



CITY OF WESTON

DEPARTMENT OF PUBLIC WORKS AND UTILITIES

2599 SOUTH POST ROAD, WESTON, FL 33327

DESIGN CRITERIA PACKAGE (DCP) - PROJECT INDICATIVE PLANS (PIP)

VISTA PARK NORTH SOCCER FIELDS REPLACEMENT

18800 VISTA PARK BOULEVARD, WESTON, FL 33332

PROJECT LOCATION



CITY OF WESTON COMMISSION

MAYOR: MARGARET BROWN
COMMISSIONERS: CHRIS EDDY (SEAT 1)
HENRY MEAD (SEAT 2)
BYRON L. JAFFE (SEAT 3)
MARY MOLINA-MACFIE (SEAT 4)

CITY ADMINISTRATION

CITY MANAGER: DONALD P. DECKER
PUBLIC WORKS AND UTILITIES DIRECTOR: REDDY CHITEPU, P.E

DESIGN TICKET NO. 357202781



Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.

Check positive response codes before you dig!

PLANS PREPARED BY:



EAC Consulting, Inc.

5100 NW 33RD AVENUE, SUITE 243
FORT LAUDERDALE, FLORIDA 33309

VOLUME 1 OF 2

NOVEMBER 2023



CITY OF WESTON
 2599 SOUTH POST ROAD
 WESTON, FL 33327
 www.westonfl.org

CONSULTANT:

EAC
 EAC Consulting, Inc.
 5100 NW 33rd AVE, SUITE 243
 FORT LAUDERDALE, FL 33309
 PH: 954-714-2000 FAX: 954-733-8604

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GENERAL NOTES

1. ALL CONSTRUCTION ASSOCIATED WITH THIS PROJECT SHALL BE IN ACCORDANCE WITH APPLICABLE CODES OF AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO FEDERAL, STATE AND LOCAL STANDARDS, CODES AND ORDINANCES.
 - A. BROWARD COUNTY CODE OF ORDINANCES
 - B. CITY OF WESTON CODES, ORDINANCES AND STANDARDS.
 - C. NCAA: FIELD OF PLAY
2. THE DESIGN BUILDER SHALL BE RESPONSIBLE FOR GETTING FAMILIARIZED WITH THE PROJECT SITE TO DETERMINE TOPOGRAPHIC AND UNDERGROUND FEATURES THAT WILL BE IMPACTED BY CONSTRUCTION. THE DESIGN BUILDER'S BID PRICE SHALL INCLUDE THE COST OF RELOCATING, ADJUSTING AND OR REPLACING IN KIND ANY FEATURES IMPACTED INCLUDING BUT NOT LIMITED TO UTILITIES, TREES, UTILITY BOXES, SIGNAGE, POSTS, FENCES, GATES, HYDRANTS, POLES, VALVES, ETC. FINAL DISPOSITION OF IMPACTED FEATURES SHALL BE SUBJECT TO ACCEPTANCE OF THE CITY OR AGENCY OR AUTHORITY HAVING JURISDICTION.
3. UNDER NO CIRCUMSTANCES SHALL THE DESIGN BUILDER LEAVE EXCAVATED TRENCHES OPEN, UNCOVERED, EXPOSED AND UNATTENDED TO. THE CONSTRUCTION SITE MUST BE MAINTAINED IN A SAFE CONDITION AT ALL TIMES.
4. DESIGN BUILDER SHALL KEEP THE SITE FREE OF DEBRIS, TRASH AND CONSTRUCTION WASTES. DEBRIS STOCKPILED FOR HAULING SHALL BE STORED AND SHALL BE ADEQUATELY MARKED AT ALL TIMES FOR TRAFFIC AND PEDESTRIAN SAFETY.
5. THE ENTIRE PROJECT SITE SHALL BE THOROUGHLY CLEANED AT THE END OF EACH DAY AND AT COMPLETION OF THE WORK. DESIGN BUILDER SHALL CLEAN ALL INSTALLATIONS, SIDEWALKS, PAVED AREAS, AND ALL ADJACENT AREAS AFFECTED BY CONSTRUCTION, AS DIRECTED BY THE CITY AND/OR RESPONSIBLE JURISDICTIONAL AGENCY.
6. CONSTRUCTION HOURS AND NOISE CONTROL SHALL COMPLY WITH LOCAL JURISDICTIONAL ORDINANCES, CODES AND REQUIREMENTS
7. DESIGN BUILDER SHALL OBTAIN ALL NECESSARY PERMITS AND/OR APPROVALS PRIOR TO THE START OF CONSTRUCTION.
8. IN THE EVENT CONTAMINATED MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, THE DESIGN BUILDER SHALL STOP WORK AND IMMEDIATELY NOTIFY THE CITY AND APPLICABLE REGULATORY AND JURISDICTIONAL AGENCY OR AGENCIES.
9. SURVEY MONUMENTS WITHIN THE LIMITS OF THE PROJECT SHALL BE PROTECTED AND SHALL BE REPLACED BY THE DESIGN BUILDER AT NO ADDITIONAL COST IF DAMAGED DURING CONSTRUCTION.
10. DESIGN BUILDER SHALL BE RESPONSIBLE FOR COORDINATING WITH EXISTING UTILITY OWNERS AND COMPANIES FOR TEMPORARY AND/OR PERMANENT RELOCATION AND ADJUSTMENT TO FACILITATE CONSTRUCTION.
11. THE DESIGN BUILDER SHALL BE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION IS EXECUTED SAFELY AND IN STRICT COMPLIANCE WITH ALL REQUIREMENTS OF FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATORY ORDINANCES.
12. THE DESIGN BUILDER SHALL NOT ENCROACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL AND EQUIPMENT.
13. NO STAGING OR ACTIVITIES SHALL BE PERFORMED WITHIN THE DRIP LINE OF EXISTING TREES. SIMILARLY, NO STAGING OR ACTIVITIES SHALL OCCUR WITHIN AUTHORIZED PRIVATE PROPERTIES OR AREAS.
14. THE DESIGN BUILDER SHALL BE RESPONSIBLE FOR REQUIRED TESTING OR APPROVALS FOR ANY WORK (OR ANY PART THEREOF) IF LAWS OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION SPECIFICALLY REQUIRE TESTING, INSPECTIONS OR APPROVAL.
15. AS-BUILT DRAWING REQUIREMENTS
 - A. AS-BUILT DRAWINGS SHALL BE PROVIDED BY THE DESIGN BUILDER TO THE CITY THREE WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED AND DATED BY THE RESPONSIBLE PARTY. AS-BUILTS SHALL BE PROVIDED AS HARD COPY PRINTS (FULL SIZE, SIZE D) AND ELECTRONIC FILES IN AUTOCAD & PDF FORMATS.
 - B. AT THE COMPLETION OF THE WORK, THE DESIGN BUILDER SHALL DELIVER THE DRAWINGS DOCUMENTING AS-BUILT INFORMATION, MEASURED AND VERIFIED BY A LICENSED SURVEYOR, TO THE CITY, IN GOOD CONDITION AND FREE FROM ANY EXTRANEIOUS NOTATION.
16. THE DESIGN BUILDER SHALL DESIGN AND BUILD THE IRRIGATION SYSTEM FOR THE PROPOSED FIELDS. PLEASE REFER TO SECTION 328400 - IRRIGATION, FOR SPECIFICATIONS. ALL IRRIGATION VAULTS, ROTORS, VALVES, AND PIPES SHALL BE INSTALLED OUTSIDE OF THE PLAY FIELD CONCRETE BORDER. THERE SHALL BE NO COMPONENTS OF THE IRRIGATION SYSTEM BENEATH THE ARTIFICIAL TURF FIELD OR CONCRETE BORDER. THE DESIGN BUILDER SHALL NOT DISTURB ANY PORTION OF THE ARTIFICIAL TURF FIELD OR SUBGRADE BELOW IT DURING ANY PHASE OF CONSTRUCTION.

PROJECT:
**DESIGN CRITERIA PACKAGE
 FOR VISTA PARK
 NORTH SOCCER FIELDS
 REPLACEMENT**
VOLUME 1 OF 2

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: 11/7/2023
 DESIGNED BY: MA
 DRAWN BY: BW / JPC
 REVIEWED BY: ER

SEAL:

SHEET TITLE:
**INDEX OF SHEETS
 & GENERAL
 NOTES**

SHEET NO.
C-001

NOT FOR CONSTRUCTION WITHOUT APPROVED PERMITS.



