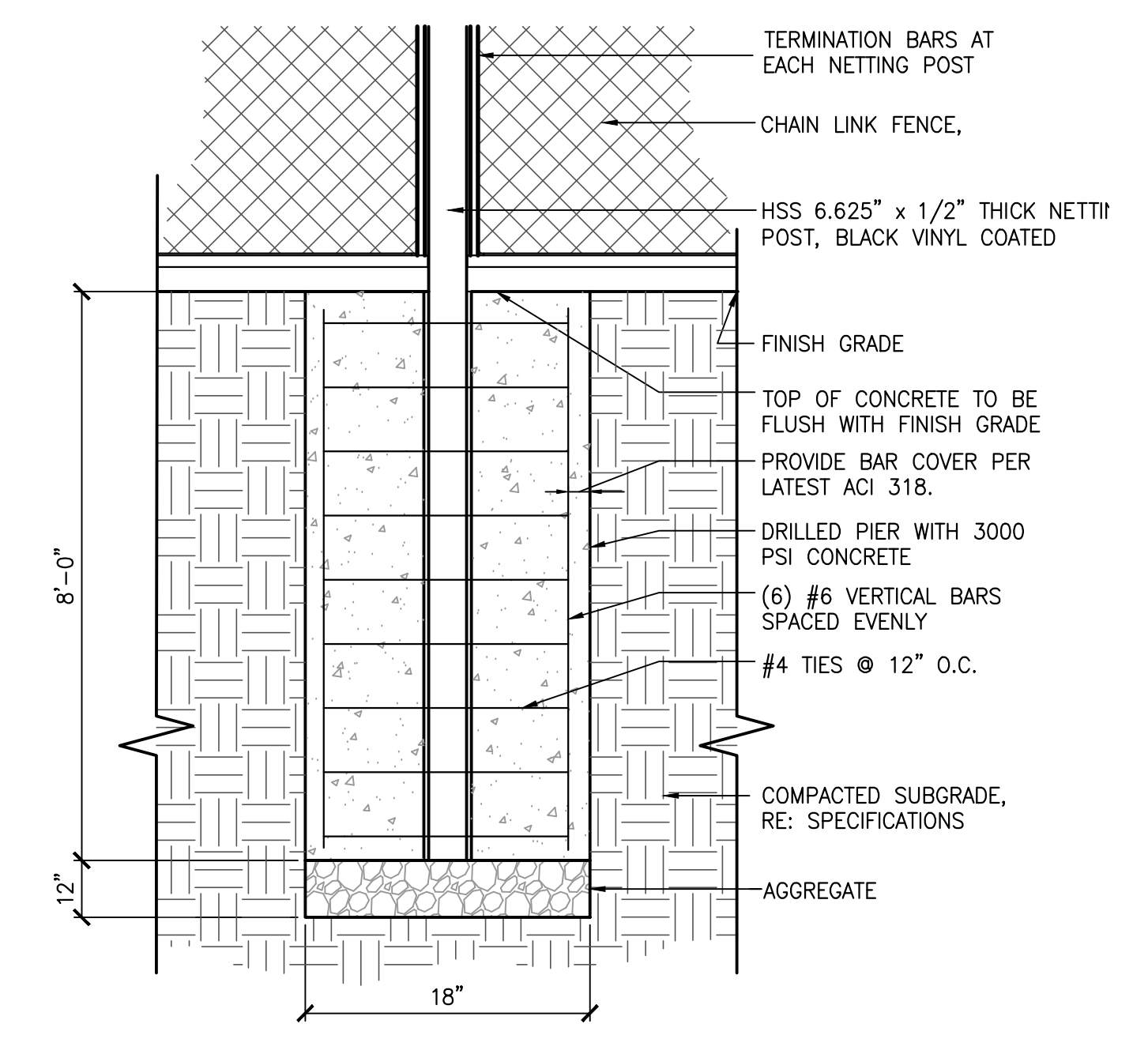


NOTES:
 1. SEE SPECIFICATIONS FOR POST AND RAIL SIZING.
 2. ALL POST FOOTINGS SHALL BE PER SPECIFICATIONS.
 3. SEE SPECIFICATIONS FOR FENCE FINISH REQUIREMENTS.
 4. HOLD DOWN TOP OF FOOTING BELOW WALK (TYP.).

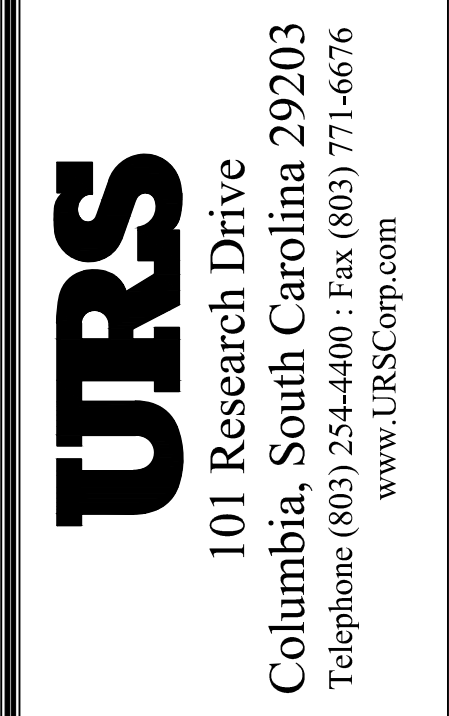
4 CHAIN LINK FENCE DETAIL
3/4"=1'-0"