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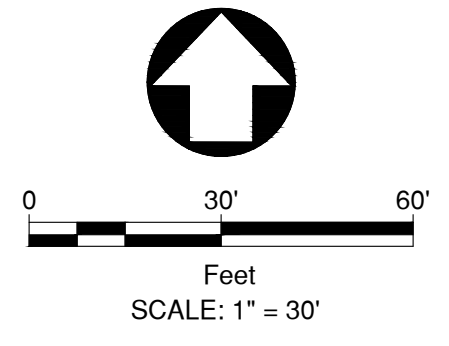
SEAL:

SHEET TITLE:

EXISTING
 CONDITIONS
 PLAN

SHEET NO.

C-002

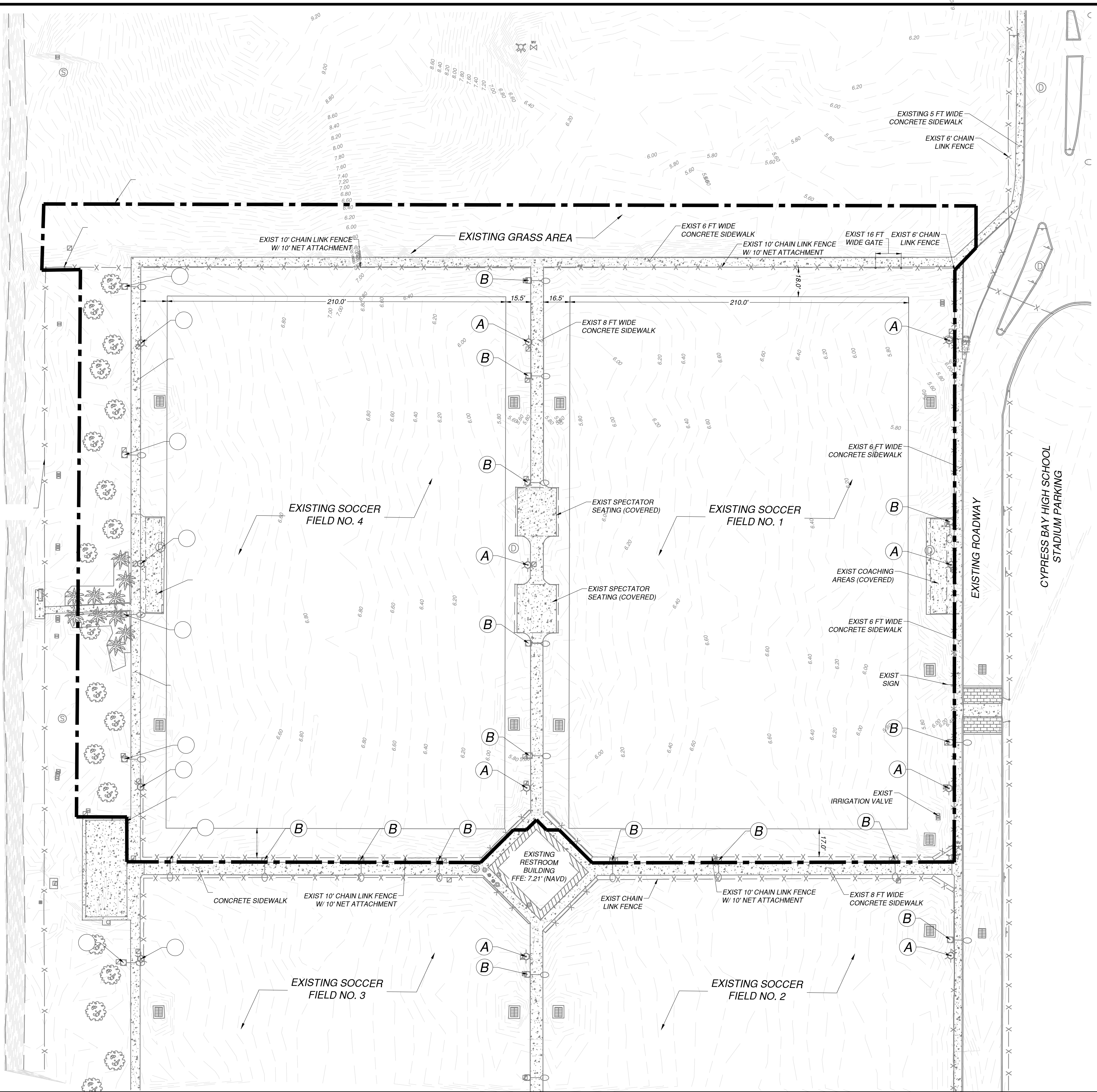


LEGEND

- EXIST CONCRETE SIDE WALK
- EXIST TOPOGRAPHY
- PROJECT BOUNDARY
- EXIST ELEVATION
- EXIST CATCH BASIN / DRAINAGE INLET
- EXIST DRAINAGE MANHOLE
- EXIST FIELD LIGHTING
- EXIST SIDEWALK LIGHTING

NOTES:

1. REFER TO TOPOGRAPHICAL SURVEY PREPARED BY CALVIN GIORDANO & ASSOCIATES, CERTIFIED BY STEVEN M. WATTS (FLORIDA REGISTRATION NO. 4588) ON JANUARY 10, 2023 FOR ADDITIONAL INFORMATION.
2. ELEVATIONS SHOWN ARE BASED ON NAVD 1988 DATUM.
3. FIELD VERIFY EXISTING SITE CONDITIONS PRIOR TO DESIGN AND CONSTRUCTION.
4. ALL EXISTING TREES TO REMAIN.
5. DESIGN BUILDER IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND INCLUDE IN THEIR BID PRICE TO ACCOUNT FOR ANY ANOMALIES, AS EXISTING SITE CONDITIONS MAY CHANGE.





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DESIGN CRITERIA PACKAGE FOR VISTA PARK NORTH SOCCER FIELDS REPLACEMENT
VOLUME 1 OF 2

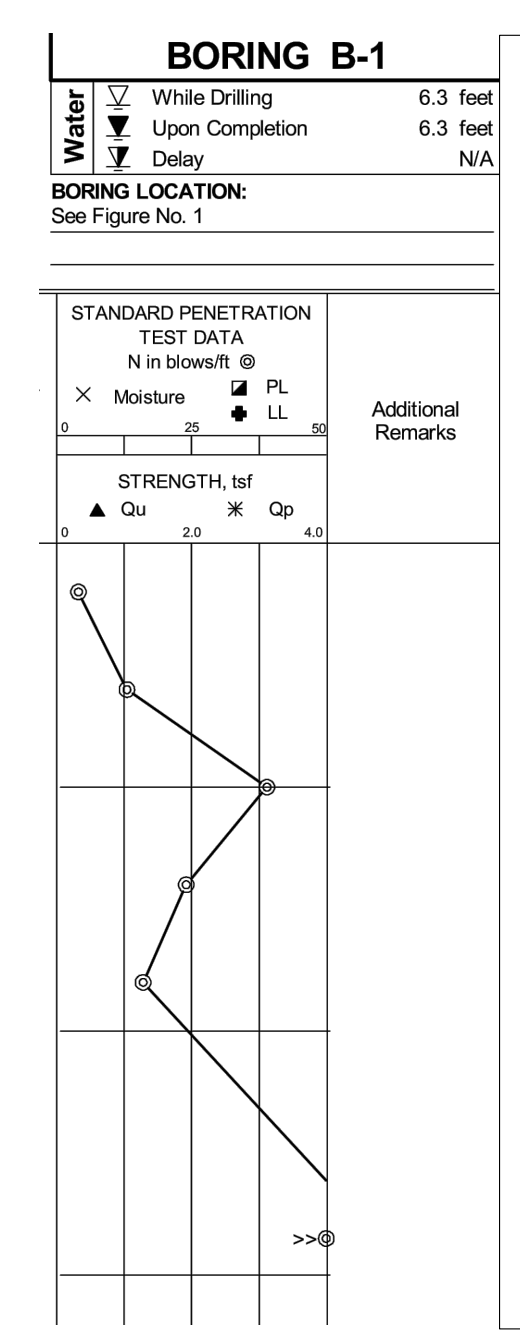
REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: 11/7/2023
 DESIGNED BY: MA
 DRAWN BY: BW / JPC
 REVIEWED BY: ER
 SEAL:

SHEET TITLE:
SOIL BORING LAYOUT AND PROFILE

SHEET NO.
C-004



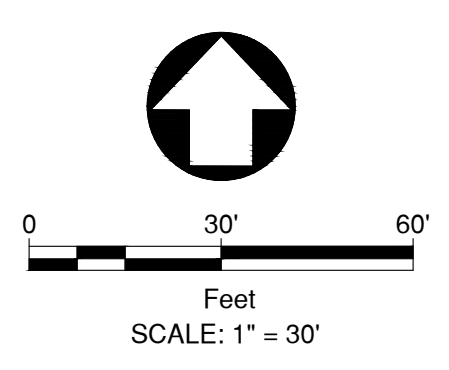
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 SEAL:

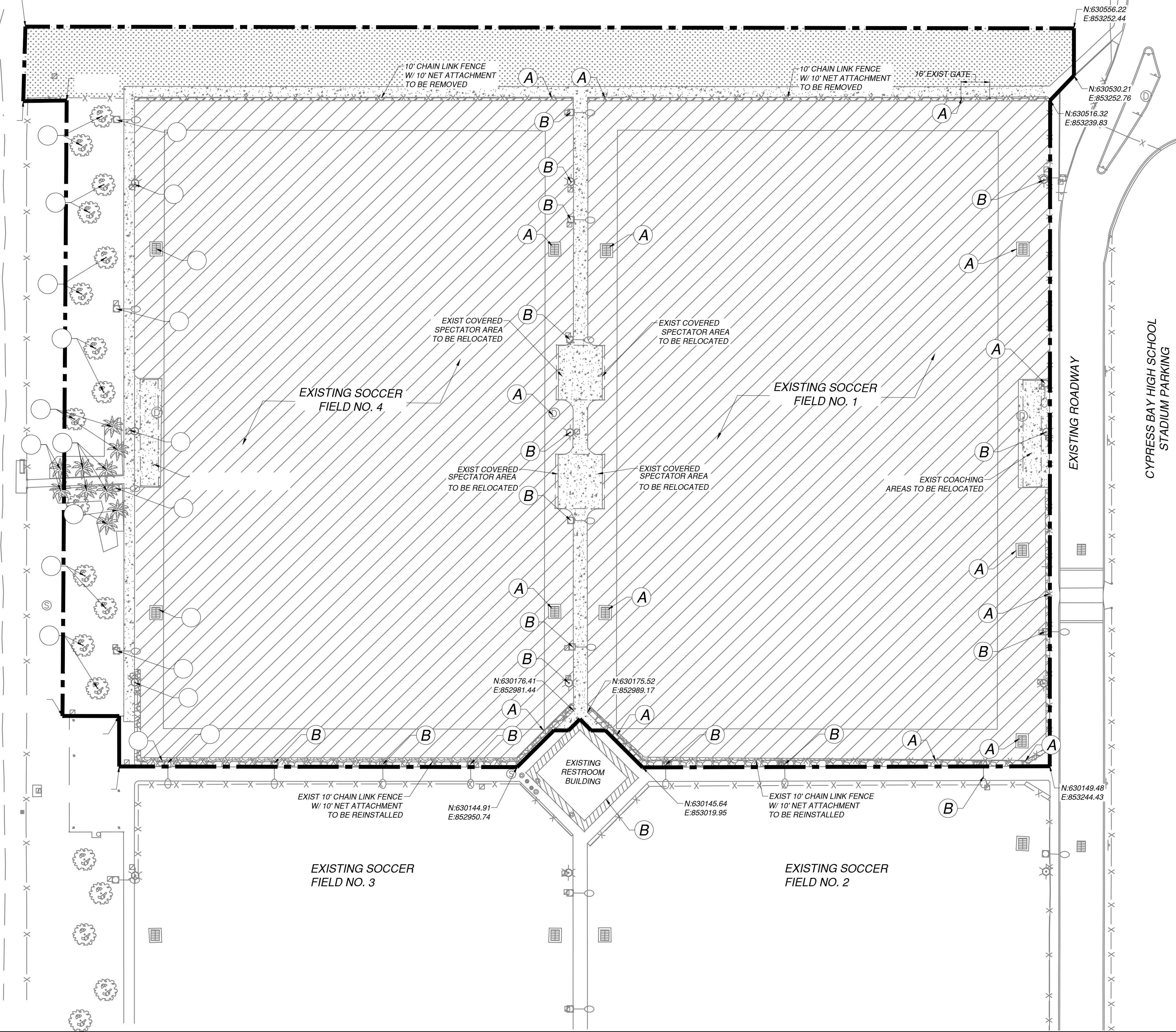
SHEET TITLE:
**CONCEPTUAL
 SURFACE
 DEMOLITION
 PLAN**

SHEET NO.
D-101



LEGEND

-  EXIST AGGREGATE TO BE REMOVED
-  CLEAR AND GRUB EXIST SOCCER FIELD AND SUBSURFACE STRATA
-  EXIST SOD TO BE REMOVED
-  EXIST CONCRETE TO BE REMOVED
-  FULL DEPTH CLEARING & GRUBBING, REMOVAL AND EXCAVATION OF EXISTING GROUND/FIELDS AS REQUIRED TO FACILITATE CONSTRUCTION OF PROPOSED IMPROVEMENTS.
- (A)** EXISTING SITE FEATURE TO BE REMOVED, RELOCATED, SALVAGED, ADJUSTED OR ABANDONED. FINAL ACTION TO BE DETERMINED BY DESIGN BUILDER. NO ADDITIONAL COMPENSATION IS PROVIDED FOR THIS REQUIREMENT.
- (B)** EXISTING SITE FEATURE TO REMAIN AND BE PROTECTED FROM DAMAGE OR IMPACT FROM CONSTRUCTION OF PROPOSED IMPROVEMENTS. DESIGN BUILDER IS REQUIRED TO DEMONSTRATE THAT POST CONSTRUCTION CONDITIONS ARE SAME AS PRE CONSTRUCTION CONDITIONS TO THE ACCEPTANCE OF THE CITY OF WESTON OR ASSIGNED DESIGNER. NO ADDITIONAL COMPENSATION IS PROVIDED FOR THIS REQUIREMENT.
- (C)** FINAL TREE DISPOSITION REMOVAL TO BE DETERMINED BY CONTRACTOR.



EXISTING ROADWAY
 CYPRESS BAY HIGH SCHOOL
 STADIUM PARKING



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 NORTH SOCCER FIELDS
 REPLACEMENT**
 VOLUME 1 OF 2

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REVISIONS:

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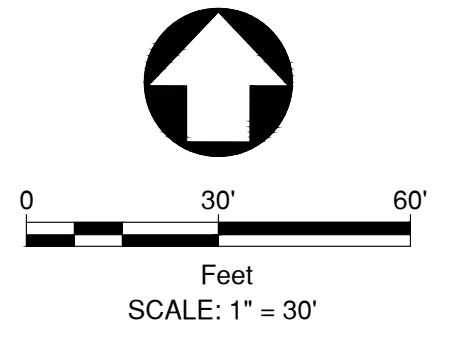
DATE ISSUED: 11/7/2023
 DESIGNED BY: MA
 DRAWN BY: BW / JPC
 REVIEWED BY: ER

SEAL:

SHEET TITLE:
**CONCEPTUAL
 UTILITY DEMOLITION
 PLAN**

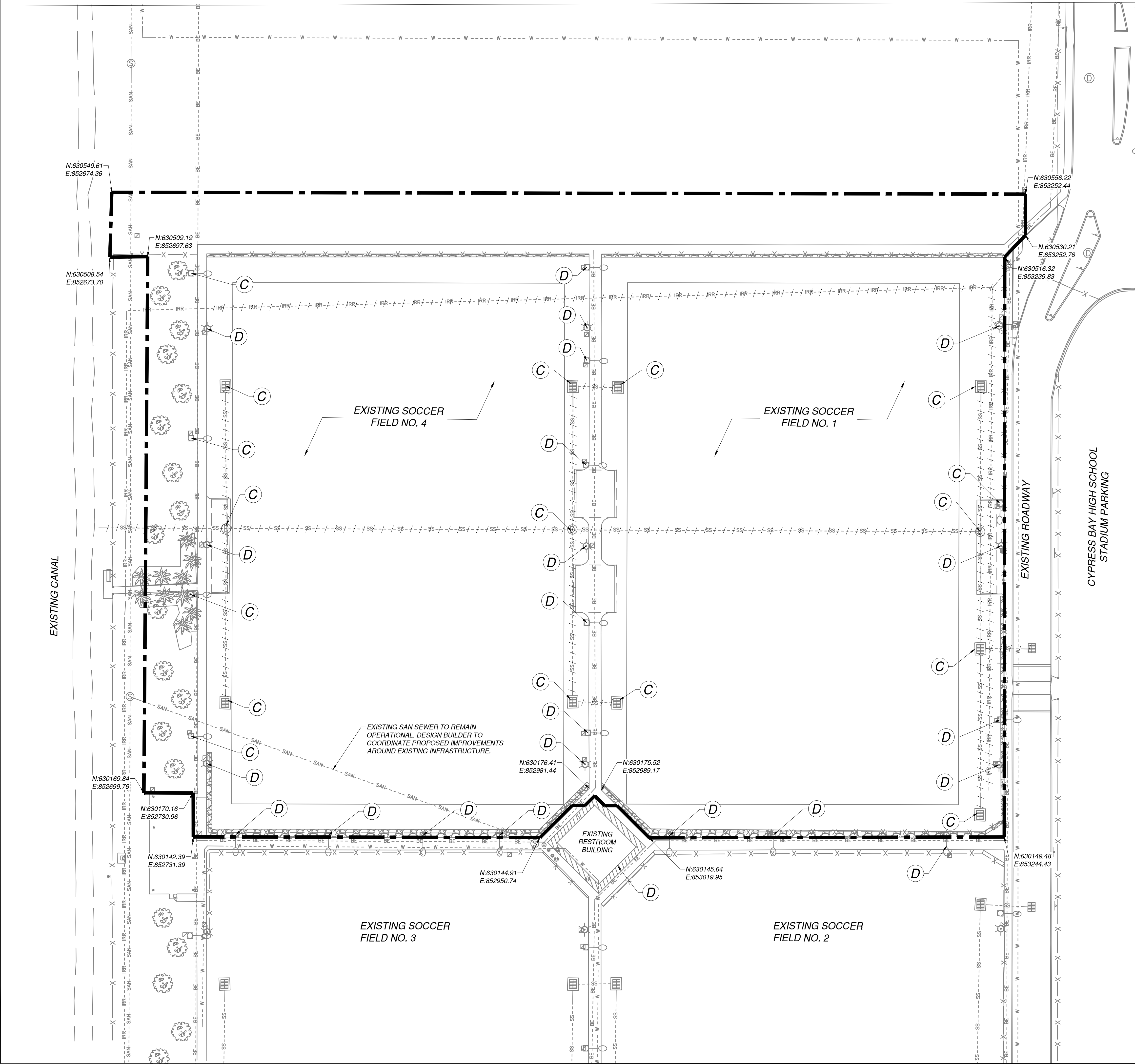
SHEET NO.

D-102



LEGEND

- FULL DEPTH CLEARING & GRUBBING, REMOVAL AND EXCAVATION OF EXISTING GROUND/FIELDS AS REQUIRED TO FACILITATE CONSTRUCTION OF PROPOSED IMPROVEMENTS.
- EXISTING SITE FEATURE TO BE REMOVED, RELOCATED, SALVAGED, ADJUSTED OR ABANDONED. FINAL ACTION TO BE DETERMINED BY DESIGN BUILDER. NO ADDITIONAL COMPENSATION IS PROVIDED FOR THIS REQUIREMENT.
- EXISTING SITE FEATURE TO REMAIN AND BE PROTECTED FROM DAMAGE OR IMPACT FROM CONSTRUCTION OF PROPOSED IMPROVEMENTS. DESIGN BUILDER IS REQUIRED TO DEMONSTRATE THAT POST CONSTRUCTION CONDITIONS ARE SAME AS PRE CONSTRUCTION CONDITIONS TO THE ACCEPTANCE OF THE CITY OF WESTON OR ASSIGNED DESIGNEE. NO ADDITIONAL COMPENSATION IS PROVIDED FOR THIS REQUIREMENT.
- UTILITY DEMOLITION, ABANDONMENT, REMOVAL OR RELOCATION





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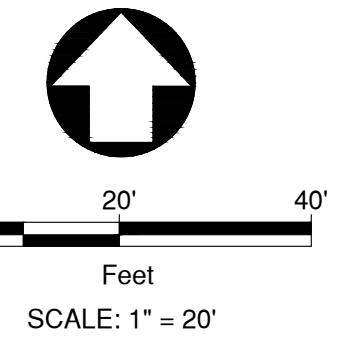
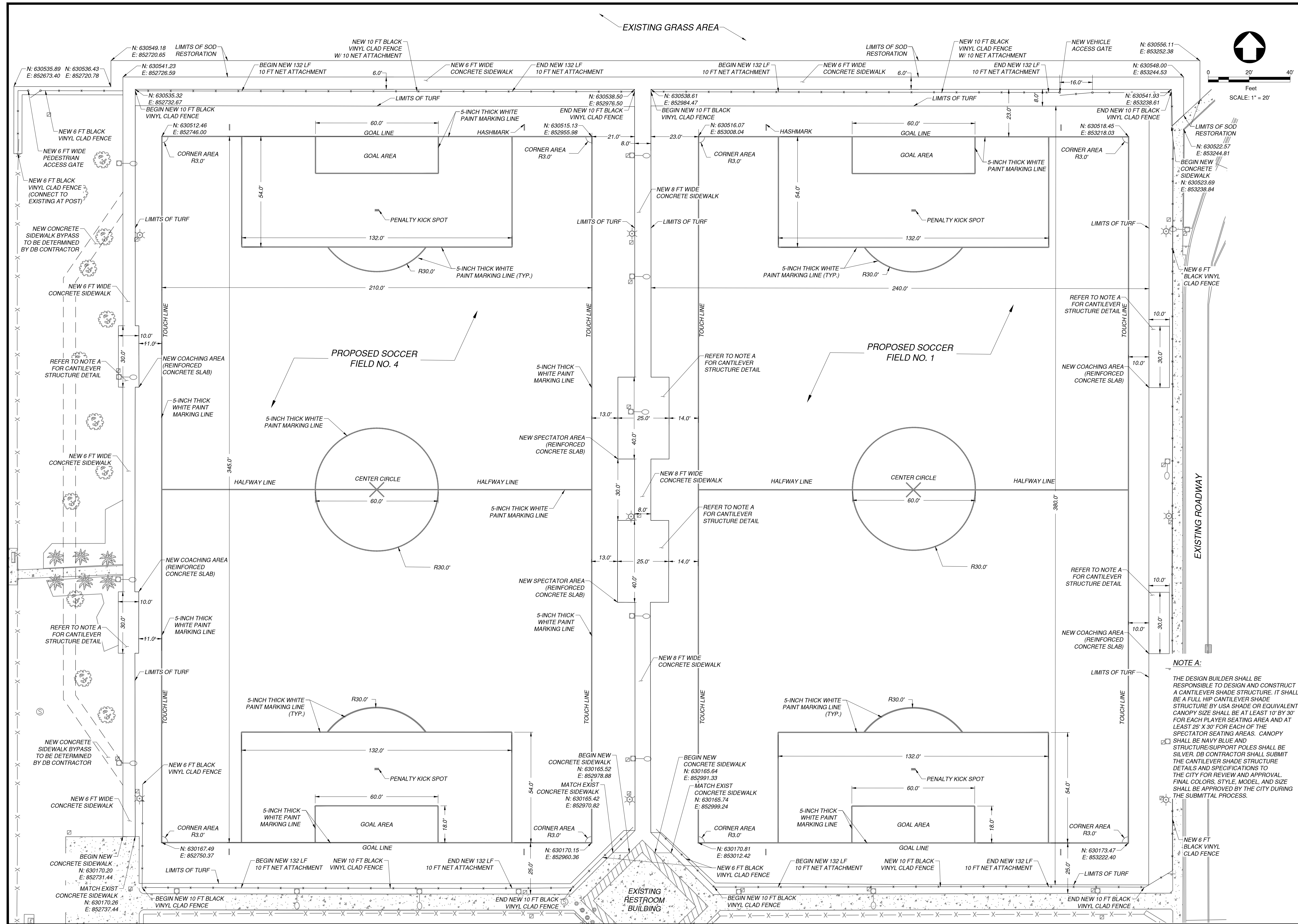
NO.	DESCRIPTION	DATE	BY

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SEAL:
THE DESIGN BUILDER SHALL BE RESPONSIBLE TO DESIGN AND CONSTRUCT A CANTILEVER SHADE STRUCTURE. IT SHALL BE A FULL HIP CANTILEVER SHADE STRUCTURE BY USA SHADE OR EQUIVALENT. CANOPY SIZE SHALL BE AT LEAST 10' BY 30' FOR EACH PLAYER SEATING AREA AND AT LEAST 25' X 30' FOR EACH OF THE SPECTATOR SEATING AREAS. CANOPY SHALL BE NAVY BLUE AND STRUCTURE/SUPPORT POLES SHALL BE SILVER. DB CONTRACTOR SHALL SUBMIT THE CANTILEVER SHADE STRUCTURE DETAILS AND SPECIFICATIONS TO THE CITY FOR REVIEW AND APPROVAL. FINAL COLORS, STYLE, MODEL, AND SIZE SHALL BE APPROVED BY THE CITY DURING THE SUBMITTAL PROCESS.