5 BALL NETTING/FENCE SECTION
1"=1'-0"

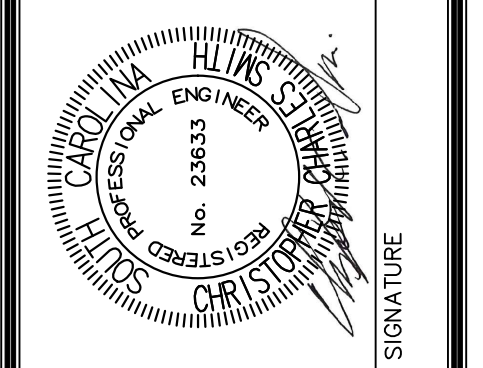
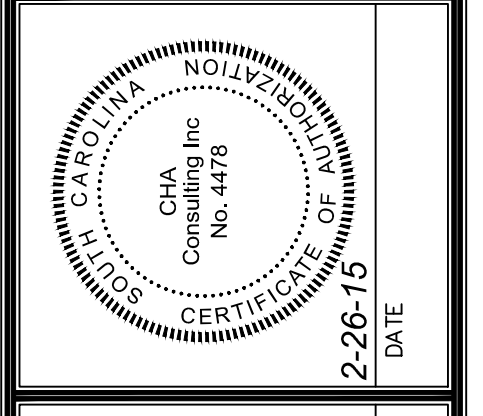


6 BALL NETTING FOUNDATION SECTION AND PLAN
3/4"=1'-0"



REVISIONS	
NO.	DESCRIPTION

PROJECT ENG:	BET
DESIGNED BY:	MDJ
DRAWN BY:	MDJ
CHECKED BY:	BET
APPROVED:	BET



DETAILS
 DATE: FEB 26, 2015 SCALE: AS SHOWN

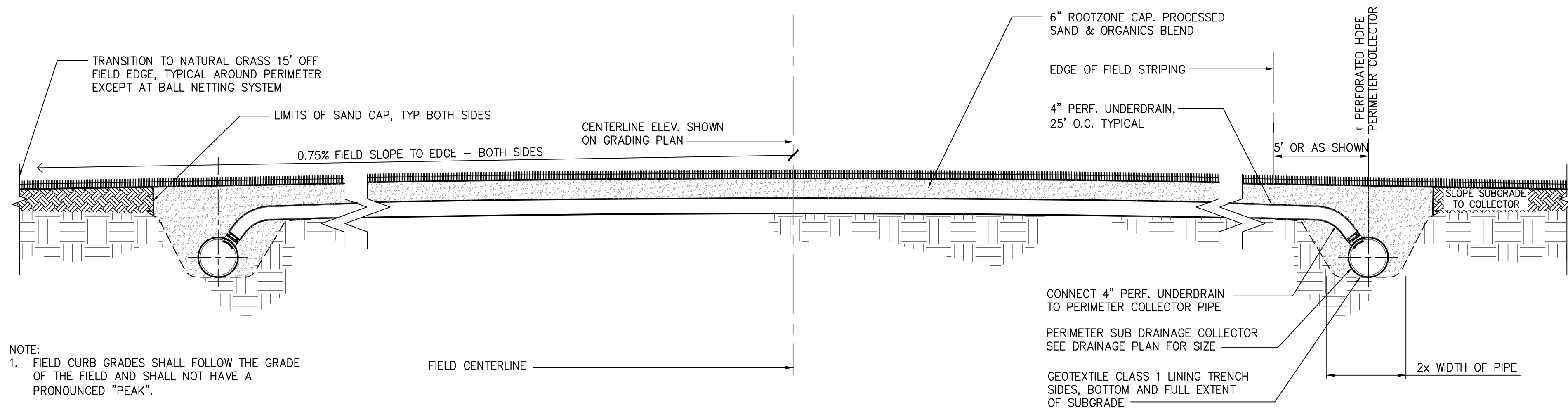
PROJECT: PRACTICE SOCCER FIELDS DRAINAGE IMPROVEMENTS PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA SOUTH CAROLINA CITY OF COLUMBIA

DWG NAME	SS-S7_DET	SHEET	6
N.B. NO.		OF	9
PROJECT NO.	46423692		

STATE PROJECT NO. H27-Z204
BID DOCUMENTS
 THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION

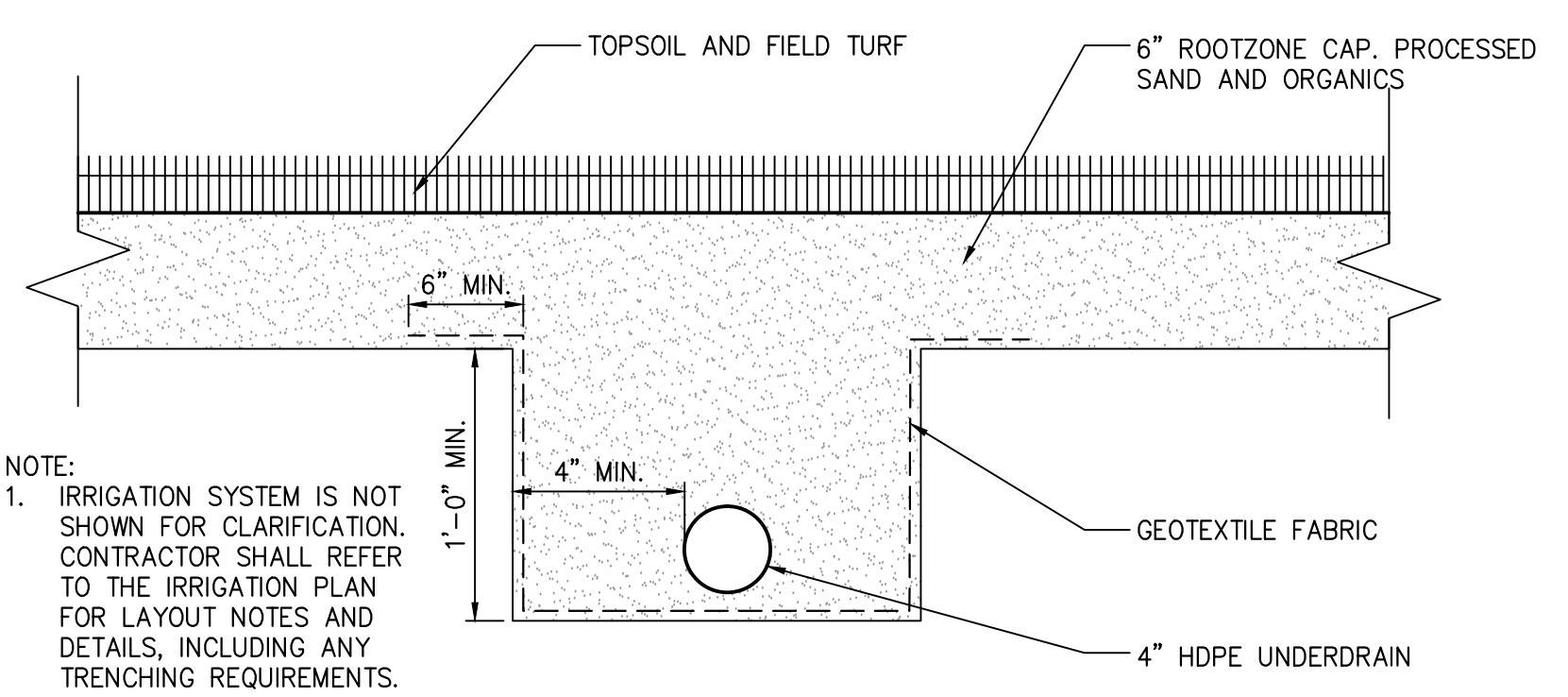
FILE NO. 36,374-B91

I:\PROJECTS\46423692_USG_PRACTICE_SOCCER_FIELD_DRAWING\DRAWINGS\SHEETS\S5-S7_DET.DWG 2/23/2015 12:42:53 PM
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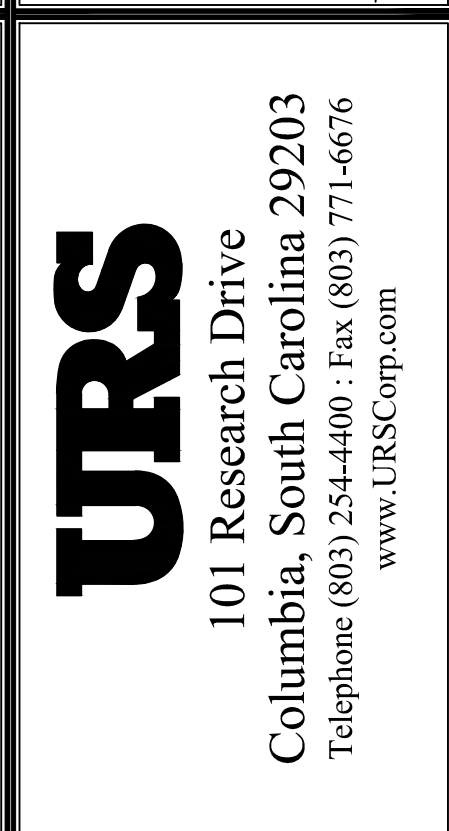
NOTE:
 1. FIELD CURB GRADES SHALL FOLLOW THE GRADE OF THE FIELD AND SHALL NOT HAVE A PRONOUNCED "PEAK".

1 SOCCER FIELD CROSS SECTION
 1/2"=1'-0"



NOTE:
 1. IRRIGATION SYSTEM IS NOT SHOWN FOR CLARIFICATION. CONTRACTOR SHALL REFER TO THE IRRIGATION PLAN FOR LAYOUT NOTES AND DETAILS, INCLUDING ANY TRENCHING REQUIREMENTS.

2 UNDERDRAIN DETAIL
 1/2"=1'-0"



SHEET TITLE: DETAILS
 DATE: FEB 26, 2015 SCALE: AS SHOWN

PROJECT: PRACTICE SOCCER FIELDS DRAINAGE IMPROVEMENTS
 PREPARED FOR: THE UNIVERSITY OF SOUTH CAROLINA
 CITY OF COLUMBIA SOUTH CAROLINA