SHEET TITLE:
CONCEPTUAL FIELD LAYOUT PLAN

SHEET NO.
C-100



NOTE A:

THE DESIGN BUILDER SHALL BE RESPONSIBLE TO DESIGN AND CONSTRUCT A CANTILEVER SHADE STRUCTURE. IT SHALL BE A FULL HIP CANTILEVER SHADE STRUCTURE BY USA SHADE OR EQUIVALENT. CANOPY SIZE SHALL BE AT LEAST 10' BY 30' FOR EACH PLAYER SEATING AREA AND AT LEAST 25' X 30' FOR EACH OF THE SPECTATOR SEATING AREAS. CANOPY SHALL BE NAVY BLUE AND STRUCTURE/SUPPORT POLES SHALL BE SILVER. DB CONTRACTOR SHALL SUBMIT THE CANTILEVER SHADE STRUCTURE DETAILS AND SPECIFICATIONS TO THE CITY FOR REVIEW AND APPROVAL. FINAL COLORS, STYLE, MODEL, AND SIZE SHALL BE APPROVED BY THE CITY DURING THE SUBMITTAL PROCESS.

REVISIONS:

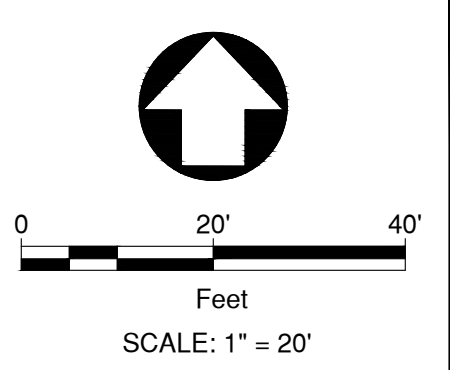
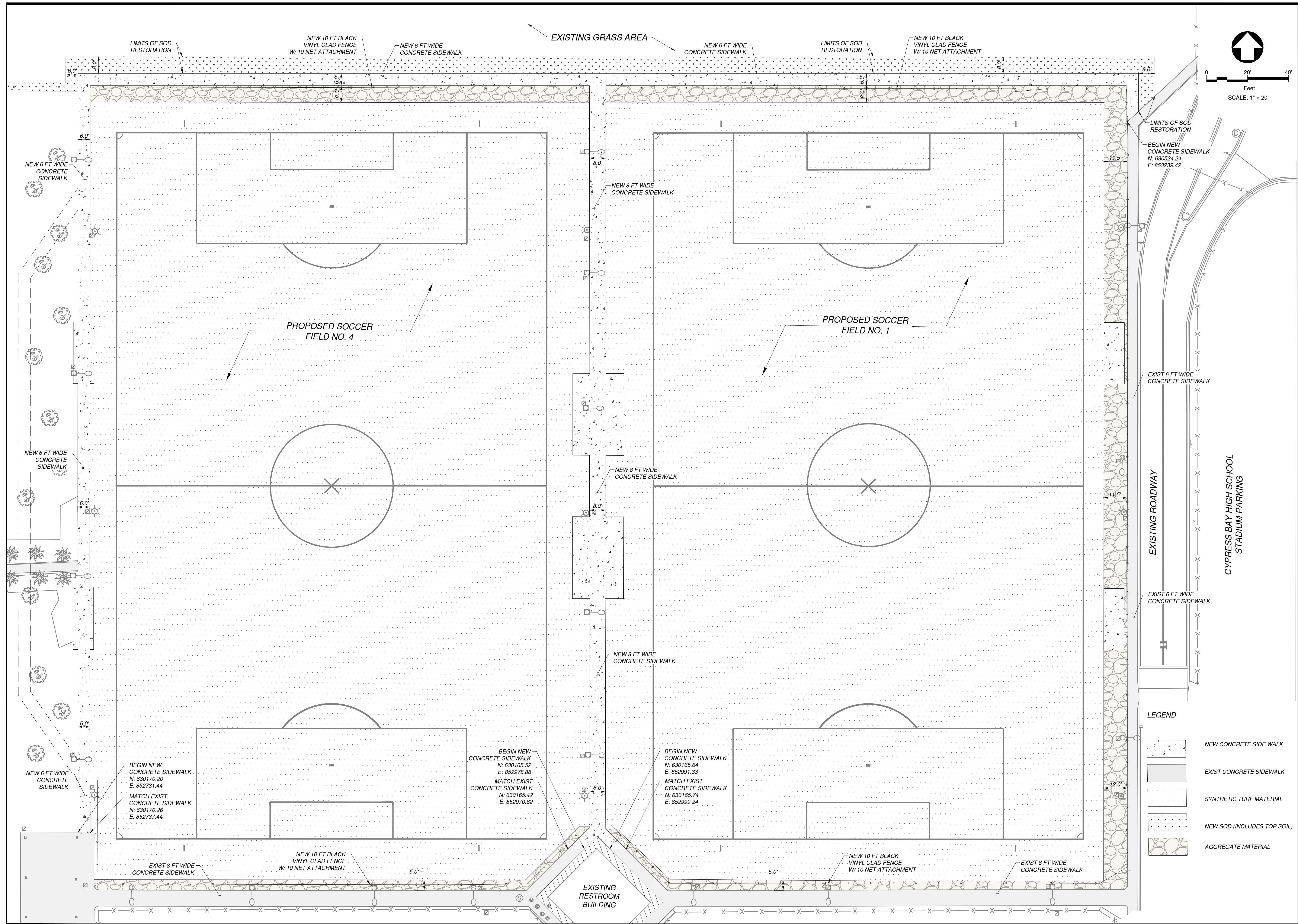
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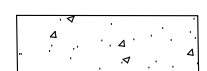

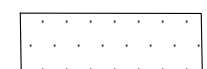


SEAL:

SHEET TITLE:
CONCEPTUAL FIELD GROUND COVER PLAN

SHEET NO.
C-200



LEGEND

	NEW CONCRETE SIDE WALK
	EXIST CONCRETE SIDEWALK
	SYNTHETIC TURF MATERIAL
	NEW SOD (INCLUDES TOP SOIL)
	AGGREGATE MATERIAL



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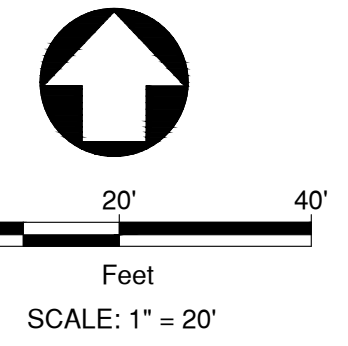
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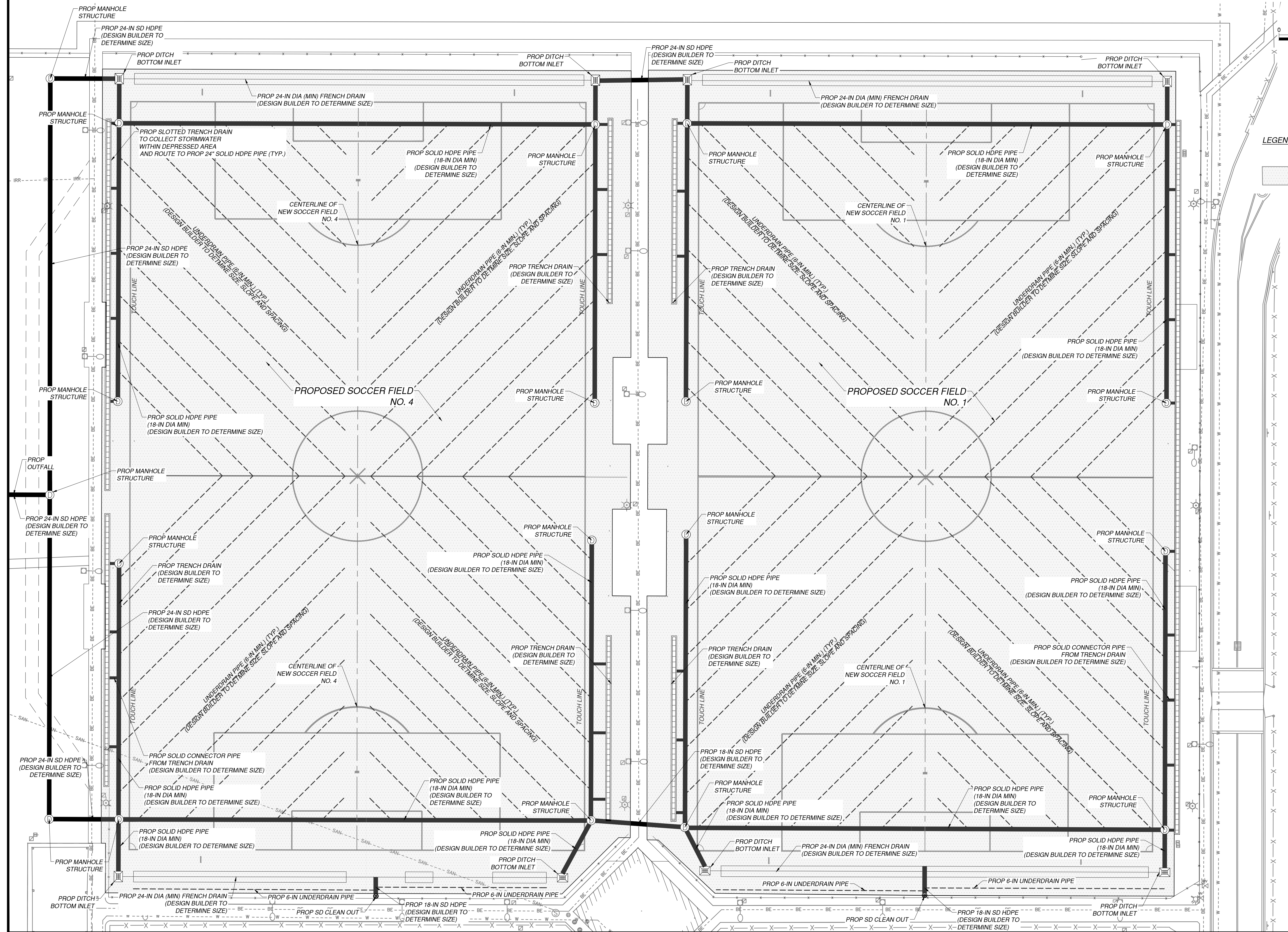
SITE
DRAINAGE
CONCEPTUAL
PLAN

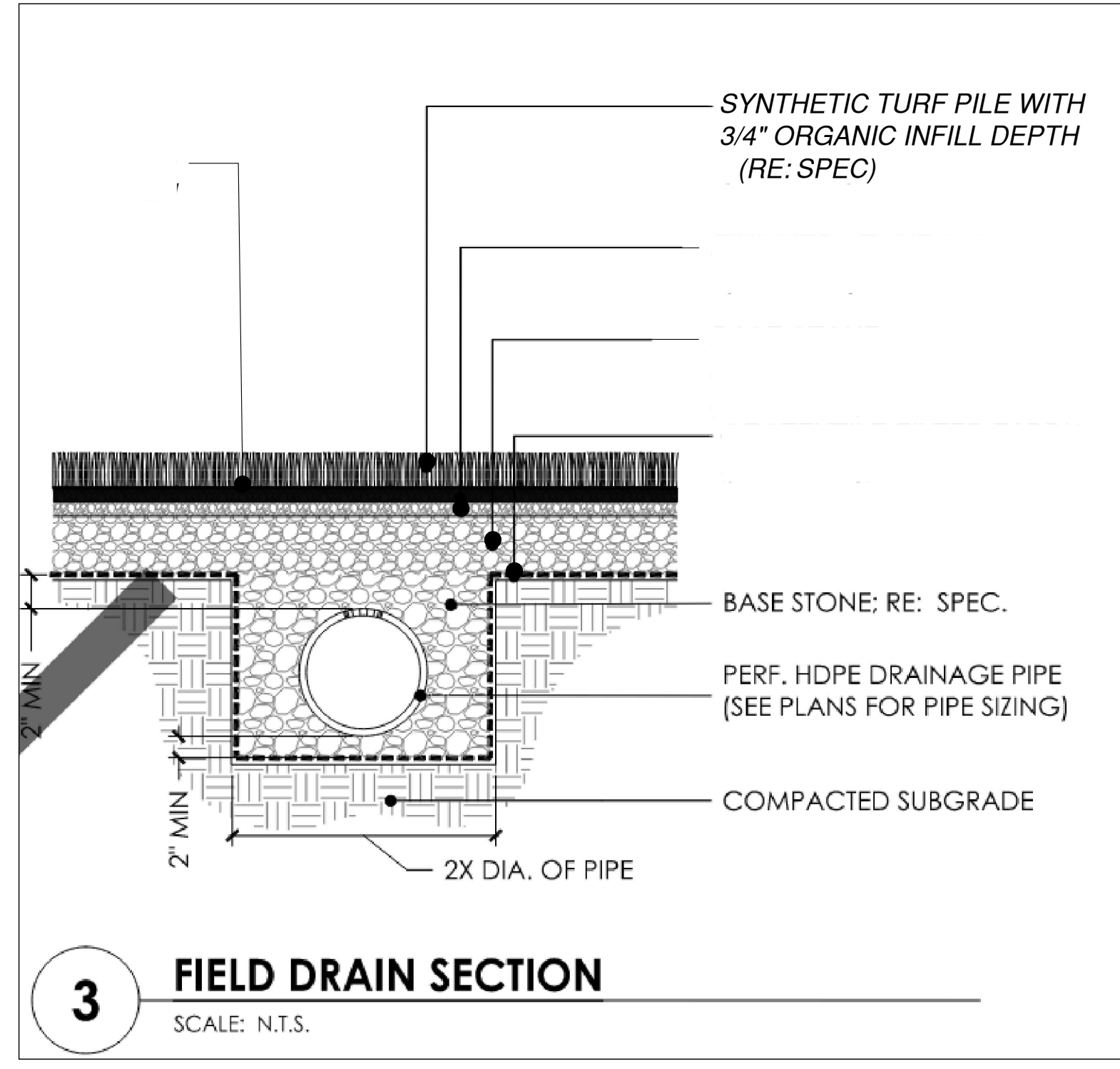
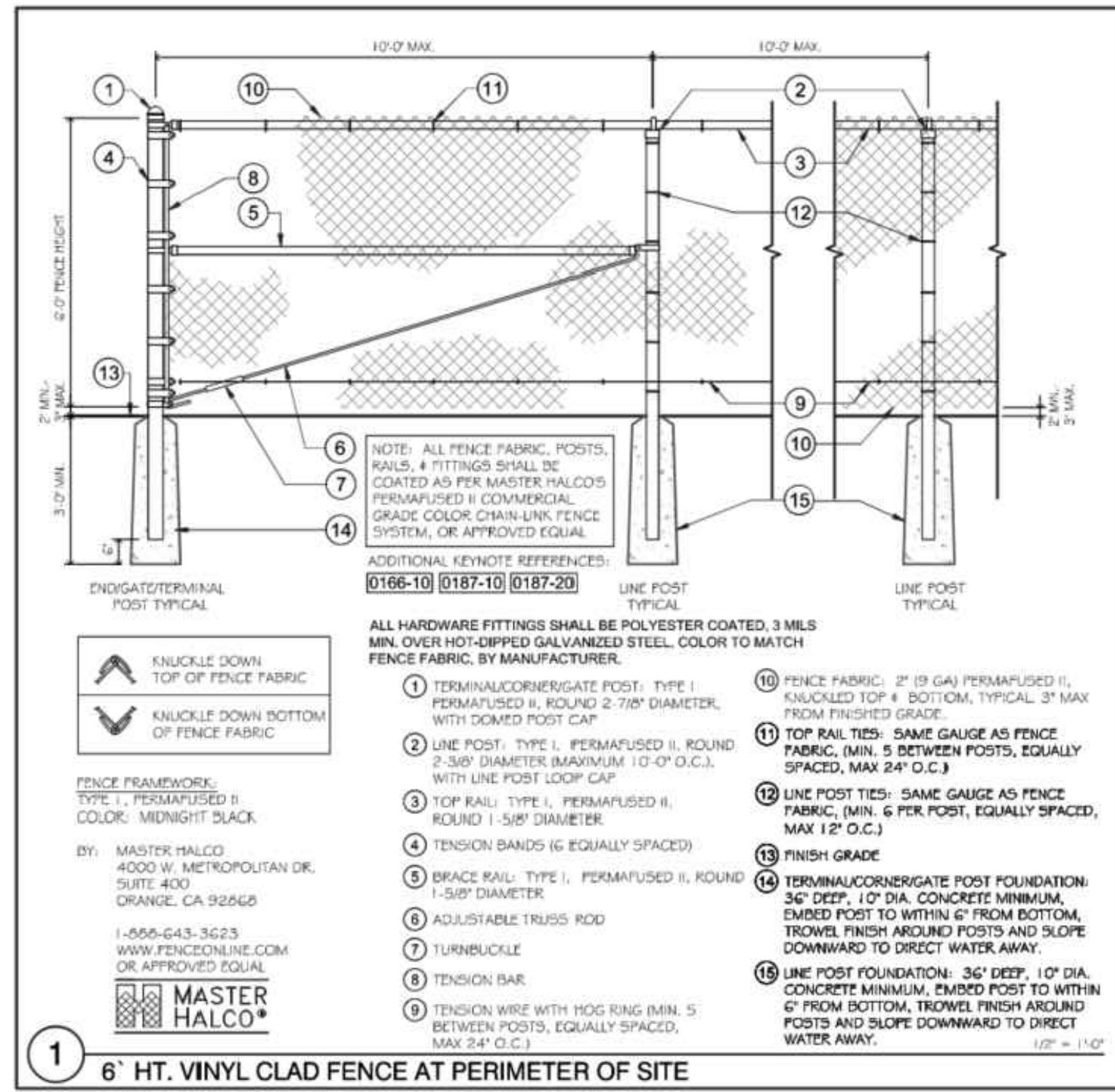
SHEET NO.