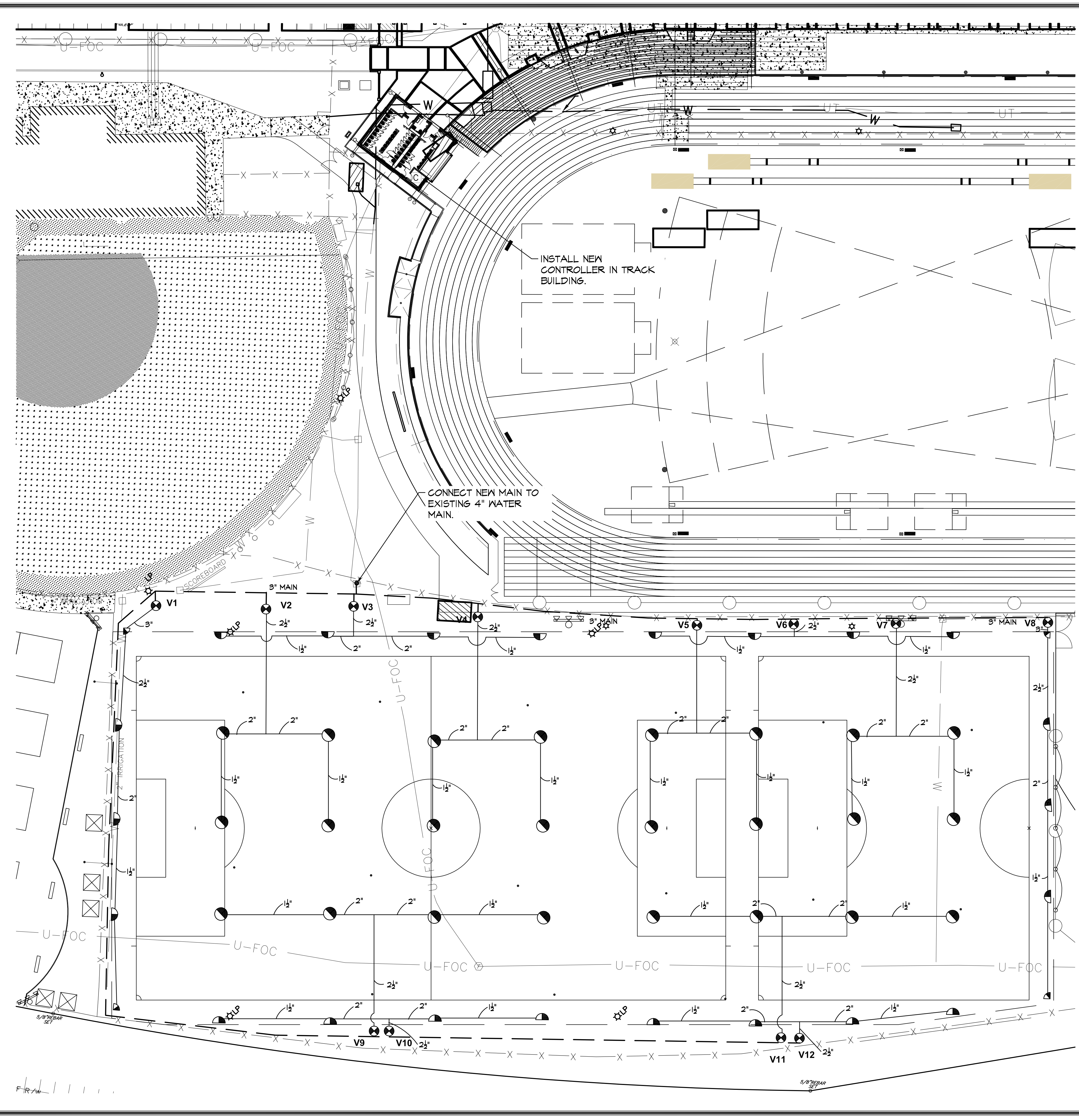
STATE PROJECT NO. H27-2204
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.DWG NAME S5-S7_DET	SHEET 7
N.B. NO.	OF
REF.	9
PROJECT NO. 46423692	FILE NO. 36,374-B91

APPROVALS		REVISIONS			
PROJECT ENG.	BET	NO.	DESCRIPTION	DATE	BY
DESIGNED BY:	MDJ				
DRAWN BY:	MDJ				
CHECKED BY:	BET				
APPROVED:	BET				

CHA Consulting, Inc. No. 4476
 PROFESSIONAL ENGINEER
 No. 28833
 DATE: 2-26-15

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 URS CORPORATION, 101 RESEARCH DRIVE, COLUMBIA, SOUTH CAROLINA 29203
 PROJECT: PRACTICE SOCCER FIELDS IMPROVEMENTS, 2/20/2015, 2:08:55 PM



IRRIGATION LEGEND

- POINT OF CONNECTION
- Ⓢ RAINBIRD ESP-LXME CONTROLLER
- ⊗ RAINBIRD P6A-100 SERIES ELECTRIC VALVE
- ⊙ RAINBIRD 8005 SERIES POP-UP ROTOR HEAD
- ⊙ NOZ. #16
- 3" MAINLINE
- CLASS 160 OR 200 PVC PIPING
SIZE AS NOTED

VALVE SCHEDULE

VALVE	SIZE	TYPE	GPM
V1	2"	8005	66.00
V2	2"	8005	66.00
V3	2"	8005	66.00
V4	2"	8005	66.00
V5	2"	8005	66.00
V6	2"	8005	66.00
V7	2"	8005	66.00
V8	2"	8005	66.00
V9	2"	8005	66.00
V10	2"	8005	66.00
V11	2"	8005	66.00
V12	2"	8005	66.00

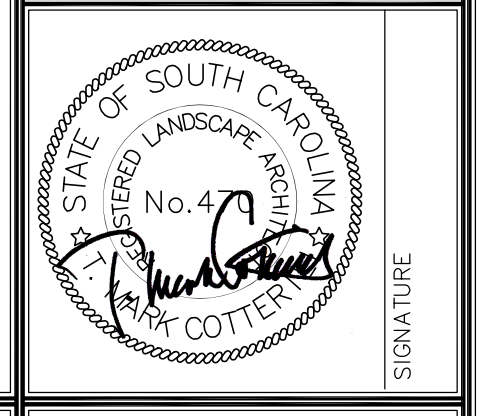
IRRIGATION NOTES

1. ALL IRRIGATION TO BE AS SPECIFIED OR APPROVED EQUAL.
2. SYSTEM DESIGNED TO RUN AT 66 GPM WITH 10 PSI.
3. CONTRACTOR TO COORDINATE WITH OWNER CONCERNING IRRIGATION POINT OF CONNECTION PRIOR TO COMMENCEMENT OF WORK SO AS NOT TO DELAY COMPLETION OF IRRIGATION.
4. CONTRACTOR SHALL PERFORM PRESSURE AND FLOW TESTS AT PROPOSED POINT OF CONNECTION PRIOR TO INSTALLATION TO VERIFY THAT ADEQUATE DESIGN CRITERIA IS PRESENT.
5. ADJUSTMENT OF SPRINKLER HEADS AND LATERAL LINES WILL BE NECESSARY IN THE FIELD.
6. SPRAY HEAD SYMBOLS AND IRRIGATION PIPING LAYOUT PROVIDED FOR GENERAL LOCATIONS IN THE FIELD ONLY. SYMBOLS DO NOT NECESSARILY PORTRAY AN ACCURATE QUANTITY. THE DESIGN INTENT IS TO PROVIDE 100% HEAD TO HEAD COVERAGE. IF THIS CANNOT BE ACHIEVED, NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY.