C-400



LEGEND





ORGANIC INFILL

A. SYSTEM QUALIFICATIONS

1. THE ORGANIC INFILL MUST PROVE RELIABLE BY HAVING BEEN INSTALLED IN SYNTHETIC TURF FOR COMMERCIAL USE FOR A MINIMUM OF 2 YEARS WITHOUT ANY INCIDENCE OF FAILURE OR DEFECT.
2. THE UTILITY OF OF THE ORGANIC INFILL MUST BE PROVEN BY HAVING BEEN UTILIZED IN A MINIMUM OF 5 FULL-SIZED SYNTHETIC TURF FIELDS WITHIN THE UNITED STATES, AT LEAST TWO (2) FIELDS INSTALLED IN THE STATE OF FLORIDA, AND AT LEAST ONE (1) FIELD INSTALLED IN SOUTH FLORIDA WITH NO INCIDENCE OF FAILURE, DEFECT OR REPLACEMENT.
3. THE ORGANIC INFILL SYSTEM MUST MEET THE ASTM STANDARDS AND TESTING CRITERIA FOR SYNTHETIC TURF FIELDS.

B. THE INFILL MATERIALS SHALL BE APPROVED BY THE SYNTHETIC TURF GRASS MANUFACTURER.

4. THE INFILL SHALL CONSIST OF A RESILIENT LAYERED SYSTEM, COMPRISED OF SELECTED ORGANIC INFILL(S) AND SAND, INCLUDING BUT NOT LIMITED TO SAND/CORK OR SAND/CORK/COCONUT FIBER.
5. THE COMBINATION OF SAND AND ORGANIC INFILL(S) SHALL BE INSTALLED IN THE RATIO AND COMBINED WEIGHT AS DETERMINED BY SYNTHETIC TURF GRASS MANUFACTURER WHICH YIELDS THE REQUIRED G-MAX VALUES.

E. THE INFILL MATERIALS SHALL BE ONE OF THE FOLLOWING OR APPROVED EQUAL:

1. BROCKFILL
2. LIMONTA INFILL PRO GEO PLUS
3. SHAW GEOFILL
4. GREENPLAY USA

IF PROPOSING "APPROVED EQUAL" ORGANIC INFILL, THE CONTRACTOR SHALL SUBMIT THE FOLLOWING ITEMS AT LEAST 10 DAYS PRIOR TO BID OPENING TO BE CONSIDERED IN THE ADDENDUMS:

- a. TWO REPRESENTATIVE SAMPLES (1 LB. EACH) OF ORGANIC INFILL.
- b. A TECHNICAL SPECIFICATION SHEET AND A LETTER CERTIFYING THAT THE PRODUCTS OF THIS SECTION MEET OR EXCEED SPECIFIED REQUIREMENTS.
- c. SYNTHETIC TURF GRASS SYSTEM QUESTIONNAIRE
- d. OTHER REQUIRED FORMS BY VOLUME I, BID DOCUMENTS.
- e. TO BE CONSIDERED EQUAL, THE ALTERNATIVE MANUFACTURE MUST BY APPROVED BY BID ADDENDUMS, AND ALL PRE-BID SUBMITTAL REQUIREMENTS BE PROVIDED 10 DAYS PRIOR TO OPENING BID.
- f. ORGANIC INFILL(S) SHALL BE 100% ORGANIC AND NOT CHEMICALLY TREATED.
- g. THE ORGANIC INFILL MUST BE MINERAL FREE TO AVOID ABRASIVENESS AND COMPACTION.
- h. THE BULK DENSITY OF THE ORGANIC INFILL MUST BE LESS THAN 22 LBS. PER CUBIC FOOT.
- i. NO MORE THAN 12% OF THE ORGANIC INFILL COMPRISED OF COCONUT FIBER, RICE HUSK AND CORK SHALL PASS THROUGH THE #25 SIEVE.
- j. TYPICAL INFILL QUANTITY: 2 LBS. PER SQUARE FOOT FOR A 2 1/2" INCH PILE HEIGHT TURF WITH A DENSITY OF 42 OUNCES PER SQUARE YARD (QUANTITY VARIES WITH PILE HEIGHT AND DENSITY).
- k. END LIFE RECONCILABILITY:
 1. THE ORGANIC INFILL MUST BE 100% ORGANIC AND NATURAL FOR UTILIZATION AFTER REMOVAL FROM THE TURF AS A TOP DRESSING FOR NATURAL GRASS OR TO BE TILLED INTO NATURAL SOIL.
 2. THE ORGANIC INFILL MUST BE 100% ORGANIC AND NATURAL AS TO NOT CONTAMINATE THE SYNTHETIC TURF AFTER ITS FULL LIFE CYCLE WITH ANY INORGANIC COMPONENTS THAT WOULD PREVENT IT FROM RE-PURPOSING.

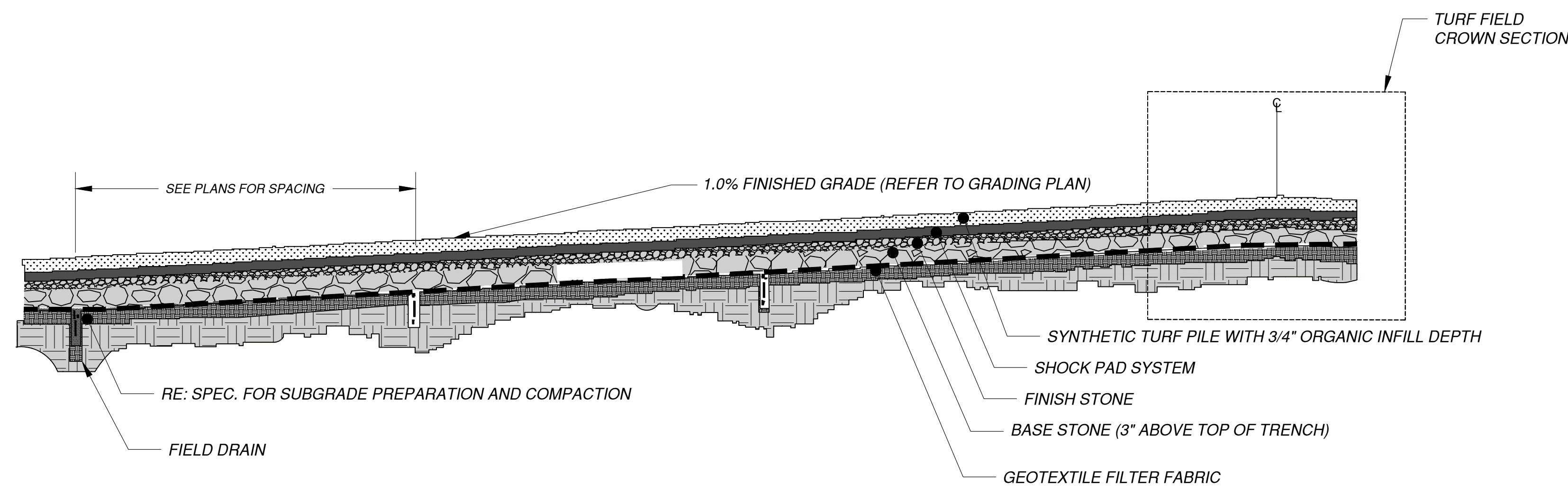
SYNTHETIC TURF

THE SYNTHETIC TURF MATERIAL FOR THE FIELDS SHALL BE MATRIX TURF (WITH HELLAS TEXTILES) OR APPROVED EQUIVALENT.