NO.	DESCRIPTION	DATE	BY

APPROVALS	PROJECT ENG. BY: BET	DESIGNED BY: MDJ	DRAWN BY: MDJ	CHECKED BY: BET	APPROVED BY: BET
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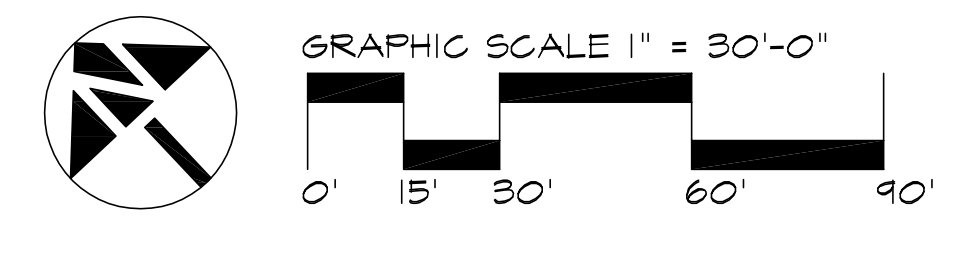
**GRIMBALL
COTTERILL**
LANDSCAPE ARCHITECTS & LAND PLANNERS

URS
101 Research Drive
Columbia, South Carolina 29203
Telephone (803) 254-4400 : Fax (803) 771-6676
www.URSCorp.com

SHEET TITLE
IRRIGATION PLAN
 DATE: **FEB 20, 2015** SCALE:

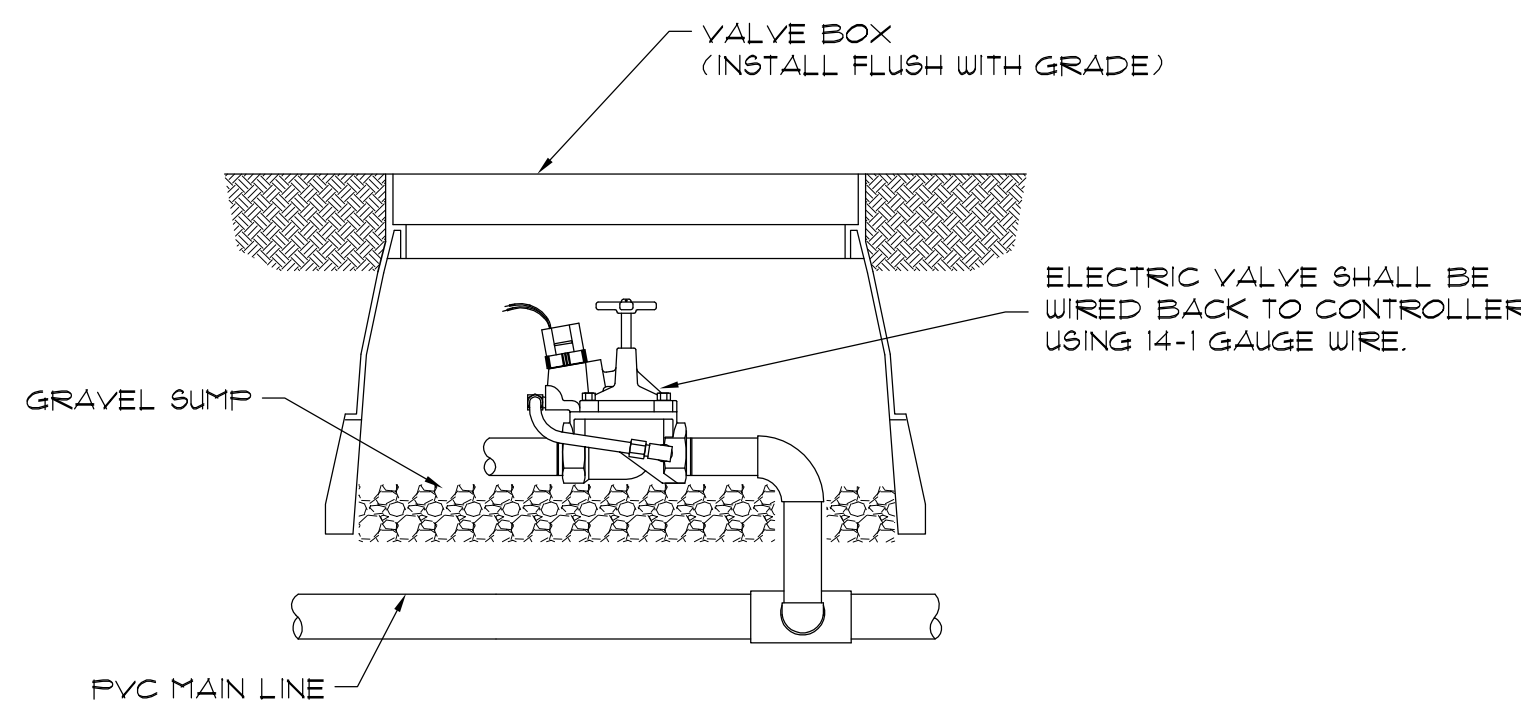
PROJECT
 PRACTICE SOCCER FIELDS
 DRAINAGE IMPROVEMENTS
 PREPARED FOR
 THE UNIVERSITY OF
 SOUTH CAROLINA
 CITY OF COLUMBIA SOUTH CAROLINA

STATE PROJECT NO.
H27-Z204
BID DOCUMENTS
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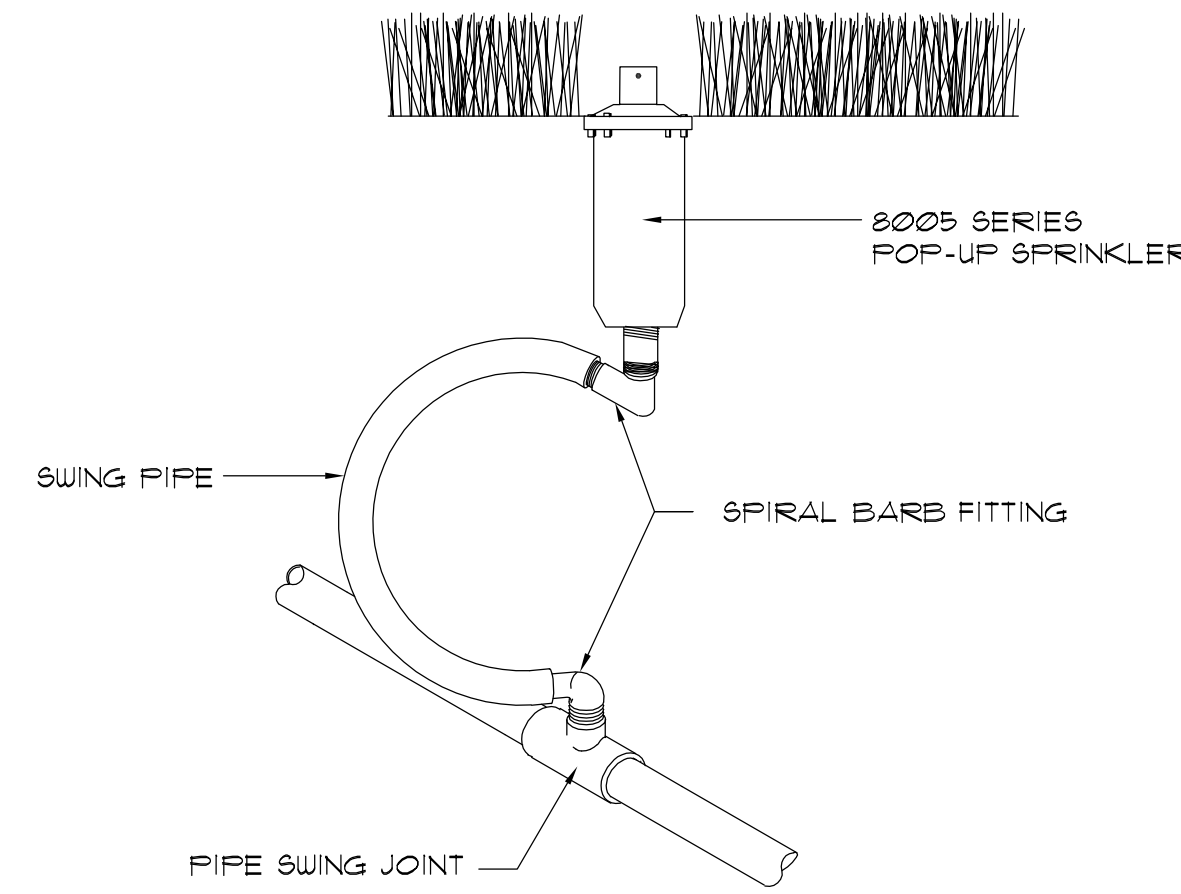


DWG NAME	SHEET
N.B. NO.	8
REF.	OF
PROJECT NO.	9
48423692	
FILE NO. 36,374-B91	

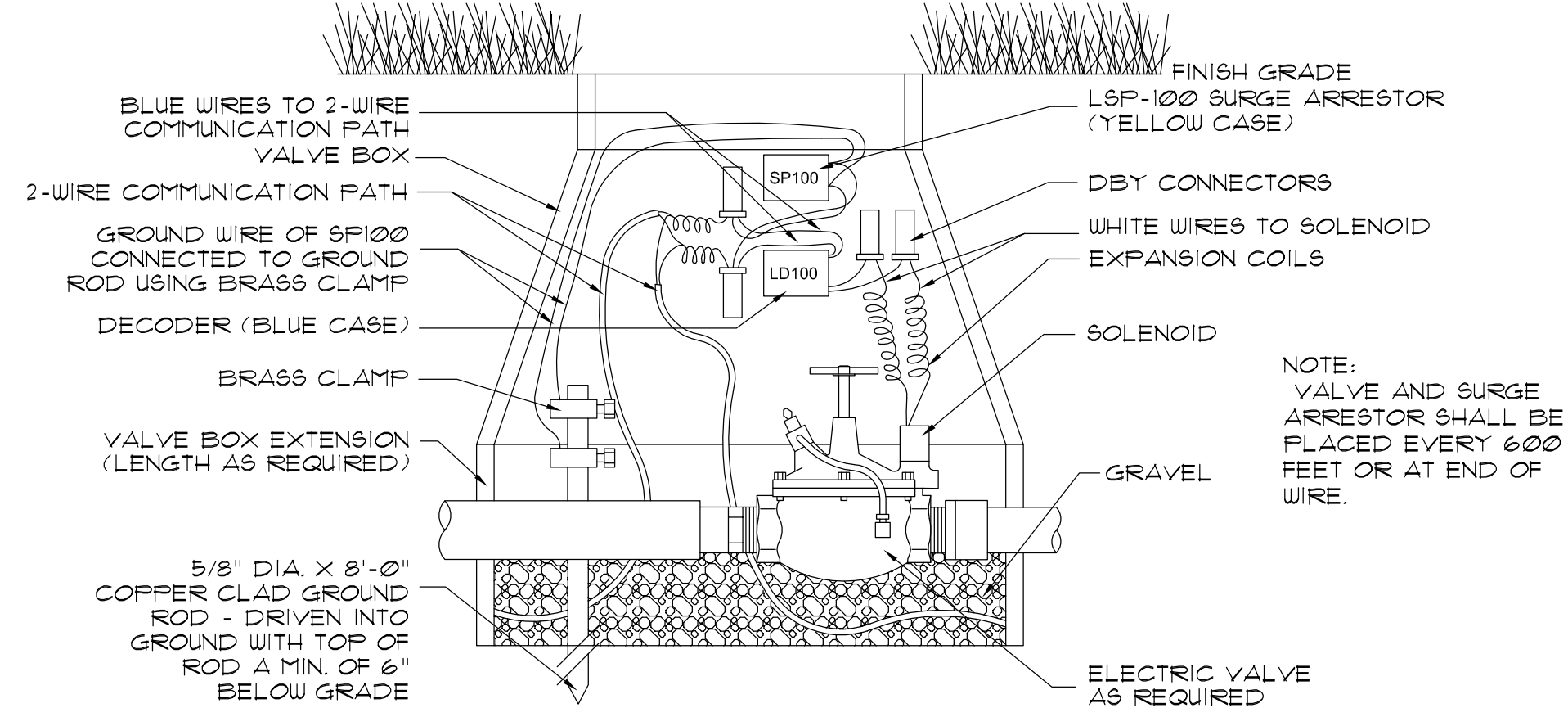
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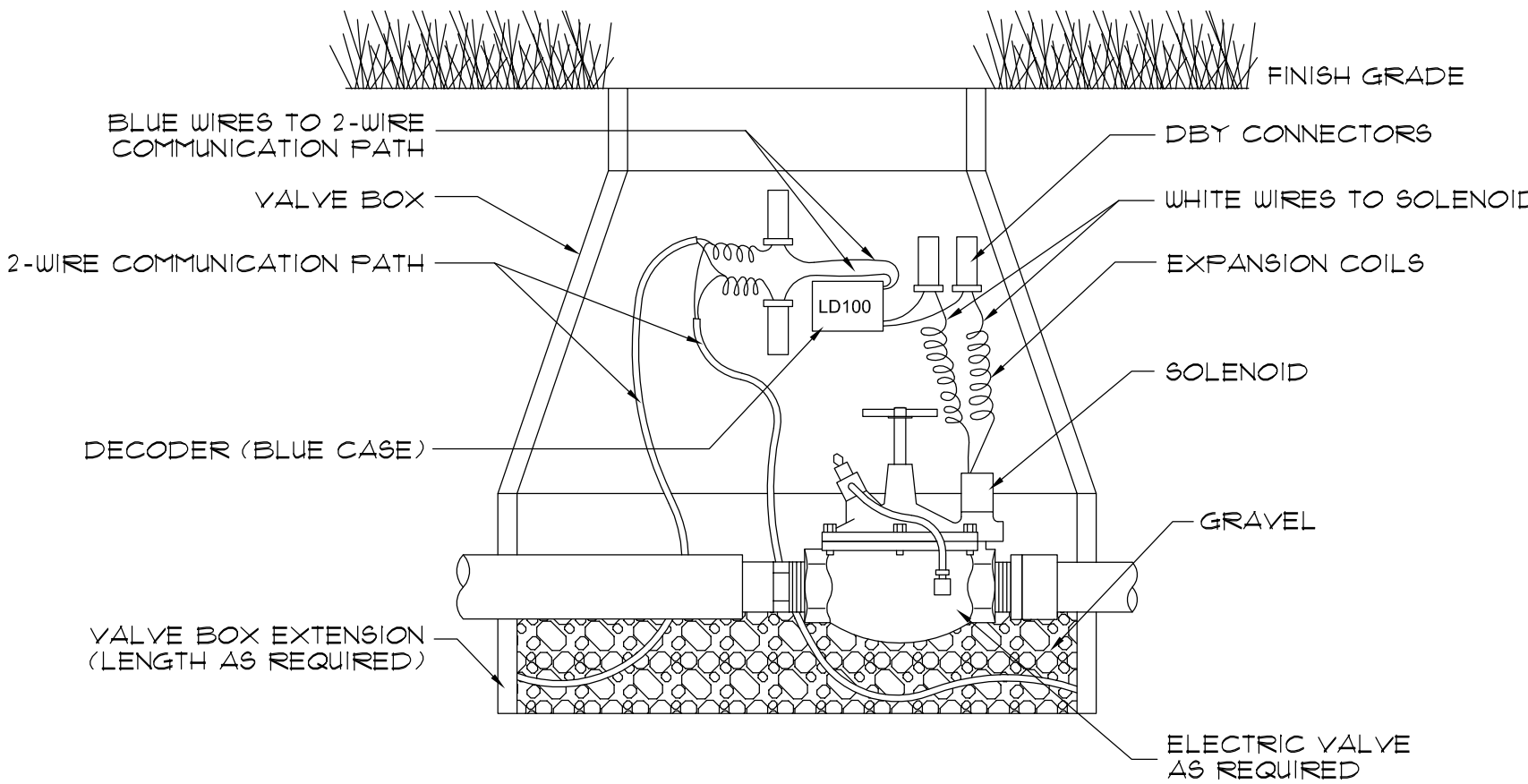
A
1-2 SECTION
ELECTRIC VALVE
NOT TO SCALE



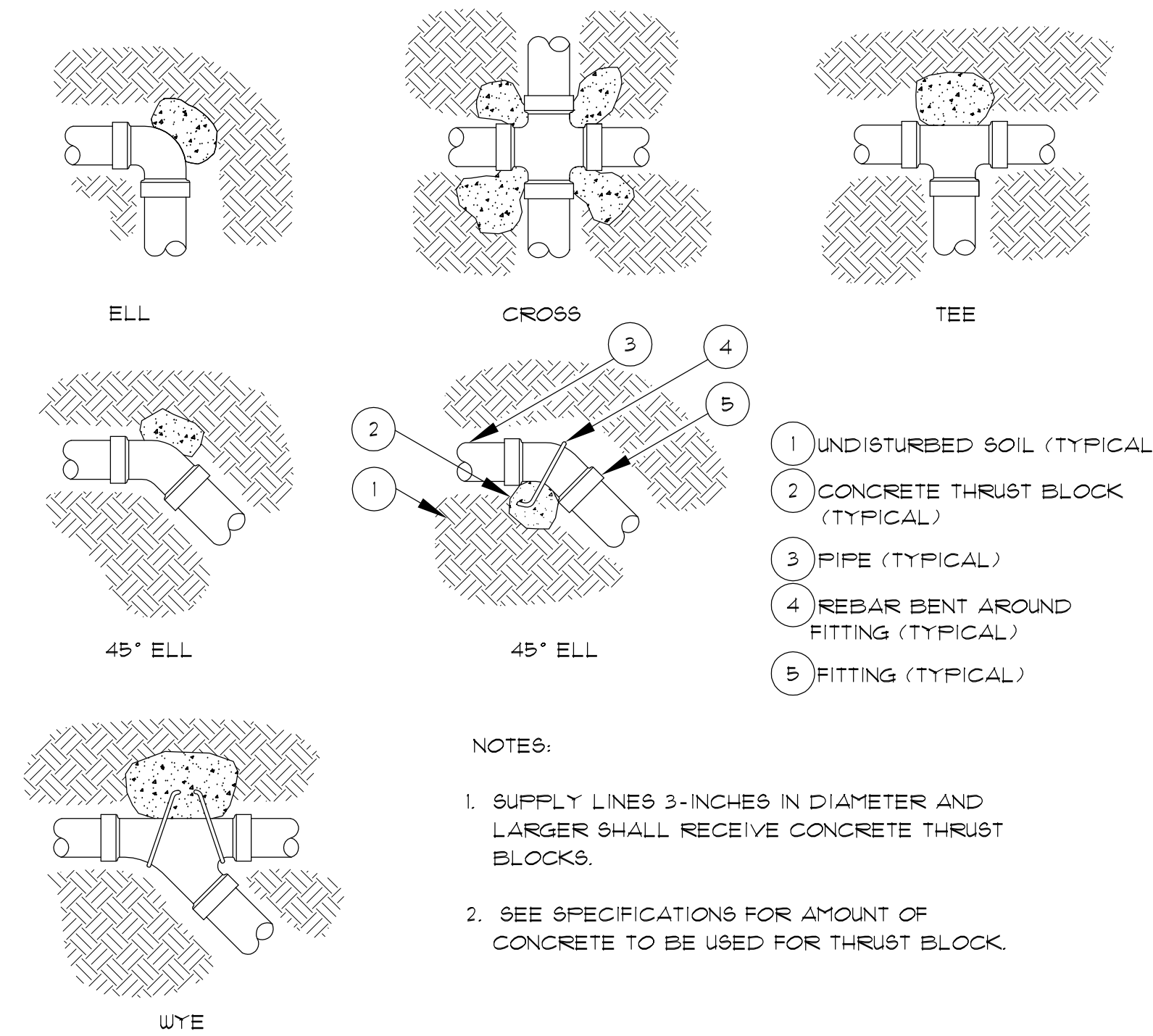
B
1-2 SECTION
POP-UP ROTOR SPRINKLER
NOT TO SCALE



H
1-2 SECTION
TWO-WIRE VALVE, DECODER & SURGE ARRESTOR
NOT TO SCALE



I
1-2 SECTION
TWO-WIRE VALVE AND DECODER
NOT TO SCALE



C
1-8 PLAN
THRUST BLOCK FOR IRRIGATION PIPE 3\"/>

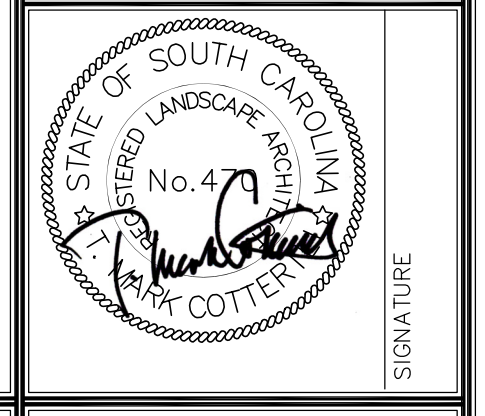
IRRIGATION NOTES

- ALL PLASTIC PIPE FITTINGS TO BE MINIMUM SCHEDULE 40 PVC.
- ALL MAIN LINES TO BE SCHEDULE 40 PVC OR SCHEDULE 200 PVC.
- ALL LATERAL LINES TO BE SCHEDULE 200 PVC OR SCHEDULE 160 PVC.
- COORDINATE WITH GENERAL CONTRACTOR FOR INSTALLATION OF SCHEDULE 40 PVC PIPE UNDER PAVED SURFACES AS NOTED ON THE DRAWINGS TO BE UTILIZED FOR IRRIGATION SLEEVING. THE LOCATION OF SLEEVING IS MARKED ON THE IRRIGATION PLAN. DEVIATIONS MAY OCCUR DURING CONSTRUCTION.
- TRENCHES FOR PVC PIPE MAINLINES SHALL BE EXCAVATED TO SUFFICIENT DEPTH OF 18\"/>

REVISIONS	
NO.	DESCRIPTION

APPROVALS	PROJECT ENG.	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
	BET	MDJ	MDJ	BET	BET

	DATE



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101 Research Drive
Columbia, South Carolina 29203
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IRRIGATION DETAILS

SHEET TITLE

DATE: **FEB 26, 2015** SCALE:

PROJECT: PRACTICE SOCCER FIELDS DRAINAGE IMPROVEMENTS
PREPARED FOR: THE UNIVERSITY OF SOUTH CAROLINA
CITY OF COLUMBIA SOUTH CAROLINA

STATE PROJECT NO.
H27-Z204

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FILE NO. 36,374-B91	