SHOCK PAD SYSTEM

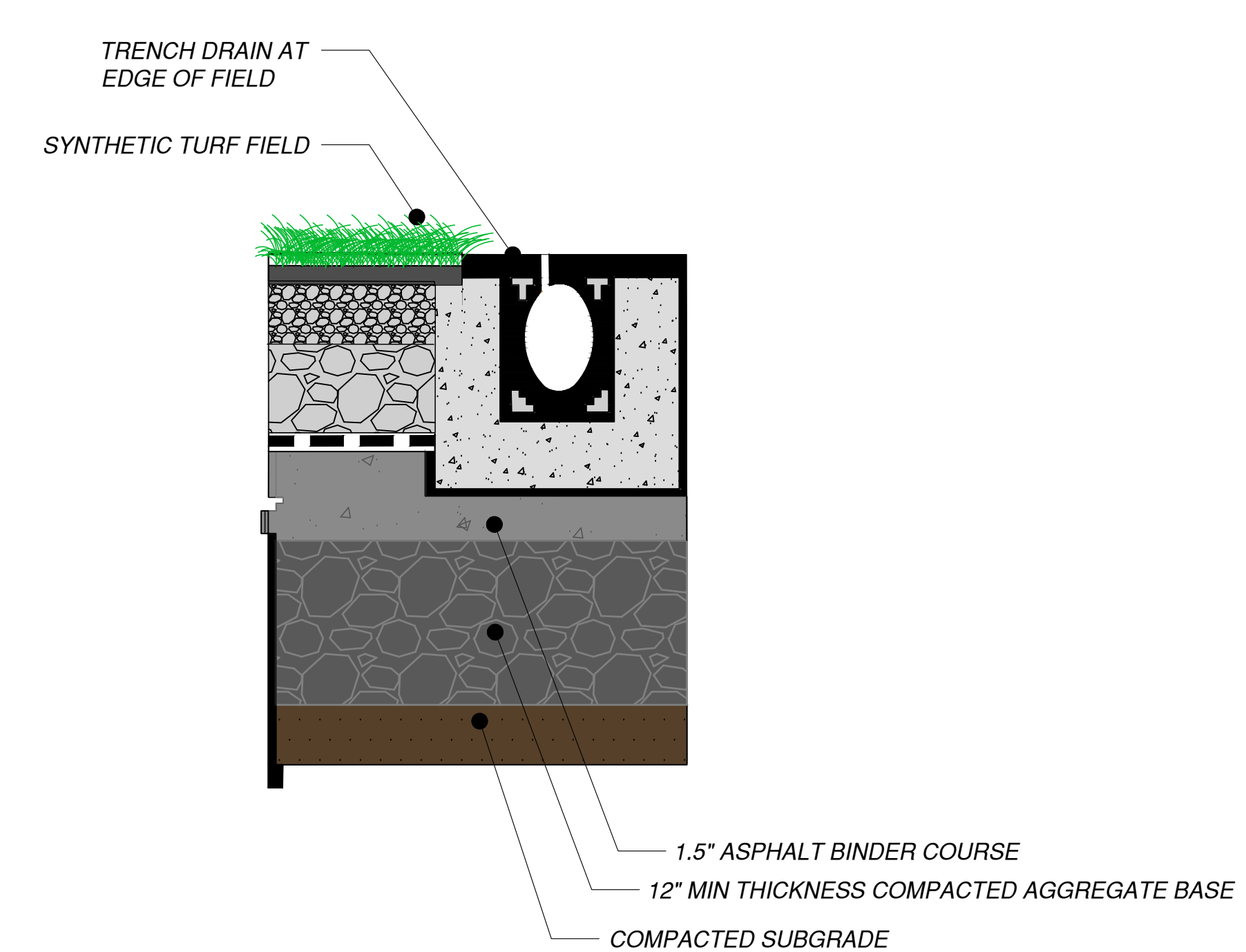
THE SHOCK PAD SYSTEM FOR THE TURF FIELDS SHALL BE BROCK POWER BASE YSR OR APPROVED EQUIVALENT.

*NOTE: UNDER NO CIRCUMSTANCES WILL THE CITY OF WESTON APPROVE CRUMB RUBBER INFILL OR ANY OTHER NON ORGANIC INFILL MATERIALS. ANY ALTERNATIVE PRODUCT PROPOSED BY THE CONTRACTOR MUST BE EQUIVALENT TO THE SPECIFICATIONS OF THE MATERIALS MENTIONED.

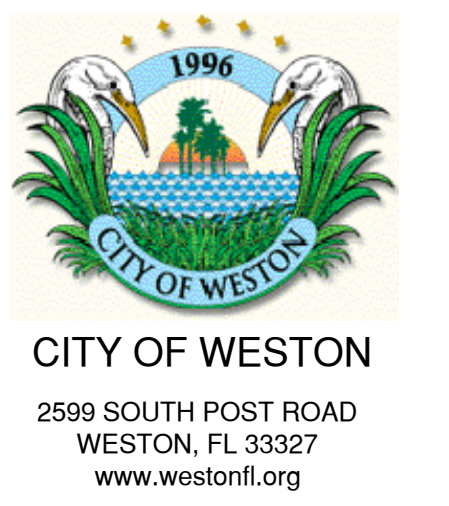


SYNTHETIC TURF FIELD SECTION

*NOTE: THICKNESS OF BASE STONE AND FINISH STONE TO BE DETERMINED.



TRENCH DRAIN SECTION



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 FORT LAUDERDALE, FL 33309
 PH: 954-714-2000 FAX: 954-733-8604



PROJECT:
DESIGN CRITERIA PACKAGE FOR VISTA PARK NORTH SOCCER FIELDS REPLACEMENT
 VOLUME 1 OF 2

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: 11/7/2023
 DESIGNED BY: MA
 DRAWN BY: BW / JPC
 REVIEWED BY: ER
 SEAL:

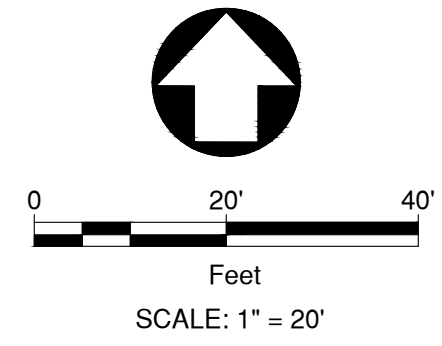
SHEET TITLE:
MISCELLANEOUS CONSTRUCTION DETAILS

SHEET NO.
C-500



PROPOSED SOCCER
FIELD NO. 4

PROPOSED SOCCER
FIELD NO. 1



CITY OF WESTON
2599 SOUTH POST ROAD
WESTON, FL 33327
www.westonfl.org

CONSULTANT:
EAC
EAC Consulting, Inc.
5100 NW 33rd AVE, SUITE 243
FORT LAUDERDALE, FL 33309
PH: 954-714-2000 FAX: 954-733-8604

Sunshine811
Call 811 or www.sunshine811.com two full
business days before digging to have utilities
located and marked.
Check positive response codes before you dig!

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**DESIGN CRITERIA PACKAGE
FOR VISTA PARK
NORTH SOCCER FIELDS
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VOLUME 1 OF 2

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SHEET TITLE:
**PROPOSED FIELDS
LAYOUT PLAN**

SHEET NO.
C-600

PERMITS: