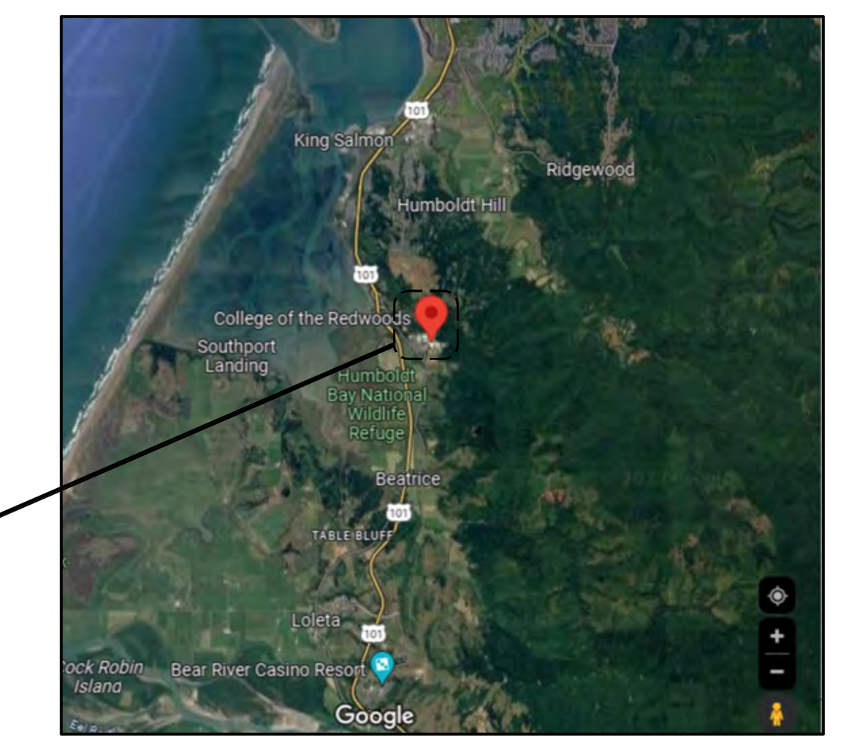
COLLEGE OF THE REDWOODS COMMUNITY STADIUM UPGRADE

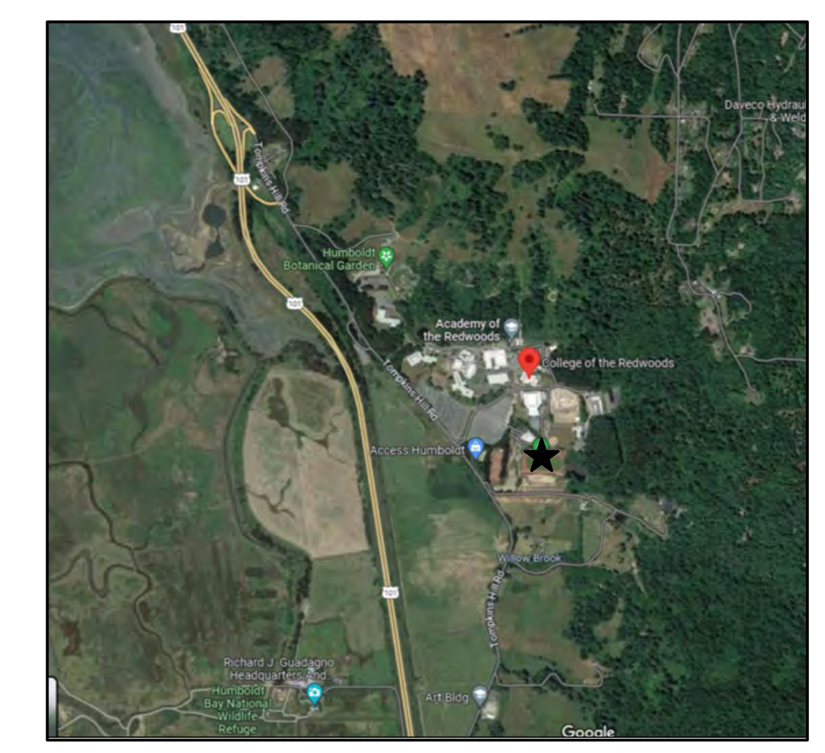
REDWOODS COMMUNITY COLLEGE DISTRICT
7351 TOMPKINS HILL RD, EUREKA CA 95501
DSA# 01-121308 FILE# 12-C1

BID SET

PROJECT SITE



REGIONAL MAP



AREA MAP

CAMPUS MAP

tBP / Architecture

1777 Oakland Boulevard - Suite 320, Walnut Creek, CA 94596, http://www.tbparchitecture.com

DSA CERTIFICATION OF THIS PROJECT #01-121308 IS CONTINGENT UPON THE CERTIFICATION OF PROJECT #01-119705

tBP
Architecture
Planning
Interiors

DSA #: 01-121308

agency

tBP architecture planning interiors

LICENSED ARCHITECT
PHILIP JOHN NEWSOM
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architect

consultant

COR COMMUNITY STADIUM UPGRADE
COLLEGE OF THE REDWOODS
REDWOODS COMMUNITY COLLEGE DISTRICT
7351 TOMPKINS HILL RD, EUREKA, CA 95501

owner

tBP project number: 22079.00

file name: G000 Cover.dwg

drawn by: checked by:

date: 12/06/23

rev:	date:	description:
	09/08/23	SCHEMATIC DWGS
	10/09/23	DESIGN DEVELOPMENT DWG
	11/01/23	75% CONSTRUCTION DWGS
	11/20/23	DSA SUBMITTAL
	12/06/23	BID SET

drawing title:
COVER SHEET

drawing no.:
G000

ABBREVIATIONS

AB	ANCHOR BOLT	ENCL.	ENCLOSURE	M	METER	S	SEAL
AC	ASPHALTIC CONCRETE	ENG	ENGINEER	MAINT	MAINTENANCE	S.A.F.F	SELF ADHERED FLEXIBLE
ACOUS	ACOUSTICAL	ENGY	ENERGY	MAMF	MATCH ADJ. MTL. FRAME		FLASHING
ACP	ACOUSTICAL CEILING PANEL	ENTR	ENTRANCE	MAN	MANUAL	S.A.F.F.H.T.	SELF ADHERED FLEXIBLE
ACT	ACOUSTICAL TILE	EOD	EDGE OF DECK	MAS	MASONRY		FLASHING - HIGH TEMP
AD	AREA DRAIN	EP	EPOXY PAINT	MASD	MATCH ADJ. STAIN DOORS	S.B.	SPLASH BLOCK
ADH	ADHESIVE	EPG	EPOXY PAINT GLOSS	MATL.	MATERIAL	S.C.	CONCRETE WITH SEALER
ADJ	ADJACENT	EPSG	EPOXY PAINT SEMI-GLOSS	MAWC	MATCH ADJ. WALL COLOR	SCHED.	SCHEDULE
AFF	ABOVE FINISH FLOOR	EQ.	EQUAL	MAX.	MAXIMUM	S.C.N.	SOLID CORE NATURAL FINISH
AFP	ACCORDIAN FOLDING PARTITION	EQUIP.	EQUIPMENT	M.C.	MEDICINE CABINET	S.C.P.	SOLID CORE PAINT FINISH
AGGR	AGGREGATE	EST.	ESTIMATE	MCC	MOTOR CONTROL CENTER	S.C.P.L.	SOLID CORE PLASTIC LAMINATE
ALT	ALTERNATE	E.W.C.	ELECTRIC WATER COOLER	ME	MATCH EXISTING	S.C.S.	SOLID CORE STAIN FINISH
ALUM	ALUMINUM	EWH	ELECTRIC WATER HEATER	MECH.	MECHANICAL	S.D.	STORM DRAIN
AMP	AMPERE	EXH	EXHAUST	MED	MEDIUM	SECT.	SECTION
ANOD	ANODIZED	EXIST.	EXISTING	MEZZ	MEZZANINE	SF	STAIN FINISH
AP	ACOUSTICAL PANEL	EXP.	EXPANSION	MFR.	MANUFACTURER	SFL	STAIN FINISH W/ LACQUER
APPROX	APPROXIMATELY	EXPSD.	EXPOSED	MH	MAGNETIC HOLD	SFV	STAIN FINISH W/ VARNISH
ARCH	ARCHITECT	EXT.	EXTERIOR	MIN.	MINIMUM	SG	SOUND GASKET
ASB	ASBESTOS			MIR	MIRROR	SHT.	SHEET
ASSY	ASSEMBLY	F	FACTORY FINISH	MISC.	MISCELLANEOUS	SIM.	SIMILAR
AUTO	AUTO ASST DOOR W/ PUSH PLATE	F.A.	FIRE ALARM	MKR	MARKER	SLR	SEALER
		FC	FOOTCANDLE	MTL.	METAL	SPEC.	SPECIFICATIONS
BAT	BATTERY	F.D.	FLOOR DRAIN	MTD.	MOUNTED	SPLY	SUPPLY
BBD	BULLETIN BOARD	FDC	FIRE DEPARTMENT CONNECTION	MUL.	MULLION	SQ.	SQUARE
BD	BOARD	FDN	FOUNDATION	MVBL	MOVABLE	SR	STEAM RETURN
BF	BLACK FACED INSUL. PANEL	F.E.	FIRE EXTINGUISHER			SS	STEAM SUPPLY
BLDG	BUILDING	F.E.C.	FIRE EXTINGUISHER CABINET	N.	NORTH	SSK.	SERVICE SINK
BLKG	BLOCKING	FFP	FOLDING FABRIC PARTITION	N/A	NOT APPLICABLE	SST.	STAINLESS STEEL
BLO	BLOWER	FG	FIRE-RATED GLAZING	NAT.	NATURAL	ST	STREET
BLR	BOILER	F.H.	FIRE HYDRANT	NEG	NEGATIVE	STAG	STAGGERED
BLW	BELOW	FIN.	FINISH	N.I.C.	NOISE ISOLATION CLASS	STC	SOUND TRANSMISSION CLASS
BM	BEAM	FLASH.	FLASHING	NO.	NUMBER	STD.	STANDARD
BO	BOTTOM OF	FLR.	FLOOR	NOM.	NOMINAL	STL.	STEEL
BOM	BOTTOM OF MULLION	FLUOR.	FLUORESCENT	N.T.S.	NOT TO SCALE	STM	STEAM
BRKR	BREAKER	F.O.	FACE OF			STOR	STORAGE
BTU	BRITISH THERMAL UNIT	FOS	FACE OF STUD	O.A.	OVERALL	STRUCT.	STRUCTURAL
BUR	BUILT UP ROOF	FPP	FOLDING PANEL PARTITION	OBS.	OBSCURE	SURF	SURFACE
		FPW	FOLDING PANEL WOOD DOOR	O.C.	ON CENTER	SUSP.	SUSPENDED
C	CARPET TILE	F.R.A.	FIRE RATED ASSEMBLY	O.D.	OUTSIDE DIAMETER	SWBD	SWITCHBOARD
CA	CARD ACCESS SYSTEM	F.R.P.	FIBERGLASS REINFORCED PANEL	O.F.	OVERFLOW DRAIN	SWGR	SWITCHGEAR
CAB	CABINET	F.S.	FLOOR SINK	OFCI	OWNER FURNISHED-CONTRACTOR	SWR	SEWER
CARP	CARPET	FT.	FOOT OR FEET		INSTALLED	SYM.	SYMBOL
CAT	CATALOG	FTG.	FOOTING	OFF	OFFICE	SYS	SYSTEM
CB	CATCH BASIN	FURR.	FURRING	OFOI	OWNER FURNISHED-OWNER		
CEM	CEMENT	FXTR	FIXTURE		INSTALLED	T.	TEMPERED
CF	CURB FACE			OPNG.	OPENING	T. & B.	TOP AND BOTTOM
CFM	CUBIC FEET PER MINUTE	G.	GAS	OPP.	OPPOSITE	T. & G.	TONGUE AND GROOVE
CHBD	CHALKBOARD	GA.	GAGE	OVHD	OVERHEAD	TD	TRENCH DRAIN
CHEM	CHEMICAL	GALV.	GALVANIZED			TECH	TECHNICAL
CHWR	CHILLED WATER RETURN	GB	GYPSUM BOARD CEILING	PART.	PARTITION	TEL.	TELEPHONE
CHWS	CHILLED WATER SUPPLY	GL.	GLASS	PB	PULL BOX	TEMP.	TEMPERATURE
CI	CAST IRON	GLU.LAM.	GLUE LAMINATED	PBD	PARTICLEBOARD	THK	THICK
CIR	CIRCLE	GND.	GROUND	PC	PORTLAND CEMENT	THRES.	THRESHOLD
CJ	CONTROL JOINT	GPM	GALLONS PER MINUTE	PERF	PERFORATED	THRU	THROUGH
CL	CENTERLINE	GR.	GRADE	PERP	PERPENDICULAR	TKBD	TACKBOARD
CLG	CEILING	GYP.	GYPSUM	PES	PAINT EGGSHELL	T.O.	TOP OF
CLO	CLOSET			PF	PAINT FLAT	T.O.M.	TOP OF MULLION
CLRM	CLASSROOM	H.B.	HOSE BIB	PG	PAINT GLOSS	TOT	TOTAL
CMT	CERAMIC MOSAIC TILE	HCN	HOLLOW CORE NATURAL FINISH	PH	EMERGENCY EGRESS HARDWARE	TR.	TREAD
CMU	CONCRETE MASONRY UNIT	HCP	HOLLOW CORE PAINT FINISH	PIV	POST INDICATOR VALVE	TRNSF.	TRANSFORMER
CND	CONDUIT	HDBD.	HARDBOARD	P.L.	PROPERTY LINE	TYP.	TYPICAL
CO	CLEANOUT	HDR	HEADER	PLAS.	PLASTER		
COL	COLUMN	HDW.	HARDWARE	PLAT.	PLATFORM	U	HEAT TRANSFER COEFFICIENT
COMM	COMMUNICATION	HDWD.	HARDWOOD	PLBG	PLUMBING	UC	UNDERCUT DOOR
COMP	COMPOSITION	HGT.	HEIGHT	PLF	POUNDS PER LINEAR FOOT	UGND	UNDERGROUND
CONC	CONCRETE	H.M.	HOLLOW METAL	PLYWD.	PLYWOOD	UNFIN.	UNFINISHED
CONF	CONFERENCE	HORIZ.	HORIZONTAL	PNL	PANEL	U.N.O.	UNLESS NOTED OTHERWISE
CONN	CONNECTION	HP	HORSEPOWER	POS	POSITIVE	UPG	URETHANE PAINT GLOSS
CONT	CONTINUOUS	HR.	HOUR	PP	PORTABLE PARTITION	UPSG	URETHANE PAINT SEMI-GLOSS
CONTR	CONTRACTOR	HSTAT	HUMIDISTAT	PR.	PAIR	UR.	URINAL
COORD	COORDINATE	HTG.	HEATING	PREFAB	PREFABRICATED	UTIL	UTILITY
CORR	CORRIDOR	HTWR	HOT WATER RETURN	PREFIN	PREFINISHED		
COV	COVER	HTWS	HOT WATER SUPPLY	PRELIM	PRELIMINARY	V	VOLT
CP	CONTROL PANEL	HVAC	HEATING, VENTILATING, AIR	PROJ	PROJECT	VAC	VACUUM
CR	CONDENSATE RETURN		CONDITIONING	PS	PREFINISHED STEEL	VAV	VARIABLE AIR VOLUME
CS	CONCRETE - SEALED	HVY	HEAVY	PSF	POUNDS PER SQUARE FOOT	V.C.T.	VINYL COMPOSITION TILE
CSWK	CASEWORK	HW	HOT WATER	PSG	PAINT SEMI-GLOSS	VERT.	VERTICAL
CT	CERAMIC TILE			PSI	POUNDS PER SQUARE INCH	VEST.	VESTIBULE
CTV	CABLE TELEVISION	I.D.	INSIDE DIAMETER	PVC	POLYVINYL CHLORIDE	VF	VARNISH
CW	COLD WATER	INSUL.	INSULATION				
		INT.	INTERIOR	Q.T.	QUARRY TILE	W	WATT
DBL	DOUBLE	INV.	INVERT	QTY	QUANTITY	W/	WITH
DEMO	DEMOLITION	IW	IRRIGATION WATER			W.C.	WATER CLOSET
DEPT	DEPARTMENT			R.	THERMAL RESISTANCE	WD.	WOOD
DET	DETAIL	JAN.	JANITOR	RAD.	RADIUS	WDW.	WINDOW
DF	DRINKING FOUNTAIN	JCT.	JUNCTION	R.D.	ROOF DRAIN	WHSE	WAREHOUSE
DIA	DIAMETER	JT.	JOINT	RDWD.	REDWOOD	WL	WIND LOAD
DIM	DIMENSION			REF.	REFERENCE	W.O.	WHERE OCCURS
DISP.	DISPENSER	K	KIP (1000 LB)	REFR.	REFRIGERATOR	WLD	WELDED
DIST.	DISTANCE	KIT.	KITCHEN	REG.	REGISTER	WP	WORKING POINT
DIV.	DIVISION	KO	KNOCKOUT	REINF.	REINFORCING	WPG	WATERPROOFING
D.L.	DEAD LOAD	KVA	KILOVOLT AMPERE	REQD.	REQUIRED	WR	WATER RESISTANT
DN.	DOWN			RESIL.	RESILIENT	WSCT.	WAINSCOT
DS.	DOWN SPOUT	LAB.	LABORATORY	RET	RETURN	WT	WEIGHT
DWG.	DRAWING	LAQ.	LAQUER FINISH	REV.	REVERSE	W.W.F.	WELDED WIRE FABRIC
		LAV.	LAVATORY	RFG	ROOFING		
(E)	EXISTING	LB.	POUND	RM.	ROOM	XC	EXISTING OPEN CEILING
EA.	EACH	LDG	LANDING	R.O.	ROUGH OPENING	XFMR	TRANSFORMER
EC	ELECTRIFIED CLOSER	LL	LIVE LOAD				
EL	EASEMENT LINE	LT	LIGHT				
E.J.	EXPANSION JOINT	LTG	LIGHTING				
ELEC.	ELECTRICAL	LVL	LEVEL				
ELEV.	ELEVATION	LVR	LOUVER				
EMER.	EMERGENCY						

ADD ALTERNATES

1. ADD ALT. #1: INDICATE SUPPLEMENTAL PAD SYSTEM BELOW FIELD SYNTHETIC TURF AREA.
2. ADD ALT. #2: INDICATE TRACK PERIMETER CHAIN LINK FENCING AND GATES
3. ADD ALT. #3: PREMIUM TRACK SURFACE
4. ADD ALT. #4: INDICATE BALL CONTROL NETTING TO WEST END OF THE FIELD

PROJECT SCOPE

ADDING ARTIFICIAL TURF WITH APPROX. 15' WIDER FOOTPRINT TO ACCOMMODATE SOCCER FIELD. WILL REQUIRE REPLACEMENT OF TRACK TO EXPAND OUT APPROX. 5' WHILE KEEPING THE 8 LANES. THE ACCESSIBLE PATH OF TRAVEL WILL BE MODIFIED WITH THE NEW AREAS OF WORK. NEW SITE LIGHTING WILL BE ENTIRELY PLANNED WITH RACEWAYS SET IN PLACE.

GENERAL CONFORMANCE

STATEMENT OF GENERAL CONFORMANCE
FOR ARCHITECTS/ ENGINEERS WHO UTILIZE PLANS INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS
(Application No. 01-121308 File No. 12 - C1)

☒ The drawings or sheets listed on the cover or index sheet as noted with Astrix
☐ This drawing, page or specifications/ calculations

have been prepared by other design professionals or consultants who are licensed and/ or authorized to prepare such drawings in this state. It has been examined by me for:

1., Design intent and appears to meet the appropriate requirements of Title 24, California code of Regulations and the project specifications prepared by me, and
2. coordination with my plans and spcifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance shall not be construed as relieving me of my rights, duties and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344 of Title 24, Part 1. (Title 24, Part 1, Section 4-317 (b))

I find that:
☒ All drawings or sheets listed on the cover or index sheet
☐ This drawing or page
☒ is/ are in general conformance with the project design, and
☒ has/ have been coordinated with the project plans and specifications.

Signature — 12.05.23 Date

Architect or Engineer designated to be in general responsible charge
Print Name: PHIL NEWSOM
License Number: C23270 Exp Date: 10/31/2025

DRAWING LIST

GENERAL (2)

G000 COVER SHEET
G001 SHEET INDEX / PROJECT DIRECTORY

ARCHITECTURAL DRAWINGS (1)

AS001 SITE PLAN

CIVIL DRAWINGS (9)

C-001 CIVIL GENERAL NOTES
C-002 CIVIL LEGEND, ABBREVIATIONS, AND SYMBOLS
CD-101 SURVEY CONTROL, EXISTING CONDITIONS & DEMOLITION PLAN
C-101 PERIMETER GRADING PLAN
C-102 SURFACE IMPROVEMENT PLAN
C-103 UTILITY PLAN
C-501 CIVIL DETAILS 1
C-502 CIVIL DETAILS 2
C-503 CIVIL DETAILS 3

ELECTRICAL DRAWINGS (5)

E-001 LEGEND, ABBREVIATIONS AND SYMBOLS, AND NOTES
ED-101 EXISTING CONDITIONS & DEMOLITION PLAN
E-101 SITE PLAN
E-501 DETAILS
E-601 SINGLE LINE DIAGRAM

LANDSCAPE DRAWINGS (20)

F-1.0 FIELD AND TRACK COLOR LAYOUT PLAN
F-1.1 FIELD AND TRACK LAYOUT PLAN
F-1.2 FIELD AND TRACK GRADING PLAN
F-1.3 FIELD AND TRACK DRAINAGE PLAN
F-1.4 FIELD AND TRACK WASHWATER PLAN
F-1.5 FIELD AND TRACK FENCING PLAN
F-1.6 FIELD AND TRACK LAYOUT CONTROL PLAN
F-2.1 FIELD AND TRACK SECTION DETAILS
F-2.2 FIELD AND TRACK DRAINAGE PLANS
F-2.3 FIELD AND TRACK FENCING DETAILS
F-2.4 FIELD AND TRACK FENCING DETAILS
F-2.6 FIELD AND TRACK SITE DETAILS
F-2.6 TRACK DETAILS
F-2.7 FIELD EVENT DETAILS
F-2.8 FIELD EVENT DETAILS
F-2.9 FIELD EVENT DETAILS
F-2.10 IRRIGATION & WASHWATER DETAILS
F-3.1 SYNTHETIC TURF FIELD COMPOSITE PLAN
F-3.2 SYNTHETIC TURF FIELD FOOTBALL PLAN & DETAILS
F-3.3 SYNTHETIC TURF FIELD SOCCER PLAN & DETAILS

TOTAL SHEET COUNT = 37 SHEETS

APPLICABLE CODES

1. 2022 EDITION OF TITLE 24 (CALIFORNIA BUILDING STANDARDS CODE) OF THE CALIFORNIA CODE OF REGULATIONS (CCR) AND THE LATEST SUPPLEMENTS:

   PART 01 CALIFORNIA STANDARDS BUILDING ADMINISTRATIVE CODE (CAC)
   PART 02 CALIFORNIA BUILDING CODE (CBC)
   PART 03 CALIFORNIA ELECTRICAL CODE (CEC)
   PART 04 CALIFORNIA MECHANICAL CODE (CMC)
   PART 05 CALIFORNIA PLUMBING CODE (CPC)
   PART 06 CALIFORNIA ENERGY CODE
   PART 09 CALIFORNIA FIRE CODE (CFC)
   PART 11 CALIFORNIA GREEN BUILDING STANDARDS CODE CALGREEN CODE)
   PART 12 CALIFORNIA REFERENCE STANDARDS CODE

2. STATE OF CALIFORNIA, TITLE 19, STATE FIRE MARSHAL (SFM) - PUBLIC SAFETY REGULATIONS

3. PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)	2022 EDITION
NFPA 14	STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS	2022 EDITION
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2022 EDITION
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2022 EDITION
NFPA 20	STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2022 EDITION
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2022 EDITION
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES	2022 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2022 EDITION
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2022 EDITION
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2022 EDITION
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2022 (R2010)
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2022 EDITION
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	2022 EDITION
UL 1971	STANDARD FOR SIGNALING DEVICES FOR HEARING IMPAIRED	2022 EDITION
UL 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS	2022 EDITION

   FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

   SEE CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

4. STATE OF CALIFORNIA, TITLE 8, DEPARTMENT OF INDUSTRIAL RELATIONS, CHAPTER 4 DIVISION OF INDUSTRIAL SAFETY, SUB CHAPTER 6 ELEVATOR SAFETY ORDERS.

   2022 ASME A17.1 (W/A17.1a/ CSA B44a-08 ADDENDA) SAFETY CODE FOR ELEVATORS AND ESCALATORS.

GENERAL NOTES

- ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
- CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR
- A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NO -COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c), PART 1 , TITLE 24, CCR)
- CHANGES TO THE DIVISION OF THE STATE ARCHITECT-APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENTS FOR CHANGES TO THE STRUCTURAL, ACCESSIBILITY, OR FIRE-LIFE SAFETY PORTIONS OF THE WORK SHOWN THEREON.CAC 4-338 (C))
- SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING, AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK. (CAC, 2022, 4-317 (C))
- FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH CFC CHAP 33.
- A DSA - CERTIFIED CLASS 3 PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT
- REVIEW DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS TO ENSURE THAT WORK IS BUILDABLE AS SHOWN. REPORT ANY CONFLICTS OR OMISSIONS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO PERFORMING ANY WORK IN QUESTION.
- DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS GOVERN.
- SUBMIT REQUESTS FOR SUBSTITUTION, REVISIONS OR CHANGES TO ARCHITECT FOR REVIEW PRIOR TO PROCUREMENT, FABRICATION, OR INSTALLATION.
- NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMO WORK HAVE BEEN APPROVED BY DSA.

PROJECT DIRECTORY

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DA HOGAN & ASSOCIATES, INC
1450 114TH AVE, SE, SUITE 225
BELLEVUE, WA 9804
PH: 206.285.0400

DEFERRED APPROVALS

THE FOLLOWING ITEMS SHALL NOT BE INSTALLED UNTIL SIGNED ENGINEERING CALCULATIONS, DETAILED PLANS, SPECIFICATIONS AND EQUIPMENT SUBMITTALS HAVE BEEN SUBMITTED, REVIEWED AND APPROVED BY THE ENGINEER, ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.

1. N/A

DSA #: 01-121308
agency

tBP architecture planning interiors

LICENSED ARCHITECT PHILIP JOHN NEWSOM RENEWAL 10-31-25 No. 23270 STATE OF CALIFORNIA

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SHEET INDEX / PROJECT DIRECTORY

drawing no.:
G001

CAMPUS PARKING ANALYSIS

PARKING LOT	DSA APP #	TOTAL PARKING SPACES PER LOT	ACCESSIBLE SPACES REQUIRED	VAN ACCESSIBLE SPACES REQ'D (1 IN 6 OF SPACES)	ACCESSIBLE SPACES PROVIDED	VAN ACCESSIBLE SPACES PROVIDED	TOTAL ACCESSIBLE SPACES PROVIDED	DIFFERENCE
PE	01-119705	2	1	(1)	1	1	2	+ 1
FH	01-119705	5	1	(1)	2	1	3	+ 2
PE 1	01-106948	8	2	(1)	3	1	3	0
PE 2	01-119705	21	2	(1)	3	1	3	- 2
A	-	132	5	(1)	0	0	0	- 5
B	35895	230	7	(1)	3	1	4	- 3
C	-	106	5	(1)	0	0	0	- 5
D	-	403	9	(2)	0	0	0	- 9
E	01-119705	753	16	(3)	16	4	16	+16
F	-	64	3	(1)	1	0	1	- 2
G	-	40	2	(1)	0	2	2	0
H	-	11	1	(1)	0	0	0	- 1
I	-	11	1	(1)	5	2	7	+ 6
J	01-102284	7	1	(1)	5	2	7	+ 6
K	-	23	1	(1)	4	0	4	+ 3
L	-	23	1	(1)	4	0	4	+ 3
M	-	13	1	(1)	0	0	0	- 1
N	01-102284	12	1	(1)	4	1	5	+ 4
O	01-102284	12	1	(1)	4	1	5	+ 4
CDC	01-103211	7	1	(1)	6	1	7	+ 6
CA	01-118853	2	1	(1)	2	1	2	+1
TOTAL		**1,889**	**59**	**(22) OF 59**	**52**	**19**	**69**	**+24**

SITE PLAN GENERAL NOTES

1. THE ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX SLOPE OR VERTICAL LEVEL CHANGE NOT EXCEEDING 1/4" MAX AND AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED.
2. CONTRACTOR MAY PROPOSE ALTERNATE STAGING AREAS FOR OWNER'S CONSIDERATION
3. THERE IS NO PUBLIC BUS STOP AT THE MAIN ENTRANCE TO CAMPUS ON TOMPKINS HILL ROAD - THE MAIN PUBLIC BUS STOP IS DESIGNATED W/ A STAR AT THE TRAFFIC CIRCLE IN FRONT OF BUILDING 18 - STUDENT SERVICES/ ADMINISTRATION. CAMPUS ACCESSIBILITY BEGINS AT THIS POINT.

SITE LEGEND

- ACCESSIBLE PATH OF TRAVEL THIS PROJECT
- FIRE LANE
- ★ POINT OF ENTRY / DROP OFF LOCATION
- X PARKING LOT DESTINATION

DEMOLISHED CREATIVE ARTS BLDG UNDER #01-118853

STUDENT RESOURCE CENTER BLDGS 6 & 7 #29632, 33693, 54127

APPLIED TECHNOLOGY BLDG 12 #27136, 41318, 36818, 40508, 01-109104, 01-115703

ACADEMY OF THE REDWOODS OFFICE BLDG 13 #35026

GREENHOUSE BLDG 14 #35026

DEL NORTE RESIDENCE HALL BLDG 16 #29632

ACADEMY OF THE REDWOODS CLASSROOM BLDG 15 #43024

MENDOCINO RESIDENCE HALL BLDG 17 #29632

FORMER PHYSICAL SCIENCE BLDG 2 #27136, 41318

FORMER LIFE SCIENCE BLDG 3 #27136, 41318

SCIENCE BLDG 5 #01-111305

HUMANITIES BLDG 8 #01-111305

LEARNING RESOURCE CENTER BLDG 11 #01-102284, 01-116380

STUDENT SERVICES/ ADMIN BLDG 18 #01-110335, 01-116414

PERFORMING ARTS THEATER BLDG 19 #01-110335

REDWOOD BUSINESS COMPLEX B BLDG 9 #27136, 23895, 41550

REDWOOD BUSINESS COMPLEX A BLDG 10 #34121

TOMPKINS HILL ROAD

PHYSICAL EDUCATION BLDG & FIELD HOUSE BLDG (TO BE DEMOLISHED) #01-119705

CREATIVE ARTS COMPLEX BLDG #01-118853

GROUNDS SERVICE BLDG

WAREHOUSE / MAILROOM BLDG 25 #28889

FIRING RANGE BLDG 26 #35329, 27641

PE BUILDING #01-119705

MAINTENANCE CRAFTS BLDG 27 #28889

MAINTENANCE SHOP BLDG 24 #28889

ADA PARKING #01-119705

CHILD DEVELOPMENT CENTER BLDG 22 #01-103211

INFRASTRUCTURE (WATER TANKS) PROJECT #01-119330

ADMINISTRATION OF JUSTICE BLDG 23 #38802

(E) TOW AWAY SIGN 01-118853

PG & E EASEMENT

FIRE TRUCK ACCESS #01 - 119705

FIRE TRUCK ACCESS #01 - 119330

STADIUM STAGING AND STOCKPILING AREA (HATCHED)

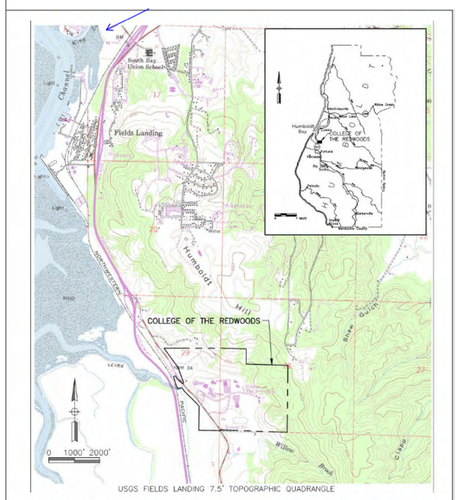
CONCESSIONS #36494

CONTRACTOR MAY DEVELOP ACCESS ROUTES THROUGH FENCE. RESTORE AREAS FOLLOWING CONSTRUCTION

AREA OF WORK

FIELD HOUSE BUILDING #01-119705

NORTH



USGS FIELDS LANDING 7.5' TOPOGRAPHIC QUADRANGLE

CAMPUS MAP - PROPERTY LINE — NOT TO SCALE — 2

CAMPUS SITE PLAN — SCALE: 1" = 100'-0" — 1

DSA #: 01-121308

agency

tBP architecture planning interiors

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architect

consultant

COR COMMUNITY STADIUM UPGRADE

COLLEGE OF THE REDWOODS

REDWOODS COMMUNITY COLLEGE DISTRICT

7351 TOMPKINS HILL RD, EUREKA, CA 95501

owner

IBP project number: 22079.00

file name: AS001 Site Plan.dwg

drawn by: checked by:

date: 12/06/23

rev:	date:	description:
	09/08/23	SCHEMATIC DWGS
	10/09/23	DESIGN DEVELOPMENT DWG
	11/01/23	75% CONSTRUCTION DWGS
	11/20/23	DSA SUBMITTAL
	12/06/23	BID SET

drawing title:

SITE PLAN

drawing no.:

AS001

GENERAL SITE NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE CONDITIONS AND REVIEW ALL AVAILABLE REFERENCE DRAWINGS PRIOR TO THE COMMENCEMENT OF WORK AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND BECOMING FAMILIAR WITH THE SITE CONDITIONS PRIOR TO BIDDING.
2. IT IS EXPECTED THAT THE ACTUAL LOCATION OF EXISTING UTILITIES MAY VARY FROM THAT SHOWN ON THE PLANS. CONTRACTOR SHALL POTHOLE AND LOCATE ALL EXISTING UTILITIES. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT PRIOR TO WORK COMMENCING FOR ANY EXCAVATION OR POTHOLING.
3. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THAT NEW FEATURES TIE INTO EXISTING SITE DEVELOPMENT, PAVEMENT JOINTS MATCH CORRECTLY, AND THAT GENERAL DESIGN ELEVATIONS FOR NEW CONSTRUCTION PROVIDE PROPER PAVEMENT AND DRAINAGE SLOPES FROM EXISTING TIE IN POINTS. REPORT DISCREPANCIES TO OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
4. UPON COMPLETION OF THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL. ALL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO AN "AS GOOD OR BETTER" CONDITION.
5. CONTRACTOR TO MAINTAIN TRAFFIC (VEHICULAR AND PEDESTRIAN) ACCESS TO ALL AREAS OF CAMPUS AT ALL TIMES. CONTRACTOR TO COORDINATE ANY PROPOSED SHUT DOWNS WITH OWNER.
6. EXISTING ACCESSIBLE ROUTES AND ACCESSIBLE PARKING SERVING FACILITIES AND BUILDINGS THAT ARE OPERATIONAL DURING CONSTRUCTION SHALL REMAIN UNOBSTRUCTED, SAFE AND USABLE BY PEOPLE WITH DISABILITIES.

GRADING NOTES

1. SURVEY OF EXISTING CONDITIONS PREPARED BY MULTIPLE ENTITIES. SEE SURVEY NOTES. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL SURVEY DATA. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND ESTABLISHING ALL HORIZONTAL AND VERTICAL CONTROL PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND SHALL ARRANGE FOR STAKING BY A LICENSED SURVEYOR. STAKING WILL BE REVIEWED BY OWNER'S REPRESENTATIVE FOR CONFIRMATION TO DESIGN PRIOR TO CONSTRUCTION.
3. ALL GRADES BETWEEN SPOT ELEVATIONS SHALL HAVE UNIFORM SLOPE UNLESS OTHERWISE INDICATED. MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING WALLS AND DOORS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION. ADEQUATE SHORING BRACING, TIES, AND SUPPORTS SHALL BE USED TO PROVIDE PROPER TEMPORARY INTEGRITY DURING ALL PHASES OF CONSTRUCTION.
5. ALL EXISTING LANDSCAPED AND UNPAVED AREAS WHICH ARE DISTURBED BY CONSTRUCTION OR EARTHWORK OPERATIONS SHALL BE HAND RAKED SMOOTH, ROCKS REMOVED, AND HYDROSEEDED..
6. ALL DITCHES, SWALES, GUTTERS, ETC. SHOULD BE CONSIDERED ACTIVE STORM CONVEYANCES UNLESS OTHERWISE INDICATED. CONTRACTOR IS RESPONSIBLE FOR ADDRESSING STORM WATER DRAINAGE AND DEWATERING OF WORK AREAS DURING CONSTRUCTION.
7. DURING WET WEATHER PERIODS, CONTRACTOR IS RESPONSIBLE FOR SEQUENCING CONSTRUCTION IN A MANNER TO MINIMIZE IMPACT ON OPEN EARTHWORK AND COMPACTION OPERATIONS.
8. COMPLETELY COVER ANY SOIL STOCKPILES WITH 6 MIL BLACK PLASTIC AND PROVIDE RESTRAINTS TO HOLD PLASTIC IN PLACE. MONITOR PLASTIC COVER AS PART OF CONTINUOUS EROSION CONTROL PLAN. PLACE SILT FENCE COMPLETELY AROUND STOCKPILES.

EROSION CONTROL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND IMPLEMENTING THE PROJECT SWPPP PER THE CURRENT NPDES GENERAL PERMIT REQUIREMENTS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MONITORING AND REPORTING. THE OWNER SHALL REGISTER THE PROJECT VIA SMARTS AND ESTABLISH ACCESS FOR THE QUALIFIED STORMWATER PRACTITIONER (QSP) PROVIDED BY THE CONTRACTOR.
3. THE EROSION CONTROL MEASURES SHOWN HERE ARE THE MINIMUM RECOMMENDED. THE CONTRACTOR SHALL ADHERE TO THE QSD\QSP SPECIFIC PLAN OF BMP'S (BEST MANAGEMENT PRACTICES) FOR THE PROJECT SITE APPROPRIATE TO THE PHASE OF CONSTRUCTION AND THE TIME OF YEAR.
4. BACK UP EROSION CONTROL MATERIALS SHALL BE STOCKPILED ON THE SITE TO ALLOW FOR TIMELY REPAIR AND MAINTENANCE OF ALL BMP'S.

VEGETATION PROTECTION AND RESTORATION NOTES

1. NO CUTTING OF ANY PART OF TREES, INCLUDING ROOTS, SHALL BE DONE WITHOUT SECURING APPROVAL FROM OWNER.
2. WHEN CONSTRUCTION OCCURS WITHIN DRIP LINE ON EXISTING TREES, CONTRACTOR IS TO PILE THE SOIL ON THE SIDE AWAY FROM THE TREE. WHEN THIS IS NOT POSSIBLE, PLACE SOIL ON PLYWOOD. A TARP, OR THICK BED OF MULCH. THIS IS TO HELP PREVENT CUTTING INTO THE SOIL SURFACE WHEN THE BACKHOE OR TRACTOR BLADE REFILLS THE TRENCH.
3. REFILL OPEN TRENCHES QUICKLY WITHIN 4 HOURS OF EXCAVATION WHEN THEY OCCUR WITHIN THE DRIP LINE OF EXISTING TREES. IF THIS IS NOT POSSIBLE AND WEATHER IS HOT, DRY, OR WINDY, CONTRACTOR MUST KEEP ROOT ENDS MOIST BY COVERING THEM WITH WET BURLAP. IF TEMPERATURE IS 80°F OR GREATER, THE BURLAP MUST BE INSPECTED EVERY HOUR AND RE-WET A NECESSARY TO MAINTAIN A CONSTANT COOL MOIST CONDITION. IF TEMPERATURE IS BELOW 80°, THE BURLAP MUST BE INSPECTED EVERY FOUR HOURS AND RE-WET AS NECESSARY TO MAINTAIN A CONSTANT COOL MOIST CONDITION. SMALL ROOTS CAN DRY OUT AND DIE IN 10-15 MINUTES. LARGER ROOTS CAN SUCCUMB IN AN HOUR OR LESS UNDER UNFAVORABLE WEATHER CONDITIONS.
4. WHEN ROOTS 2" OR LARGER MUST BE CUT, SHOVEL BY HAND NEAR THE ROOTS AND SAW THE ROOTS. ACCIDENTALLY BROKEN ROOTS SHOULD BE SAWED A COUPLE OF INCHES BEHIND THE RAGGED END. CRUSHED OR TORN ROOTS ARE MORE LIKELY TO ALLOW DECAY TO BEGIN; SHARPLY CUT ROOTS PRODUCE A FLUSH OF NEW ROOTS HELPING THE TREE TO RECOVER FROM ITS INJURY.
5. MATERIALS, EQUIPMENT, TEMPORARY BUILDINGS, FUELS, PAINTS AND OTHER CONSTRUCTION ITEMS ARE NOT TO BE PLACED WITHIN THE DRIP LINE OF EXISTING TREES.
6. GRADING SHOULD NOT CREATE DRAINAGE PROBLEMS FOR TREES BY CHANNELING WATER INTO THEM, OR CREATING SUNKEN AREAS.
7. LANDSCAPING THAT IS REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED IN KIND.
8. ALL DISTURBED AREAS THAT ARE NOT OTHERWISE COVERED OR LANDSCAPED SHALL BE HYDROSEEDED PER THE SPECIFICATIONS.
9. ALL DISTURBED SITES SHALL BE RAKED SMOOTH AND ALL SURFACE DEBRIS AND ROCKS GREATER THAN 3" SHALL BE REMOVED PRIOR TO HYDROSEEDING.

ADA NOTES

1. ALL SITE WORK SHALL BE IN CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE AND WITH THE AMERICANS WITH DISABILITIES ACT.
2. CURB RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33%).
3. RAMPS TO BUILDINGS SHALL NOT EXCEED A SLOPE OF 1:20 (5%) UNLESS RAILINGS ARE SHOWN ON ARCHITECTURAL PLANS, IN WHICH CASE THE SLOPE SHALL NOT EXCEED 1:12 (8.33%).
4. A 2% MAXIMUM SLOPE LANDING SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS, THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPENS ONTO THE LANDING. LANDINGS SHALL HAVE A MINIMUM OF 24" STRIKESIDE CLEARANCE.
5. RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5%) AND 1:12 (8.33%), AND SHALL HAVE A MINIMUM WIDTH OF 48" AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 2'-6" VERTICAL SHALL HAVE INTERMEDIATE (2% MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72". RAMPS FINISH SHALL BE STABLE, FIRM, SLIP-RESISTANT, CONTAIN A 12 INCH WIDE CONTINUOUS GROOVED BORDER ALONG THE TOP EDGE, AND HAVE A DETECTABLE WARNING SURFACE AT THE BASE OF THE RAMP.
6. MAXIMUM CROSS SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2%. MAXIMUM SLOPE WITHIN PARKING STALLS DESIGNATED AS ACCESSIBLE PARKING SHALL BE 2% IN ANY DIRECTION.
7. ALL SIDEWALKS SHALL HAVE A 4' MINIMUM CLEAR WIDTH FOR ACCESSIBLE CONFORMANCE.
8. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ALONG WALKWAYS AND AT RAMPS PER ADA STANDARDS.
9. PROVIDE 80" OVERHEAD CLEARANCE AT WALKWAYS.
10. RAMP FINISH SHALL BE STABLE, FIRM, AND SLIP-RESISTANT PER ADA STANDARDS.

SURVEY NOTES

1. ORIGINAL TOPOGRAPHIC SURVEY WAS PERFORMED BY LACO ASSOCIATES, DATED MARCH, 2018 AND POINTS WEST SURVEYING IN APRIL 2023, AND OCTOBER, 2023.
2. HORIZONTAL CONTROL IS CCS83 (2011) CALIFORNIA STATE PLANE ZONE 1, 2010 EPOCH.. VERTICAL CONTROL IS NORTH AMERICAN VERTICAL DATUM 1988.
3. SEE SHEET CD-101 FOR SURVEY CONTROL POINTS.
4. TEMPORARY FACILITIES ARE BASED ON ESTIMATES GIVEN AT THE TIME OF DESIGN AND MAY VARY FROM FIELD CONDITIONS
5. THE PURPOSE OF THIS SURVEY IS DETERMINE TOPOGRAPHY ON THE EXISTING FOOTBALL FIELD AND TRACK AT THE COLLEGE OF THE REDWOODS EUREKA CAMPUS. FIELD SURVEYS WERE PERFORMED IN APRIL AND OCTOBER 2023.
6. HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT IS BASED ON CONTROL ESTABLISHED BY LACO ASSOCIATES IN MARCH 2018 PER DATA PROVIDED TO POINTS WEST SURVEYING (PWS). THIS CONTROL WAS PROVIDED FOR USE BY PWS IN AUGUST 2020 AS PART OF A TOPOGRAPHIC SURVEY VERIFICATION PROJECT FOR GHD. HORIZONTAL DATUM IS CCS83, STATE PLANE, ZONE 1, 2010 EPOCH. COMBINED SCALE FACTOR PROVIDED PER THE LACO SURVEY IS 0.99990172. THE FILE CONTAINS GRID DISTANCES. ELEVATIONS SHOWN HEREON ARE NAVD88 ELEVATIONS BASED ON THE SAME LACO CONTROL SURVEY.
7. TRACK STRIPING IS APPROXIMATE AND WAS NOT LOCATED BY SURVEY. STRIPING SHOWN HEREON IS BASED ON 3.5' LANE WIDTH MEASURED IN FIELD. TRACK HAS 8 LANES AS SHOWN HEREON.
8. FLAGS SHOWN WITHIN THE FOOTBALL FIELD ARE LOCATION OF EXISTING SPRINKLERS PER CONVERSATION WITH SEAN PATTON, HEAD GARDENER. ROUTING OF SPRINKLER SYSTEM PIPING IS UNKNOWN.
9. EXISTING FOOTBALL FIELD DOES NOT HAVE ANY UNDERDRAIN OR SUBDRAIN SYSTEM PER SEAN PATTON. DRAINAGE IS BASED ON CROWNED FIELD SHAPE AS SHOWN BY CONTOURS HEREON WHICH THEN DRAINS INTO CONCRETE TRENCH DRAINS ON SIDES OF FIELD.
10. UTILITY ROUTING SHOWN HEREON IS BASED ON A COMBINATION OF VISIBLE APPURTENANCES LOCATED IN THE FIELD, UTILITY MAPPING AND PLANS FOUND DURING RESEARCH AT THE CAMPUS PLAN ROOM, AND A SITE WALKTHROUGH WITH SEAN PATTON, HEAD GARDENER. ROUTING SHOWN HEREON IS THE BEST INTERPRETATION BY PWS AND SHOULD BE VERIFIED PRIOR TO GROUND DISTURBANCE OR CONSTRUCTION. SEE UNDERGROUND UTILITY NOTE HEREON.
11. STORM DRAIN ROUTING IS BASED ON FIELD INVESTIGATION. RESEARCH AT CAMPUS PLAN ROOM FOUND A STORM DRAINAGE MASTER PLAN BY LACO ASSOCIATES. THIS SURVEY FOUND DIFFERENCES WITH INFORMATION SHOWN ON THAT PLAN, SPECIFICALLY THE ROUTING OF THE POND OVERFLOW INTO THE STORM DRAINAGE SYSTEM AND THE ROUTING OF THE STORM DRAIN SHOWN UNDER THE CHILD DEVELOPMENT CENTER. NO INFORMATION COULD BE FOUND FOR THE STORM DRAINAGE SYSTEM ALONG THE NORTH SIDE OF THE CONCRETE/ROCK WALL ON THE SOUTH SIDE OF THE PROJECT SITE.
12. ELECTRIC ROUTING IS APPROXIMATE AND IS BASED ON SEVERAL SCHEMATIC PLANS FOUND IN CAMPUS PLAN ROOM. SURVEYOR BELIEVES THAT DUAL BOXES ALONG NORTH SIDE OF TRACK ARE PROBABLY ELECTRIC AND COMMUNICATION IN PARALLEL TRENCHES. THESE SYSTEMS SHOULD BE INVESTIGATED PRIOR TO ANY WORK.
13. TREES SHOWN HEREON WERE LOCATED AT AND DIAMETERS GIVEN AT APPROXIMATE BREAST HEIGHT. ONLY CONIFEROUS TREES WERE LOCATED ALONG THE POND EDGE ON THE EASTERN PORTION OF THE SITE. THE DECIDUOUS TREES IN THIS AREA, ESPECIALLY THE ALDERS, GROW IN MULTIPLE DIRECTIONS HORIZONTAL AND VERTICAL. THIS SURVEY DOES NOT SHOW THESE TREES. DECIDUOUS TREES WERE LOCATED ALONG THE DRAINAGE CHANNEL SHOWN ON SHEET 2 (TO THE NORTH).

UTILITY NOTES

1. LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM RECORD DRAWINGS AND INTERPOLATION OF PHYSICAL EVIDENCE ON THE SITE AND ARE SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR. SEE GENERAL SITE NOTES 1 AND 2. SEE UTILITY LOCATING AND MAPPING SPECIFICATIONS.
2. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION UNDER THIS SECTION OR ANY OTHER SECTION.
3. THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, OR FITTING REQUIRED TO COMPLETE THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND WORKING SYSTEM.
4. CONTRACTOR SHALL COORDINATE WITH USA NORTH (811) 72 HOURS MINIMUM PRIOR TO BEGINNING ANY UTILITY CONSTRUCTION. CONTRACTOR SHALL COORDINATE THE UTILITY LOCATE WITH THE OWNER FOR ALL UTILITY WORK. CONTRACTOR TO NOTE THAT CAMPUS OWNED UTILITIES WILL NOT BE MARKED VIA A USA LOCATE. CONTRACTOR TO EMPLOY THEIR OWN UTILITY LOCATING TECHNIQUES ALONG ALL PROPOSED ROUTES OF NEW UTILITIES AND TO MARK ALL CAMPUS OWNED UTILITIES AFFECTED BY CONTRACTORS WORK. CONTRACTOR SHALL SETUP PRE-CONSTRUCTION MEETING WITH USA NORTH WHEN CONSTRUCTING WITHIN 10' OF A HIGH PRIORITY UTILITY PER USA NORTH REQUIREMENTS INFORM OWNER IMMEDIATELY IF LOCATE INDICATES THAT EXISTING UTILITIES ARE DIFFERENT THAN SHOWN ON DRAWINGS.
5. CONTRACTOR IS RESPONSIBLE FOR POTHOLING ALONG THE ALIGNMENTS OF ALL NEW UTILITIES TO IDENTIFY POTENTIAL UTILITY CONFLICTS, SOILS CONDITIONS, AND TIE-IN POINTS. CONTRACTOR RESPONSIBLE FOR MAKING ADJUSTMENTS IN ALIGNMENTS TO ACCOMMODATE ACTUAL FIELD CONDITIONS.
6. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, FEATURES, AND STRUCTURES LOCATED ON THE SITE. LOCATE, PROTECT, AND AVOID DISRUPTION OF ALL ABOVE AND BELOW GRADE UTILITIES DURING CONSTRUCTION.
7. ALL UTILITY CONSTRUCTION OUTSIDE OF THE RIGHT-OF-WAYS SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA PLUMBING CODE (CPC). ALL UTILITY CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL CONFORM TO THE COLLEGE OF THE REDWOODS STANDARDS.
8. ALL BURIED LINES TO HAVE 36 INCHES MINIMUM COVER, UNLESS NOTED OTHERWISE.
9. APPROXIMATE BUILDING UTILITY CONNECTIONS ARE SHOWN ON SITE DRAWINGS WHERE FOUND. COMPLETENESS OF BUILDING CONNECTIVITY IS NOT GUARANTEED. CONTRACTOR SHALL LOCATE UTILITY CONNECTIONS TO BUILDINGS. CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPING, FITTINGS, AND APPURTENANCES REQUIRED TO ENSURE THAT BUILDING CONNECTIVITY REMAINS INTACT. REFER TO BUILDING DRAWINGS FOR CONTINUATION OF UTILITY LINES INTO BUILDING.
10. CONTRACTOR TO VERIFY CONNECTIVITY OF UTILITY NETWORK PRIOR TO REPLACEMENT, ABANDONMENT, OR DEMOLITION OF EXISTING UTILITY. CONTRACTOR TO CONFIRM CONNECTIVITY OF NEW UTILITY PRIOR TO COMPLETING WORK.
11. THRUST BLOCKING REQUIRED ON ALL PRESSURE LINES BENDS AND FITTINGS. SEE STANDARD THRUST BLOCKING DETAIL. RESTRAINED FITTINGS MAY BE USED AS AN ALTERNATIVE WHEN INSTALLED ON FITTINGS AND LINES PER MANUFACTURER REQUIREMENTS TO ACHIEVE PROPER RESTRAINT OF THE OVERALL PIPING SYSTEM WITH THE EXCEPTION OF FIRE HYDRANTS WHICH MUST HAVE THRUST BLOCKS PER THE DETAIL.
12. ALL EXISTING UTILITIES AND TIE-IN POINTS SHOULD BE CONSIDERED ACTIVE UTILITIES UNLESS OTHERWISE INDICATED.
13. CONFIRM FIRE HYDRANT TYPE, NOZZLE SIZES, AND THREAD CONFIGURATIONS SHALL MATCH OTHER HYDRANTS ON CAMPUS.
13. CONFIRM ALL UTILITY VALVE VAULTS, VALVES, METERS, BACKFLOW PREVENTION ASSEMBLIES, AND OTHER UTILITY APPURTENANCES WITH THE OWNER.
14. CONTRACTOR MAY PROPOSE HORIZONTAL DIRECTIONAL DRILLING ALIGNMENT ALTERNATIVES. CONTRACTOR SHALL COORDINATE WITH OWNER FOR ALL DESIGN ALTERNATIVES.
15. PACIFIC GAS AND ELECTRIC UTILITY LOCATIONS ARE APPROXIMATE. ANY PG & E UTILITY VERIFICATION IS TO BE LIMITED TO HAND TOOLS AND MUST BE COORDINATED WITH PG & E PRIOR TO ANY EXCAVATION. ANY ADJUSTMENT AND / OR CORRECTION TO ANY UTILITY WORK SHOWN ON THESE PLANS THAT AFFECTS A PG & E UTILITY MUST BE COORDINATED WITH PG & E. SEE GENERAL SITE NOTES 1 & 2.
16. CONTRACTOR MAINTAIN OVERALL CAMPUS UTILITY CONNECTIVITY AFTER DEMOLITION OF BUILDS AND UTILITIES SHOWN ON THE PLANS TO BE REMOVED. CONTRACTOR TO TEST UTILITIES AND VERIFY CONNECTIVITY AND INSTALL LINE CAPS AND INTERCONNECTIONS AS NECESSARY TO MAINTAIN UTILITY CONNECTIVITY TO REMAINING AREAS OF CAMPUS.

IRRIGATION SYSTEM NOTES

1. NOT ALL EXISTING IRRIGATION LINES AND ELECTRICAL AND CONTROLS FOR IRRIGATION SYSTEMS ARE SHOWN ON THE PLANS.
2. CONTRACTOR IS RESPONSIBLE FOR LOCATING, REROUTING, REPLACING, AND REPAIRING ANY IRRIGATION LINES DAMAGED DURING CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE WITH OWNER TO RELOCATE IRRIGATION LINES FOUND TO BE IN CONFLICT WITH NEW UTILITY CONSTRUCTION. THE COST OF IDENTIFYING, LOCATING, RELOCATING, REROUTING, REPAIRING, OR REPLACING IRRIGATION EQUIPMENT IS CONSIDERED INCIDENTAL TO THE OVERALL PROJECT AND THE COST SHALL BE INCLUDED IN CONTRACTOR'S BID FOR THE WORK THAT AFFECTS IRRIGATION.
4. CONTRACTOR IS RESPONSIBLE FOR RECONNECTING THE EXISTING IRRIGATION SYSTEM TO NEW WATER DISTRIBUTION SYSTEM, UNLESS NOTED OTHERWISE. CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPING, FITTINGS, AND APPURTENANCES REQUIRED TO RECONNECT EXISTING IRRIGATION SYSTEM.
5. EXISTING IRRIGATION SYSTEMS ARE GENERALLY NOT SHOWN. CONTRACTOR SHALL ASSUME ALL EXISTING TURF AND LANDSCAPED AREAS HAVE IRRIGATION SYSTEMS WHICH SHALL BE REPAIRED OR MODIFIED AS REQUIRED AT CONTRACTOR'S EXPENSE TO ACCOMMODATE OTHER REQUIRED IMPROVEMENTS.
6. THE LOCATION OF THE IRRIGATION SYSTEMS IN THE VICINITY OF THE WORK ARE UNKNOWN. CONTRACTOR TO REPAIR AND RECONNECT IRRIGATION SYSTEMS TO REMAIN. CONTRACTOR TO COORDINATE WITH CAMPUS STAFF.

COLLEGE OF THE REDWOODS GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PROJECTS STANDARD DETAILS, TECHNICAL SPECIFICATIONS, AND GENERAL REQUIREMENTS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITH THE APPROPRIATE UTILITY AGENCIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY. CONTACT UNDERGROUND SERVICE ALERT (USA) AT 800-227-2600.
3. ALL SIDEWALK, CURB, AND GUTTER SHALL BE REMOVED AND REPLACED TO THE NEAREST SCORE MARK OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. INSTALLATION OF NEW SIDEWALK, CURB, AND GUTTER AGAINST EXISTING IMPROVEMENTS SHALL REQUIRE A SIDEWALK CONTACT JOINT (DOWELS REQUIRED).
4. UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE IN THE FIELD: AT EACH LOCATION WHERE NEW CURB/GUTTER IS TO BE PROVIDED ON AN EXISTING STREET (DRIVEWAY INSTALLATION, DRIVEWAY ABANDONMENT, CURB RAMP INSTALLATION, CURB FACE DRAINAGE INSTALLATION, ETC.) PAVEMENT RECONSTRUCTION SHALL BE REQUIRED. AN 18-INCH WIDE BAND OF PAVEMENT SHALL BE REMOVED AND REPLACED ALONG THE ENTIRE LENGTH OF CURB/GUTTER INSTALLATION. REMOVAL (SAW CUTS REQUIRED) SHALL BE TO THE BASE MATERIAL ON STREET WITH A.C. OR P.C.C. PAVEMENT FOUR (4) INCHES OR LESS IN THICKNESS. REMOVAL DEPTH SHALL BE TWO INCHES MINIMUM ON STREETS WITH A.C. (GRIND) / P.C.C. (SAW CUT) PAVEMENT THICKNESS GREATER THAN FOUR (4) INCHES. REPLACE WITH A.C. PAVEMENT.
5. BLACK SAND SLURRY SEAL SHALL BE REQUIRED ON ALL NEW STREET PAVEMENT FOR TRENCH WORK, POTHOLES, AND STREET WIDENING. SLURRY SEAL SHALL EXTEND TWELVE INCHES BEYOND THE LIMIT OF PAVEMENT RECONSTRUCTION.
6. THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING AT LEAST 72 HOURS IN ADVANCE OF THE START OF CONSTRUCTION IN ANY NEW AREAS.
7. ALL MANHOLES, VALVE BOXES, MONUMENT BOXES, AND OTHER STRUCTURES IN THE PAVEMENT AREA SHALL BE ADJUSTED TO FINISH GRADE BEFORE PAVING FINAL LIFT.
8. GRADE BREAKS ON CURBS AND SIDEWALKS ARE TO BE ROUNDED OFF ON FORM WORK AND FINISHED SURFACING.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ALL SURVEY MONUMENTS OR CORNER PIPES DISTURBED DURING THE PROCESS OF CONSTRUCTION. IF A MONUMENT HAS THE POTENTIAL OF BEING DISTURBED, A CORNER RECORD SHALL BE FILED WITH THE COUNTY SURVEYOR (PER SECTION 8773.2 OF THE PUBLIC LAND SURVEYORS ACT) AS REQUIRED BY THE SUBDIVISION MAP ACT TO PRESERVE THE LOCATION OF SAID MONUMENT. CONTRACTOR SHALL, AT HIS/HER EXPENSE, HIRE A CIVIL ENGINEER OR LAND SURVEYOR TO PERFORM THE WORK.
10. ALL SURPLUS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM PROJECT SITE AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE INCLUDING VEGETATION, SOILS, DEBRIS, AND MATERIALS.
11. CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL AND KEEP MUD AND DEBRIS OFF THE CAMPUS AND PUBLIC ROADS AT ALL TIMES.
12. ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE APPLICABLE SECTIONS OF CALIFORNIA AND FEDERAL O.S.H.A. REQUIREMENTS AND OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHORING DESIGN AND INSTALLATION.
13. EXISTING UTILITIES SHOWN ARE BASED UPON RECORD INFORMATION AND ARE APPROXIMATE IN LOCATION AND DEPTH. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES THAT MAY BE AFFECTED BY NEW FACILITIES IN THIS CONTRACT, VERIFY ACTUAL LOCATION AND DEPTH, AND REPORT POTENTIAL CONFLICTS TO THE ENGINEER PRIOR TO EXCAVATING FOR NEW FACILITIES.
14. CONTRACTOR SHALL PERFORM CONSTRUCTION AND OPERATION IN A MANNER WHICH WILL NOT ALLOW HARMFUL POLLUTANTS TO ENTER THE STORM DRAIN SYSTEM. TO ENSURE COMPLIANCE, THE CONTRACTOR SHALL IMPLEMENT THE APPROPRIATE BEST MANAGEMENT PRACTICE (BMP) TO SUIT THE CONSTRUCTION SITE AND JOB CONDITION.
15. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT IN THE PUBLIC RIGHT-OF-WAY SHALL NOT BE PERMITTED. CONTRACTOR SHALL USE DESIGNATED STAGING AREAS AND ANY OTHER AREAS AS AGREED TO IN WRITING BY OWNER'S REPRESENTATIVE.
16. ANY EXISTING UTILITIES TO BE REPLACED, EXCEPT THOSE SPECIFICALLY NOTED IN THE PLANS TO BE ABANDONED IN PLACE, SHALL BE EXCAVATED, REMOVED, PROPERLY DISPOSED OF OFFSITE, AND TRENCH BACKFILLED AND COMPACTED TO 95% MINIMUM COMPACTION. ANY UTILITIES TO BE ABANDONED IN PLACE SHALL BE FILLED WITH SAND OR CONTROL DENSITY FILL (CDF) AND PLUGGED AT EACH END WITH A 6" THICK WALL OF CLASS "A" P.C.C.
17. UNLESS OTHERWISE NOTED, CLASS 2 A.B. UNDER CURB, GUTTER, AND STREET SECTIONS PAVED WITH ASPHALT CONCRETE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION (MINIMUM).

HAZARDOUS MATERIAL NOTES

1. SOME EXISTING PIPE MAY BE ASBESTOS CEMENT. CONTRACTOR TO PROPERLY HANDLE AND DISPOSE.
2. SEE SPECIFICATIONS FOR HAZMAT ABATEMENT PRIOR TO DEMOLITION.

EXCESS SOIL AND WASTE DISPOSAL

1. EXCESS CLEAN SOILS SHALL BE STOCKPILED IN THE SOIL STOCKPILE AREA SHOWN ON THE PLANS. EXCESS, CONCRETE, ASPHALT, VEGETATION, DEBRIS, AND OTHER WASTES SHALL BE DISPOSED APPROPRIATELY OFF SITE.

SURFACE RESTORATION

1. IN ADDITION TO UTILITY AND VEGETATION RESTORATION, CONTRACTOR TO RESTORE SIDEWALKS, CURBS, PAVING, SLABS, STRIPING, SIGNAGE, AND OTHER SURFACE FEATURES TO PRE-PROJECT CONDITIONS.
2. NOT ALL SURFACE RESTORATION REQUIREMENTS SHOWN. CONTRACTOR TO ASSESS PRIOR TO BIDDING AND INCLUDE THE COST OF RESTORATION IN THE BID ITEMS AFFECTING SURFACE FEATURES.

GEOTECHNICAL NOTES

1. THE DESIGN OF PROJECT WAS BASED ON FOLLOWING GEOTECHNICAL REPORTS:

1.1. GEOTECHNICAL AND GEOLOGIC HAZARD EVALUATION REPORT - NEW GYMNASIUM - LACO ASSOCIATES, MAY 1, 2020.

1.2. GEOTECHNICAL AND GEOLOGIC HAZARD EVALUATION REPORT - NEW FIELDHOUSE - LACO ASSOCIATES, DECEMBER 30, 2020.

1.3. ENGINEERING GEOLOGY AND SEISMOLOGY REVIEW FOR COLLEGE OF THE REDWOODS - NEW GYMNASIUM - LETTER FROM CALIFORNIA GEOLOGICAL SURVEY - JULY 28, 2020

1.4. ENGINEERING GEOLOGY AND SEISMOLOGY REVIEW FOR COLLEGE OF THE REDWOODS - NEW GYMNASIUM - LETTER FROM CALIFORNIA GEOLOGICAL SURVEY - FEBRUARY 11, 2021

1.5. GEOTECHNICAL AND GEOLOGIC HAZARD EVALUATION REPORT, NEW FIELDHOUSE BUILDING RETAINING WALLS, COLLEGE OF THE REDWOODS, OCTOBER 24, 2022 - NOVEMBER 9, 2022

1.6. ADDENDUM TO GEOTECHNICAL AND GEOLOGIC HAZARD EVALUATION REPORT, NEW FIELDHOUSE BUILDING RETAINING WALLS, COLLEGE OF THE REDWOODS - DECEMBER 01, 2022

1.7. GEOTECHNICAL PEER REVIEW MEMORANDUM - P.E. COMPLEX PROJECT, FIELDHOUSE SOLDIER PILE WALL, COLLEGE OF THE REDWOODS, HUMBOLDT COUNTY, CA - JANUARY 13, 2023

1.8. LACO RESPONSE TO THE CGS LETTER DATED JANUARY 13, 2022, REGARDING THIRD ENGINEERING GEOLOGY AND SEISMOLOGY REVIEW FOR COLLEGE OF THE REDWOODS – FIELDHOUSE RETAINING WALLS 7351 TOMPKINS HILL ROAD, EUREKA, CA. CGS APPLICATION NO. 01-CGS5316 COMMENTS - MARCH 13, 2023

CONSTRUCTION SEQUENCING NOTES

1. NOTE: CONTRACTOR TO MAINTAIN A FUNCTIONING CAMPUS UTILITY SYSTEM AT ALL TIMES.
2. ALL UTILITY INTERRUPTIONS AND CUTOVERS SHALL BE COORDINATED WITH THE OWNER AND SHALL TAKE PLACE WHEN CLASSES ARE NOT IN SESSION.

ITEMS TO BE PROVIDED BY CONTRACTOR

1. UNLESS SPECIFICALLY NOTED OTHERWISE, CONTRACTOR SHALL FURNIISH AND INSTALL ALL NEW ITEMS.
2. UNLESS SPECIFICALLY NOTED OTHERWISE THE TERM "PROVIDE" SHALL MEAN CONTRACTOR TO FURNISH AND INSTALL.

GENERAL NOTES

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COLLEGE OF THE REDWOODS

REDWOODS COMMUNITY COLLEGE DISTRICT

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owner

tBP project number: 22079.00

file name: 12609766-C-001_CIVIL NOTES

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ABBREVIATIONS

A B	ANCHOR BOLT
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ADA	AMERICANS WITH DISABILITIES ACT of 1990
AGG	AGGREGATE
ARV	AIR VACUUM RELEASE VALVE
AVE	AVENUE
AWWA	AMERICAN WATER WORKS ASSOCIATION
B-	BORING
BC	BEGIN CURVE
BF	BLIND FLANGE
BFP	BACK FLOW PREVENTER
BM	BENCH MARK
BMP /s	BEST MANAGEMENT PRACTICE / S
BLDG	BUILDING
BLVD	BOULEVARD
BO	BLOW OFF
BOT	BOTTOM
BVC	BEGIN VERTICAL CURVE
C	CONDUIT
CB	CATCH BASIN
CBC	CALIFORNIA BUILDING CODE
CI	CAST IRON
CL	CENTERLINE
CLR	CLEAR, CLEARANCE
CO	CLEAN OUT
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
CONT'D	CONTINUED
COR	CORNER
CP	CENTRAL PLANT
CU	CUBIC
CV	CHECK VALVE
d	PENNY (NAIL SIZE)
DIA, Ø	DIAMETER
DTL	DETAIL
DI	DROP (DRAINAGE) INLET
DF	DOUGLAS FIR
DR	DRIVE
DW	DOMESTIC WATER LINE
DWG	DRAWING
(E)	EXISTING
E	EAST, OR EASTING
EA	EACH
EC	END CURVE
EF	EACH FACE
EG	EXISTING GRADE
EP	EDGE PAVEMENT
EQ	EQUAL
ER	EDGE ROAD
EL/ELEV	ELEVATION
ELEC	ELECTRIC, OR ELECTRICAL
ENGR	ENGINEER
EVC	END VERTICAL CURVE
EW	EACH WAY
FDC	FIRE DEPARTMENT CONNECTION
FIN	FINISH
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FLR	FLOOR
FM	FORCE MAIN
FO	FIBER OPTIC
FP	FIRE PROTECTION
FS	FINISHED SURFACE
FT	FOOT, OR FEET
FTG	FOOTING
G	GAS LINE
GAL	GALLON
GALV	GALVANIZED
GR	GRADE
GRD	GROUND
GV	GATE VALVE
HB	HOSE BIBB
HCSD	HUMBOLDT COMMUNITY SERVICES DISTRICT
HDPE	HIGH-DENSITY POLYETHYLENE
HORZ	HORIZONTAL
HPG	HIGH PRESSURE GAS
HPNG	HIGH PRESSURE NATURAL GAS
HPS	HIGH PRESSURE SODIUM
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HWY	HIGHWAY
IE	INVERT ELEVATION
INV	INVERT
IP	IRON PIPE
IRR	IRRIGATION
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY
JCT	JUNCTION
JP	JUNCTION POLE (UTILITY)
L	LENGTH
LAT	LATERAL
LF	LINEAR FEET
LS	LIFT STATION
LT	LEFT
M	METER
MAX	MAXIMUM
MFR	MANUFACTURER
MG	MILLION GALLON
MH	MANHOLE
MIN	MINIMUM
MPG	MEDIUM PRESSURE GAS
MISC	MISCELLANEOUS
N	NORTH
(N)	NEW - CONTRACTOR TO FURNISH & INSTALL
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTERS
OPNG	OPENING
PC	POINT OF CURVATURE
PCC	PORTLAND CONCRETE CEMENT
PE	POLYETHYLENE
PG&E, PGE	PACIFIC GAS AND ELECTRIC
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PL	PLATE
PLCS	PLACES
PLWD	PLYWOOD
POC	POINT OF CONNECTION
PP	POWER POLE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PT	POINT
PT	POINT OF TANGENCY
PT	PRESSURE TREATED
PVC	POLYVINYL CHLORIDE PLASTIC PIPE
R	RADIUS
RC	RELATIVE COMPACTION
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDWD	REDWOOD
REQ'D	REQUIRED
REQT	REQUIREMENT
RPP	REDUCED PRESSURE PRINCIPAL
RT	RIGHT
R/W	RIGHT OF WAY
S	SLOPE
SAT	SATURATED
SCH, OR	
SCHED	SCHEDULE
SD	STORM DRAIN
SDCO	STORM DRAIN CLEAN OUT
SDMH	STORM DRAIN MANHOLE
SDCB	STORM DRAIN CATCH BASIN
SHT	SHEET
SIM	SIMILAR
SO	SOUTH
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEAN OUT
SSFM	SANITARY SEWER FORCE MAIN
SSMH	SANITARY SEWER MANHOLE
SSTL	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
TC	TOP OF CURB
TEL	TELEPHONE
THK	THICK
TG	TOP OF GRATE
TP	TEST PIT, SEE GEOTECHNICAL DOCUMENTATION
TS	TOP OF SLAB
TW	TOP OF WALL
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UNO	UNLESS NOTED OTHERWISE
UP	UTILITY POLE
V	VOLT(S)
VERT	VERTICAL
W/	WITH
W	WATER
WD	WIDE
XING	CROSSING
YD	YARD
&	AND
@	AT
°	DEGREE
Ø	DIAMETER
'	FEET
"	INCHES
#	NUMBER
±	PLUS OR MINUS

NOTE:
CONTACT ENGINEER FOR ABBREVIATIONS NOT LISTED.

PLAN SYMBOLS

NEW	EXISTING	
		CURB & GUTTER
		CONCRETE CURB
		EDGE OF ROADWAY
		EDGE OF GRAVEL
	OH	OVERHEAD WIRES
	OHE	OVERHEAD ELECTRIC WIRES
	OHT	OVERHEAD TELEPHONE WIRES
	E	UNDERGROUND ELECTRIC LINE
	SL	STREET LIGHT CONDUIT
HW	HW	HOT WATER LINE
G	G	GAS LINE
	PGE HPG	PG&E HIGH PRESSURE GAS
	PGE MPG	PG&E MEDIUM PRESSURE GAS
SS	SS	SANITARY SEWER LINE
SSFM	SSFM	SANITARY SEWER FORCE MAIN
	SA	SANITARY SEWER TO BE ABANDONED
	SS	SANITARY SEWER TO BE DEMOLISHED
SD	SD	STORM DRAIN LINE
	T	TELEPHONE LINE
	TC	TELECOMMUNICATIONS
	L	LIGHTING CONDUIT
	TV	TELEVISION LINE
W	W	DOMESTIC WATER LINE
	WA	WATER LINE TO ABANDONED
	W	WATER LINE TO BE DEMOLISHED
FW	FW	FIRE WATER MAIN
IRR	IRR	IRRIGATION LINE
		TRENCH DRAIN
x x	x x x	CHAIN LINK FENCE
		FLOW LINE
40	40	CONTOUR ELEVATION LINE
		CENTER LINE
		PROPERTY LINE
	12" ALDER	TREE OR VEGETATION
		EASEMENT LINE
		SWALE
		LIMITS OF CONSTRUCTION
		VALLEY GUTTER
		TOE OF SLOPE/GRADE BREAK
		TOP OF SLOPE
		EDGE OF DENSE VEGETATION
D D	D	DRAIN LINE

NEW	EXISTING	
TC 24.52		FINISH GRADE
2.0%	2.0%	SURFACE DRAINAGE SLOPE
x 95.94	x 95.94	SPOT ELEVATION
IRR	IRRCV	IRRIGATION CONTROL VALVE
		IRRIGATION VALVE
G	GM	GAS METER
G	GV	GAS VALVE
	WM	WATER METER
	WV	WATER VALVE
		WATER REDUCER
W	W	WATER METER
		HOSE BIBB
	HY	FIRE HYDRANT
		FIRE DEPARTMENT CONNECTION
		WATER TAPPING SADDLE
S	S	SANITARY SEWER MANHOLE
SSCO	SSCO	SANITARY SEWER CLEANOUT
	SV	SEWER VENT
	D	STORM DRAIN MANHOLE
	CB	CATCH BASIN
		BEEHIVE STYLE DROP INLET
		DRAINAGE INLET
SDCO	SDCO	STORM DRAIN CLEANOUT
		ELECTRIC VAULT COVER
		ELECTRIC PULLBOX
	T	TELEPHONE PULLBOX
	HVE	HIGH VOLTAGE ELECTRIC
	T	TELEPHONE MANHOLE
		POWER POLE
	GUY	GUY WIRE & ANCHOR
	(2)R	JOINT POLE WITH (2) RISERS
		JOINT POLE
		STREET LIGHT
		ELECTROLIER
		PEDESTRIAN LIGHT
		PEDESTRIAN PUSH BUTTON
	SL	STREET LIGHT PULLBOX
		SIGN (AS NOTED)
		CALTRANS TYPE G1 DROP INLET
		ROOF DRAIN
		TYPICAL INLET
		HDPE OUTLET

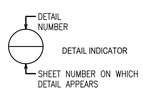
NOTE: NOT ALL ITEMS ON LEGEND ARE SHOWN, DEFER TO OTHER SUBSETS FOR SPECIFIC CONSTRUCTION LEGEND(S)

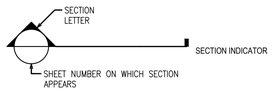
CIVIL SHEET INDEX

GENERAL SHEET SYMBOLS

KEYNOTE

DEMOLITION NOTE





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CIVIL LEGEND, ABBREVIATIONS, AND SYMBOLS

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SURVEY CONTROL				
P#	NORTHING	EASTING	ELEVATION	DESCRIPTION
212	2144349.084	5953316.790	68.26	CP_SPK
253	2144261.910	5953448.132	57.23	CP_MAG
254	2144300.835	5953241.545	57.63	CP_MAG
255	2144161.879	5953062.267	58.91	CP_SPK
256	2144035.252	5952877.004	62.61	CP_MAG
257	2144275.432	5952887.517	52.78	CP_MAG
258	2144143.835	5953388.096	59.27	CP_SPK
262	2144396.064	5953262.094	56.52	CP_SPK
263	2143988.409	5953503.100	57.89	CP_MAG
264	2144389.623	5953261.713	57.49	CP_MAG
265	2144315.903	5953009.339	57.03	CP_MAG
266	2144404.391	5953109.871	52.40	CP_MAG
267	2144392.150	5953465.298	59.42	CP_MAG
268	2144515.710	5953212.287	51.31	CP_SPK

SHEET LEGEND

- EXTENTS OF COMPLETE FLATWORK DEMOLITION. FLATWORK SHALL INCLUDE RUBBERIZED SURFACES FOR DEMOLITION PURPOSES.
- RELOCATION AREA
- DEMOLISH AND REMOVE EXISTING UTILITY LINE AS NOTED
- VEGETATION REMOVAL
- SAWCUT LIMITS
- WALL DEMOLITION LIMITS
- EXISTING STUMP & ROOTBALL TO BE REMOVED. DIAMETER PER PLAN.

SHEET GENERAL NOTES

1. LOCATION OF (E) UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE AT THE TIME OF DESIGN. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY THE OWNER AND UNDERGROUND SERVICES ALERT NORTH AT 811 A MINIMUM OF 72 HOURS PRIOR TO ANY EXCAVATION AND SHALL POTHOLE FOR THE EXACT LOCATION OF IDENTIFIED UTILITIES. CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UTILITIES.
2. UNLESS NOTED OTHERWISE, CONTRACTOR TO DEMOLISH AND REMOVE ALL SITEWORK, BUILDINGS, FOOTINGS, WALKWAYS, STAIRS, RETAINING WALLS, UTILITIES, ETC. AS REQUIRED TO CONSTRUCT NEW IMPROVEMENTS. CONTRACTOR TO HYDROSEED, APPLY STRAW MULCH, AND TO INSTALL WATTLES AND OTHER BMP'S AS REQUIRED.
3. CONTRACTOR RESPONSIBLE FOR PROPER DISPOSAL OF ALL DEMOLISHED MATERIALS, WASTE PRODUCTS, AND OTHER DEBRIS ENCOUNTERED DURING CONSTRUCTION.
4. AREAS OUTSIDE OF HATCHING TO BE PRESERVED UNLESS NOTED OTHERWISE.
5. ALL APPURTENANCES AND STRUCTURES INTENDED FOR PROTECTION SHALL BE RAISED TO THE GRADES SET IN THE GRADING PLANS.
6. STRIP SOD FROM (E) FIELD AND OTHER CLEARED AREAS AND STOCKPILE AS SHOWN ON FIELD AND TRACK PLANS.

SHEET KEYNOTES

1. (E) LIGHT FIXTURE AND/OR ASSOCIATED ELECTRICAL EQUIPMENT - SEE ELECTRICAL PLANS FOR DEMOLITION AND SALVAGE DETAILS
2. (E) IRRIGATION, CUT AND CAP IRRIGATION LINES AT CONSTRUCTION LIMITS AS REQUIRED (NOT ALL IRRIGATION SHOWN); CONTRACTOR TO MAKE REQUIRED MODIFICATIONS TO ENSURE THAT REMAINING IRRIGATION SYSTEMS REMAIN OPERATIONAL
3. (E) STORM DRAIN INLET TO BE DEMOLISHED
4. (E) STORM DRAIN LINE TO BE DEMOLISHED AND REMOVED
5. (E) 14" WATER LINE TO BE DEMOLISHED TO EXTENTS SHOWN
6. (E) WATER VALVES TO BE DEMOLISHED. CONTRACTOR SHALL SALVAGE VALVES AND RETURN TO OWNER
7. (E) AIR RELEASE VALVE TO BE RELOCATED - SEE UTILITY PLANS FOR RELOCATION
8. DEMOLISH (E) CONCRETE SWALE
9. DEMOLISH (E) STRUCTURE
10. DEMOLISH (E) WALL
11. DEMOLISH (E) STAIRS AND RAILINGS
12. DEMOLISH (E) ASPHALT/CONCRETE SURFACE
13. DEMOLISH (E) RUBBERIZED SURFACE AND CONCRETE CURBS
14. PRESERVE AND PROTECT (E) FEATURE - 40-25 CLOCK
15. PLUG PIPE PER DETAIL 3, C-502
16. DEMOLISH HIGH MAST LIGHT POLE AND FOUNDATION; FOUNDATION APPROXIMATELY 3' DIAMETER AND 20' DEEP REINFORCED CONCRETE
17. DEMOLISH STEEPLE CHASE PIT AND RUBBER RUNWAYS
18. CLEAR (E) VEGETATION WITHIN DEMOLITION AREA
19. CLEAR VEGETATION AND REMOVE 8 - 24"± DIAMETER STUMPS ALONG 10' WIDE AND 120' LONG DIRT ROADWAY TO ADJACENT PARKING LOT; PLACE AND COMPACT ROCKY FILL AND BLADE ROADWAY UNIFORMLY
20. PRESERVE (E) CURBS
21. REMOVE (E) CURBS
22. DEMOLISH (E) PAD & PIT
23. RELOCATE (E) PORTABLE SHEDS AND BLEACHERS
24. DEMOLISH (E) FENCE TO EXTENTS SHOWN ON C-102
25. REMOVE PAMPAS GRASS CLUMP
26. AREA FOR RELOCATED PORTABLE SHEDS AND BLEACHERS
27. PRESERVE & PROTECT (E) SCORE BOARD
28. PRESERVE & PROTECT (E) HYDRANT

N

0 10' 20' 40'

SURVEY CONTROL, EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: 1" = 20'-0"

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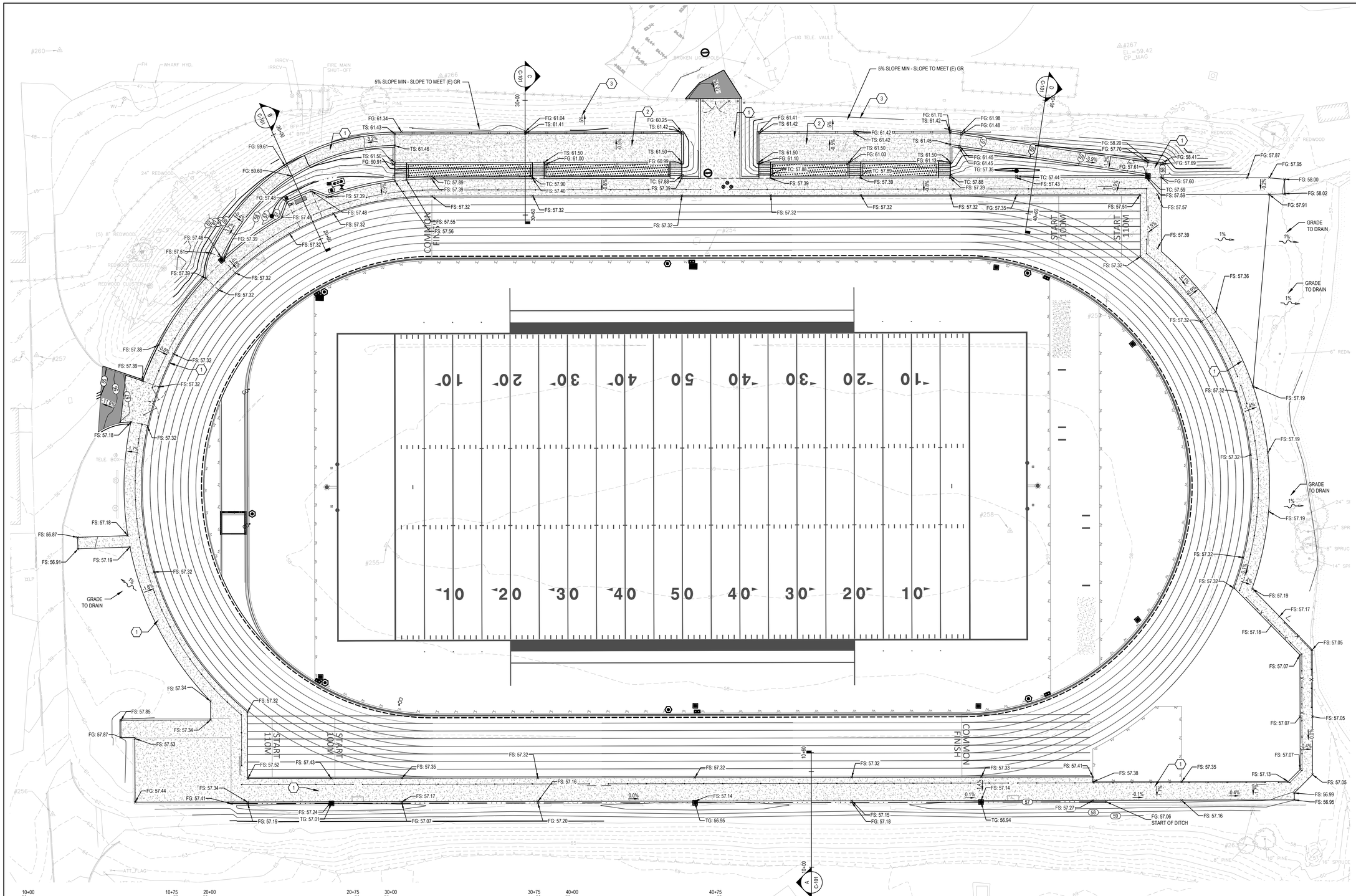
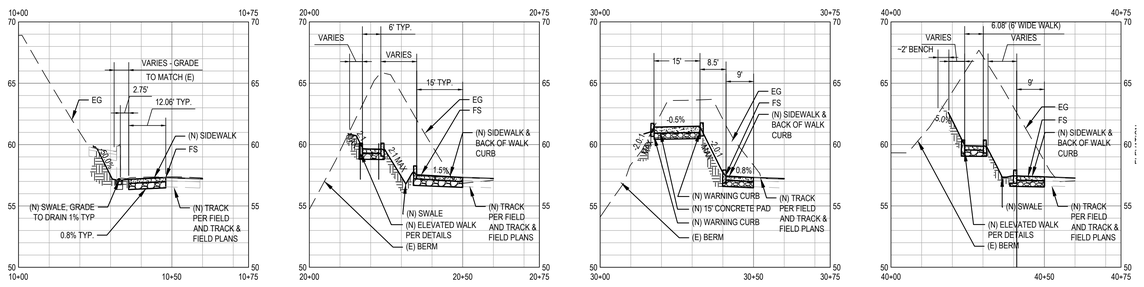
SURVEY CONTROL, EXISTING CONDITIONS & DEMOLITION PLAN

drawing no.:
CD-101





A C-101 — **REMOVED WALL - TYP. SECTION**
H: 1"=20' - V: 1"=5'

B C-101 — **WEST BERM WALK - TYP. SECTION**
H: 1"=20' - V: 1"=5'

C C-101 — **CONCRETE PAD - TYP. SECTION**
H: 1"=20' - V: 1"=5'

D C-101 — **EAST BERM WALK - TYP. SECTION**
H: 1"=20' - V: 1"=5'

SHEET GENERAL NOTES

1. CONTRACTOR TO MAINTAIN A MAXIMUM OF 2% SIDEWALK CROSS SLOPE.
2. FINAL GRADED AND UNPAVED SURFACES TO BE RAKED SMOOTH, ROCKS AND DEBRIS GREATER THAN 2" DIAMETER REMOVED, AND HYDROSEEDED UNLESS NOTED OTHERWISE.

SHEET KEYNOTES

1. (N) CONCRETE SIDEWALK WITH 4.6% MAX LONGITUDINAL SLOPE, & 2.0% MAX CROSS SLOPES
2. (N) CONCRETE PAD - SEE SURFACE IMPROVEMENT PLAN
3. HYDROSEED (E) SLOPES, ALL DISTURBED AREAS

PERIMETER GRADING PLAN
SCALE: 1" = 20'-0"

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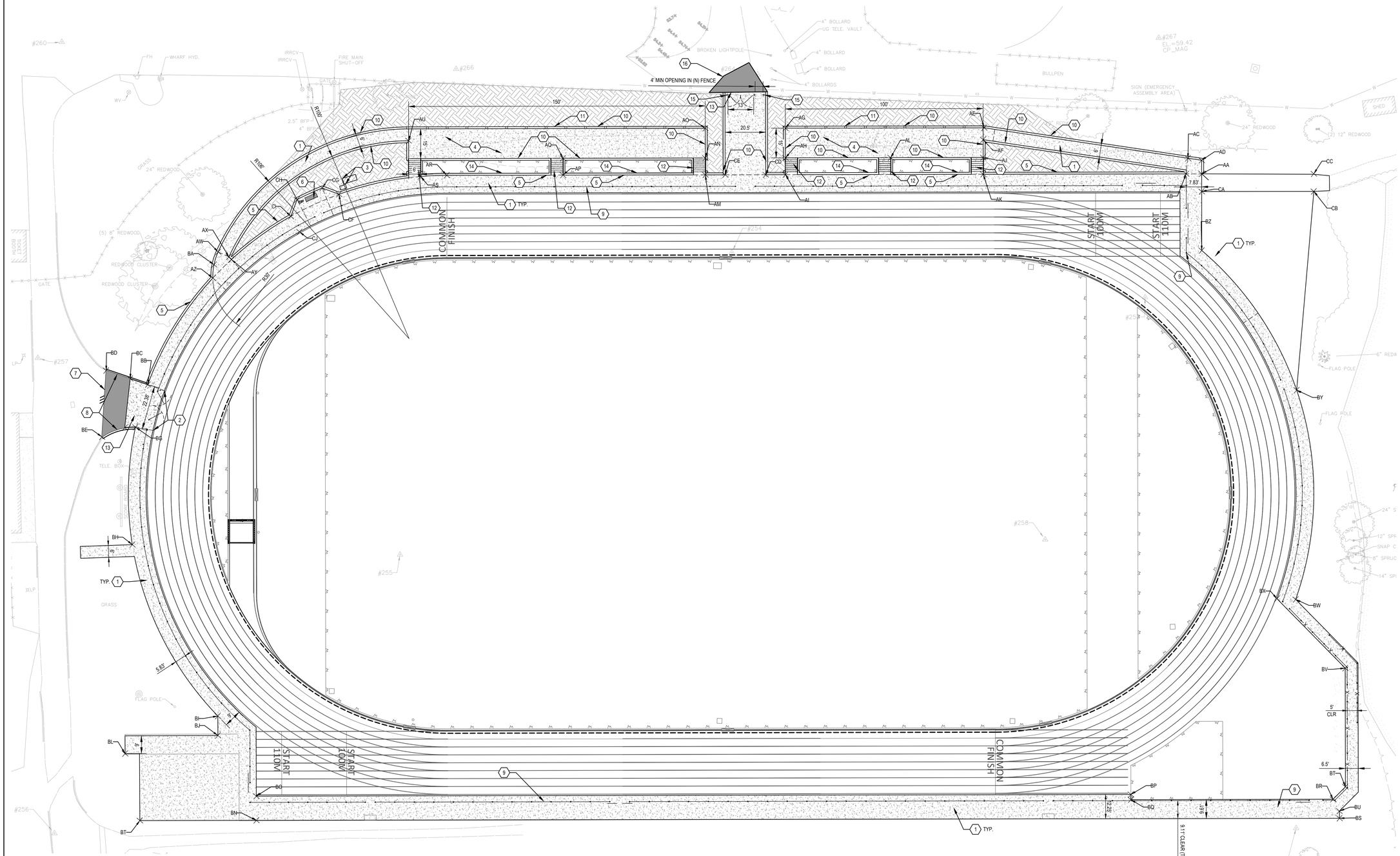

POINT TABLE			
POINT NUMBER	POINT DESCRIPTION	EASTINGS	NORTHINGS
1	AA	5953481.53	2144321.91
2	AB	5953473.72	2144322.50
3	AC	5953475.22	2144330.34
4	AD	5953482.06	2144328.76
5	AE	5953373.67	2144353.77
6	AF	5953372.73	2144347.83
7	AG	5953273.49	2144361.47
8	AH	5953272.34	2144346.52
9	AI	5953271.69	2144338.05
10	AJ	5953372.04	2144338.85
11	AK	5953371.39	2144330.37
12	AL	5953325.37	2144342.44
13	AM	5953231.31	2144341.16
14	AN	5953231.96	2144349.65
15	AO	5953233.11	2144364.61
16	AP	5953159.52	2144346.68

POINT TABLE			
POINT NUMBER	POINT DESCRIPTION	EASTINGS	NORTHINGS
17	AQ	5953160.17	2144355.17
18	AR	5953100.90	2144351.19
19	AS	5953087.69	2144351.67
21	AU	5953083.09	2144370.13
23	AW	5952982.64	2144321.67
24	AX	5952987.89	2144318.77
25	AY	5952989.02	2144317.32
26	AZ	5952978.94	2144308.72
27	BA	5952980.05	2144315.41
28	BB	5952941.92	2144257.62
29	BC	5952933.25	2144261.33
30	BD	5952921.49	2144266.36
31	BE	5952916.71	2144233.08
32	BF	5952928.56	2144236.78
33	BG	5952934.02	2144236.68
34	BH	5952927.75	2144177.58

POINT TABLE			
POINT NUMBER	POINT DESCRIPTION	EASTINGS	NORTHINGS
35	BI	5952964.03	2144087.83
36	BJ	5952963.29	2144078.00
37	BK	5952920.58	2144038.25
39	BL	5952915.78	2144072.57
40	BN	5952979.31	2144033.73
41	BO	5952980.24	2144045.94
42	BP	5953421.19	2144012.00
43	BQ	5953420.98	2144009.37
44	BR	5953522.89	2144001.53
45	BS	5953525.40	2143991.70
46	BU	5953525.62	2143995.32
47	BT	5953529.62	2144007.30
48	BV	5953534.22	2144067.12
49	BX	5953502.61	2144104.79
50	BW	5953512.00	2144103.71
51	BY	5953520.83	2144209.17

POINT TABLE			
POINT NUMBER	POINT DESCRIPTION	EASTINGS	NORTHINGS
52	BZ	5953478.52	2144283.29
53	CA	5953480.84	2144313.03
54	CB	5953537.37	2144308.62
55	CC	5953538.06	2144317.52
56	CD	5953261.72	2144338.82
57	CE	5953241.28	2144340.39
58	CF	5953045.83	2144345.96
59	CG	5953037.66	2144349.75
60	CH	5953024.51	2144344.94
61	CI	5953020.70	2144336.71
62	CJ	5953024.48	2144328.55

GENERAL NOTES

1. COORDINATE ALL LANDSCAPE WITH FIELD AND TRACK LANDSCAPING PLANS.
2. COORDINATE FIELD AND TRACK UTILITIES WITH FIELD AND TRACK PLANS.
3. COORDINATE WITH ELECTRICAL PLANS FOR UTILITIES AT SURFACE.
4. CONTRACTOR SHALL INSTALL EXPANSION JOINTS AT ALL GRADE BREAKS. CONTRACTOR SHALL INSTALL ALL OTHER CONCRETE JOINTS PER DETAILS.
5. CONTRACTOR TO HYDROSEED ALL DISTURBED AREAS.

KEYNOTES

1. (N) CONCRETE WALK SEE DETAIL 1, C-501 & DETAIL 2, C-501
2. (N) REINFORCED CONCRETE PAD SECTION (FOR VEHICULAR ACCESS) SEE DETAIL 6, C-501
3. (N) APPURTENANCE & EQUIPMENT PAD SEE DETAIL 6 C-501
4. (N) 15' WIDE CONCRETE EQUIPMENT PAD SEE DETAIL 6, C-501, INSTALL CONTROL AND EXPANSION JOINTS SEE DETAIL 1, C-501
5. (N) 6" CONCRETE CURB SEE DETAIL 5, C-501
6. (N) BENCH - DUMOR 138-PL OR EQUAL
7. (N) HMA CONFORM AND PATCH SEE DETAIL 7, C-501 & DETAIL 9, C-501
8. (N) ASPHALT DIKE SEE DETAIL 8, C-501
9. (N) FENCE - INSTALLATION PER FIELD AND TRACK PLANS
10. (N) WARNING CURB SEE DETAIL 10, C-501
11. (N) CURB DRAIN ALONG (E) CURB @ 10' O.C., SEE DETAIL 8, C-502
12. (N) STAIRS & HANDRAIL SEE DETAIL 3, C-501
13. (N) SWING GATE- INSTALLATION PER FIELD AND TRACK PLANS
14. LANDSCAPE SYNTHETIC TURF & EDGE ANCHOR CONNECTION
15. ATTACH (E) FENCE TO (N) POST
16. SAWCUT (E) ASPHALT AND REPAVE TO PROVIDE SMOOTH TRANSITION FROM DRIVEWAY AND WALKWAY TO (E) ROAD SEE DETAIL 9, C-501
17. SEE ELECTRICAL SHEETS FOR SCORE BOARD POWER & TELEMETRY BOX INFORMATION. ADJUST STRUCTURES TO GRADE

N

0 10' 20' 40'

SURFACE IMPROVEMENT PLAN

SCALE: 1" = 20'-0"

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COLLEGE OF THE REDWOODS

REDWOODS COMMUNITY COLLEGE DISTRICT

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owner

tBP project number: 22079.00

file name: 12609766-C-102_SURFACE IMPROVEMENT PLAN

drawn by: CSC / CP checked by: MD

date: 11/27/2023

rev:	date:	description:
	12/6/2023	BID SET

drawing title:
SURFACE IMPROVEMENT PLAN

drawing no.:
C-102

MATCH LINE - SEE BELOW

MATCH LINE - SEE ABOVE

T&F MH 1
TG = 57.43
18" IN, INV=49.82
4" IN, INV=54.31
4" IN, INV=54.31
18" OUT INV=49.77

TD 2
4" OUT INV=55.91

LS CB 5
TG = 57.35
6" IN, INV=53.11
8" OUT INV=53.11

SHAPE CONCRETE IN THIS AREA TO CONVEY WATER TO (N) DI. 2% MAX ANY DIRECTION

POT CB 2
TG = 57.60
6" OUT INV=53.55

NOTE - DEPTH TO (E) 14" WAT UNKNOWN - CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY IF CONFLICT EXISTS

TD 1
4" OUT INV=55.91

LS CB 4
TG = 56.30
6" IN, INV=53.14
8" OUT INV=53.14

SHAPE CONCRETE IN THIS AREA TO CONVEY WATER TO (N) DI. 2% MAX ANY DIRECTION

POT CB 1
TG = 57.45
6" OUT INV=53.84

T&F CB 7
TG = 56.55
12" IN, INV=51.68
8" IN, INV=52.15
6" IN, INV=53.13
15" OUT INV=51.63

T&F CB 8
TG = 56.55
15" IN, INV=50.65
15" IN, INV=50.65
18" OUT INV=50.15

T&F CB 5
TG = 56.54
12" IN, INV=51.60
8" IN, INV=52.84
15" OUT INV=51.55

T&F CB 9
TG = 56.54
12" IN, INV=51.94
12" OUT INV=51.94

T&F CO 3
TG = 56.54
6" IN, INV=54.19
6" OUT INV=54.19

T&F CO 4
TG = 56.54
6" OUT INV=54.54

T&F CB 6
TG = 56.55
8" IN, INV=52.73
8" IN, INV=52.98
12" OUT INV=52.67

T&F CB 3
TG = 56.55
12" IN, INV=52.67
12" OUT INV=52.67

T&F CO 2
TG = 56.55
8" IN, INV=52.95
8" OUT INV=52.95

T&F CB 1
TG = 56.55
8" IN, INV=53.72
8" OUT INV=53.72

T&F CB 2
TG = 56.54
8" IN, INV=53.82
12" OUT INV=53.33

LS CB 3
TG = 57.02
8" OUT INV=53.30

LS CB 1
TG = 56.80
8" OUT INV=53.96

LS CB 2
TG = 56.94
8" OUT INV=53.57

COMMON FINISH

START 100M

START 110M

OUTFALL 1
TG = 50.54
18" IN, INV=48.50

T&F MH 2
TG = 55.42
18" IN, INV=49.35
18" OUT INV=49.30

T&F MH 1
TG = 57.43
18" IN, INV=49.82
4" IN, INV=54.31
4" IN, INV=54.31

TD 2
4" OUT INV=55.91

0 10' 20' 40'

N

GENERAL NOTES

1. LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM INFORMATION AVAILABLE AT THE TIME OF DESIGN. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY THE OWNER AND UNDERGROUND SERVICES ALERT NORTH AT 811 A MINIMUM OF 72 HOURS PRIOR TO ANY EXCAVATION AND SHALL POTHOLE FOR THE EXACT LOCATION OF IDENTIFIED UTILITIES. CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UTILITIES.
2. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION. COORDINATE ALL CONNECTIONS TO (N) FIELD AND TRACK DRAINAGE SYSTEM WITH FIELD AND TRACK DRAWINGS.
3. EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES IS UNKNOWN. CONTRACTOR TO POTHOLE EXISTING UTILITY FOR EXACT MATERIAL SIZE, TYPE, AND LOCATION PRIOR TO MAKING CONNECTION.
4. WATER LINE SHALL HAVE THRUST BLOCKS. SEE DETAILS FOR THRUST BLOCK DETAILS.
5. UTILITY TRENCHES SHALL BE CONSTRUCTED PER DETAILS.
6. COORDINATE IRRIGATION PIPING CONNECTIONS WITH FIELD AND TRACK PLANS.
7. PIPE BENDS AND DEFLECTIONS ARE ALLOWED PER MANUFACTURER'S RECOMMENDATIONS.
8. CONTRACTOR TO SET STORM DRAINS AT A MINIMUM 0.5% SLOPE UNLESS SHOWN TO DIFFER PER PLANS.
9. CONTRACTOR TO ADJUST ALL ABOVE-GROUND STRUCTURES AFFECTED BY CONSTRUCTION TO FINISHED GRADE.

KEYNOTES

1. (N) STORM DRAIN MANHOLE WITH ADA COMPLIANT COVER PER DETAIL 1, C-503 & DETAIL 3, C-503
2. (N) STORM DRAIN BEEHIVE INLET SEE DETAIL 5, C-502
3. (N) HDPE OR SDR-26 STORM DRAIN PIPE - TRENCH & PIPE PER DETAIL 1, C-502, SIZE PER PLAN; CONTRACTOR TO MATCH EXISTING PAVEMENT LIMITS WHEN TRENCH EXTENDS BEYOND SURFACE IMPROVEMENT PLAN LIMITS
4. TOE OF WALL DRAIN - REFER TO FIELD AND TRACK PLANS FOR DETAILS - MIN INVERT PER PLAN
5. (N) 2" SADDLE, METER AND BACFKLOW DEVICE; ROUTE (N) 2" SCH 80 PIPE TO (N) WASHWATER SYSTEM AS REQUIRED, SEE DETAIL 2, C-502
6. (N) 1" SADDLE AND CORP STOP WITH SCH 40 PVC PIPE TO DRINKING FOUNTAIN
7. (N) RELOCATED 14" GATE VALVE CLUSTER SEE DETAIL 6, C-502
8. (N) 14" PVC 900 DR 18 DOMESTIC WATER PIPE; INSTALL THRUST BLOCKS AT ALL FITTINGS; SEE DETAIL 1, C-502 AND DETAIL 4, C-502
9. RELOCATE (E) AIR RELEASE VALVE; SPLICE (N) SERVICE PIPE AND CONNECT TO (E) ARV
10. CONNECT TO (E) 14" DOMESTIC PVC C900 PIPE
11. CONNECT TO (N) 2" WASHWATER SYSTEM; COORDINATE WITH FIELD AND TRACK PLANS
12. (N) DRINKING FOUNTAIN/BOTTLE FILLER; ELKAY MODEL LK4420BF1U OR EQUAL; OWNER TO CHOOSE COLOR; INSTALL & CONNECT (N) 2" DRAIN PER MANUFACTURER'S RECOMMENDATIONS
13. (N) STORM DRAIN CLEANOUT PER DETAIL 6, C-503
14. (N) STORM DRAIN DROP INLET PER DETAIL 3, C-502 CONFORM TO TRACK AND FIELD PLANS WHEN WITHIN FIELD AND TRACK FOR GRATE COVER REQUIREMENTS
15. UTILITY CROSSING PER DETAIL 7, C-503
16. (N) 45° BEND WITH THRUST BLOCK PER DETAIL 4, C-502
17. (N) CALTRANS TYPE G-1 STORM DRAIN INLET PER DETAIL 4 C-503; CONFORM TO TRACK AND FIELD PLANS FOR FIELD COVER REQUIREMENTS
18. (N) STORM DRAIN OUTFALL PER DETAIL 2, C-503
19. (N) 1" PVC BALL VALVE & METER BOX; METER BOX PER DETAIL 2, C-502 OR EQUIVALENT; CONNECT TO (N) DRINKING FOUNTAIN PER MANUFACTURER'S RECOMMENDATIONS
20. (E) HYDRANT TO REMAIN

UTILITY PLAN
SCALE: 1" = 20'-0"

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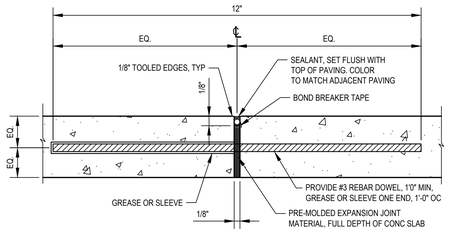
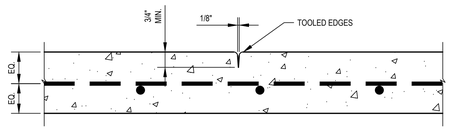
C-103



EXPANSION JOINT SECTION

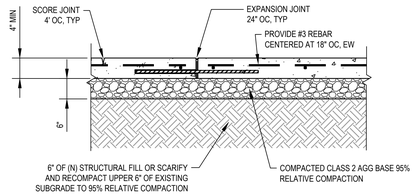


TOOLED SCORE JOINT SECTION

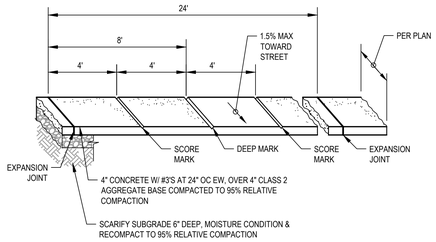
CONCRETE JOINT NOTES:

1. LOCATE EXPANSION JOINTS AT INTERVALS OF 30 FEET.
2. LOCATE TOOLED SCORE JOINT SECTIONS AT INTERVALS OF 15 FEET.
3. EXPANSION JOINT MATERIAL TO BE 1/4" THICK PREMOLDED JOINT FILLER FULL THICKNESS OF CONCRETE. EXPANSION JOINTS TO ALIGN WITH EXPANSION JOINTS IN CURB & GUTTER.

1 C-501 TYPICAL CONCRETE JOINT DETAIL
NTS



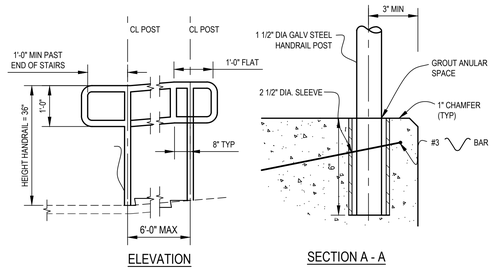
TYPICAL STRUCTURAL SECTION



NOTES:

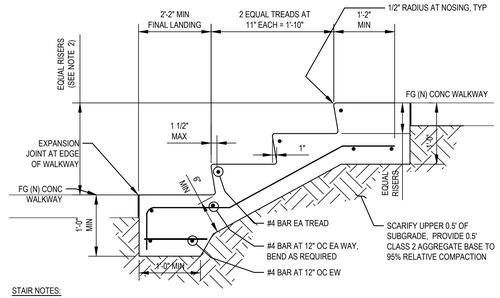
1. DEEP SCORE MARK OR WEAKENED PLANE-DEPTH EQUAL TO 3/4".
2. PROVIDE JOINTS PER DETAIL 1, SHEET C501, JOINT SPACING PER THIS DETAIL
3. SIDEWALK SHALL BE BROOM FINISHED PERPENDICULAR TO DIRECTION OF TRAVEL.
4. CONTRACTOR TO DRILL AND DOWEL #4'S AT 24" O.C. INTO EXISTING SIDEWALK AT JUNCTIONS TO EXISTING SIDEWALK, CURB, AND / OR GUTTER.
5. 6" HIGH WARNING CURB REQUIRED WHEN VERTICAL DROP ADJACENT TO SIDEWALK EXCEEDS 4".
6. 6" HIGH RETAINING CURB SHALL BE USED AS FIELD CONDITIONS WARRANT.
7. SIDEWALKS SHALL CONFORM TO THE CURRENT EDITION OF THE CBC.

2 C-501 TYPICAL CONCRETE SIDEWALK DETAIL
NTS



NOTES:

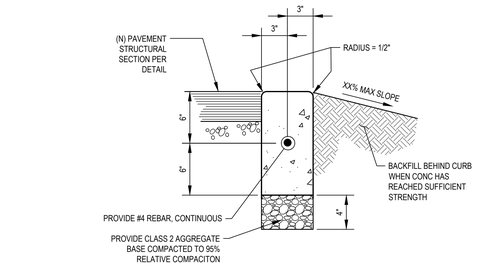
1. HANDRAILS SHALL BE 1 1/2" DIAMETER GALVANIZED STEEL.
2. HEIGHT OF RAILINGS TO BE 34" MIN., 38" MAX.
3. PROVIDE PROTECTION FOR DISSIMILAR METALS AND CONCRETE.
4. CONCRETE COLOR & FINISH OF STAIRS TO MATCH ADJACENT CONCRETE PAVING.
5. SUBMIT SHOP DRAWINGS OF HANDRAILS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
6. HANDRAILS ALONG RAMPS TO BE CONTINUOUS STAIRCASES



STAIR NOTES:

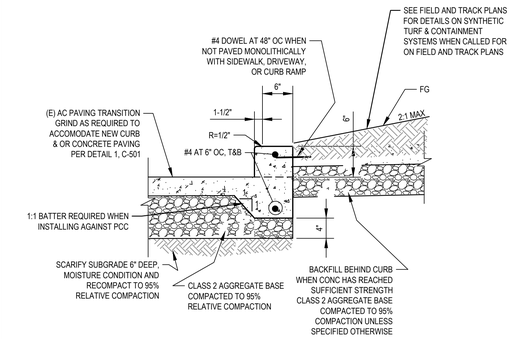
1. CONCRETE SHALL BE A LIGHT BROOM FINISH.
2. RISERS SHALL BE NO LESS THAN 4" TALL AND NO GREATER THAN 7" TALL. ADJUST NUMBER OF RISERS TO ACCOMMODATE OVERALL RISE
3. POUR CONCRETE OVER 6" COMPACTED SUBGRADE.
4. STAIR RISE & TREAD TO BE DETERMINED FOR SITE CONDITIONS BASED ON REQUIREMENTS.
5. THE TOP AND BOTTOM LANDINGS SHALL SLOPE NO MORE THAN 1.5% IN ANY DIRECTION.
6. BASE OF CONCRETE TO BE 6" MIN BELOW FINISHED GRADE.
7. ALL WORK SHALL BE IN ACCORDANCE TO THE 2019 EDITION OF THE CALIFORNIA BUILDING CODE.
8. SEE HANDRAIL DETAILING.
9. PROVIDE CONTRASTING STRIPING PER CBC-11(B)-504.4.1, COLOR BLACK & YELLOW

3 C-501 TYPICAL STAIRCASE DETAIL
NTS



NOTE: NOT ALL REINFORCEMENT SHOWN. INCLUDE REINFORCEMENT PER TYPICAL EQUIPMENT PAD SECTION

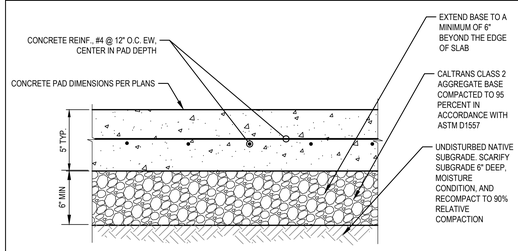
4 C-501 TYPICAL FLUSH CURB DETAIL
NTS



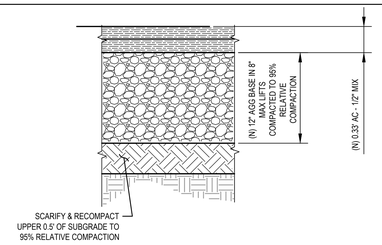
NOTES:

1. NEW CURB ELEVATIONS TO BE SET ACCORDING TO OVERLAY AND/OR AS DIRECTED BY THE ENGINEER.
2. DRILL AND DOWEL #4" INTO EXISTING CURBS.

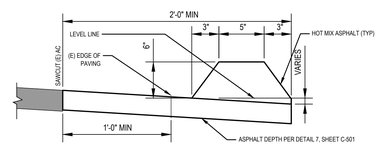
5 C-501 TYPICAL CURB DETAIL -VERTICAL TYPE A1-6
NTS



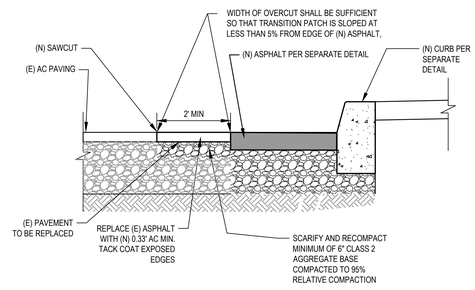
6 C-501 TYPICAL EQUIPMENT PAD SECTION
NTS



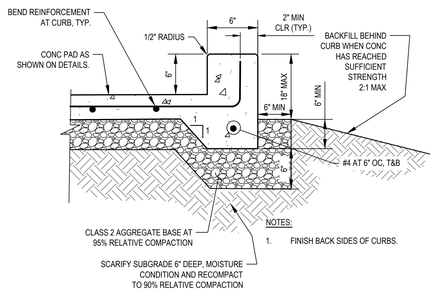
7 C-501 TYPICAL ASPHALT PAVEMENT SECTION
NTS



8 C-501 TYPICAL ASPHALT DIKE
NTS



9 C-501 TYPICAL ASPHALT CUT SECTION
NTS



NOTES:

1. FINISH BACK SIDES OF CURBS.

NOTE: NOT ALL REINFORCEMENT SHOWN. INCLUDE REINFORCEMENT PER TYPICAL EQUIPMENT PAD SECTION

10 C-501 CONCRETE WARNING CURB DETAIL
NTS

CIVIL DETAILS 1
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owner

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	12/6/2023	BID SET

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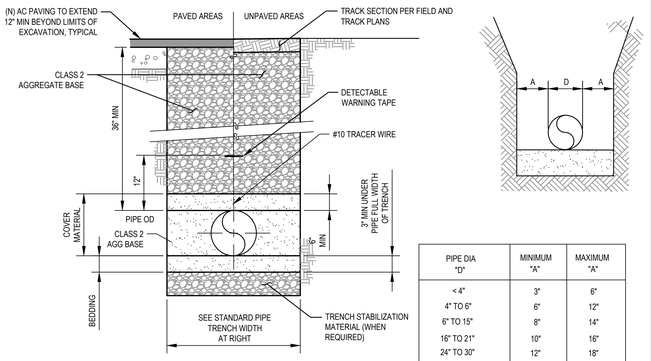
C-501

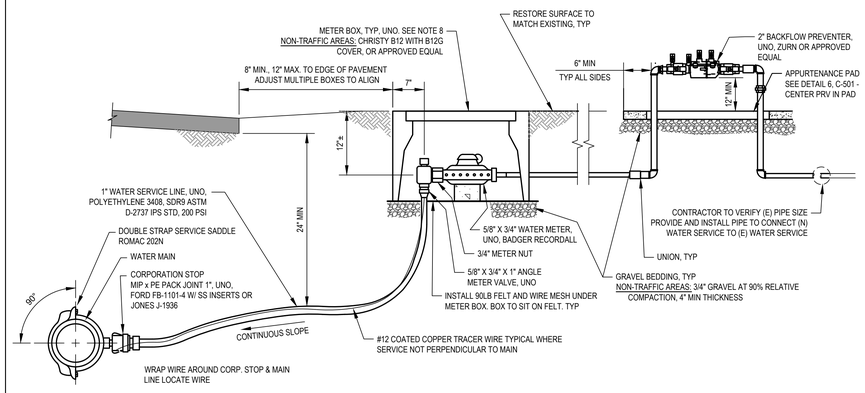


PIPE DIA "D"	MINIMUM "A"	MAXIMUM "A"
< 4"	3"	6"
4" TO 6"	6"	12"
6" TO 15"	8"	14"
16" TO 21"	10"	16"
24" TO 30"	12"	18"
33" TO 42"	15"	21"
48" & LARGER	18"	24"

NOTES:

1. WIDER TRENCHES MAY REQUIRE HIGHER STRENGTH PIPE AND/OR SPECIAL BEDDING.
2. DIFFERING TRENCH WIDTHS REQUIRE PRIOR APPROVAL OF ENGINEER.
3. IN MAKING EXCAVATIONS FOR THIS PROJECT, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PROVIDING & INSTALLING ADEQUATE SHEETING, SHORING & BRACING AS MAY BE NECESSARY AS A PRECAUTION AGAINST SLIDES OR CAVE-INS, AND TO PROTECT ALL (E) IMPROVEMENTS OF ANY KIND, EITHER ON PUBLIC OR PRIVATE PROPERTY, FULLY FROM DAMAGE.
4. SATISFACTORY NATIVE BACKFILL MATERIAL USED AS UTILITY TRENCH BACKFILL BELOW UNPAVED AREAS SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.
5. 2-SACK SLURRY BACKFILL MAY BE USED IN TRENCH WHEN MINIMUM PIPE COVER NOT POSSIBLE, WHEN APPROVED BY OWNER'S REPRESENTATIVE.
6. DETECTABLE WARNING TAPE SHALL BE BRIGHT COLORED, CONTINUOUSLY PRINTED, MINIMUM 6" WIDE BY 4 MIL. THICK, MANUFACTURED FOR DIRECT BURIAL.
7. DETECTABLE WARNING TAPE NOT REQUIRED FOR IRRIGATION LINES.

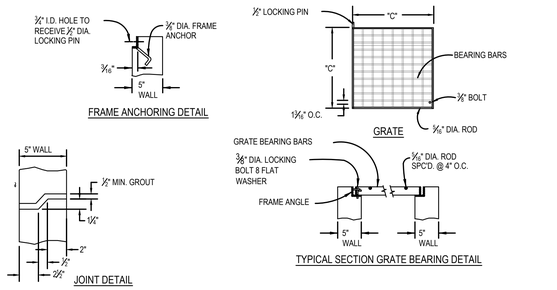
1 C-502 TYPICAL TRENCH DETAIL
NTS



NOTES:

1. INSTALL 5/8" X 3/4" METER AND 3/4" BACKFLOW PREVENTERS FOR ALL SERVICES, UNO.
2. CONFIRM JONES/FORD ITEM DESIGNATION FOR METERS GREATER THAN ¾".
3. METER BOXES PLACED WITHIN THE TRAFFIC AREAS SHALL MEET H-20 LOADING, INCLUDING DRIVEWAYS AND ROADWAYS.
4. PROVIDE ALL PIPING AND FITTINGS AS REQUIRED.
5. NOT ALL METERS BOXES ARE INDICATED AS TRAFFIC RATED ON PLAN. CONTRACTOR TO FIELD VERIFY METER BOX LOCATION AND TRAFFIC RATING REQUIREMENT.
6. METER AND BACKFLOW PREVENTER CONFIGURATIONS AS REQUIRED, UNO. SEE CONFIGURATION TYPES AT RIGHT.
7. FINAL LOCATION SHALL BE FIELD STAKED AND VERIFIED BY OWNER PRIOR TO INSTALLATION.
8. 2" SERVICE, WHERE SHOWN ON PLAN, SHALL INCLUDE 2" METER AND 2" BACKFLOW PREVENTER, AND ALL NECESSARY PIPING, FITTINGS, AND APPURTENANCES SHALL BE SIZED ACCORDINGLY.
9. METER BOXES FOR 2" SERVICE METER AND BACKFLOW PREVENTER SHALL BE TRAFFIC RATED, CHRISTY B1324 WITH 51GH COVER, OR APPROVED EQUAL.

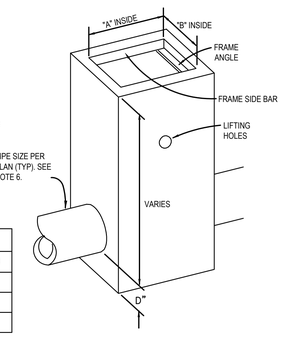
2 C-502 STANDARD WATER SERVICE CONNECTION DETAIL
NTS



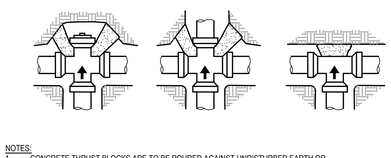
NOTES:

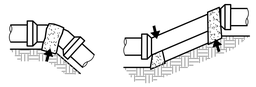
1. GRATE MATERIAL TO BE: 21-BEARING BARS, 2"x⅜"x⅛" 2-BANDING BARS, 2"x⅜"
2. RAM-NEK OR APPROVED EQUAL SHALL BE USED IN JOINTS
3. GRATE FRAME MATERIAL TO BE: 2½"x1½"x⅜" ANGLES 2-½"x¼" SIDE BARS
4. GROUT JOINTS BETWEEN UNITS. HIGH RAM-NEK OR APPROVED EQUAL SHALL BE USED IN JOINTS , PLASTERING OF JOINTS REQUIRED IF HIGH WATER CONDITIONS EXIST.
5. GRATE OPENINGS SHALL COMPLY WITH CBC 1127B.4 & 1133B.7.2, (I.E. WHEEL CHAIR PROOF GRATES) WHEN INSTALLED IN HARDSCAPE
6. STRUCTURE, FRAMES AND GRATES SHALL BE RATED FOR HS-20 TRAFFIC LOADING (MINIMUM) WHEN INSTALLED IN TRAFFIC AREAS
7. GEOTEXTILE CATCH BASIN INSERTS TO INSTALLED AT ALL CATCH BASINS

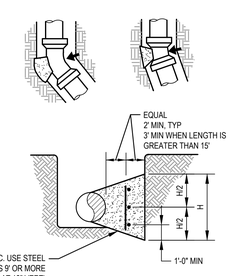
DROP INLET TABLE				
PIPE Ø (IN)	A (IN)	B (IN)	C (IN)	D (IN)
4 - 8	12	12	12 1/8	6
12	18	18	18 1/4	8
18	24	24	24 3/8	8



3 C-502 PRECAST STORM DRAIN INLET DETAIL
NTS







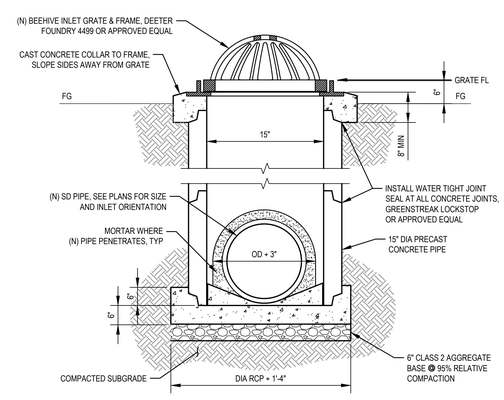
NOTES:

1. CONCRETE THRUST BLOCKS ARE TO BE POURED AGAINST UNDISTURBED EARTH OR STRUCTURAL BACKFILL.THRUST BLOCKS ARE NOT REQUIRED WHERE JOINTS ARE ADEQUATELY RESTRAINED.
2. KEEP CONCRETE CLEAR OF JOINTS AND ACCESSORIES.
3. VOLUMES AND SPECIAL BLOCKING DETAILS SHOWN ON THE PLANS TAKE PRECEDENCE OVER VOLUMES AND BLOCKING DETAILS SHOWN ON THIS STANDARD DETAIL.
4. ALL BURIED PIPE EXCEPT FLANGED, SCREWED, SOLVENT WELDED PVC OR WELDED STEEL PIPE SPECIFIED TO BE PRESSURE TESTED SHALL BE PROVIDED WITH CONCRETE THRUST BLOCKS AT ALL DIRECTIONAL CHANGES UNLESS OTHERWISE NOTED.
5. THRUST BLOCKS SHALL NOT BE LOCATED OR SIZED TO ENCASE ADJACENT PIPES OR FITTINGS.
6. THE SIZE AND WEIGH OF ALL UPLIFT THRUST BLOCKS SHALL BE AS DETERMINED BY ENGINEER.
7. THE BEARING AREAS ARE BASED ON TEST PRESSURE OF 150 PSI AND ALLOWABLE SOIL BEARING STRESS OF 1000 POUNDS PER SQUARE FOOT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION:
   BEARING AREA = (TEST PRESSURE / 150) x (1000 / SOIL BEARING STRESS) x (TABLE VALUE)
8. THRUST BLOCKS REQUIRED AT ALL CHANGES IN DIRECTION OF PIPING UNLESS NOTED OTHERWISE.
9. CONTRACTOR TO PROVIDE ALL COMPONENTS.
10. ALL PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE TO PREVENT CORROSION AND CONC ADHESION.

BEARING AREA OF THRUST BLOCK IN SQ. FT.

PIPE SIZE	TEE, WYE, PLUG OR CAP	90° BEND PLUGGED CROSS	TEE PLUGGED A1	TEE PLUGGED A2	45° BEND	22 1/2° BEND	11 1/4° BEND
4	1.5	2	2	1.5	1.5	1	1
6	3	4.5	4.5	3	2.5	1.5	1
8	5	7	7	5	4	2	1
10	8	12	12	8	7	3	2
12	12	17	17	12	10	5	3
16	15	21.5	21.5	15	12	6	4
18	19	27	27	19	15	8	6
20	24	34	34	24	18	10	8
22	29	41	41	29	22	12	10
24	34	48	48	34	26.5	14	12
32	39	55	55	39	31.5	16	14

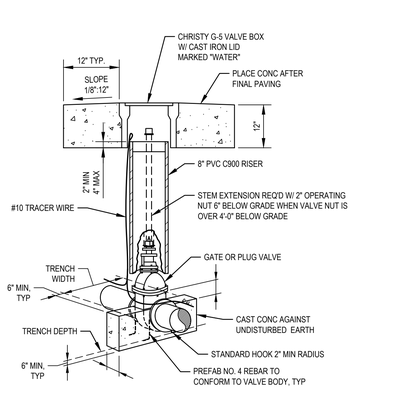
4 C-502 TYPICAL THRUST BLOCK DETAIL
NTS



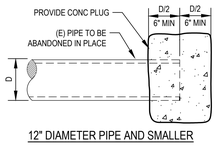
NOTES:

1. OIL-WATER-DEBRIS SEPARATOR SHALL BE INSTALLED IN ALL PRECAST DROP INLETS. TYP. AT ALL OUTFLOW PIPES.
2. INSTALL FILTER FABRIC INSIDE ALL PRECAST DROP INLETS

5 C-502 TYPICAL BEEHIVE STORM DRAIN INLET DETAIL
NTS



6 C-502 STANDARD GATE VALVE INSTALLATION
NTS

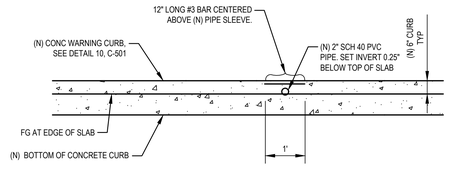


12" DIAMETER PIPE AND SMALLER

NOTES:

1. PIPE PLUGS SHALL BE INSTALLED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
2. SHALL BE INSPECTED BY THE OWNER'S REPRESENTATIVE BEFORE COVERING.
3. SMALLER PIPES MAY BE CAPPED.

7 C-502 PLUG AND ABANDON EXISTING PIPE
N.T.S.



NOTES:

SPACING PER PLANS

ELEVATION

8 C-502 TYPICAL CURB DRAIN DETAIL
SCALE: NTS

CIVIL DETAILS 2
SCALE: AS SHOWN

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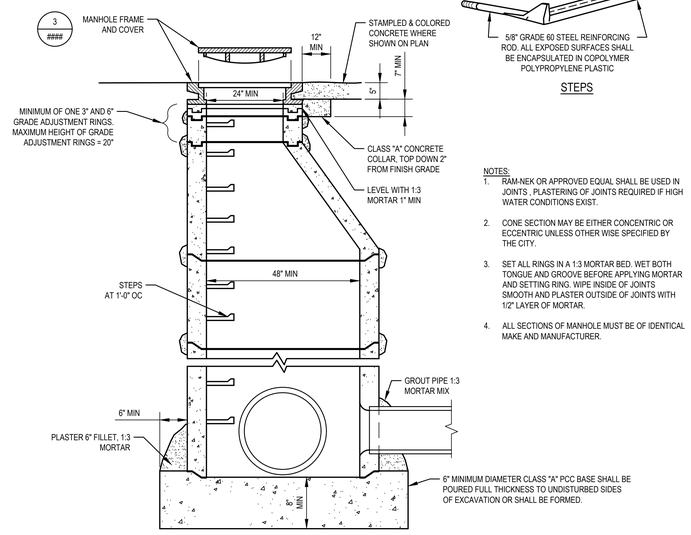
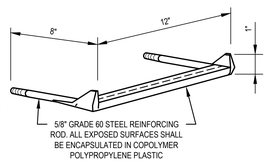
rev:	date:	description:
	12/6/2023	BID SET

drawing title:
CIVIL DETAILS 2

drawing no.:
C-502

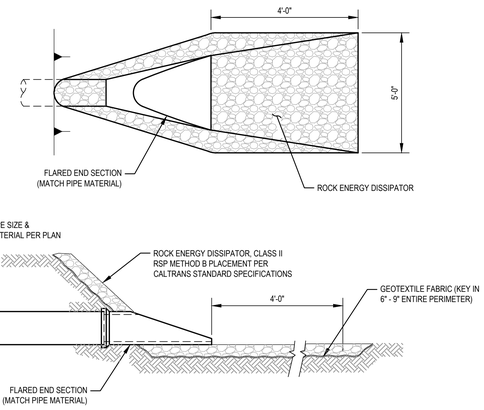




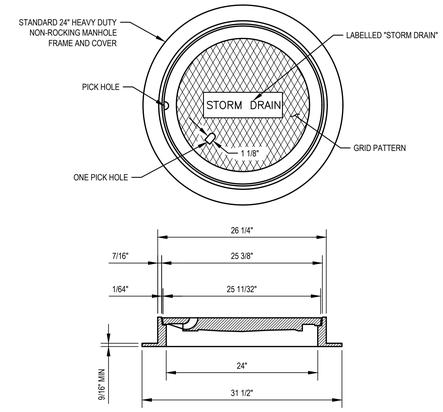
STEPS

NOTES:
1. RAM-NEK OR APPROVED EQUAL SHALL BE USED IN JOINTS , PLASTERING OF JOINTS REQUIRED IF HIGH WATER CONDITIONS EXIST.
2. CONE SECTION MAY BE EITHER CONCENTRIC OR ECCENTRIC UNLESS OTHER WISE SPECIFIED BY THE CITY.
3. SET ALL RINGS IN A 1:3 MORTAR BED. WET BOTH TONGUE AND GROOVE BEFORE APPLYING MORTAR AND SETTING RING. WIPE INSIDE OF JOINTS SMOOTH AND PLASTER OUTSIDE OF JOINTS WITH 1/2" LAYER OF MORTAR.
4. ALL SECTIONS OF MANHOLE MUST BE OF IDENTICAL MAKE AND MANUFACTURER.

1 X-501 **TYPICAL STORM DRAIN MANHOLE**
NOT TO SCALE



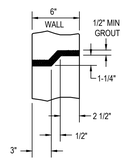
2 C-503 **TYPICAL STORM DRAIN END SECTION AND ENERGY DISSIPATOR**
NOT TO SCALE



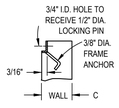
NOTES:
1. ALL CASTINGS SHALL BE DIPPED IN ASPHALT PAINT.
2. ALL MATERIAL USED IN MANUFACTURING SHALL CONFORM TO ASTM DESIGNATION A-159-G3000, OR OF UNITED STATES GOVERNMENT SPECIFICATIONS QQ1-652B.
3. MINIMUM WEIGHT COMPONENTS:
   COVER - 130 POUNDS
   FRAME - 135 POUNDS
4. MANHOLE FRAME AND COVER SHALL BE ADA COMPLIANT.

3 C-503 **TYPICAL MANHOLE FRAME & COVER**
NOT TO SCALE

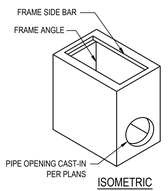
NOTES:
1. FRAME AND GRATES ARE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A-123.
2. ALL GRATING MUST BE RATED FOR H20 LOADING, MINIMUM.
3. INSTALL PRECAST INLET ON 6" MIN COMPACTED CLASS 2 AB.
4. INLET SHALL BE CONSTRUCTED BY A PCI CERTIFIED MANUFACTURER.
5. ALL INLETS 30" AND ABOVE SHALL INSTALL STEPS PER CALTRANS STD DETAIL 74D (D74)
6. RAM-NEK OR APPROVED EQUAL SHALL BE USED IN JOINTS
7. GEOTEXTILE CATCH BASIN INSERTS TO INSTALLED AT ALL CATCH BASINS



JOINT DETAIL



FRAME ANCHORING DETAIL



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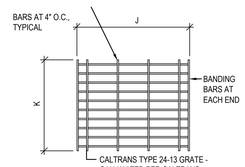
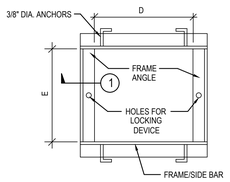


GRATE PLAN

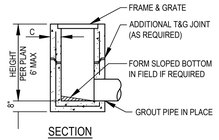
DETAIL - 1

DROP INLET TABLE		
A (IN)	B (IN)	C (IN)
36	24	6

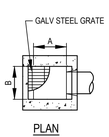
GRATES			
J	K	BEARING BARS	BANDING BARS
IN	IN	IN	IN
1'-11 5/8"	3'-5 3/8"	2-1/4x3/16	2x3/16



FRAME PLAN



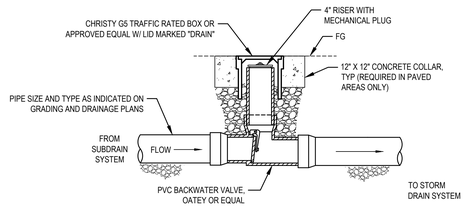
SECTION



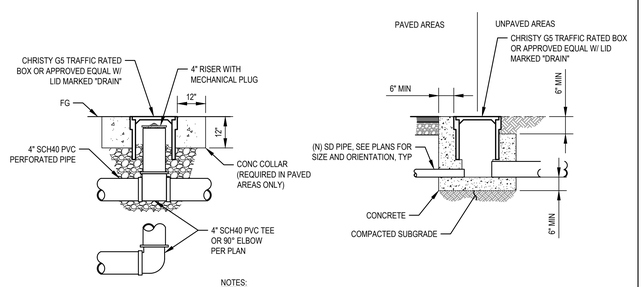
PLAN

FRAMES						
A	B	D	E	FRAME ANGLE	SIDE BAR	
IN	IN	IN	IN	IN	IN	
36	24	2'-1"	3'-5 3/8"	2-1/2x1-1/2X3/16	2x1/4	

4 C-503 **TYPICAL CALTRANS G-1 STORM DRAIN INLET**
NOT TO SCALE

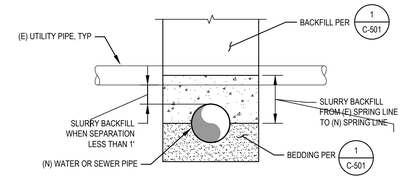


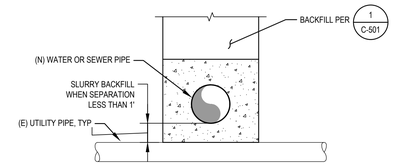
5 C-503 **STORM DRAIN BACKWATER VALVE**
NOT TO SCALE



NOTES:
1. EITHER METHOD OF CONSTRUCTION MAY BE USED.

6 C-503 **TYPICAL STORM DRAIN CLEANOUT**
NOT TO SCALE





NOTES:
1. CONTRACTOR TO COORDINATE WITH UTILITY OWNER PRIOR TO PERFORMING SLURRY BACKFILL.
2. SLURRY BACKFILL SHALL EXTEND 5' MIN BEYOND EACH SIDE OF (E) UTILITY PIPE CROSSING IN (N) UTILITY TRENCH.
3. UTILITY CROSSINGS SHALL CONFORM TO WATER MAIN SEPARATION CRITERIA SEPARATION CRITERIA, CALIFORNIA CODE OF REGULATIONS, TITLE 22 SECTION 64572.

7 C-503 **UTILITY CROSSING SLURRY**
NOT TO SCALE

CIVIL DETAILS 3
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IBP project number: 22079.00

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ABBREVIATIONS

(D)	DEMOLISH
(E)	EXISTING
(F)	FUTURE
(N)	NEW
A	AMPERES
AC	ALTERNATING CURRENT
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPS INTERRUPTING CAPACITY
ANN	ANNUNCIATOR
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BAT	BATTERY
BFG	BELOW FINISH GRADE
CATV	CABLE TELEVISION
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CO	CONDUIT ONLY
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
EF	EXHAUST FAN
EGU	ENGINE GENERATOR UNIT
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NON-METALLIC TUBING
EP	EXPLOSION PROOF
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FOOT CANDLE
FU	FUSE
GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFR	GROUND FAULT RELAY
HID	HIGH INTENSITY DISCHARGE
HOA	"HAND-OFF-AUTO" SWITCH
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING, VENTILATION & AIR-CONDITIONING
IG	ISOLATED GROUND
JB	JUNCTION BOX
KAIC	KILO-AMPS INTERRUPTING CAPACITY
KV	KILOVOLT
KVA	KILOVOLT-AMP
KW	KILOWATT
KWH	KILOWATT-HOUR
LPS	LOW PRESSURE SODIUM
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MFR	MANUFACTURER
MH	METAL HALIDE
MLO	MAIN LUGS ONLY
MV	MEDIUM VOLTAGE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
OC	ON CENTER
PA	PUBLIC ADDRESS
PB	PULL BOX, ELECTRICAL
PR	PAIR
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
RECPT	RECEPTACLE, OUTLET
RGS	RIGID GALVANIZED STEEL (CONDUIT)
RVSS	REDUCED VOLTAGE SOFT START
RTU	REMOTE TERMINAL UNIT
TV	TELEVISION MONITOR (SET)
TVSS	TRANS. VOLT. SURGE SUPPRESSOR
UF	UNDER FLOOR
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLT-AMP
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
WPI	WEATHERPROOF IN USE
XFMR	TRANSFORMER

ELECTRICAL SYMBOLS LEGEND

LIGHTING

- LIGHTING FIXTURE, RECESSED
- RECESSED DOWN LIGHT FIXTURE
- RECESSED DIRECTIONAL FIXTURE (ARROW INDICATES AIMING)
- LIGHTING FIXTURE, SURFACE MOUNTED
- SURFACE, PENDANT OR OTHER FIXTURE
- LARGE DIAMETER PENDANT, DEPICTING APPROXIMATE DIAMETER
- LIGHTING FIXTURE, WALL MOUNTED
- WALL-MOUNTED HID, INCANDESCENT, OR COMPACT FLUORESCENT FIXTURE
- LIGHTING FIXTURE, PENDANT OR CABLE HUNG
- LIGHT TRACK AND TRACK-MOUNTED FIXTURES
- BATH FAN WITH INTEGRAL LIGHT
- EXIT SIGN, SINGLE FACE WITH DIRECTIONAL ARROWS AS INDICATED
- EXIT SIGN, DOUBLE FACE WITH DIRECTIONAL ARROWS AS INDICATED
- EXIT SIGN, LOW LEVEL (LL)
- COMBINATION EXIT/EMERGENCY LIGHT FIXTURE MOUNTING HEIGHT: +8'-0" AFF, UON
- EMERGENCY FIXTURE MOUNTING HEIGHT: +8'-0" AFF, UON
- DENOTES FIXTURE CONNECTED TO EMERGENCY CIRCUIT
- ADJUSTABLE SPOT OR FLOOD (ARROW INDICATES AIMING)
- OUTDOOR SITE LIGHT, POLE MOUNTED LUMINAIRE ARROW INDICATES AIMING DIRECTION, IF APPLICABLE
- BOLLARD OR POST-TOP FIXTURE
- RECESSED LED LIGHTING 24X24

SWITCHING

- $ LIGHT SWITCH, SPST - MOUNTING HEIGHT: +44" AFF, UON
- $2 LIGHT SWITCH, DPST - MOUNTING HEIGHT: +44" AFF, UON
- $3 LIGHT SWITCH, 3-WAY - MOUNTING HEIGHT: +44" AFF, UON
- $a DENOTES SWITCH — LOW VOLTAGE SWITCH, MOMENTARY CONTACT, 3-POS., CENTER-OFF, MOUNTING HEIGHT: +44" AFF, UON
- $T TIMER SWITCH - MOUNTING HEIGHT: +44" AFF, UON
- 1a — DENOTES SWITCH; DENOTES CIRCUIT — CIRCUIT AND SWITCH DESIGNATION FOR LIGHTING FIXTURE
- 6R5 — DENOTES RELAY; DENOTES CIRCUIT — CIRCUIT AND RELAY DESIGNATION FOR LIGHTING FIXTURES (SEE CORRESPONDING LIGHTING CONTROL PANEL RELAY SCHEDULE)
- D1 DIMMER SWITCH - MOUNTING HEIGHT: +44" AFF, UON
- TC TIME CLOCK FOR LIGHTING CONTROL

POWER

- +48" — DUPLEX RECEPTACLE, 20A 125V 2P 3W, GROUNDING TYPE, MOUNTING HEIGHT: +18" AFF UON; DENOTES HEIGHT IN INCHES AFF (INTERIOR) AFG (EXTERIOR)
- $ DUPLEX RECEPTACLE - SPLIT WIRED, SWITCHED
- DUPLEX RECEPTACLE - EMERGENCY POWER
- C DUPLEX RECEPTACLE - CEILING MOUNTED
- FLOOR RECEPTACLE, 20A 125V 2P 3W, GROUNDING TYPE, FLUSH TYPE UON
- DOUBLE DUPLEX RECEPTACLE, 20A 125V 2P 3W, GROUNDING TYPE, MOUNTING HEIGHT: +18" AFF UON
- SINGLE RECEPTACLE, 20A 125V 2P 3W, GROUNDING TYPE, MOUNTING HEIGHT: +18" AFF UON
- SPECIAL PURPOSE RECEPTACLE AS DESIGNATED SEE 'SPECIAL SYMBOLS' ON EACH SHEET
- DUAL SERVICE RECESSED FLOOR BOX WITH DUPLEX AND DATA RECEPTACLES
- J JUNCTION BOX, CODE SIZED UON
- FLOOR JUNCTION BOX
- DISCONNECT SWITCH - FUSED WHERE APPLICABLE
- MOTOR STARTER, COMBINATION WITH DISCONNECT SWITCH
- MOTOR STARTER OR CONTROLLER
- MOTOR CONNECTION
- CEILING EXHAUST FAN
- WH WATER HEATER
- P POWER POLE: P=POWER, T=TELEPHONE, D=DATA, C=COMBINATION
- TEST PORT
- GROUND ROD
- GUY WIRE AND ANCHOR
- THERMOSTAT (SEE MECHANICAL DRAWINGS) COORDINATE MOUNTING HEIGHT
- BT BYPASS TIMER OR TIME SWITCH
- PUSHBUTTON
- LC LIGHTING CONTACTOR

COMMUNICATION

- CCTV CAMERA, CEILING MOUNT
- I INTERCOM CALL IN SWITCH - MOUNTING HEIGHT: +44" AFF, UON
- TELEPHONE OUTLET FOR WALL MOUNTED TELEPHONE MOUNTING HEIGHT: +44" AFF UON
- DATA OUTLET - MOUNTING HEIGHT: +18" AFF UON
- 2T — DENOTES # OF TELEPHONE JACKS; TELEPHONE/DATA OUTLET, FLUSH TYPE UON MOUNTING HEIGHT: +18" AFF UON; DENOTES # OF DATA JACKS
- 1,2 SURFACE RACEWAY WITH POWER AND TELEPHONE/DATA RECEPTACLES AS INDICATED
- TV CATV OUTLET - MOUNTING HEIGHT: +96" AFF UON
- AV AUDIO/VIDEO OUTLET - MOUNTING HEIGHT: +18" AFF UON
- C CLOCK WITH BUZZER - MOUNTING HEIGHT: SEE PLANS
- B BELL, STANDARD 6" - MOUNTING HEIGHT: SEE PLANS PA SYSTEM
- S SPEAKER - WALL MOUNTED
- S PA SYSTEM SPEAKER - CEILING MOUNTED
- S PA SYSTEM HORN - MOUNTING HEIGHT: SEE PLANS

EQUIPMENT

- MAIN SWITCHBOARD
- DISTRIBUTION PANEL BOARD
- COMBINATION METER/MAIN SERVICE PANEL
- OR — BRANCH CIRCUIT PANEL BOARD, SURFACE OR FLUSH MOUNTED
- OR — LIGHTING CONTROL PANEL
- OR — SIGNAL TERMINAL CABINET OR CONTROL PANEL SURFACE OR FLUSH MOUNTED
- SIGNAL TERMINAL BACKBOARD
- N30 CONCRETE UNDERGROUND HAND HOLE (NUMBER DENOTES CHRISTY SIZE)
- T OR — TRANSFORMER

CONDUIT

- CONDUIT INSTALLED ABOVE GRADE
- CONDUIT INSTALLED UNDERGROUND OR UNDER SLAB
- CONDUIT STUB-OUT WITH CAP
- FLEXIBLE CONDUIT WHIP TO LIGHT FIXTURE OR EQUIPMENT
- INDICATES CIRCUIT BREAKER I.D.
- L1-4 — INDICATES BRANCH PANEL
- CONDUIT HOME RUN TO DESIGNATED PANEL, TERMINAL, OR CONTROL CABINET EXAMPLES:
- L1-6,8 — COMMA INDICATES MULTIPLE SINGLE POLE CIRCUITS
- L1-10/12 — SLASH INDICATES MULTI-POLE CIRCUIT

NOTE FOR CONDUIT: THE TIC MARKS INDICATE THE QUANTITY OF #12 AWG WIRES OR, IF INDICATED, THE QUANTITY OF OTHER SIZE WIRE OR CABLES.

SEE THE SINGLE LINE DIAGRAM FOR FEEDER SIZES.
EXAMPLES: /// = (3) #12; // #10 = (2) #10; /// F1 = (1) TYPE F1 CABLE. SEE CABLE SCHEDULE.

OBJECT LINES

- NEW OBJECTS (HEAVY CONTINUOUS LINES, UNDERGROUND CONDUIT HEAVY DASHED LINES)
- EXISTING OBJECTS TO REMAIN, MAY INCLUDE NEW CIRCUITING ETC. (FINE CONTINUOUS LINES, UNDERGROUND CONDUIT FINE DASHED LINES)
- EXISTING OBJECTS TO BE DEMOLISHED (EXTRA FINE DASHED LINES, SCREENED)

ANNOTATION

- 1 KEYNOTE
- 10 RACEWAY, FEEDER OR CIRCUIT DESIGNATION (SEE SCHEDULE)
- DENOTES TYPE; A; 180 — DENOTES WATTS — LIGHTING FIXTURE TYPE DESIGNATION (SEE SCHEDULE)
- DETAIL NUMBER; 1; E-501 — DETAIL INDICATOR; SHEET NUMBER ON WHICH DETAIL APPEARS
- SECTION LETTER; A; E-301 — SECTION INDICATOR; SHEET NUMBER ON WHICH SECTION APPEARS
- WH; 1 — MECHANICAL EQUIPMENT DESIGNATION (SEE SCHEDULE)

PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENT ARE BASED ON PRE APPROVED INSTALLATION GUIDE (e.g., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOB SITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTUAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: SHALL COMPLY WITH WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #_____

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26, AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH REFERENCE NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

GENERAL ELECTRICAL NOTES

1. UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL EQUIPMENT INDICATED SHALL BE CONSIDERED NEW AND PROVIDED BY THE CONTRACTOR COMPLETE, INSTALLED, TESTED AND FUNCTIONING.
2. MAINTAIN AS BUILT CONDITIONS OF THE INSTALLATION DURING CONSTRUCTION AND SUBMIT THE FINAL CONSTRUCTED CONDITIONS TO THE OWNER/ARCHITECT FOR THEIR RECORDS.
3. ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH CODES, STANDARDS, AND ORDINANCES AS SET FORTH BY THE AUTHORITIES HAVING JURISDICTION AND THEIR LATEST ADOPTED EDITIONS OF THE FOLLOWING PUBLICATIONS:
   (A) CALIFORNIA CODE OF REGULATIONS TITLE 24; INCLUDES; 2022 CALIFORNIA ELECTRICAL CODE, CALIFORNIA FIRE CODE, CALIFORNIA BUILDING CODE, ETC.
   (B) NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
   (C) AMERICANS WITH DISABILITIES ACT (ADA)
4. INFORMATION SHOWN AS EXISTING CONDITIONS WAS PRIMARILY GAINED FROM "AS BUILT" DRAWINGS AND LIMITED FIELD INVESTIGATION. BEFORE CONSTRUCTION, VISIT SITE TO VERIFY EXISTING CONDITIONS AND MAKE ALLOWANCE FOR VARIATIONS FROM THAT SHOWN.
5. DEMOLITION WORK SHOWN WAS PREPARED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER DOES NOT REPRESENT THAT ALL ITEMS WHICH MAY REQUIRE DEMOLITION HAVE BEEN SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE SITE AND THE CONTRACT DOCUMENTS AND TO PERFORM ALL DEMOLITION AND RECONSTRUCTION WHICH MAY BE REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
6. INTERCEPT, EXTEND, REROUTE, REPULL CONDUCTORS AND OTHERWISE MODIFY EXISTING CONDUCTORS OF ALL SYSTEMS AS REQUIRED TO MAINTAIN AND/OR ESTABLISH PROPER FUNCTION AND SATISFY DESIGN INTENT. REMOVE ALL ABANDONED CONDUCTORS AND CONDUIT, UON.
7. PRIOR TO COMMENCING WORK, COORDINATE WITH CR REPRESENTATIVE. WHERE DISCONNECTING, MODIFYING OR WORKING ON EXISTING EQUIPMENT OR SYSTEMS, PROVIDE A WRITTEN METHOD OF PROCEDURE OUTLINING DATES, TIMES, DURATION AND DESCRIPTION OF PROPOSED WORK PRIOR TO COMMENCING WORK FOR APPROVAL.
8. PRIOR TO COMMENCING WORK, COORDINATE WITH OTHER TRADES TO PREVENT CONFLICTS.
9. ALL EQUIPMENT SHALL BE LISTED AND LABELED PER RECOGNIZED ELECTRICAL TESTING LABORATORY AND INSTALLED PER THE LISTING REQUIREMENTS AND THE MANUFACTURERS INSTRUCTIONS.
10. ALL EQUIPMENT SHALL BE GROUNDED PER THE REQUIREMENTS OF CEC ARTICLES 250. EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN ALL POWER SYSTEM RACEWAYS.
11. SEISMIC ANCHORAGE OF EXISTING NONSTRUCTURAL ITEMS SHALL BE IN ACCORDANCE WITH 2022 CBC

SHEET INDEX

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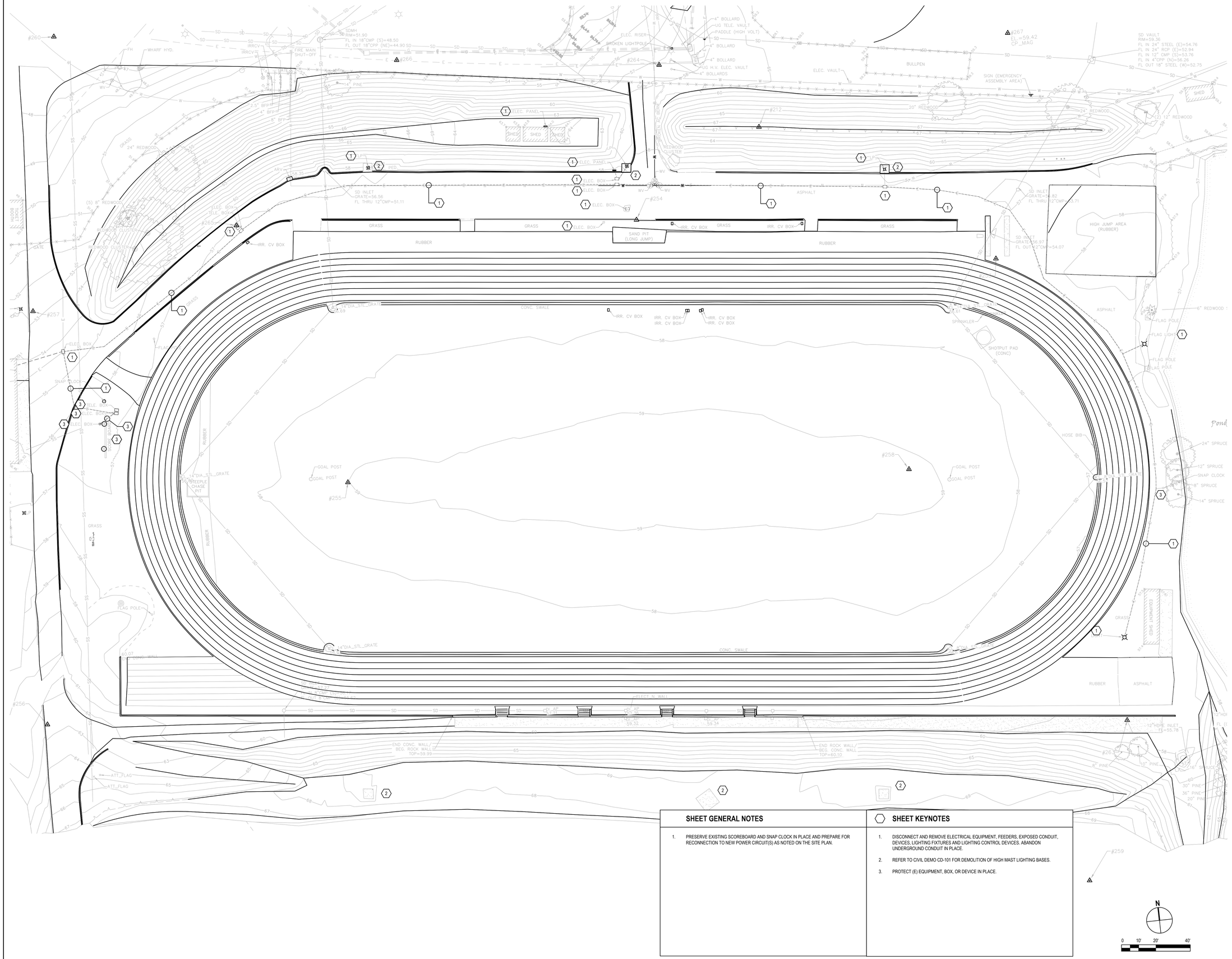

SHEET GENERAL NOTES

1. PRESERVE EXISTING SCOREBOARD AND SNAP CLOCK IN PLACE AND PREPARE FOR RECONNECTION TO NEW POWER CIRCUIT(S) AS NOTED ON THE SITE PLAN.

SHEET KEYNOTES

1. DISCONNECT AND REMOVE ELECTRICAL EQUIPMENT, FEEDERS, EXPOSED CONDUIT, DEVICES, LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES. ABANDON UNDERGROUND CONDUIT IN PLACE.
2. REFER TO CIVIL DEMO CD-101 FOR DEMOLITION OF HIGH MAST LIGHTING BASES.
3. PROTECT (E) EQUIPMENT, BOX, OR DEVICE IN PLACE.

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: 1" = 20'-0"

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EXISTING CONDITIONS & DEMOLITION PLAN

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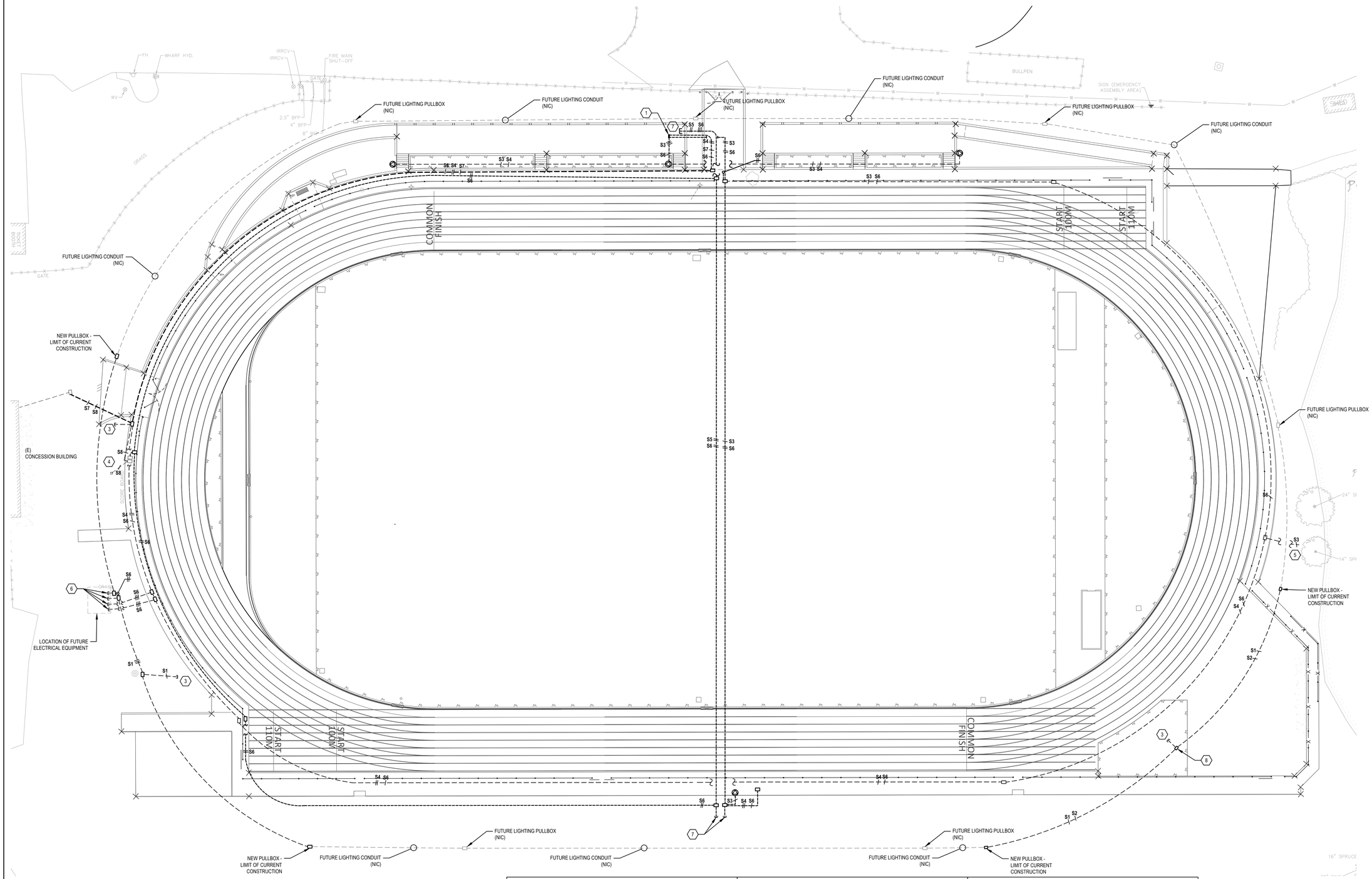

SHEET SPECIAL SYMBOLS

- S1 — SPARE 2" CONDUIT FOR FUTURE 480V LIGHTING CIRCUIT
- S2 — SPARE 2" CONDUIT FOR FUTURE 120/208V LIGHTING CIRCUIT
- S3 — 120V POWER CIRCUIT CONSISTING OF (2) #8 AWG, #8 AWG GND IN 1" CONDUIT. COMBINE UP TO 3 CIRCUITS IN A SINGLE CONDUIT. PROVIDE AN ADDITIONAL 1" CONDUIT FOR EACH ADDITIONAL 3 CIRCUITS.
- S4 — SPARE 1" CONDUIT
- S5 — 2" CONDUIT FOR AV FOR FUTURE ANNOUNCERS/SCORING TABLE
- S6 — SPARE 2" CONDUIT
- S7 — 100A 208V POWER CIRCUIT CONSISTING OF (4) #3/0 AWG, #3 AWG GND IN 2" CONDUIT FROM EXISTING CONCESSION BUILDING PANEL, FOR NEW PANEL POWER
- S8 — 20A 120V POWER CIRCUIT, CONSISTING OF (2) #10 AWG, #10 AWG GND IN 1" CONDUIT FOR SCOREBOARD POWER
- OUTDOOR POWER PEDESTAL. LEGRAND XPP2G30CD-BK OR EQUAL WITH DEDICATED POWER CIRCUIT AND (2) DUPLEX RECEPTACLES. PROVIDE CONCRETE BOLLARD BASE PER DETAIL 5/E501 AND CONNECT NEW FIELD PANELBOARD.

SHEET GENERAL NOTES

1. COORDINATE EXACT LOCATION OF LIGHTING PULLBOXES WITH SPORTS LIGHTING CONCEPT DRAWINGS, WHICH WILL BE PROVIDED AFTER THE BID, WITH QUANTITIES OF BOXES, BOX LOCATION, AND CONDUIT LENGTH APPROXIMATELY AS SHOWN HERE.
2. COORDINATE EXACT LOCATIONS OF POWER AND AV/COMM PULLBOXES WITH FILED ELEMENTS AND OTHER DISCIPLINES.
3. PROVIDE PULL LINES IN ALL SPARE CONDUITS.
4. WHERE NEW CONDUITS ARE INSTALLED IN LOCATIONS WITH ROOT BARRIERS, INSTALL CONDUIT BELOW ROOT BARRIER.

SHEET KEYNOTES

1. PROVIDE (N) 100-A, 30-CIRCUIT NEMA 3R FIELD PANELBOARD. COORDINATE LOCATION IN FIELD. PROVIDE UNISTRUT SUPPORT AND CONCRETE PAD PER DETAIL 3 ON SHEET E501.
2. PROVIDE PULLBOX, CHRISTY NO9 OR EQUAL WITH BASE AND BOLT-DOWN STEEL COVER.
3. STUB UP 2" CONDUIT WITH PULLSTING FOR FUTURE STADIUM LIGHTING.
4. RECONNECT (E) SCORE BOARD TO (N) POWER CIRCUIT.
5. RECONNECT (E) SNAP CLOCK TO (N) POWER CIRCUIT.
6. PROVIDE (6) 2" CONDUITS CAPPED 2' FROM PULLBOX FOR FUTURE USE.
7. PROVIDE (2) 2" CONDUITS AND CAPPED 2' FROM PULLBOX FOR FUTURE USE.
8. COORDINATE EXACT LOCATION OF THIS PULLBOX TO FALL IN THE TURF AREA BETWEEN TRACK AND HIGH JUMP AREA.

N

0 10' 20' 40'

SITE PLAN
SCALE: 1" = 20'-0"

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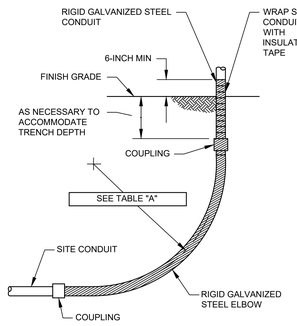
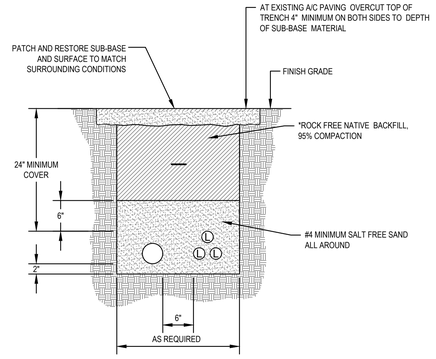


TABLE "A" - RGS

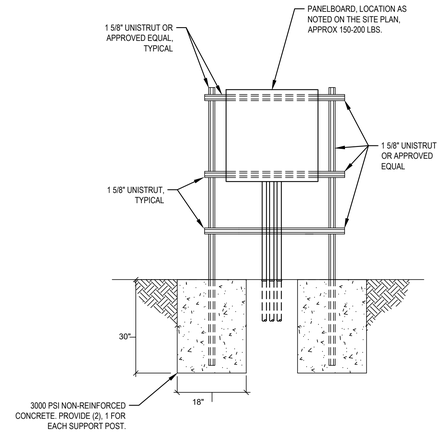
CONDUIT SIZE	MINIMUM ELBOW RADIUS REQUIREMENTS	
	RUNS 0-100 FEET	RUNS GREATER THAN 101 FEET
1/2-INCH	4-INCH	4-INCH
3/4-INCH	4 1/2-INCH	4 1/2-INCH
1-INCH	5 3/4-INCH	5 3/4-INCH
1 1/4-INCH	7 1/4-INCH	7 1/4-INCH
1 1/2-INCH	8 1/4-INCH	8 1/4-INCH
2-INCH	9 1/2-INCH	9 1/2-INCH
2 1/2-INCH	10 1/2-INCH	11 7/16-INCH
3-INCH	13-INCH	13 3/4-INCH
4-INCH	16-INCH	18 1/4-INCH
5-INCH	24-INCH	-
6-INCH	30-INCH	-

1 TYPICAL CONDUIT STUB UP NOT TO SCALE



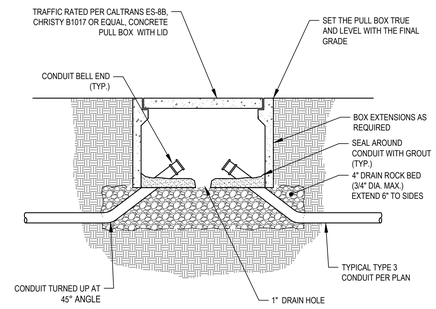
NOTE:
MAINTAIN A MINIMUM VERTICAL SEPARATION OF 12" WHEN CROSSING UTILITIES. ROUTE CONDUIT EITHER ABOVE OR BELOW OTHER UTILITIES AS NECESSARY TO ACHIEVE THIS SEPARATION WHILE MAINTAINING THE MINIMUM BACKFILL COVERAGE.

2 TYPICAL ELECTRICAL TRENCH NOT TO SCALE



NOTES
1. COORDINATE SIZE OF FRAME WITH ACTUAL DIMENSIONS OF ENCLOSURES AS SHIPPED.

3 UNISTRUT ENCLOSURE /EQUIPMENT SUPPORT NOT TO SCALE



4 TYPICAL ELECTRICAL PULLBOX NOT TO SCALE

DETAILS
SCALE: AS SHOWN

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IBP project number: 22079.00

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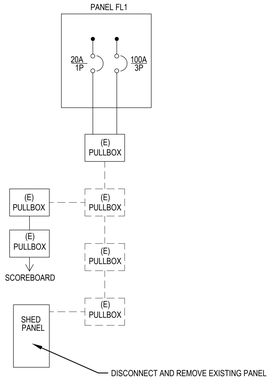
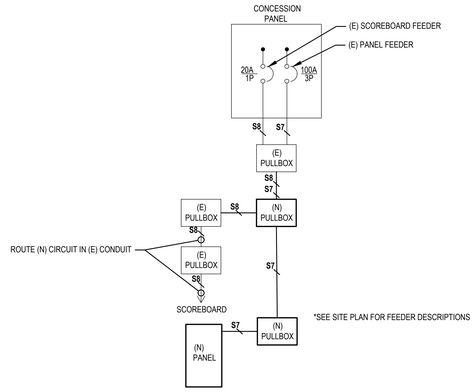
drawing no.:
E-501



1 DEMO SINGLE LINE



2 PHASE 1 SINGLE LINE

SINGLE LINE DIAGRAM
SCALE: AS SHOWN

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	12/6/2023	BID SET

drawing title:
SINGLE LINE DIAGRAM

drawing no.:
E-601

LEGEND

- SYNTHETIC TURF
- RUBBERIZED SURFACING
- CONCRETE PAVING
- JUMP PIT SAND

NORTH

0 20' 40'

SCALE: 1" = 20'

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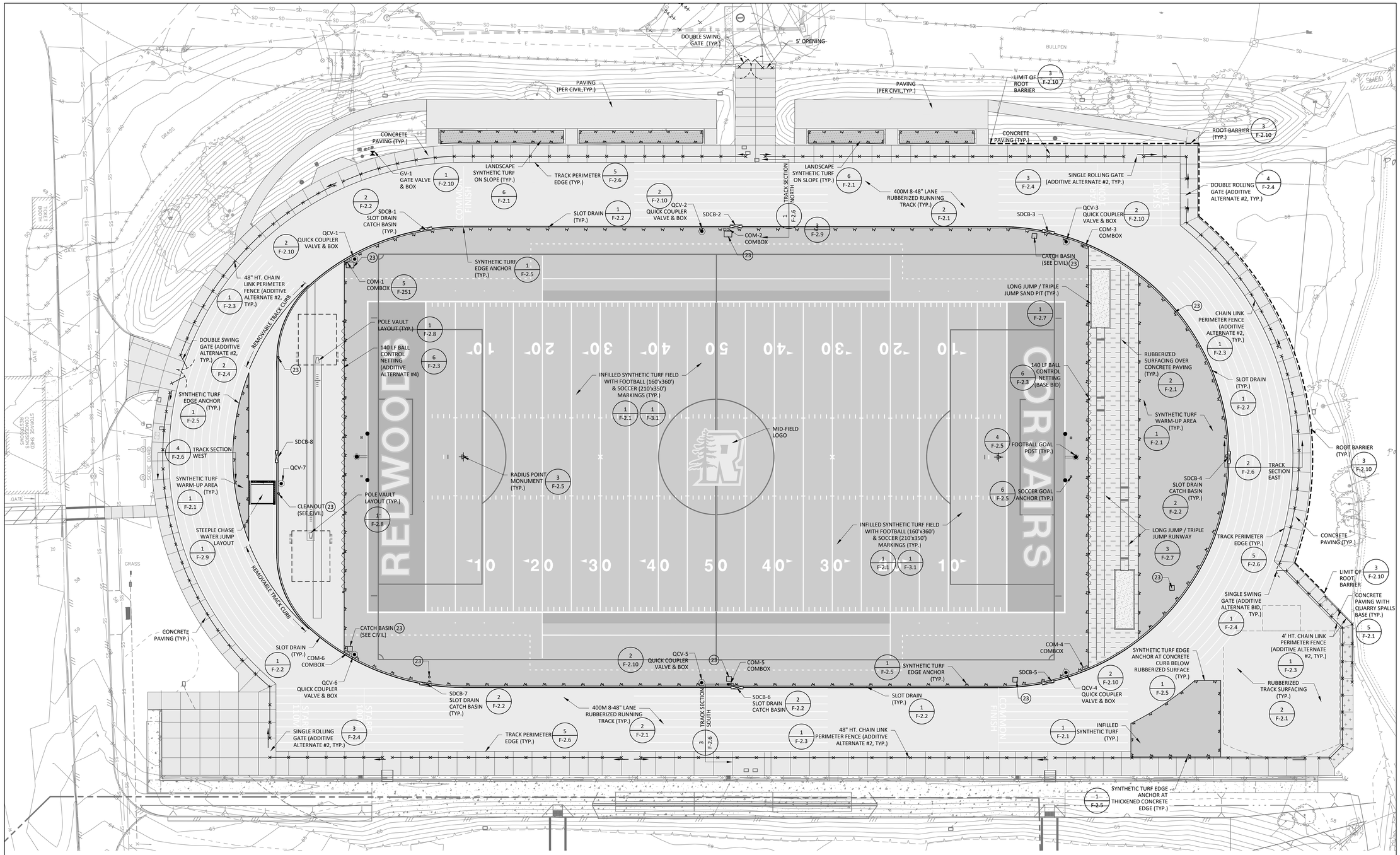
	12/06/23	BID SET

drawing title:

FIELD AND TRACK COLOR LAYOUT PLAN

drawing no.:

F-1.0



LAYOUT NOTES

NOTE LEGEND

1. (INDICATES GENERAL CONSTRUCTION NOTE)
3. (INDICATES SPECIFIC CONSTRUCTION KEYNOTE)

1. FURNISH AND INSTALL PERMEABLE FIELD BASE MATERIALS AND SYNTHETIC TURF EDGE ANCHORING SYSTEM FOR THE ENTIRE SYNTHETIC TURF FIELD AREA.
2. FURNISH AND INSTALL SANDWICH SYSTEM WITH LIGHT ENCAPSULATION RUBBERIZED SURFACING SYSTEM FOR THE DESIGNATED TRACK AND FIELD EVENT AREAS.
3. 400 METER, 8 LANE, RUBBERIZED RUNNING TRACK SURFACE SHALL BE INSTALLED ON AN ASPHALTIC CONCRETE BASE. RUNNING LANES WIDTHS SHALL BE 48 INCHES.
4. THE TRACK SHALL COMPLY WITH THE CURRENT NCAA RULES AND REGULATIONS. THE INTERIOR EDGE SHALL INCLUDE A 2 INCH ALUMINUM REMOVABLE RAIL ANCHORED TO THE UNDERLYING CONCRETE.
5. PRIOR TO INSTALLATION OF RUBBERIZED SURFACING, THE ASPHALT AND CONCRETE PAVING SHALL BE CHECKED FOR PLANARITY BY THE ENGINEER, GENERAL CONTRACTOR, AND TRACK VENDOR. THE FINISH SURFACE PLANARITY OF THE ASPHALT AND CONCRETE PAVEMENT FOR THE TRACK AND RUBBERIZED FIELD EVENT AREAS SHALL NOT DEVIATE MORE THAN 1/8" WHEN MEASURED WITH A 10 FOOT STRAIGHT EDGE IN ANY DIRECTION.
6. APPLY MOISTURE SEALER TO THE SURFACE OR AN UNDERLYING VAPOR BARRIER AS MAY BE NECESSARY TO ASSURE COMPLETE BOND OF POLYURETHANE RUBBERIZED SURFACING TO THE CONCRETE PAVING AT LONG/TRIPLE JUMP RUNWAYS.
7. THOROUGHLY CLEAN AND PRESSURE WASH THE TRACK BASE ASPHALT TO REMOVE ALL SURFACE MATERIALS THAT WILL IMPACT THE BOND BETWEEN THE UNDERLYING PAVING AND THE NEW SURFACING MATERIALS. THIS SHALL INCLUDE THE REMOVAL OF OIL, GREASE, DUST, SILT, AND ANY OTHER FOREIGN MATERIALS.
8. APPLY A POLYURETHANE PRIMER TO ALL AREAS TO RECEIVE RUBBERIZED SURFACING.
9. THE CONTRACTOR SHALL PROTECT ALL ADJACENT AREAS FROM ANY OVERSPRAY FROM THE RUBBERIZED SURFACING SYSTEM INSTALLATION. TAPE PLASTIC SHEETING AT TURF EDGE ANCHOR FOR SYNTHETIC TURF FIELD PROTECTION AND COVER CHAINLINK FENCING AND SURROUNDING SURFACES AS REQUIRED TO PROTECT FROM OVERSPRAY.
10. UPON COMPLETION OF THE INSTALLATION AND CLEANING OF ALL RUBBERIZED TRACK AND FIELD EVENT SURFACES, THE SURFACING CONTRACTOR SHALL COORDINATE AN INSPECTION IN CONJUNCTION WITH THE PROJECT ENGINEER, SITEWORK CONTRACTOR, AND OWNERS REPRESENTATIVE. THE TRACK & FIELD EVENT SURFACING CONTRACTOR WILL PERFORM A COMPREHENSIVE INSPECTION OF THE SURFACE UNIFORMITY, PLANARITY, AND GENERAL CONDITION FOR APPROVAL PRIOR TO COMMENCING THE EVENT STRIPING AND MARKING LAYOUT AND PAINTING. PROVIDE PAINTED LINES AND STRIPING FOR TRACK AND FIELD EVENT AREAS IN ACCORDANCE WITH CURRENT NCAA RULES AND REGULATIONS. UPON APPROVAL OF THE SURFACING AND AS SOON AS CONDITIONS ALLOW, THE SURFACING CONTRACTOR SHALL BEGIN APPLICATION OF THE TRACK AND FIELD STRIPING AND MARKINGS AS SPECIFIED AND APPROVED, AS FURTHER ILLUSTRATED ON THE APPROVED SHOP DRAWING(S). THE SURFACE SHALL BE INSTALLED SO THAT ON A LOCALIZED LEVEL, THERE SHALL BE NO HIGH SPOTS OR DEPRESSIONS BENEATH A 4M STRAIGHTEDGE EXCEEDING 6MM. DEPRESSIONS BENEATH A 1M STRAIGHTEDGE SHALL NOT EXCEED 3MM. THERE SHALL BE NO STEP-LIKE IRREGULARITIES GREATER THAN 1MM IN HEIGHT. PARTICULAR ATTENTION SHALL BE PAID TO SEAMS AND JOINTS IN THE SURFACE. THE INTENT IS TO ENSURE THE SAFETY OF THE ATHLETE AND PROVIDE AN EVEN RUNNING SURFACE.
11. FURNISH AND INSTALL LINES AND MARKINGS FOR THE SHOT PUT THROWING CIRCLES.
12. PROVIDE APPROVED RUBBERIZED TRACK SURFACING AND A COMPLETE PIGMENTED FULL-POUR TWO-COMPONENT URETHANE "PLUG" FOR EACH POLE VAULT BOX.
13. PROVIDE A COMPLETE PIGMENTED FULL-POUR TWO-COMPONENT URETHANE "PLUG" FOR EACH LONG/TRIPLE JUMP TAKE-OFF BOARD TRAY.
14. PROVIDE APPROVED RUBBERIZED TRACK SURFACING ON ALL CATCH BASIN AND MANHOLE LIDS AS APPLICABLE. PROVIDE COVERING, CUT TO RELEASE WITH A MINIMUM OF GAP, AND DEMONSTRATE REMOVAL AND REPLACEMENT OF SAME.
15. REFER TO F-1.6 FIELD LAYOUT AND CONTROL PLAN FOR FIELD AND TRACK DIMENSIONING.
16. FURNISH AND INSTALL TWO PORTABLE SOCCER GOALS. PROVIDE 2 GROUND ANCHOR WITH TURF COVER FOR EACH SOCCER GOAL
17. REFER TO SHEET F-1.5 FOR FENCE INFORMATION AND LOCATIONS OF GATES AND OPENINGS. REFER TO CIVIL FOR PERIMETER FENCING.
18. SEE ELECTRICAL SHEETS FOR LIGHT POLES, COMBOX AND HAND HOLE LOCATIONS.
19. FURNISH AND INSTALL RUBBERIZED SURFACING ON COMBOX AND QUICK COUPLING VALVE BOX COVERS.
20. FURNISH AND INSTALL EDGE ANCHOR AROUND CATCH BASIN AND QUICK COUPLING VALVE BOXES.
21. RESTORE AND HYDROSEED ALL DISTURBED, NON-SURFACED AREAS. SEE CIVIL OR LANDSCAPE PLANS
22. REMOVE THE TREE ROOTS FROM THE TRACK BASE ALONG THE EASTERN LIMIT OF CONCRETE. CONTRACTOR TO INSTALL A ROOT BARRIER TRENCH WITH CONCRETE BACKFILL TO PREVENT FUTURE DAMAGE TO THE TRACK. INSTALL ROOT BARRIER AT OUTSIDE EDGE OF CONCRETE PAVING.
23. CONTRACTOR TO INSTALL RUBBERIZED OR SYNTHETIC TURF SURFACING COVERS ON CATCH BASIN (PER DETAIL 5 ON SHEET F-2.2) AND CLEANOUTS (PER DETAIL 6 ON SHEET F-2.2) .

LAYOUT LEGEND

- INFILLED SYNTHETIC TURF OVER BASE BID: PERMEABLE AGGREGATE; ADDITIVE ALTERNATE #1: SUPPLEMENTAL PAD OVER PERMEABLE AGGREGATE
- LANDSCAPE SYNTHETIC TURF ON SLOPE
- RUBBERIZED SURFACING OVER ASPHALT PAVING BASE BID: BASE MATT - STRUCTURAL SPRAY; ADDITIVE ALTERNATE #3: SEALED BASE MATT - STRUCTURAL SPRAY
- RUBBERIZED SURFACING OVER CONCRETE PAVING BASE BID: BASE MATT - STRUCTURAL SPRAY; ADDITIVE ALTERNATE #3: SEALED BASE MATT - STRUCTURAL SPRAY
- CONCRETE PAVING
- CONCRETE PAVING WITH QUARRY SPALLS BASE
- SAND
- CONCRETE PAVING UNDER OTHER PROJECTS
- CHAINLINK FENCE (ADDITIVE ALTERNATE #2) AND CONCRETE CURB
- CHAINLINK FENCE (ADDITIVE ALTERNATE #2)
- CONCRETE CURBING
- LIMIT OF SYNTHETIC TURF AND CONCRETE EDGE ANCHOR
- CATCH BASIN (SEE CIVIL PLANS)
- CLEANOUT (SEE CIVIL PLANS)
- EXISTING CATCH BASIN INLET
- SLOT DRAIN CATCH BASIN
- SLOT DRAIN

NORTH

0 20' 40'

SCALE: 1" = 20'

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FIELD AND TRACK LAYOUT PLAN

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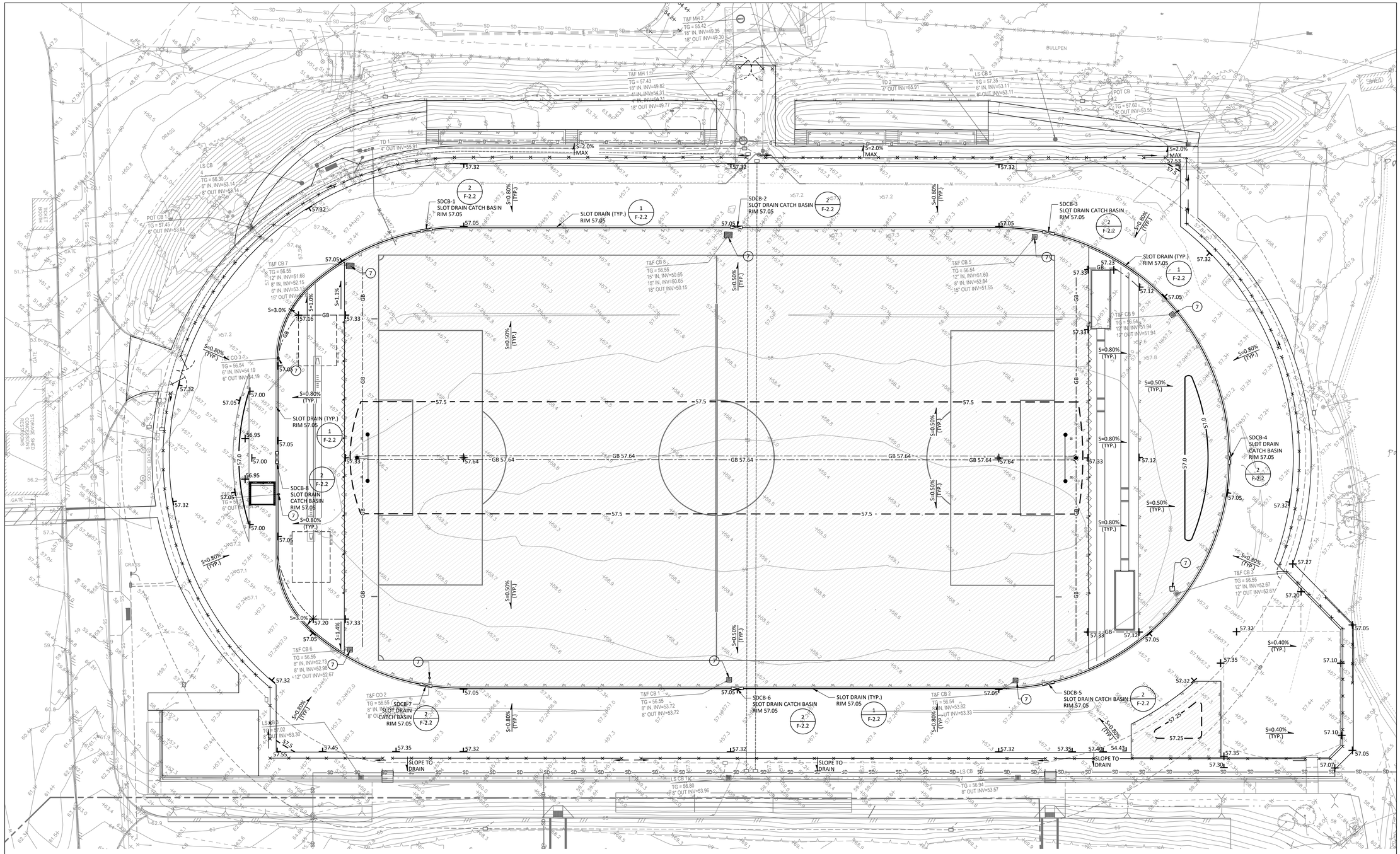
F-1.1



FIELD AND TRACK ELEVATIONS

SYNTHETIC TURF FIELD:

CENTERLINE:

FINISHED GRADE OF SYNTHETIC TURF INFILL (1.5"):	57.64
FINISHED GRADE OF SUPPLEMENTAL PAD (1"):	57.51
FINISHED GRADE OF TOP COURSE PERMEABLE AGGREGATE (2"):	57.43
FINISHED GRADE OF BASE COURSE PERMEABLE AGGREGATE (8"):	57.26
SUBGRADE ELEVATION:	56.60

FIELD EDGE:

FINISHED GRADE OF SYNTHETIC TURF INFILL (1.5"):	57.05
FINISHED GRADE OF SUPPLEMENTAL PAD (1"):	56.92
FINISHED GRADE OF TOP COURSE PERMEABLE AGGREGATE (2"):	56.84
FINISHED GRADE OF BASE COURSE PERMEABLE AGGREGATE (8"):	56.67
SUBGRADE ELEVATION:	56.00

RUBBERIZED RUNNING TRACK AREAS:

INSIDE EDGE:

FINISHED GRADE OF RUBBERIZED SURFACING (0.5"):	57.05
FINISHED GRADE OF ASPHALT PAVING (2ND LIFT - 1.5")):	57.01
FINISHED GRADE OF ASPHALT PAVING (1ST LIFT - 2"):	56.88
FINISHED GRADE OF AGGREGATE BASE (8"):	56.72
SUBGRADE ELEVATION:	56.05

OUTSIDE EDGE:

FINISHED GRADE OF RUBBERIZED SURFACING (0.5"):	57.32
FINISHED GRADE OF ASPHALT PAVING (2ND LIFT - 1.5")):	57.28
FINISHED GRADE OF ASPHALT PAVING (1ST LIFT - 2"):	57.15
FINISHED GRADE OF AGGREGATE BASE (8"):	56.98
SUBGRADE ELEVATION:	56.32

GRADING NOTES

1. THE CONTRACTOR SHALL CALL AND NOTIFY DIGALERT AT 8-1-1 A MINIMUM OF 2 WORKING DAYS BEFORE DEMOLITION, DIGGING, OR GRADING OPERATIONS OCCUR.
2. NEW CONTOURS SHOWN ARE FINISH GRADE ELEVATIONS.
3. BACKFILL AND COMPACT EXCAVATED AREAS RESULTING FROM DEMOLITION ACTIVITIES WITH SELECT FILL TO 95% WITH 12" MAX LIFTS.
4. STRIP FIELD AREA OF EXISTING SOD AND ORGANIC MATERIALS AND DISPOSE OF OFF SITE. ALL EXCESS AND UNSUITABLE SOIL MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF SITE.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN THE EVENT OR DISCOVERY OF POOR SOILS, GROUNDWATER OR DISCREPANCIES IN THE EXISTING CONDITIONS AS NOTED ON THE PLANS.
6. ALL PERIMETER PAVING SHALL MEET AND MATCH ADJACENT SURFACES.
7. RIM ELEVATIONS PER CIVIL PLANS. ADJUST RIM TO ACCOMMODATE RUBBERIZED OR SYNTHETIC TURF SURFACING COVERS ON CATCH BASIN (PER DETAIL 5 ON SHEET F-2.2) AND CLEANOUTS (PER DETAIL 6 ON SHEET F-2.2) .
8. SEE CIVIL PLANS FOR ALL PERIMETER GRADING.

NOTE LEGEND

1. (INDICATES GENERAL CONSTRUCTION NOTE)
3. (INDICATES SPECIFIC CONSTRUCTION KEYNOTE)

GRADING LEGEND

- EXISTING CONTOUR LINES
- SPOT ELEVATION
- NEW CONTOUR LINES
- NEW HALF CONTOUR LINES
- SURFACE SLOPE
- CONSTANT SURFACE SLOPE
- MATCH TO EXISTING
- GRADE BREAK
- LIMIT OF PERMEABLE AGGREGATE
- CHAINLINK FENCE AND CONCRETE CURB
- CHAINLINK FENCE
- CATCH BASIN (SEE CIVIL PLANS)
- CLEANOUT (SEE CIVIL PLANS)
- EXISTING CATCH BASIN INLET
- SLOT DRAIN CATCH BASIN
- SLOT DRAIN

811 Know what's below. Call before you dig.

NORTH

SCALE: 1" = 20'

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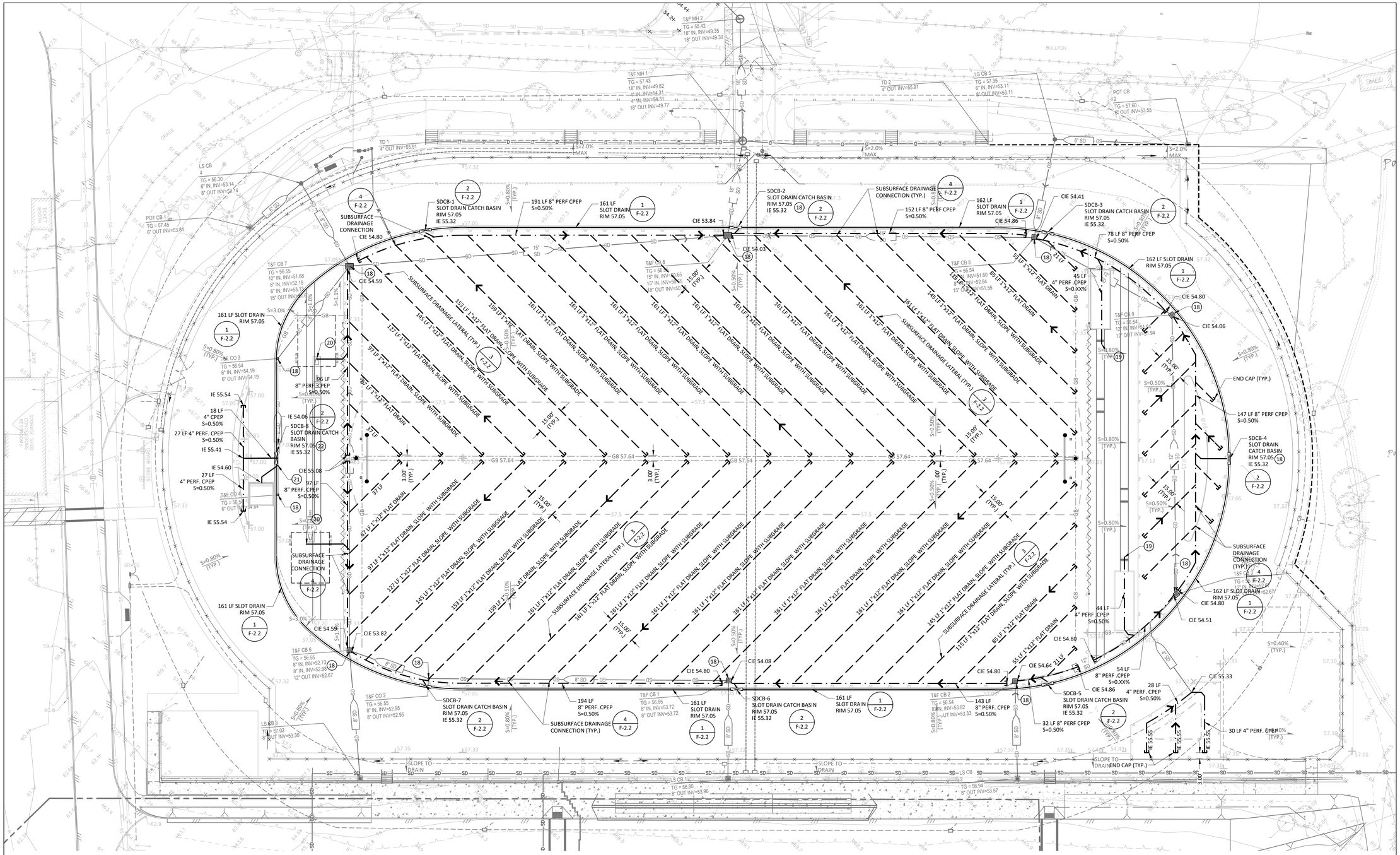
FIELD & TRACK GRADING PLAN

drawing no.:

F-1.2



DRAINAGE NOTES

1. SUBSURFACE DRAINAGE COLLECTOR PIPE CAN BE INSTALLED PRIOR TO FINAL ACCEPTANCE OF THE FIELD SUBGRADE.
2. COORDINATION: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE IRRIGATION PIPING IS INSTALLED AT A SUFFICIENT DEPTH BELOW SUBGRADE BEFORE THE TRENCHING FOR THE SUBSURFACE DRAINAGE SYSTEMS TO AVOID CONFLICTS BETWEEN SYSTEMS.
3. TRENCHING FOR THE SUBSURFACE DRAINAGE LATERALS SHALL NOT PROCEED UNTIL THE IRRIGATION SYSTEM PIPING HAS BEEN BACKFILLED AND COMPACTED AND THE FIELD SUBGRADE IS APPROVED BY ENGINEER.
4. TRENCH EXCAVATION SHALL BE MADE TO THE ALIGNMENT, ELEVATION, GRADE AND SLOPE AS INDICATED ON THE DRAWINGS. TRENCHING SHALL BE ACCOMPLISHED UTILIZING EQUIPMENT WITH SLOPE AND DEPTH CONTROL, SUCH AS "LASER PLANE CONTROL SYSTEM", SO AS TO ENSURE ACCURACY IN THE BOTTOM OF THE TRENCH.
5. NO HIGH POINTS ABOVE DESIGNATED INVERT OR CALCULATED TRENCH BOTTOM ELEVATION WILL BE PERMITTED. NO SLOUGHING OF SITE MATERIAL OR LOOSE EXCAVATED SOIL WILL BE PERMITTED TO REMAIN IN THE TRENCHES.
6. SURPLUS EXCAVATED SOIL SHALL BE REMOVED FROM THE FIELD AREA PRIOR TO COMMENCING ON THE NEXT ADJACENT TRENCH. EXCAVATED MATERIAL MAY NOT REMAIN ON SUBGRADE.
7. PROVIDE A SMOOTH, EVEN SUBGRADE AFTER REMOVAL OF THE TRENCH MATERIAL. SUBGRADE TO BE COMPACTED TO 95%. LEAVE NO LOOSE MATERIAL ON THE SUBGRADE.
8. EXCAVATION BELOW INVERT GRADE MUST BE ESTABLISHED TO A DEPTH SO AS TO PROVIDE FOR SPECIFIED PLACEMENT OF PEA GRAVEL BEDDING AT BOTTOM OF PIPE ELEVATION PRIOR TO LAYING THE PERFORATED PIPE.
9. NO FOREIGN MATERIAL WILL BE PERMITTED INSIDE, ALONGSIDE, UNDER, OR ON TOP OF THE PERFORATED DRAIN PIPE.
10. THE BACKFILL FOR ALL PERFORATED PIPE SHALL BE CLEAN WASHED PEA GRAVEL. REFER TO THE SPECIFICATIONS FOR THE GRADATION REQUIREMENTS.
11. ALL TRENCHES TO HAVE BACKFILL MATERIAL "CROWNED" A MINIMUM OF 2" ABOVE SUBGRADE TO PROTECT FROM FOREIGN MATERIAL AND PROVIDE FOR EASE OF LOCATION IDENTIFICATION. CROWNS WITH FOREIGN MATERIAL CONTAMINATION SHALL BE REMOVED PRIOR TO PLACEMENT OF BASE AGGREGATE.
12. DURING PLACEMENT OF SPECIFIED TRENCH BACKFILL, PIPE MUST BE HELD IN PLACE TO PREVENT DISPLACEMENT AND PROVIDE FOR ACHIEVING SPECIFIED INVERT ELEVATION. DO NOT DAMAGE PIPE OR ALLOW PIPE TO BE DISPLACED BY PLACEMENT OF BACKFILL MATERIAL.
13. CAP THE ENDS OF ALL LATERAL RUNS. ALL OPEN ENDS DURING CONSTRUCTION ARE TO BE TEMPORARILY CAPPED OR PLUGGED.
14. CONNECTION OF LATERALS TO COLLECTOR DRAINS SHALL BE MADE WITH A COMBINATION REDUCING TEE AND REDUCING SADDLE TEE.
15. NO TRUCKS OR EQUIPMENT WILL BE ALLOWED TO DRIVE OVER THE TOP OF THE TRENCHES EXCEPT TRACK-EQUIPPED MACHINERY UTILIZED IN SPREADING BASE AGGREGATE. BACKFILLED TRENCHES ARE TO BE STAKED AND FLAGGED 3' ABOVE GRADE AT MAXIMUM 30' SPACING FOR IDENTITY.
16. COORDINATE SUBSURFACE DRAINAGE COLLECTOR LOCATION TO AVOID FENCE POST LOCATIONS.
17. BACKFILL AT TRENCHES CROSSING TRACK TO BE LEAN CONCRETE OR CDF TO TOP OF SUBGRADE.
18. RIM ELEVATIONS PER CIVIL PLANS. ADJUST RIM TO ACCOMMODATE RUBBERIZED OR SYNTHETIC TURF SURFACING COVERS ON CATCH BASIN (PER DETAIL 5 ON SHEET F-2.2) AND CLEANOUTS (PER DETAIL 6 ON SHEET F-2.2) .
19. CONNECT DRAIN FROM TAKEOFF BOARD ASSEMBLIES TO LATERAL OR COLLECTOR PIPING. SLOPE TO DRAIN.
20. CONNECT DRAIN FROM POLE VAULT BOX TO LATERAL OR COLLECTOR PIPING. SLOPE TO DRAIN.
21. CONNECT STEEPLE CHASE DRAIN TO STORM DRAIN PIPE (SEE CIVIL).
22. CONNECT SLOT DRAIN CATCH BASIN TO STORM DRAIN PIPE (SEE CIVIL).

NOTE LEGEND

1. (INDICATES GENERAL CONSTRUCTION NOTE)
3. (INDICATES SPECIFIC CONSTRUCTION KEYNOTE)

DRAINAGE LEGEND

- END CAP
- PERFORATED CPEP COLLECTOR (SIZE AS SHOWN)
- 1"x12" FLAT DRAIN TUBING
- CPEP STORM DRAIN PIPE
- S=0.50% SLOPE
- FLOW DIRECTION
- IE 414.30 INVERT ELEVATION
- CIE 413.00 COLLECTOR INVERT ELEVATION
- CATCH BASIN (SEE CIVIL PLANS)
- CLEANOUT (SEE CIVIL PLANS)
- EXISTING CATCH BASIN INLET
- SLOT DRAIN CATCH BASIN
- SLOT DRAIN
- SD STORM DRAIN PIPING (SEE CIVIL)

NORTH

0 20' 40'

SCALE: 1" = 20'

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drawing title:
FIELD AND TRACK DRAINAGE PLAN

drawing no.:
F-1.3

GV-1 GATE VALVE & BOX — 1 / F-2.10

QCV-1 QUICK COUPLER VALVE & BOX — 2 / F-2.10

QCV-2 QUICK COUPLER VALVE & BOX — 2 / F-2.10

COM-2 COMBOX — 3 / F-2.9

QCV-3 QUICK COUPLER VALVE & BOX — 2 / F-2.10

COM-3 COMBOX — 3 / F-2.9

COM-1 COMBOX — 3 / F-2.9

(2) 2" CONDUIT (TYP.)

3" SCH 40 PVC IRRIGATION MAINLINE (TYP.)

QCV-7 QUICK COUPLER VALVE & BOX — 2 / F-2.10

COM-6 COMBOX — 3 / F-2.9

QCV-6 QUICK COUPLER VALVE & BOX — 2 / F-2.10

QCV-5 QUICK COUPLER VALVE & BOX — 2 / F-2.10

COM-5 COMBOX — 3 / F-2.9

COM-4 COMBOX — 3 / F-2.9

QCV-4 QUICK COUPLER VALVE & BOX — 2 / F-2.10

WASHWATER NOTES

1. COORDINATE QUICK COUPLING VALVE LOCATIONS TO CORRESPOND TO THE CONCRETE EDGE ANCHOR AT THE SYNTHETIC TURF FIELD.
2. COORDINATE IRRIGATION PIPING TO AVOID UNDERGROUND UTILITIES.
3. COORDINATE IRRIGATION PIPING AND FENCE POSTS TO AVOID CONFLICT.
4. ALL IRRIGATION MAINLINES CROSSING UNDER SIDEWALKS, AND ASPHALT PAVING SHALL BE SLEEVED. SLEEVES SHALL BE PVC SCH 40. BURY MINIMUM 24" DEPTH. MINIMUM DISTANCE PAST EDGE OF PAVED SURFACE SHALL BE 24". SLEEVES SHALL BE TWICE THE DIAMETER OF THE PIPE BEING SLEEVED. SLEEVES ARE REQUIRED, WHETHER OR NOT INDICATED IN PLAN.
5. BACKFILL AT TRENCHES CROSSING TRACK AND D-ZONE TO BE LEAN CONCRETE OR CDF TO TOP OF SUBGRADE/ BOTTOM OF PERMEABLE AGGREGATE, ALLOWING DRAINAGE LATERAL INSTALLATION.

WASHWATER LEGEND

⧗	2" GATE VALVE AND BOX	M AND H 4067-07 OR APPROVED EQUAL
◉	1" QUICK COUPLER VALVE AND BOX	RAINBIRD 44LRC W/ LOCKING VINYL LID IN TURF COOL BOX
——·——·——	SCH 40 PVC IRRIGATION MAIN LINE	3"
——//——·——	CONNECT TO EXISTING	
▭	COMBOX	
—— C ——	CONDUIT	(2) 2"

NORTH

0 20' 40'

SCALE: 1" = 20'

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COLLEGE OF THE REDWOODS

REDWOODS COMMUNITY COLLEGE DISTRICT

7351 TOMPKINS HILL RD, EUREKA, CA 95501

owner

tBP project number: 22079.00

file name:

drawn by: CPW checked by: RSH

date: 12-06-23

rev:	date:	description:
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	10/09/23	DESIGN DEVELOPMENT DWGS
	11/01/23	75% CONSTRUCTION DWGS
	11/20/23	DSA SUBMITTAL
	12/06/23	BID SET

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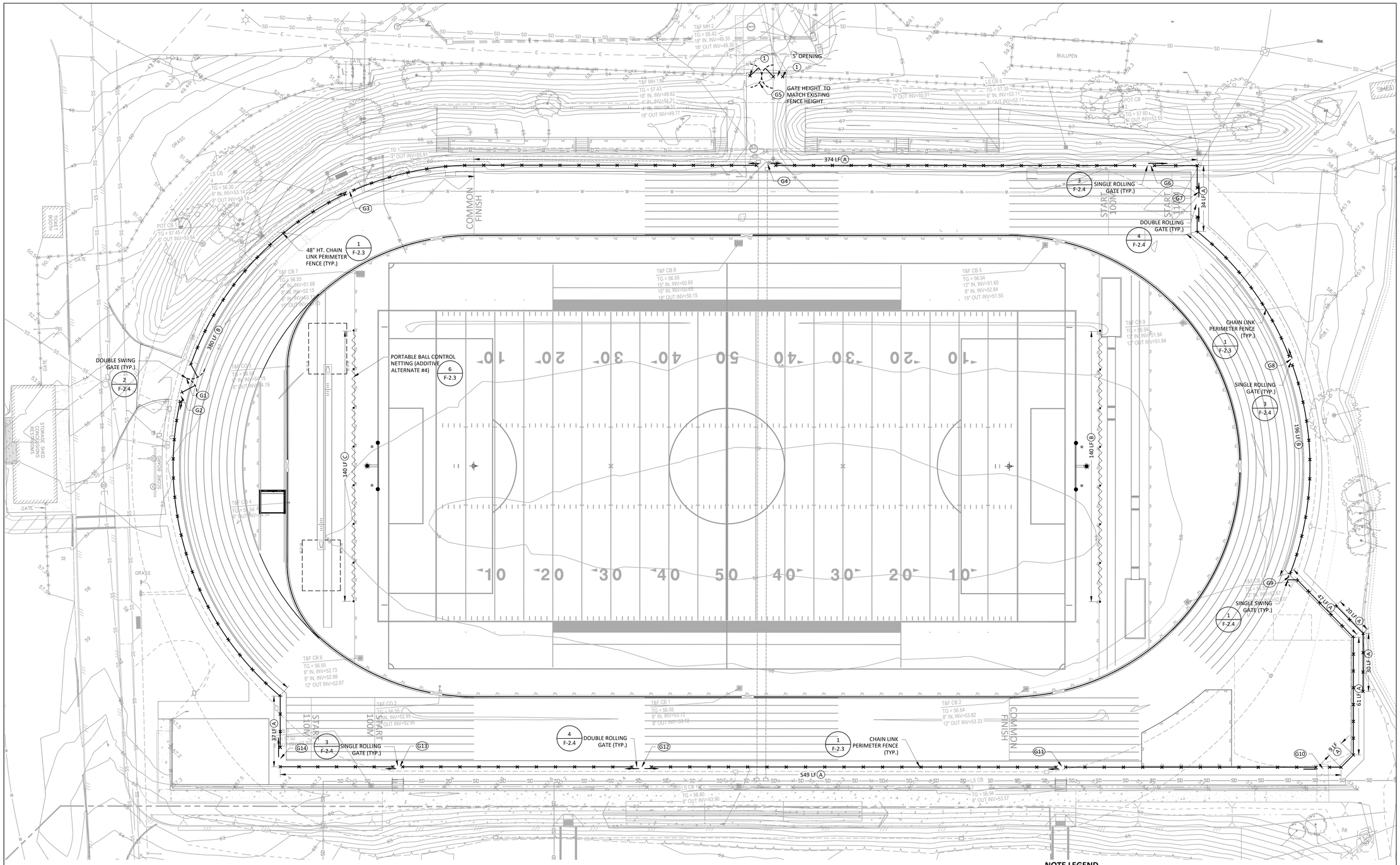
FIELD AND TRACK WASHWATER PLAN

drawing no.:

F-1.4



GATE SCHEDULE								
GATE	FUNCTION	DESCRIPTION	ADA COMPLIANT	DIMENSION	PANIC HARDWARE	KICK PLATE	DETAIL	COMMENTS
G1	VEHICLE ACCESS	CHAIN LINK- PAIR OF GATES	NO	15'-0"W x 4'-0"H	NO	NO	2/F-2.4	MAINTENANCE & FIRE VEHICLE ACCESS - ADDITIVE ALTERNATE #2
G2	CIRCULATION	CHAIN LINK- SINGLE ROLLING GATE	NO	5'-0"W x 4'-0"H	NO	NO	3/F-2.4	ADDITIVE ALTERNATE #2
G3	CIRCULATION	CHAIN LINK- SINGLE ROLLING GATE	NO	5'-0"W x 4'-0"H	NO	NO	3/F-2.4	ADDITIVE ALTERNATE #2
G4	CIRCULATION	CHAIN LINK- DOUBLE ROLLING GATE	NO	10'-0"W x 4'-0"H	NO	NO	4/F-2.4	ADDITIVE ALTERNATE #2
G5	VEHICLE ACCESS	CHAIN LINK- PAIR OF GATES	NO	12'-0"W x 6'-0"H	NO	NO	2/F-2.4	MAINTENANCE & FIRE VEHICLE ACCESS - ADDITIVE ALTERNATE #2
G6	CIRCULATION	CHAIN LINK- SINGLE ROLLING GATE	NO	10'-0"W x 4'-0"H	NO	NO	3/F-2.4	ADDITIVE ALTERNATE #2
G7	CIRCULATION	CHAIN LINK- DOUBLE ROLLING GATE	NO	15'-0"W x 4'-0"H	NO	NO	4/F-2.4	ADDITIVE ALTERNATE #2
G8	CIRCULATION	CHAIN LINK- SINGLE ROLLING GATE	NO	5'-0"W x 4'-0"H	NO	NO	3/F-2.4	ADDITIVE ALTERNATE #2
G9	EGRESS	CHAIN LINK- SINGLE GATE	YES	5'-0"W x 4'-0"H	NO	YES	1/F-2.4	ADDITIVE ALTERNATE #2
G10	CIRCULATION	CHAIN LINK- SINGLE ROLLING GATE	NO	7'-0"W x 4'-0"H	NO	NO	3/F-2.4	ADDITIVE ALTERNATE #2
G11	CIRCULATION	CHAIN LINK- SINGLE ROLLING GATE	NO	5'-0"W x 4'-0"H	NO	NO	3/F-2.4	ADDITIVE ALTERNATE #2
G12	CIRCULATION	CHAIN LINK- DOUBLE ROLLING GATE	NO	10'-0"W x 4'-0"H	NO	NO	4/F-2.4	ADDITIVE ALTERNATE #2
G13	CIRCULATION	CHAIN LINK- SINGLE ROLLING GATE	NO	5'-0"W x 4'-0"H	NO	NO	3/F-2.4	ADDITIVE ALTERNATE #2
G14	CIRCULATION	CHAIN LINK- SINGLE ROLLING GATE	NO	10'-0"W x 4'-0"H	NO	NO	3/F-2.4	ADDITIVE ALTERNATE #2

FENCING NOTES

NOTE LEGEND
1. (INDICATES GENERAL CONSTRUCTION NOTE)
3. (INDICATES SPECIFIC CONSTRUCTION KEYNOTE)

1. END FENCE. MEET AND MATCH EXISTING FENCE TO PROVIDE SECURE ENCLOSURE
2. ALL 48" HT. FENCE AND GATES AT THE TRACK PERIMETER ARE ADDITIVE ALTERNATE #2GATE LOCATIONS ARE SHOWN APPROXIMATE.
3. GATES TO BE CENTERED AT PERPENDICULAR PATHWAYS WHEN OCCURS.
4. ALL GATES ARE LOCKABLE.

FENCE TYPE KEY

- (A) 48" HEIGHT CHAIN LINK FENCE; 2" MESH X9 GAUGE, TOP & BOTTOM RAIL -ADDITIVE ALTERNATE #2
- (B) 10' HT PORTABLE BALL CONTROL NETTING - BASE BID
- (C) 10' HT PORTABLE BALL CONTROL NETTING - ADDITIVE ALTERNATE #5

FENCING LEGEND

- CHAIN LINK FENCE (ADDITIVE ALTERNATE #2) AND CONCRETE CURB
- CHAIN LINK FENCE (ADDITIVE ALTERNATE #2)
- CONCRETE CURBING
- CATCH BASIN INLET (C.B.I.)
- 6' CYCLONE FENCE — EXISTING FENCE TO REMAIN
- (B) — FENCE TYPE AND LIMIT

NORTH
0 20' 40'
SCALE: 1" = 20'

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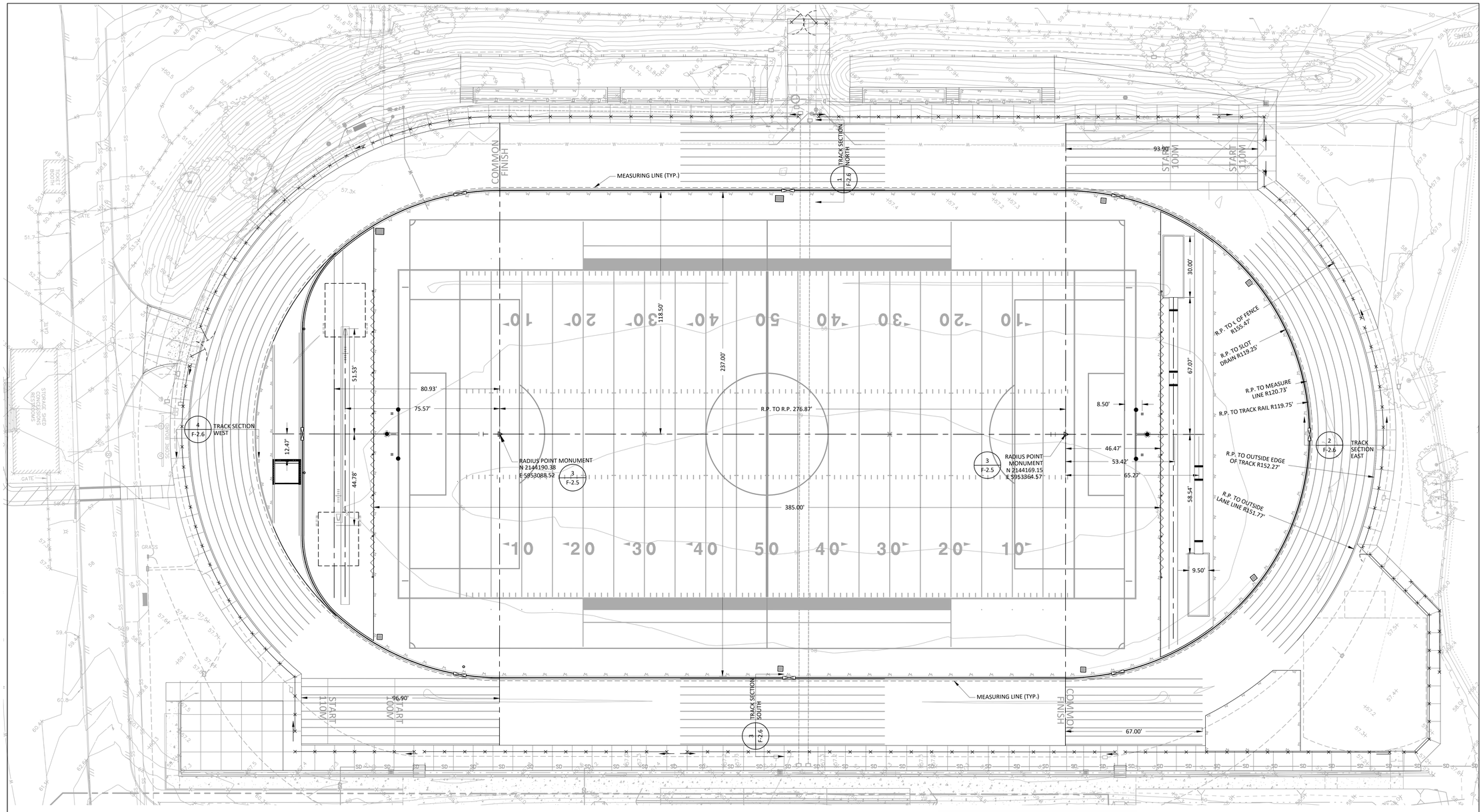
FIELD AND TRACK FENCING PLAN

drawing no.:
F-1.5

File: F-0.1 COTR CURRENT 30x42.dwg Plotted by: CorneliW Date: 05-Dec-23 8:40:53am



LAYOUT CONTROL NOTES

1. THE FOLLOWING CRITICAL LAYOUT & CONSTRUCTION STAKING TO BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER FROM ELECTRONIC DATA PROVIDED BY THE ENGINEER: TRACK RADIUS POINT MONUMENTS, CHAIN LINK FENCING CORNER POSTS, STORM DRAINAGE STRUCTURES, AND GRADING LIMITS. STAKE THESE ELEMENTS FOR ENGINEERS APPROVAL PRIOR TO CONTINUING THE WORK.
2. COORDINATE LAYOUT OF ALL UTILITIES WITH THAT OF EMBEDDED FEATURES INCLUDING BUT NOT LIMITED TO FENCE POSTS. WHERE IN CONFLICT, NOTIFY THE ENGINEER IMMEDIATELY BEFORE MAKING ADJUSTMENTS IN THE FIELD.
3. ALL SURFACE TRANSITIONS ARE FLUSH TO ADJACENT PROPOSED OR EXISTING SURFACES.
4. DIGITAL DESIGN DATA (AUTOCADD v2018; X,Y ONLY) WILL BE PROVIDED TO THE CONTRACTORS LICENSED LAND SURVEYOR FOR CONSTRUCTION STAKING.
5. LAYOUT COORDINATES ARE BASED ON THE OWNERS SUPPLIED PROFESSIONAL SURVEY.
6. COORDINATE WITH CIVIL FOR DRAINAGE STRUCTURES AND DRINKING FOUNTAIN LOCATION.
7. SEE F-1.1 FOR GENERAL LAYOUT OF THE PROPOSED FEATURES AND SURFACES.
8. SEE F-1.5 FOR FENCING PLANS FOR DETAILED GATE AND FENCING INFORMATION.

TRACK LAYOUT SUMMARY	METERS	FEET
Distance RP to RP	84.3900	276.8701
RP to Measuring Line	36.8000	120.7349
Running Length	400.0010	1312.3393
Distance RP to Soccer Sideline	32.0040	105.0000
Distance RP to Synthetic Turf Edge	36.1200	118.5039
Soccer Sideline Clearance to Track Surfacing	4.1160	13.5039
Turf Edge to Slot Drain	0.2300	0.7546
Distance RP to Slot Drain	36.3500	119.2585
Slot Drain to Track Rail	0.1500	0.4921
Distance RP to Track Rail	36.5000	119.7507
Track Rail to Measuring Line	0.3000	0.9843
Distance RP to Measuring Line	**36.8000**	**120.7349**
Lane Width	1.2200	4.0026
Distance RP to Lane 2 Line	37.7200	123.7533
Lane Width	1.2200	4.0026
Distance RP to Lane 3 Line	38.9400	127.7559
Lane Width	1.2200	4.0026
Distance RP to Lane 4 Line	40.1600	131.7585
Lane Width	1.2200	4.0026
Distance RP to Lane 5 Line	41.3800	135.7612
Lane Width	1.2200	4.0026
Distance RP to Lane 6 Line	42.6000	139.7638
Lane Width	1.2200	4.0026
Distance RP to Lane 7 Line	43.8200	143.7664
Lane Width	1.2200	4.0026
Distance RP to Lane 8 Line	45.0400	147.7690
Lane Width	1.2200	4.0026
Distance RP to Outside Lane Line	46.2600	151.7717
Lane Line + Additional Surfacing	0.1524	0.5000
Distance RP to Edge of Surfacing	46.4124	152.2717
Outside Lane Line to Fence Face	1.0650	3.4941
Width of Fence	0.1250	0.4101
Distance RP to Fence CL	47.3875	155.4708

NORTH

0 20' 40'

SCALE: 1" = 20'

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FIELD AND TRACK LAYOUT CONTROL PLAN

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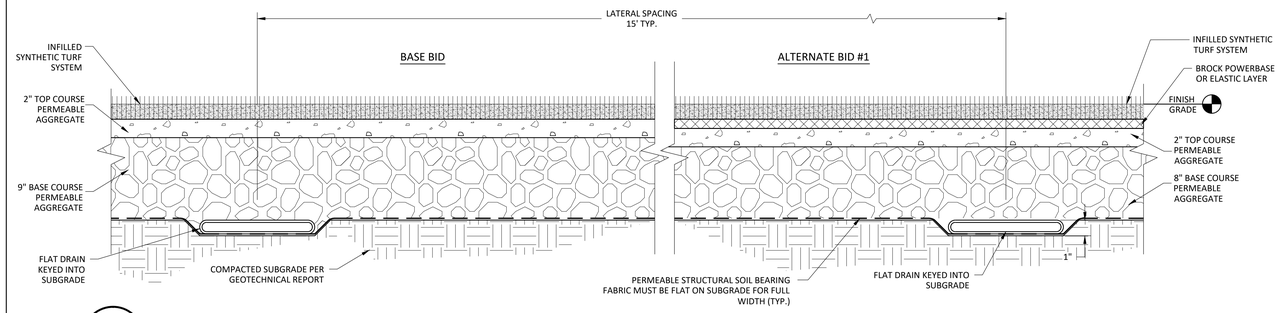
F-1.6



1 F-2.1 SYNTHETIC TURF FIELD SECTION

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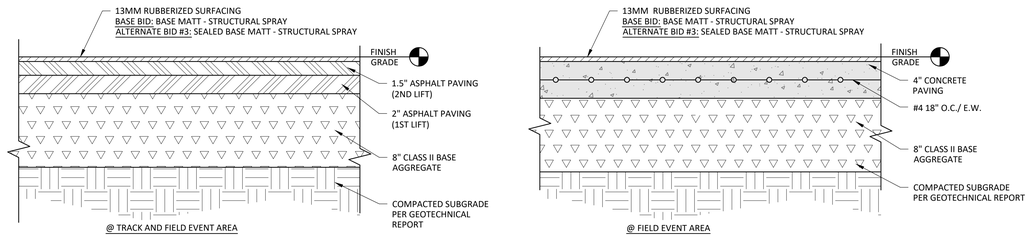

2 F-2.1 RUBBERIZED SURFACE SECTION

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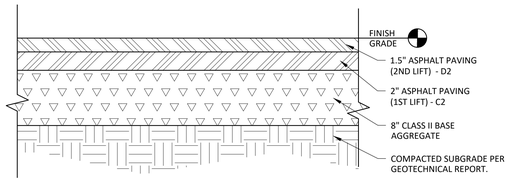

3 F-2.1 TRACK ASPHALT PAVING SECTION

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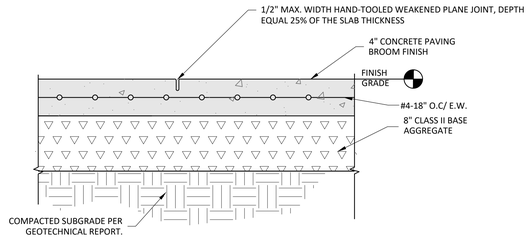

4 F-2.1 CONCRETE PAVING AT FIELD EVENTS

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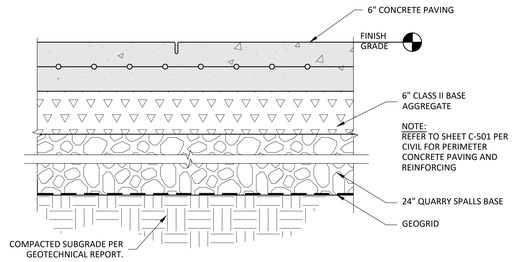
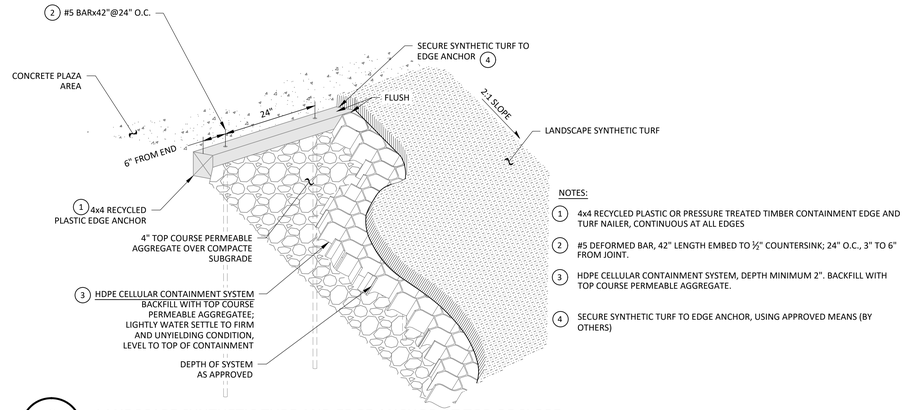


5 F-2.1 CONCRETE PAVING WITH QUARRY SPALLS

NOT TO SCALE

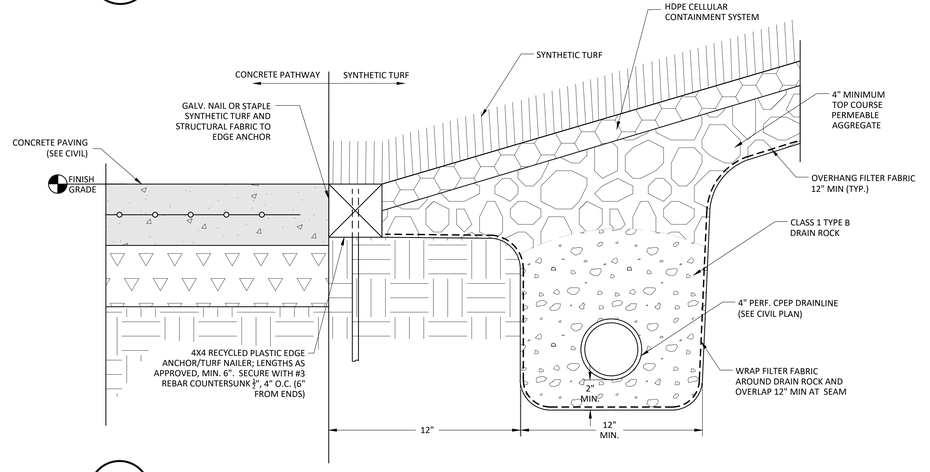


NOTES:

1. 4x4 RECYCLED PLASTIC OR PRESSURE TREATED TIMBER CONTAINMENT EDGE AND TURF NAILER, CONTINUOUS AT ALL EDGES
2. #5 DEFORMED BAR, 42" LENGTH EMBED TO ½" COUNTERSINK; 24" O.C., 3" TO 6" FROM JOINT.
3. HDPE CELLULAR CONTAINMENT SYSTEM, DEPTH MINIMUM 2". BACKFILL WITH TOP COURSE PERMEABLE AGGREGATE.
4. SECURE SYNTHETIC TURF TO EDGE ANCHOR, USING APPROVED MEANS (BY OTHERS)

6 F-2.1 LANDSCAPE SYNTHETIC TURF AND EDGE ANCHOR AT TOP OF SLOPE

NOT TO SCALE



7 F-2.1 LANDSCAPE SYNTHETIC TURF AND EDGE ANCHOR AT BOTTOM OF SLOPE

NOT TO SCALE

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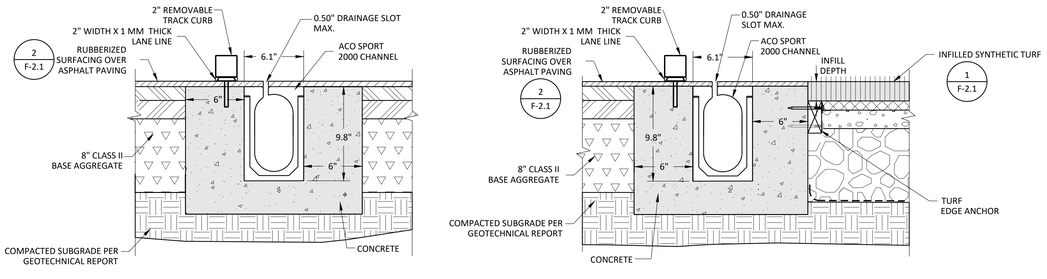
FIELD AND TRACK SECTION DETAILS

drawing no.:

F-2.1



A: TRACK SLOT DRAIN AT D AREA

B: TRACK SLOT DRAIN AT SYNTHETIC TURF

1 F-2.2 SLOT DRAIN

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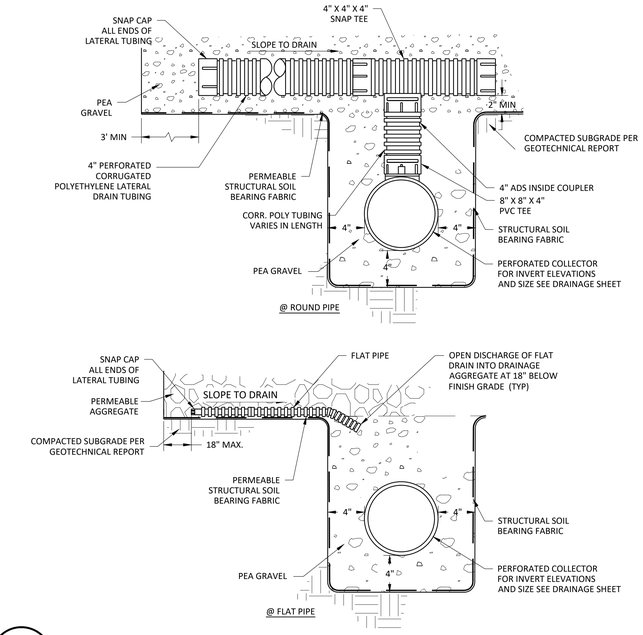

4 F-2.2 SUBSURFACE DRAINAGE CONNECTION

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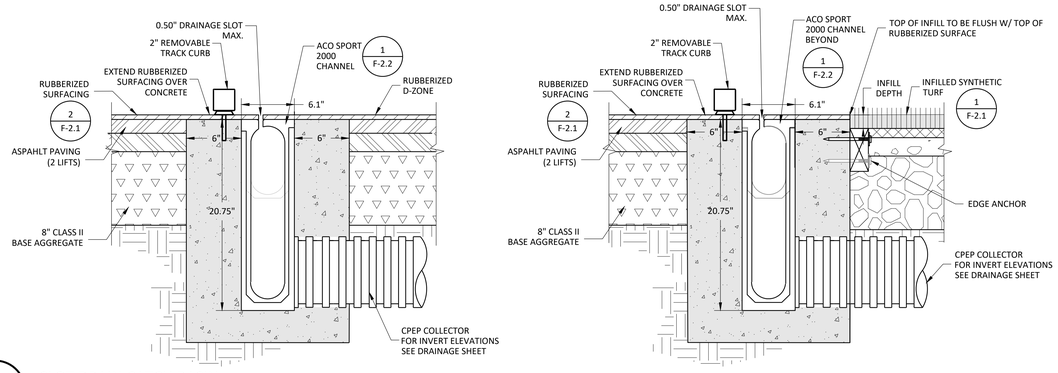

2 F-2.2 SLOT DRAIN CATCH BASIN

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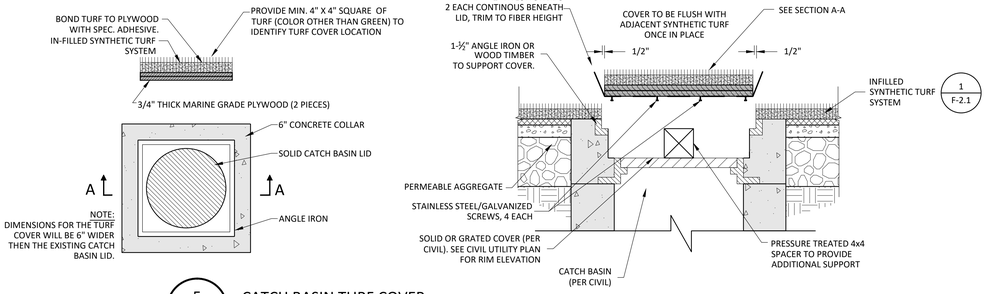

5 F-2.2 CATCH BASIN TURF COVER

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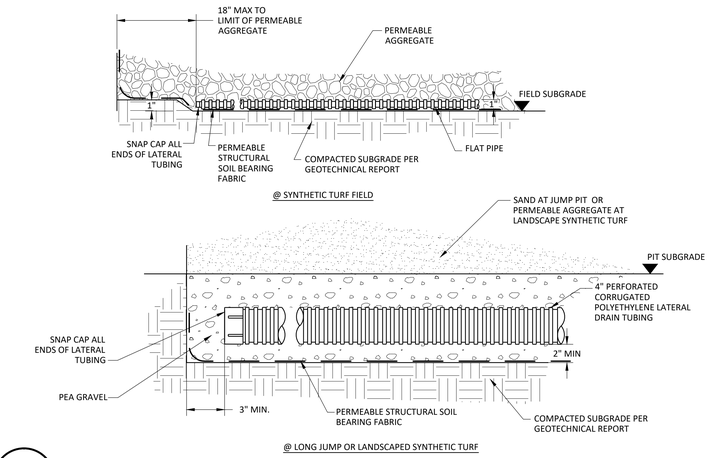
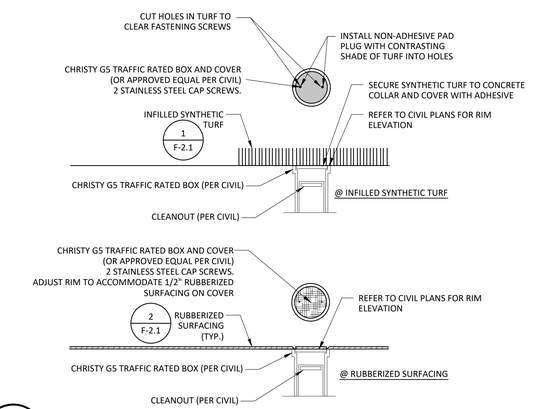


3 F-2.2 SUBSURFACE DRAINAGE LATERALS

NOT TO SCALE



6 F-2.2 CLEANOUT COVER

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FIELD AND TRACK DRAINAGE DETAILS

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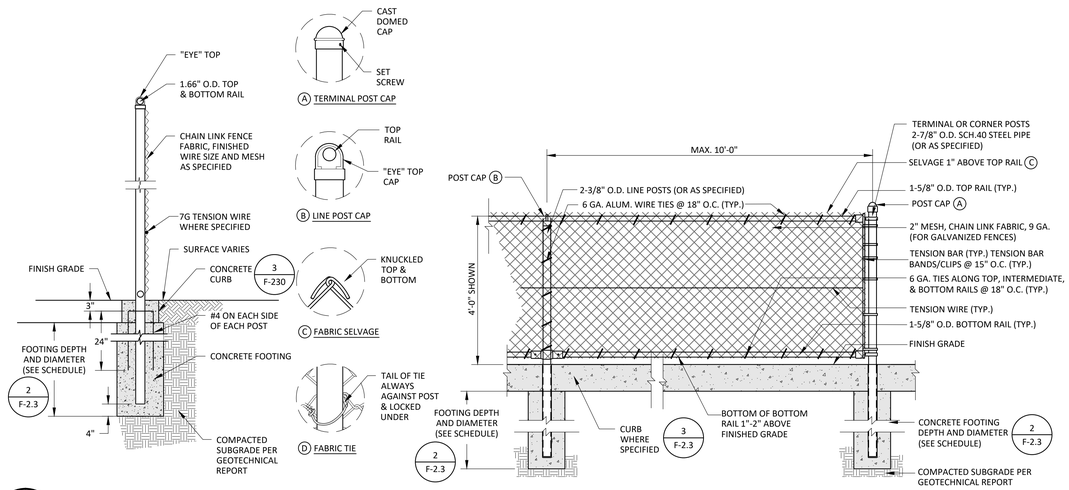
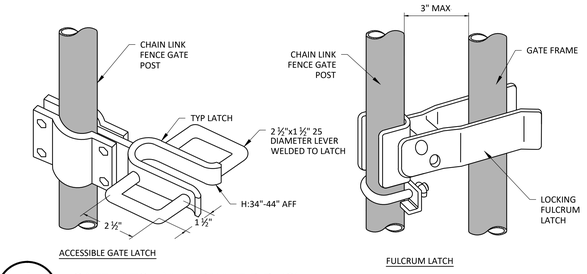
F-2.2



1 F-2.3 CHAIN LINK FENCING ELEVATION & SECTION (ALTERNATE BID #2)

NOT TO SCALE



4 F-2.3 GATE LATCH (ALTERNATE BID #2)

NOT TO SCALE

FENCING TYPE	4' HIGH FENCING
CORNER POST	2.875" OD
TERMINAL POST	2.875" OD
LINE POST	2.375" OD
FOOTING DEPTH	30"
FOOTING DIAMETER	12"
TOP RAIL HT.	4'
INTERMEDIATE RAIL HTS.	---
BOTTOM RAIL HT	1"
TENSION WIRE HTS.	2'

FENCING NOTES:

1. ALL FENCING FABRIC SHALL BE 2" MESH NO. 9 GAUGE FINISHED STEEL WIRES WITH BLACK VINYL COATING.
2. ALL POSTS, RAILS, BRACES, POST TOPS, STRETCHER BARS, BANDS, ETC. SHALL BE PAINTED BLACK.
3. TENSION WIRES AND WIRE TIES SHALL INCLUDE A BLACK VINYL COATING.
4. MAXIMUM POST SPACING: 10' ON CENTER.
5. ALIGN POSTS SO THAT FENCE FABRIC IS INSTALLED IN A CONTINUOUS, STRAIGHT LINE, REGARDLESS OF FENCE POST DIAMETER
6. ALL POSTS SHALL BE ASTM A53, GRADE B, SCHEDULE 40 UNLESS NOTED OTHERWISE

2 F-2.3 CHAIN LINK SCHEDULE (ALTERNATE BID #2)

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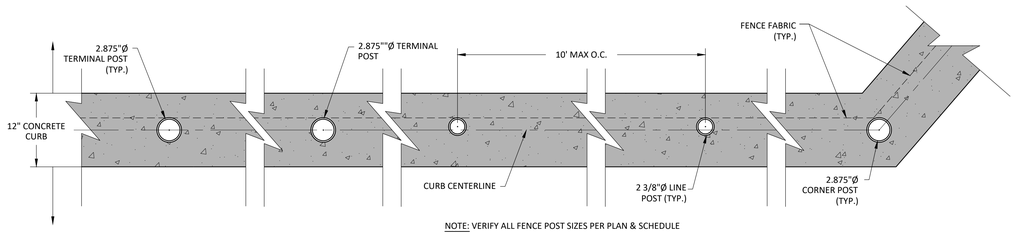
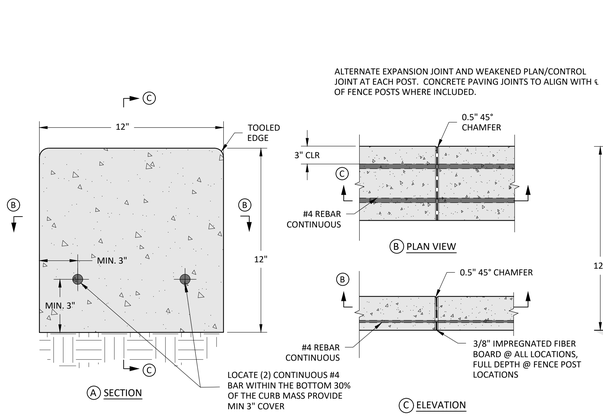
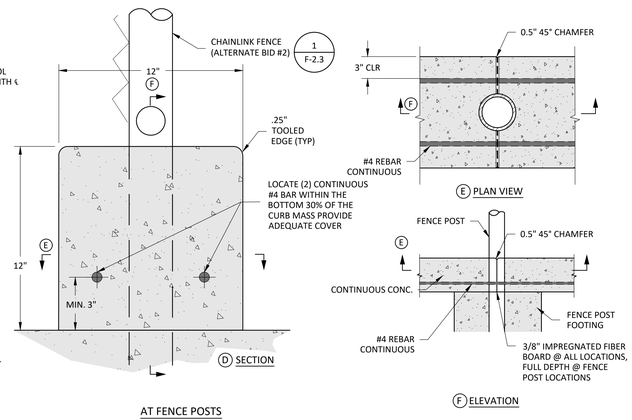


NOTE: VERIFY ALL FENCE POST SIZES PER PLAN & SCHEDULE

5 F-2.3 TYPICAL FENCE POST LAYOUT (ALTERNATE BID #2)

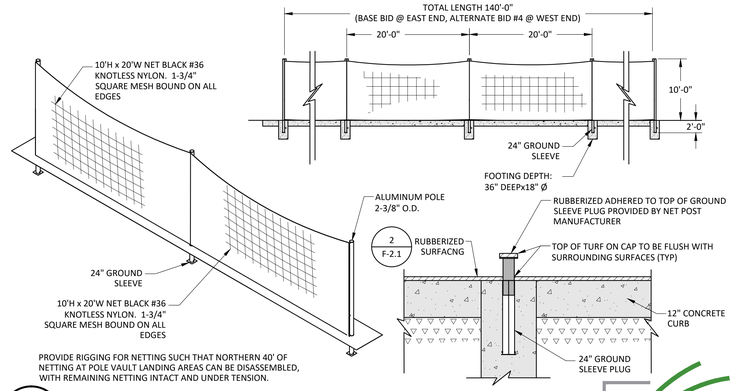
NOT TO SCALE





3 F-2.3 CONCRETE CURB & EXPANSION JOINT

NOT TO SCALE



6 F-2.3 PORTABLE BALL CONTROL NETTING

NOT TO SCALE

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architect
LICENSED LANDSCAPE ARCHITECT Robert S. Harding No. 4900 Signed 12-07-23 Renewal Date 10-31-25 STATE OF CALIFORNIA
consultant

COR COMMUNITY STADIUM UPGRADE

COLLEGE OF THE REDWOODS

REDWOODS COMMUNITY COLLEGE DISTRICT

7351 TOMPKINS HILL RD, EUREKA, CA 95501

owner

tBP project number:	22079.00	
file name:		
drawn by: CPW	checked by: RSH	
date: 12-06-23		

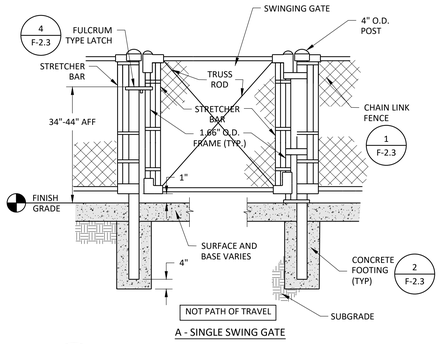
rev:	date:	description:
	09/08/23	SCHEMATIC DWGS
	10/09/23	DESIGN DEVELOPMENT DWGS
	11/01/23	75% CONSTRUCTION DWGS
	11/20/23	DSA SUBMITTAL
	12/06/23	BID SET

drawing title:

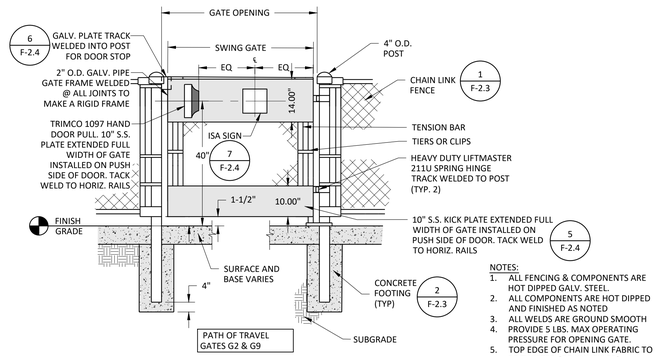
FIELD AND TRACK FENCING DETAILS

drawing no.:

F-2.3

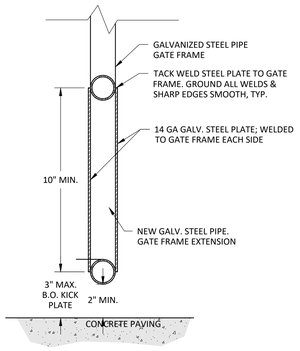


A - SINGLE SWING GATE

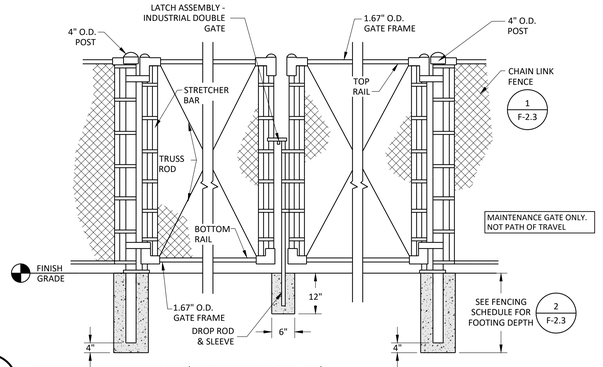


NOTES:
1. ALL FENCING & COMPONENTS ARE HOT DIPPED GALV. STEEL.
2. ALL COMPONENTS ARE HOT DIPPED AND FINISHED AS NOTED
3. ALL WELDS ARE GROUND SMOOTH
4. PROVIDE 5 LBS. MAX OPERATING PRESSURE FOR OPENING GATE.
5. TOP EDGE OF CHAIN LINK FABRIC TO BE TWISTED (OR KNUCKLED)

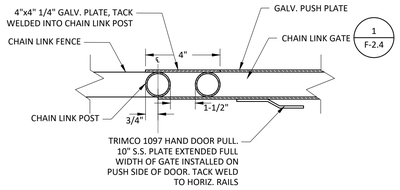
1 F-2.4 SINGLE SWING GATE (ALTERNATE BID #2)
NOT TO SCALE



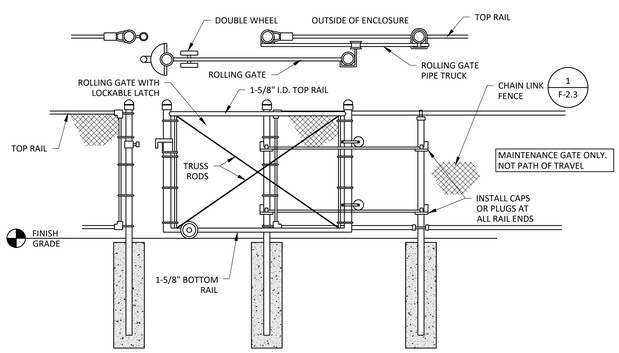
5 F-2.4 KICK PLATE SECTION (ALTERNATE BID #2)
NOT TO SCALE



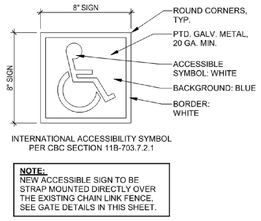
2 F-2.4 DOUBLE SWING GATE (ALTERNATE BID #2)
NOT TO SCALE



6 F-2.4 GATE SECTION (ALTERNATE BID #2)
NOT TO SCALE

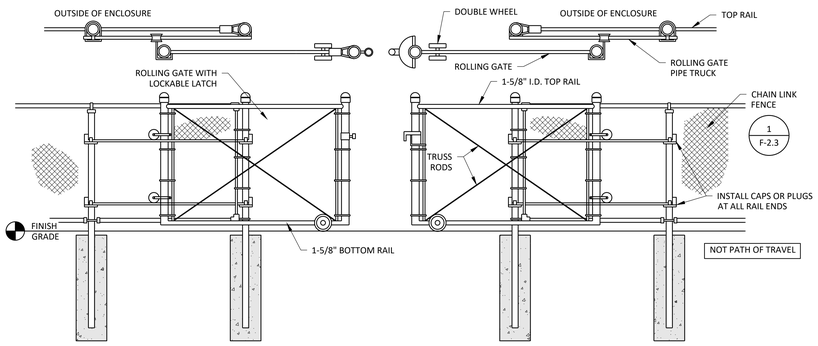


3 F-2.4 SINGLE ROLLING GATE (ALTERNATE BID #2)
NOT TO SCALE



NOTE:
NEW ACCESSIBLE SIGN TO BE STRAP MOUNTED DIRECTLY OVER THE EXISTING CHAIN LINK FENCE, SEE GATE DETAILS IN THIS SHEET.

7 F-2.4 ISA SIGN FOR GATE (ALTERNATE BID #2)
NOT TO SCALE



4 F-2.4 DOUBLE ROLLING GATE (ALTERNATE BID #2)
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Renewal 12-31-24
RP296-729
Date
STATE OF CALIFORNIA

consultant

COR COMMUNITY STADIUM UPGRADE
COLLEGE OF THE REDWOODS
REDWOODS COMMUNITY COLLEGE DISTRICT
7351 TOMPKINS HILL RD, EUREKA, CA 95501

owner

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rev:	date:	description:
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	11/01/23	75% CONSTRUCTION DWGS
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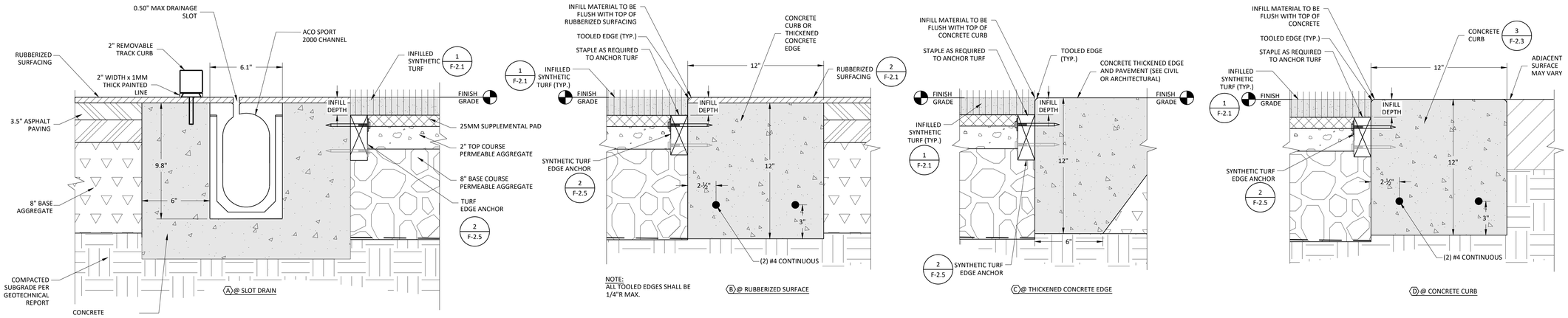
	12/06/23	BID SET

drawing title:
FIELD AND TRACK FENCING DETAILS

drawing no.:
F-2.4



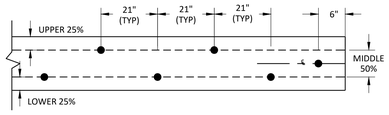
NOTE:
ALL TOOLED EDGES SHALL BE 1/4"R MAX.

1 / F-2.5 SYNTHETIC TURF EDGE ANCHOR CONDITIONS

NOT TO SCALE

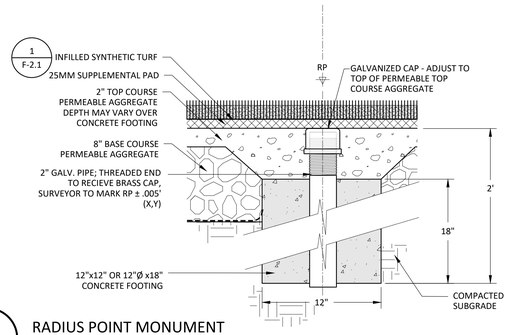
NOTES:

1. THE PLASTIC EDGE ANCHOR MAY BE TEMPORARILY SET WITH POWER-LOADS PLACED AT THE CONTRACTORS OPTION TO ASSIST IN ESTABLISHING THE PROPER LINE AND GRADE. THIS TEMPORARY HARDWARE MAY REMAIN AFTER FINAL INSTALLATION.
2. THE CONTRACTOR MAY CHOOSE TO UTILIZE STEEL POWER-LOAD DRIVEN OR RAM-SET CONCRETE ANCHOR NAILS, MINIMUM SHANK DIAMETER 5/32", MINIMUM HEAD/WASHER DIAMETER 3/8", SUFFICIENT LENGTH TO INSURE A MINIMUM 2" EMBEDMENT. INDIVIDUAL ANCHORS SHALL DEVELOP A MINIMUM 450LB SHEAR, 350LB TENSION IN 4,000PSI CONCRETE AT 2" EMBEDMENT.
3. ONCE INITIAL LINE AND GRADE HAS BEEN ESTABLISHED, INSTALL THE SPECIFIED RAM-SET OR POWER-LOAD DRIVEN CONCRETE ANCHORING NAILS IN MANNER CONSISTENT WITH THE APPROVED MANUFACTURERS PRINTED INSTRUCTION AND THE SPECIFIED SPACING.
4. WEDGE ANCHOR TO BE SET AT MIDDLE 50% OF EACH BOARD. 30" O.C. MAX., 4-6" FROM ENDS.
5. MINIMUM REQUIREMENTS FOR CONCRETE ANCHOR NAIL INSTALLATION DEPTH OF EMBEDMENT: 2" OR AS RECOMMENDED BY THE ANCHOR SUPPLIER, WHICHEVER IS GREATER. HORIZONTAL SPACING: NO GREATER THAN 21" ON CENTER AND 6" FROM END OF ANY LENGTH OF LUMBER. STAGGER THE SPACING OF EACH ANCHOR UP AND DOWN WITHIN THE MIDDLE ONE-HALF THE FACE OF THE RECYCLED EDGE ANCHOR.



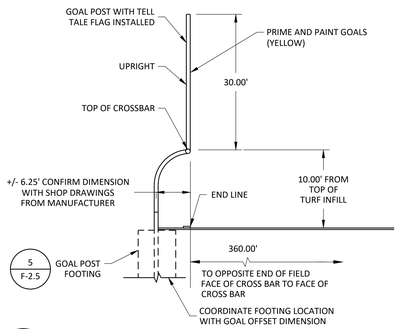
2 / F-2.5 SYNTHETIC TURF EDGE ANCHOR NOTE

NOT TO SCALE



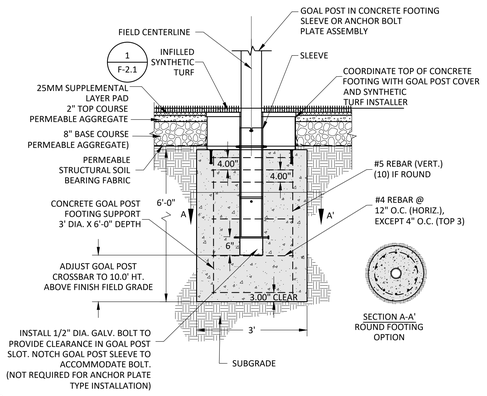
3 / F-2.5 RADIUS POINT MONUMENT

NOT TO SCALE



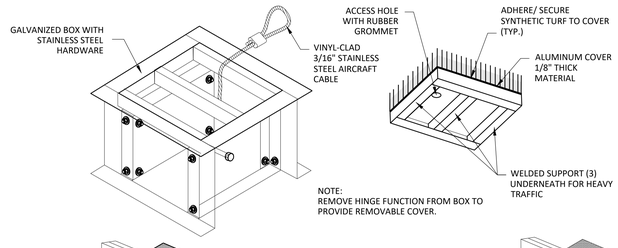
4 / F-2.5 FOOTBALL GOAL POST

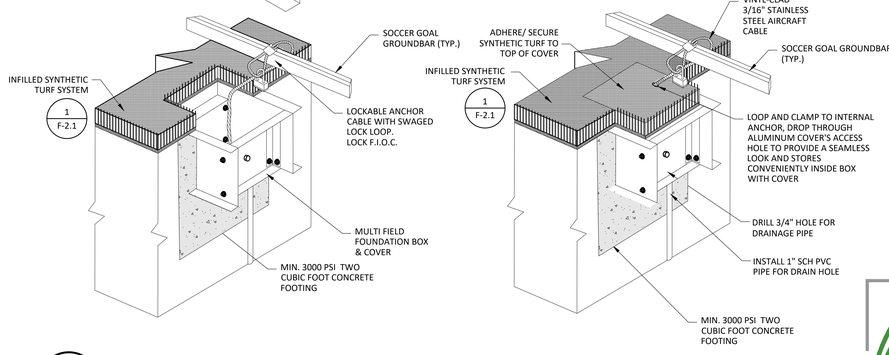
NOT TO SCALE



5 / F-2.5 FOOTBALL GOAL POST FOOTING

NOT TO SCALE





6 / F-2.5 SOCCER GOAL ANCHOR

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architect

LICENSED LANDSCAPE ARCHITECT
Robert S. Hutting No. 4900
10-31-24
Renewal Date
12-06-23
STATE OF CALIFORNIA

consultant

COR COMMUNITY STADIUM UPGRADE

COLLEGE OF THE REDWOODS

REDWOODS COMMUNITY COLLEGE DISTRICT

7351 TOMPKINS HILL RD, EUREKA, CA 95501

owner

tBP project number:	22079.00	
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drawn by:	LRB	checked by: RSH
date:	12-06-23	

rev:	date:	description:
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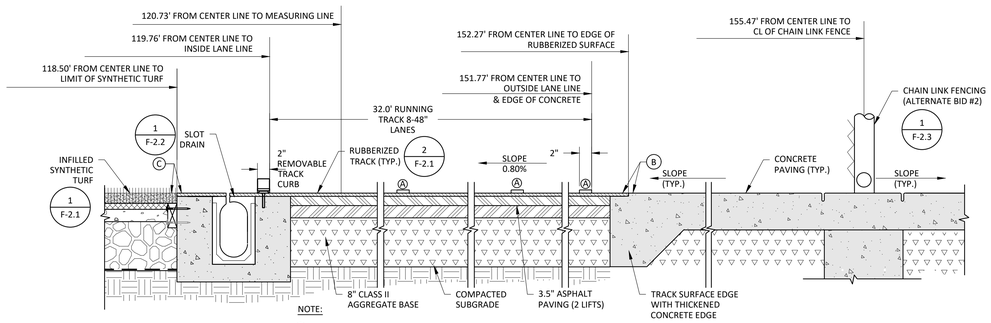
	10/09/23	DESIGN DEVELOPMENT DWGS
	11/01/23	75% CONSTRUCTION DWGS
	11/20/23	DSA SUBMITTAL
	12/06/23	BID SET

drawing title:

FIELD AND TRACK SITE DETAILS

drawing no.:

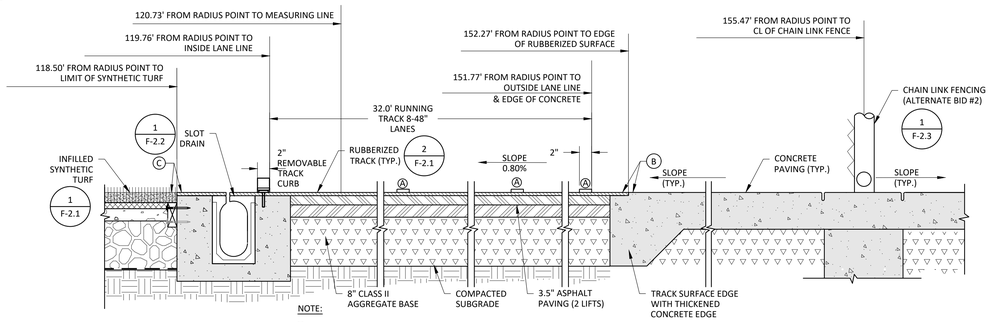
F-2.5



NOTE:

(A) INDICATES PAINTED LANE LINE SHOWN WITH A THICKNESS FOR GRAPHIC CLARITY ONLY. LINE IS PAINTED ON RUBBERIZED SURFACING (TYP.).
(B) TOP OF RUBBERIZED SURFACING TO BE FLUSH WITH CONCRETE PAVING SURFACE AT OUTSIDE EDGE/ PERIMETER OF RUBBERIZED TRACK.
(C) TOP OF INFILL TO BE FLUSH WITH TOP OF RUBBERIZED SURFACING.

1 / F-2.6 TRACK SECTION NORTH
NOT TO SCALE



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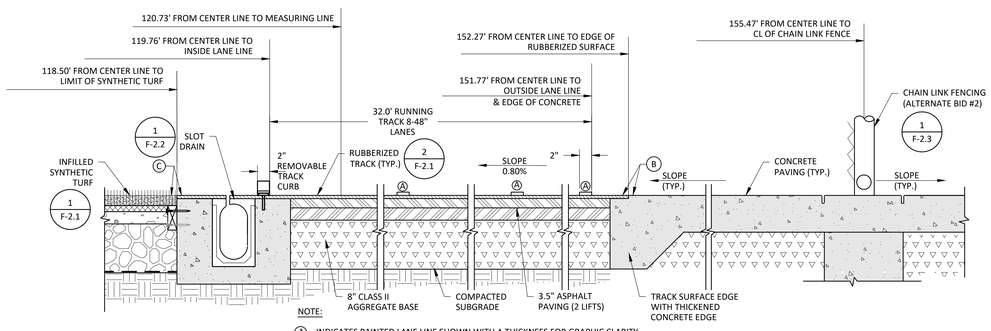
(B) TOP OF RUBBERIZED SURFACING TO BE FLUSH WITH CONCRETE PAVING SURFACE AT OUTSIDE EDGE/ PERIMETER OF RUBBERIZED TRACK.
(C) TOP OF INFILL TO BE FLUSH WITH TOP OF RUBBERIZED SURFACING.

2 / F-2.6 TRACK SECTION EAST
NOT TO SCALE



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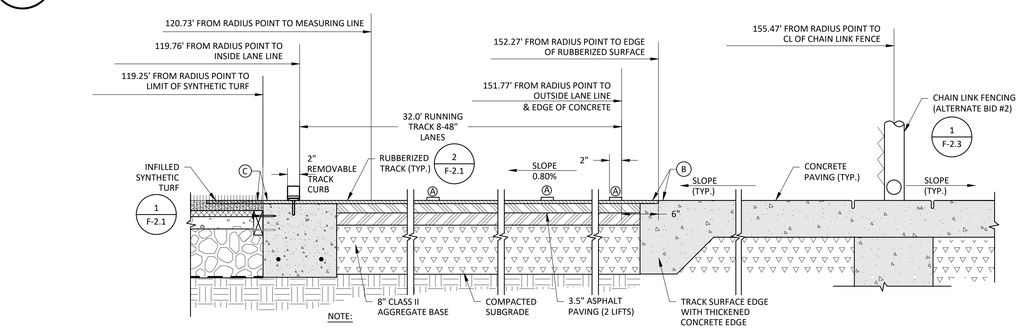
(B) TOP OF RUBBERIZED SURFACING TO BE FLUSH WITH CONCRETE PAVING SURFACE AT OUTSIDE EDGE/ PERIMETER OF RUBBERIZED TRACK.
(C) TOP OF INFILL TO BE FLUSH WITH TOP OF RUBBERIZED SURFACING.

3 / F-2.6 TRACK SECTION SOUTH
NOT TO SCALE



NOTE:

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(B) TOP OF RUBBERIZED SURFACING TO BE FLUSH WITH CONCRETE PAVING SURFACE AT OUTSIDE EDGE/ PERIMETER OF RUBBERIZED TRACK.
(C) TOP OF INFILL TO BE FLUSH WITH TOP OF RUBBERIZED SURFACING.

4 / F-2.6 TRACK SECTION WEST
NOT TO SCALE

NOTE:

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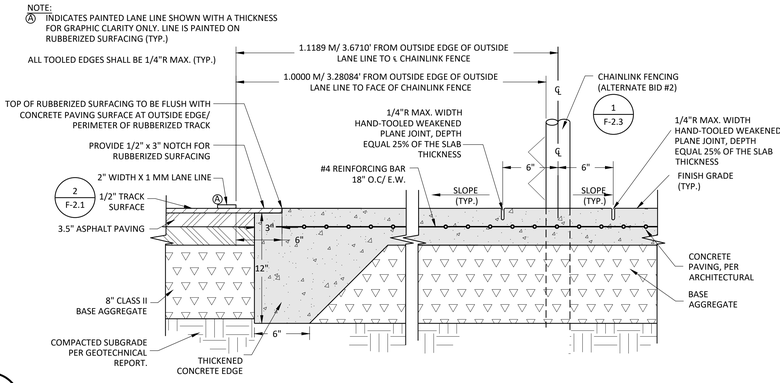
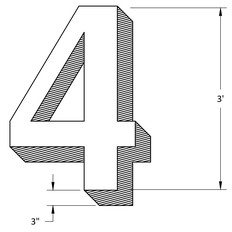
ALL TOOLED EDGES SHALL BE 1/4"R MAX. (TYP.)



5 / F-2.6 RUBBERIZED SURFACE EDGE
NOT TO SCALE



CENTER NUMBER IN LANE

6 / F-2.6 TYPICAL TRACK NUMBER
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LICENSED LANDSCAPE ARCHITECT — Robert S. Harding No. 4900 — 10-31-24 — Renewal Date 10-06-23 — STATE OF CALIFORNIA

consultant

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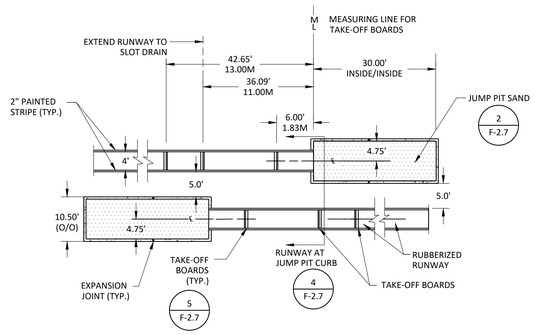
	12/06/23	BID SET

drawing title:

TRACK DETAILS

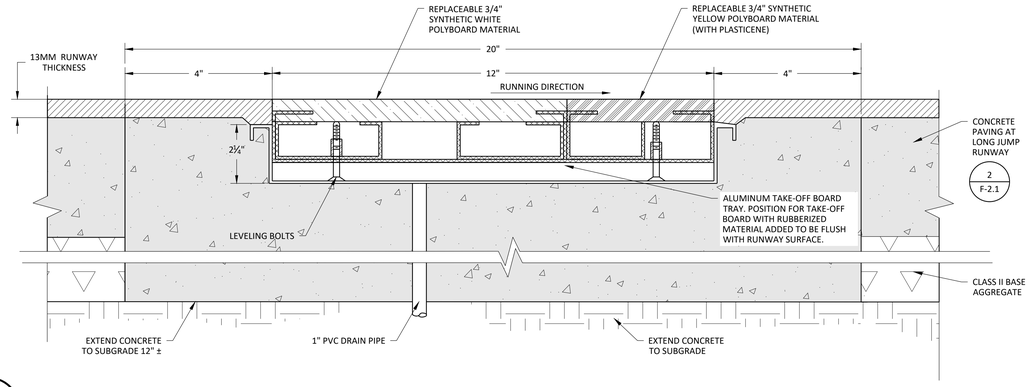
drawing no.:

F-2.6



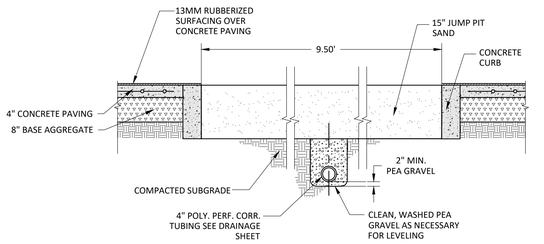
1 F-2.7 LONG JUMP TRIPLE JUMP PLAN VIEW

NOT TO SCALE



5 F-2.7 TAKE-OFF BOARD SECTION

NOT TO SCALE

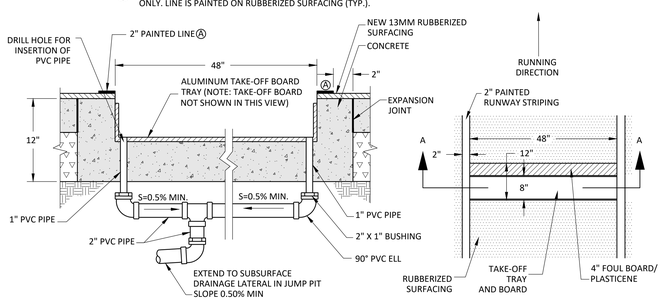


2 F-2.7 JUMP PIT SECTION

NOT TO SCALE

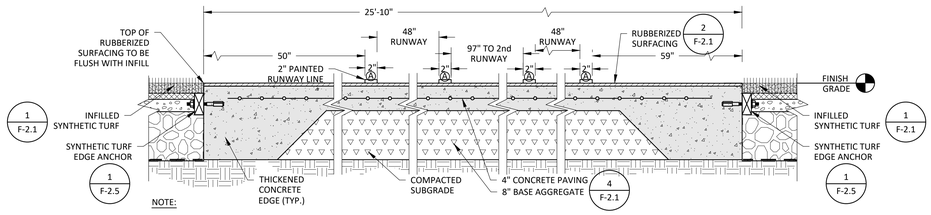
NOTE:

Ⓐ INDICATES PAINTED LANE LINE SHOWN WITH A THICKNESS FOR GRAPHIC CLARITY ONLY. LINE IS PAINTED ON RUBBERIZED SURFACING (TYP.).



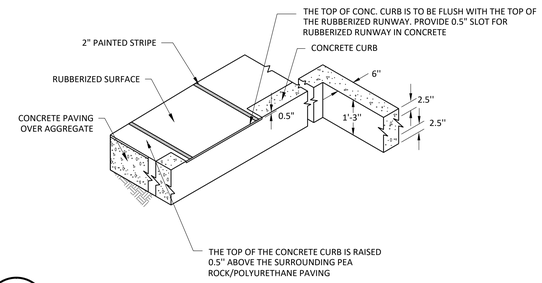
6 F-2.7 TAKE-OFF BOARD TRAY

NOT TO SCALE



3 F-2.7 LONG JUMP TRIPLE JUMP RUNWAY SECTION

NOT TO SCALE



4 F-2.7 RUNWAY AT JUMP PIT CURB

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	12/06/23	BID SET

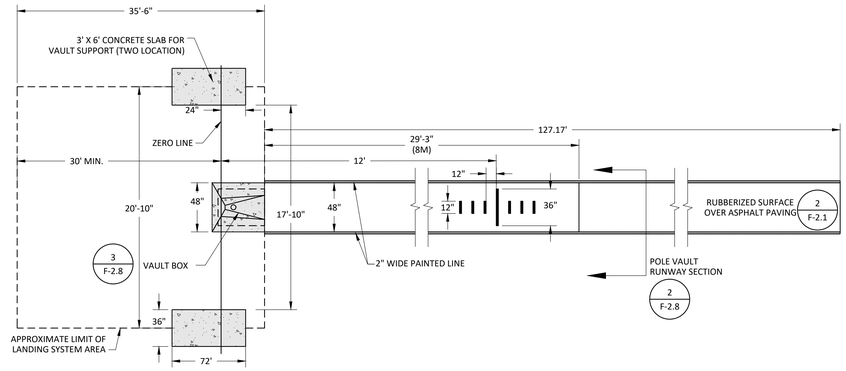
drawing title:

FIELD EVENT DETAILS

drawing no.:

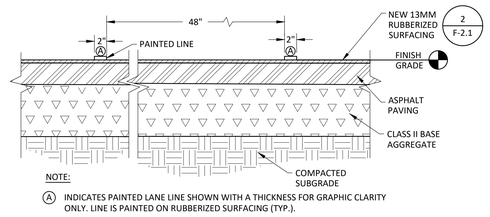
F-2.7

File: F-2.7 Field Event Details.dwg Plotted by: CorneliaW Date: 30-Nov-23 9:34:55am



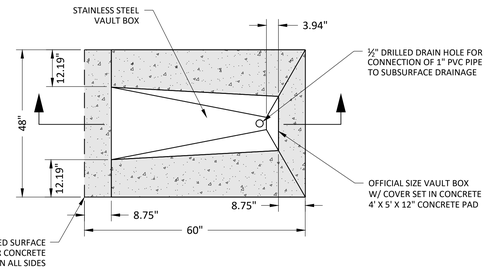
1 F-2.8 POLE VAULT PLAN VIEW

NOT TO SCALE



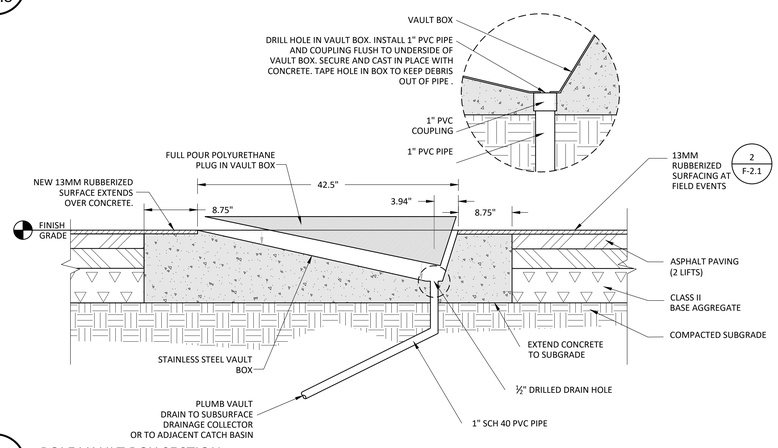
2 F-2.8 POLE VAULT RUNWAY SECTION

NOT TO SCALE



3 F-2.8 POLE VAULT BOX PLAN VIEW

NOT TO SCALE



4 F-2.8 POLE VAULT BOX SECTION

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owner

tBP project number:	22079.00
file name:	
drawn by: LRB	checked by: RSH
date: 12-06-23	

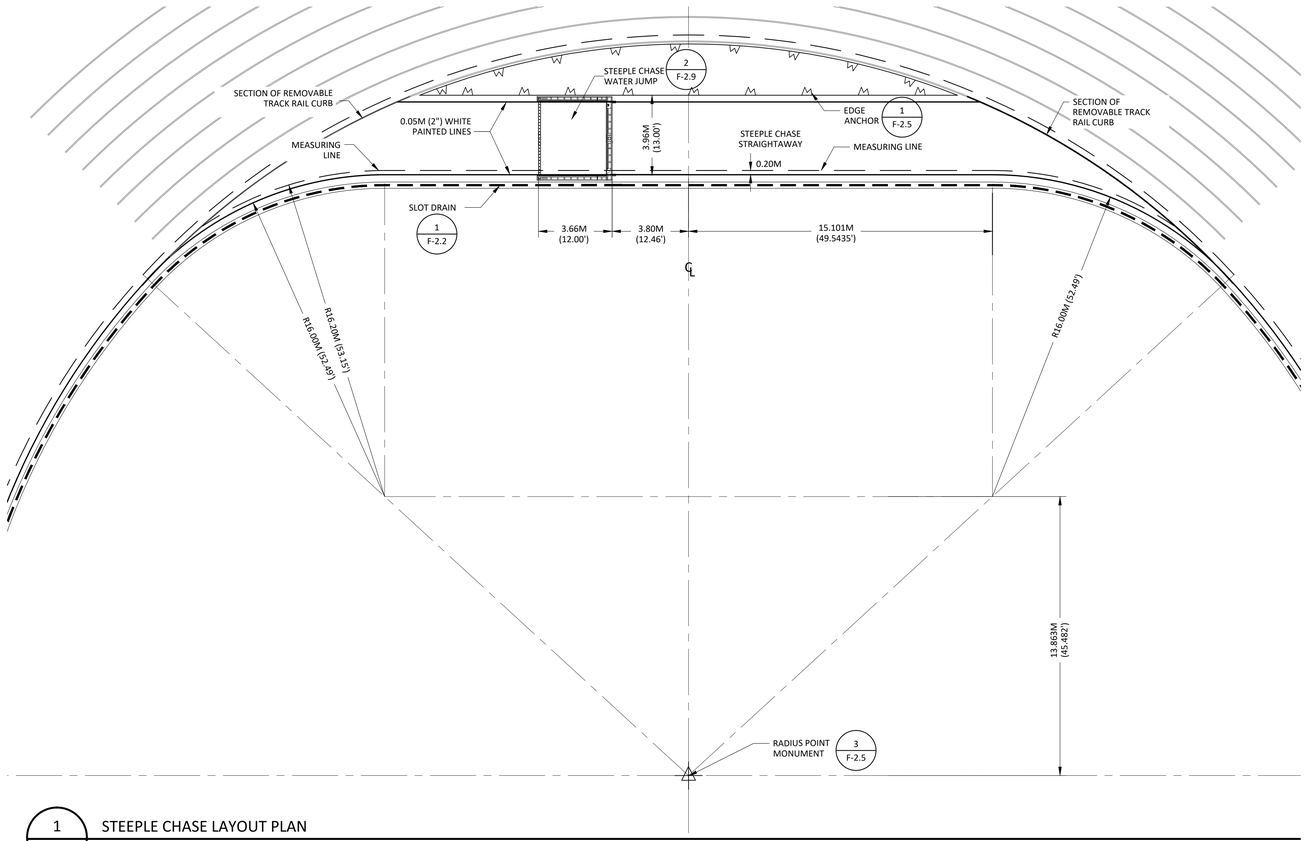
rev:	date:	description:
	09/08/23	SCHEMATIC DWGS
	10/09/23	DESIGN DEVELOPMENT DWGS
	11/01/23	75% CONSTRUCTION DWGS
	11/20/23	DSA SUBMITTAL
	12/06/23	BID SET

drawing title:

FIELD EVENT DETAILS

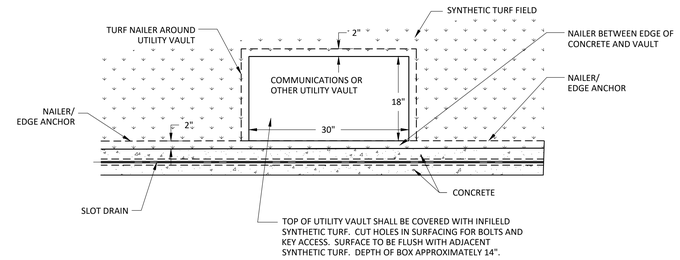
drawing no.:

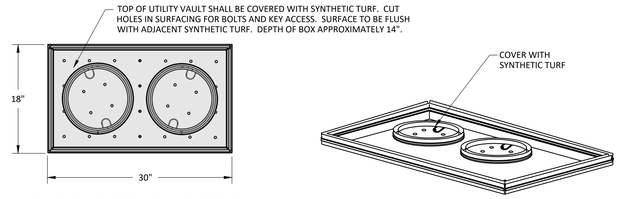
F-2.8



1 F-2.9 STEEPLE CHASE LAYOUT PLAN

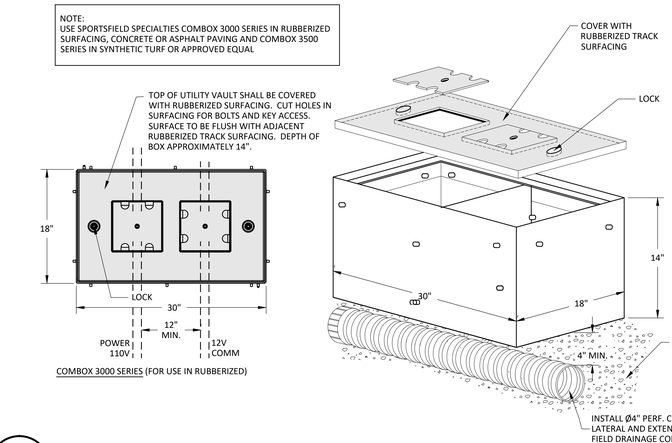
NOT TO SCALE





COMBOX 3500+ SERIES (FOR USE IN SYNTHETIC TURF)

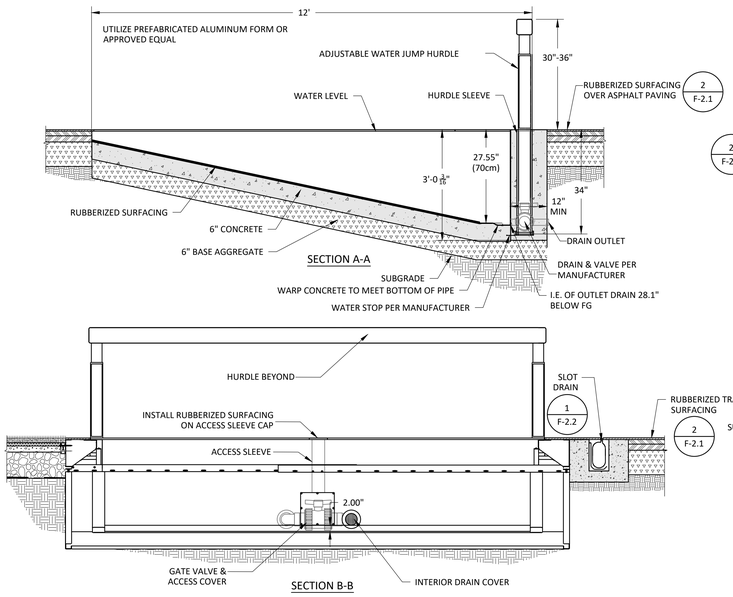
NOTE:
USE SPORTSFIELD SPECIALTIES COMBOX 3000 SERIES IN RUBBERIZED SURFACING, CONCRETE OR ASPHALT PAVING AND COMBOX 3500 SERIES IN SYNTHETIC TURF OR APPROVED EQUAL

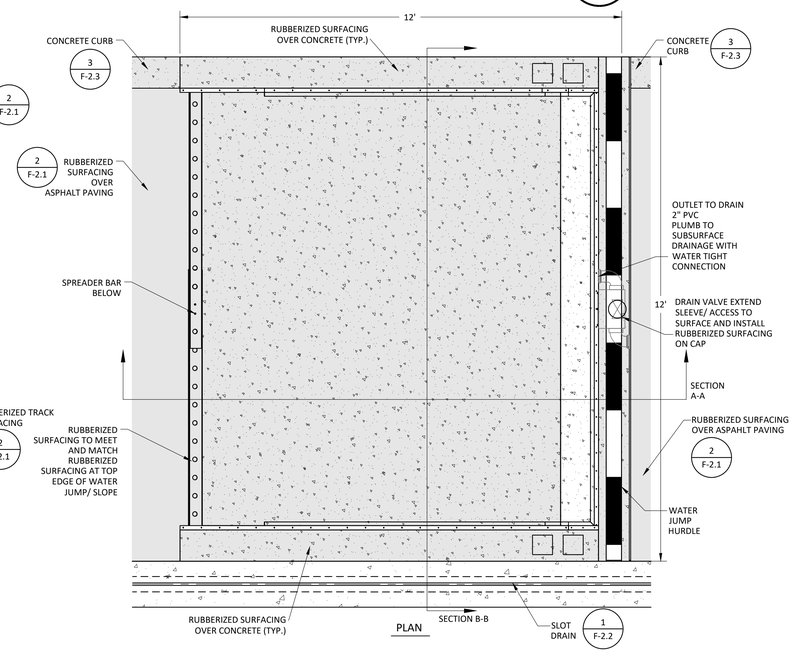


COMBOX 3000 SERIES (FOR USE IN RUBBERIZED)

3 F-2.9 COMBOX

NOT TO SCALE





2 F-2.9 STEEPLE CHASE DETAIL

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	12/06/23	BID SET

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FIELD EVENT DETAILS

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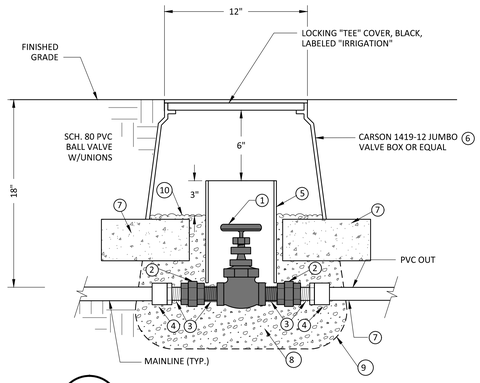
F-2.9

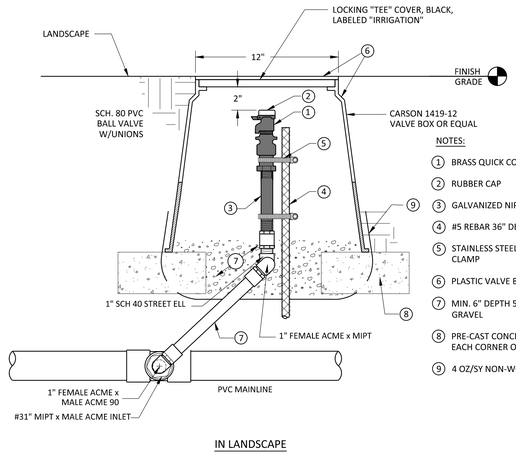


NOTES:

1. BRASS GATE VALVE, THREADED INLET/OUTLET, SIZED PER THE DRAWINGS OR ASSOCIATED INLET-SIDE PIPE
2. BRASS UNION
3. BRASS NIPPLE
4. SCHEDULE 80- PVC BUSHING, SxT
5. 6" PVC RISER PIPE
6. PLASTIC VALVE BOX, MIN. 12"Ø
7. PRE-CAST CONCRETE BRICK UNDER EACH CORNER OF THE VALVE BOX
8. MINIMUM 6' DEPTH 5/8" WASHED PEA GRAVEL
9. 4 OZ/SY NON-WOVEN GEOTEXTILE

1 / F-2.10 GATE VALVE & BOX

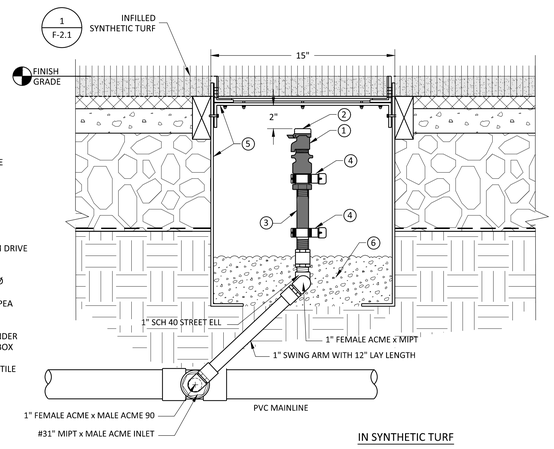
NOT TO SCALE



IN LANDSCAPE

NOTES:

1. BRASS QUICK COUPLING VALVE
2. RUBBER CAP
3. GALVANIZED NIPPLE
4. #5 REBAR 36" DEPTH
5. STAINLESS STEEL BAND WORM DRIVE CLAMP
6. PLASTIC VALVE BOX, MIN. 12"Ø
7. MIN. 6" DEPTH 5/8" WASHED PEA GRAVEL
8. PRE-CAST CONCRETE BRICK UNDER EACH CORNER OF THE VALVE BOX
9. 4 OZ/SY NON-WOVEN GEOTEXTILE



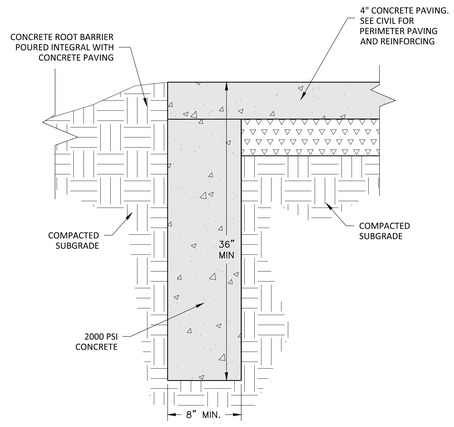
IN SYNTHETIC TURF

NOTES:

1. BRASS QUICK COUPLING VALVE
2. RUBBER CAP
3. GALVANIZED NIPPLE
4. STAINLESS STEEL CLAMP
5. SPORTSFIELD SPECIALTIES TURFCOOL OR APPROVED EQUAL VALVE BOX WITH REMOVABLE LID
6. CLEAN PEA GRAVEL 4"-6" DEPTH

2 / F-2.10 QUICK COUPLING VALVE ASSEMBLY

NOT TO SCALE



3 / F-2.10 ROOTBARRIER

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	12/06/23	BID SET

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IRRIGATION & WASHWATER DETAILS

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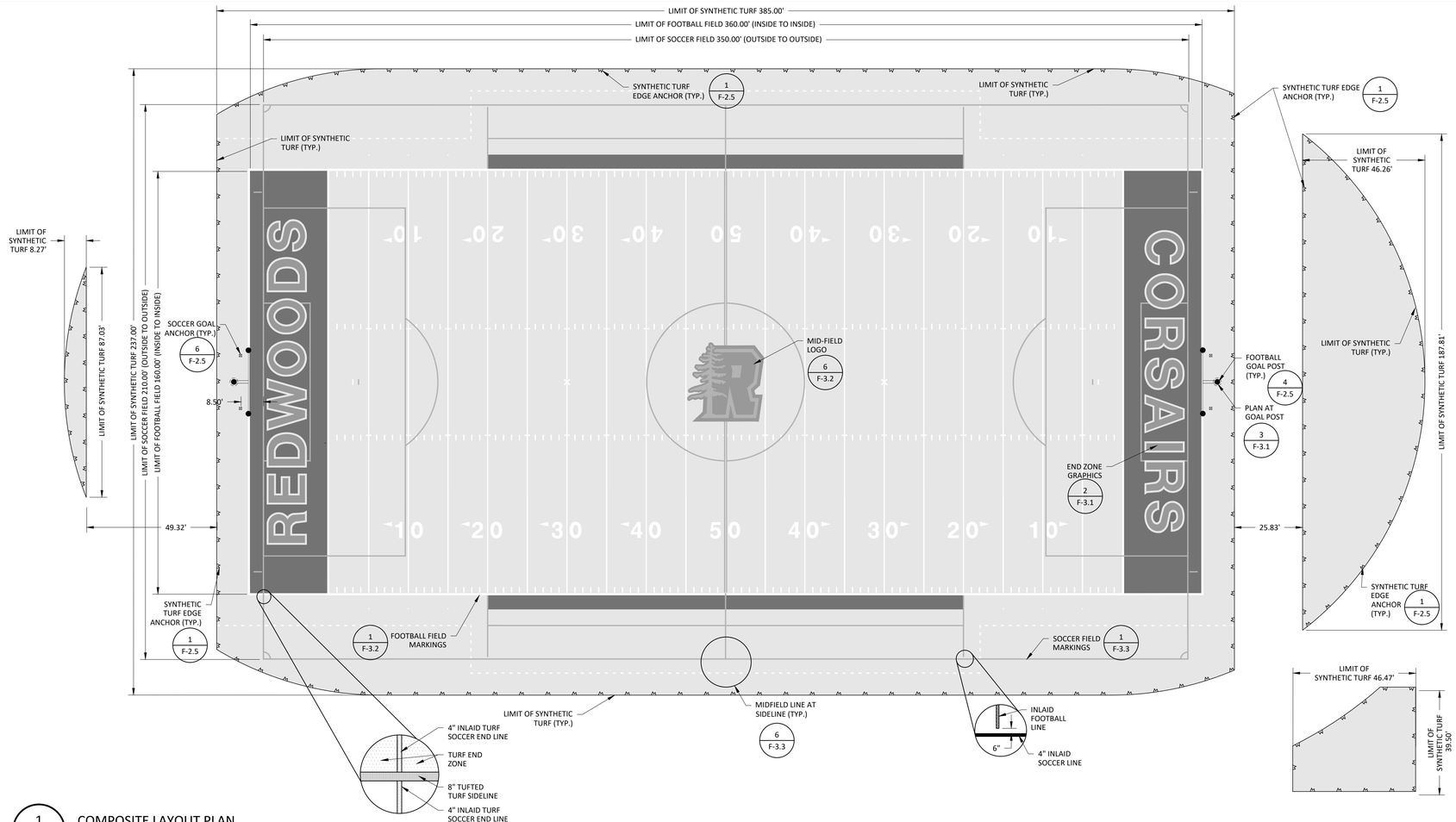
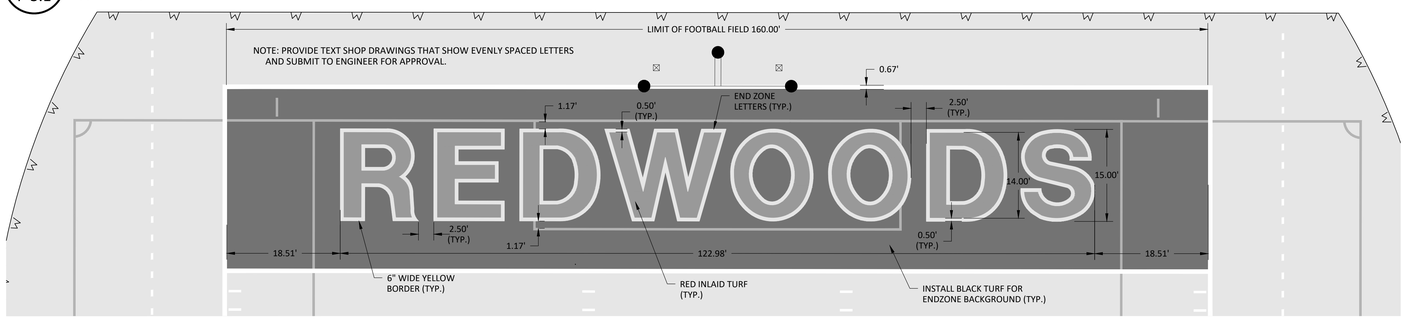
F-2.10

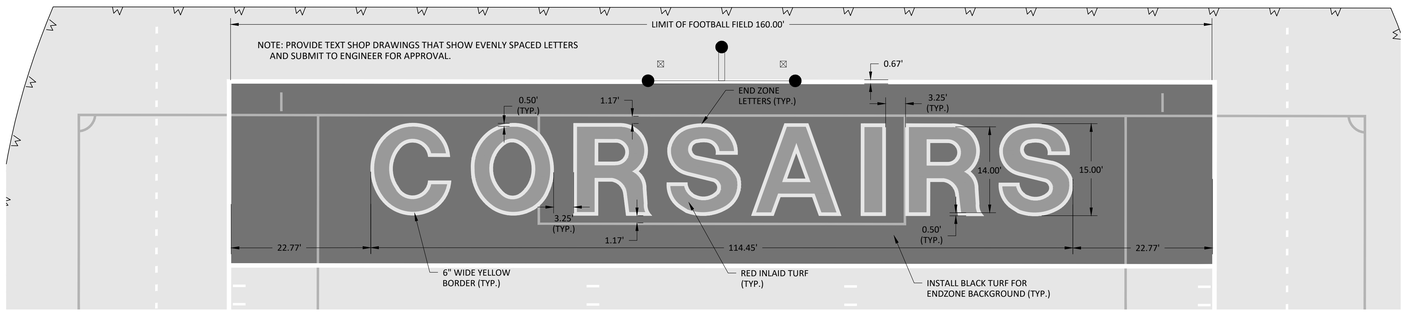


1 F-3.1 COMPOSITE LAYOUT PLAN

SCALE: 1"=20'



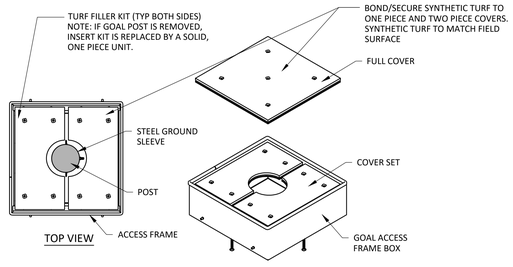
WEST END ZONE



EAST END ZONE

2 F-3.1 END ZONE GRAPHICS

SCALE 1"=10'



3 F-3.1 PLAN AT GOAL POST

NOT TO SCALE

FIELD MARKINGS IN ORDER OF PRIORITY:

FOOTBALL	WHITE LINES
SOCCER	YELLOW LINES

NOTES:

1. TURF SEAMS SHALL BE PLACED TO COINCIDE WITH YARD LINES. SEAMS BETWEEN FOOTBALL YARD LINES WILL NOT BE ACCEPTED.

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LICENSED ARCHITECT LYNDA JOHN MANSFIELD Exp. 2/31/25 STATE OF CALIFORNIA

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LICENSED LANDSCAPE ARCHITECT Robert S. Hutting No. 5060 Exp. 12-31-24 Renewal Date 12-06-23 STATE OF CALIFORNIA

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rev:	date:	description:
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SYNTHETIC TURF FIELD COMPOSITE PLAN

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F-3.1

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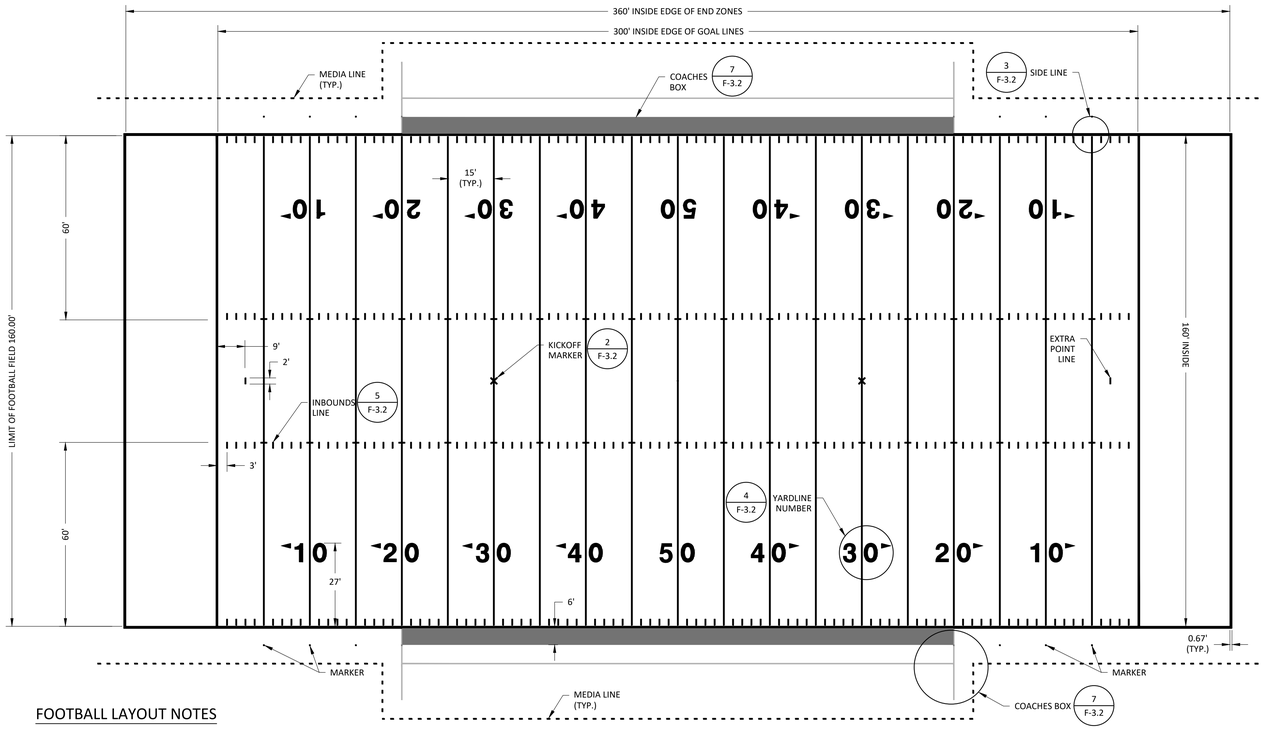
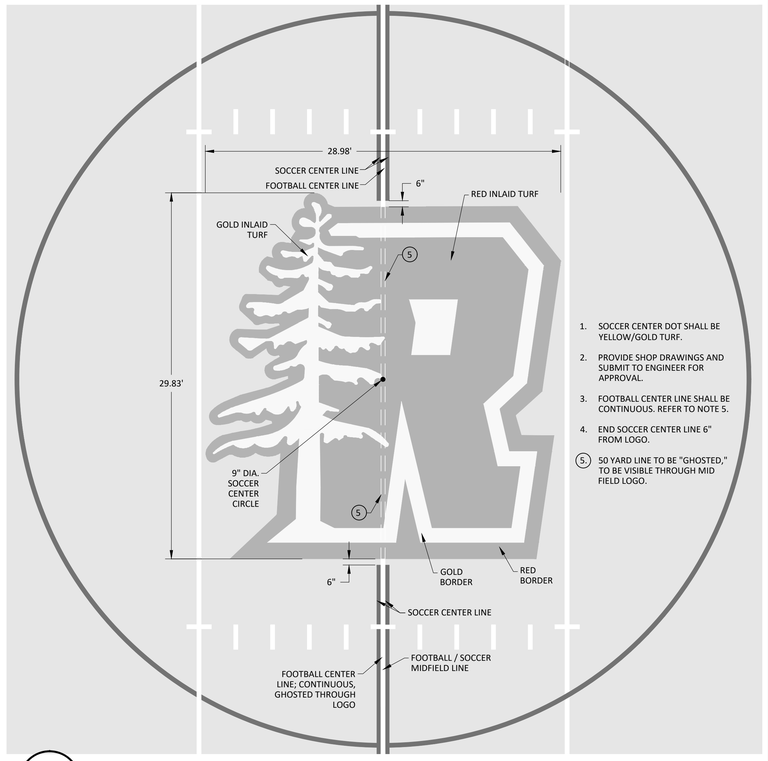
File: F-3.1 Synthetic Turf Field Composite Plan.dwg Plotted by: LorrinB Date: 30-Nov-23 9:05:19am



FOOTBALL LAYOUT NOTES

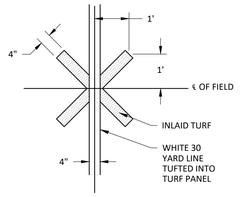
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
2. ALL LINE WORK IS TO BE LAID OUT WITH A TOLERANCE OF 1/4 INCH.
3. ALL YARDLINES SHALL BE 4 INCH, WHITE, TUFTED INTO THE TURF PANELS, THE GOAL LINES WILL BE 8 INCH TUFTED INTO THE TURF PANELS.
4. A 8 INCH WHITE LINE, TUFTED INTO THE TURF, WILL SURROUND THE ENTIRE PLAYING FIELD.
5. 24 INCH SHORT YARDLINE EXTENSIONS, 4 INCHES FROM THE SIDELINES SHALL BE 4 INCHES WIDE, WHITE, INLAID LINES.
6. THE COACHING BOX AND TEAM AREA SHALL BE PER NCAA RULES.
7. THE INBOUNDS LINES ARE 60 FEET FROM THE SIDELINES. INBOUNDS LINES AND SHORT YARDLINE EXTENSIONS SHALL BE 24 INCHES LONG AND 4 INCHES WIDE, INLAID, WHITE LINES. SHORT YARD LINE EXTENSIONS SHALL BE 60 FEET FROM THE SIDELINE.
8. THE EXTRA POINT LINES ARE 2 FEET LONG, 4 INCHES WIDE, WHITE INLAID LINES AT THE CENTERLINE OF THE FIELD AND THE 3 YARDLINE ON EACH END OF THE FIELD. REFER TO PLAN FOR LOCATION.
9. WHITE YARDLINE NUMBERS MEASURING 6 FEET IN HEIGHT AND 4 FEET IN WIDTH WITH THE TOP OF THE NUMBERS 27 FEET FROM THE INBOUND LINES ARE INLAID TURF.
10. DIRECTIONAL ARROWS POINT TOWARD RESPECTIVE ENDZONES. ARROWS ARE WHITE, INLAID TURF. THERE ARE NO ARROWS ON THE 50 YARDLINE.
11. AN X WILL MARK THE SPOT OF THE KICKOFF AT THE 30 YARDLINE ON EACH END OF THE FIELD. THE 30 YARDLINE SHALL BE WHITE TURF TUFTED INTO THE TURF PANELS AND THE EXTENSIONS FROM THE X SHALL BE INLAID WHITE TURF.
12. A 4"x4" MARKER IS MANDATORY AT EACH FIVE-YARD LINE EXTENDED BETWEEN THE GOAL LINE AS AN EXTENSION OF THE COACHING LINE.
13. YARD LINE MARKERS WILL BE PLACED 6' FROM THE SIDELINE AT THE 20, 15, 10 AND 5 YARD LINES.

1 F-3.2 **FOOTBALL LAYOUT PLAN**
SCALE: 1"=20'

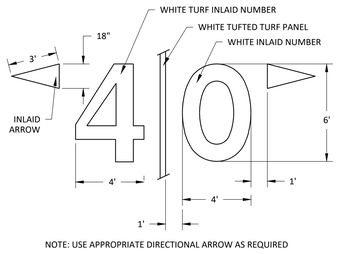


1. SOCCER CENTER DOT SHALL BE YELLOW/GOLD TURF.
2. PROVIDE SHOP DRAWINGS AND SUBMIT TO ENGINEER FOR APPROVAL.
3. FOOTBALL CENTER LINE SHALL BE CONTINUOUS. REFER TO NOTE 5.
4. END SOCCER CENTER LINE 6" FROM LOGO.
5. 50 YARD LINE TO BE "GHOSTED," TO BE VISIBLE THROUGH MID FIELD LOGO.

6 F-3.2 **MID-FIELD LOGO**
SCALE 1"=5'

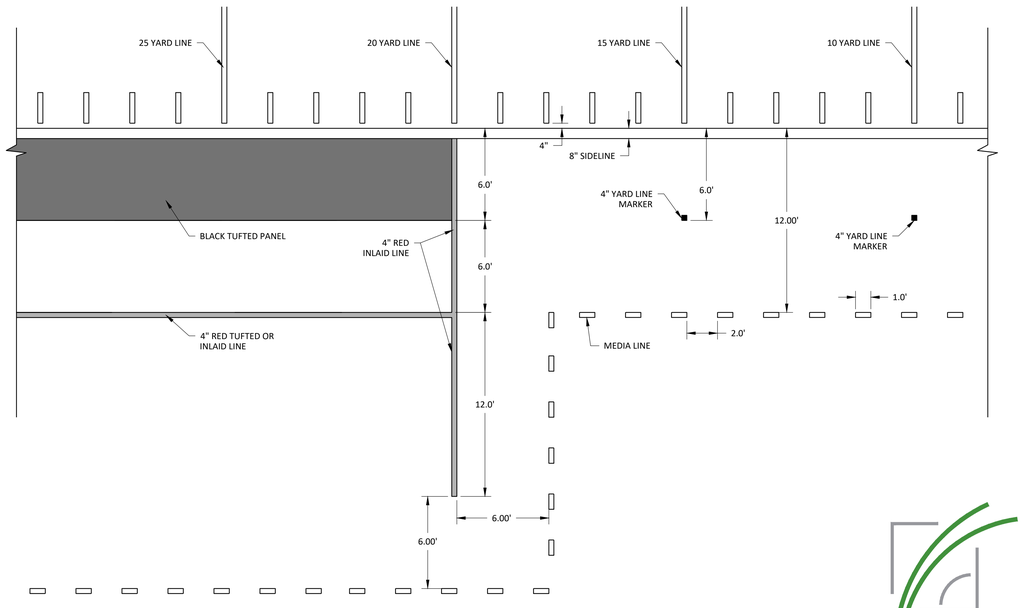


2 F-3.2 **KICK-OFF MARKER**
NOT TO SCALE

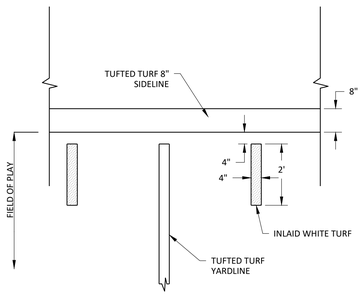


NOTE: USE APPROPRIATE DIRECTIONAL ARROW AS REQUIRED

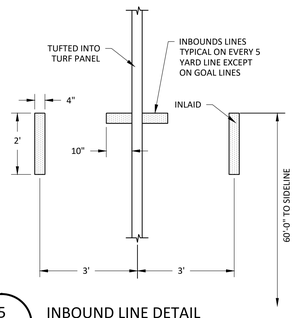
4 F-3.2 **YARDLINE NUMBER DETAIL**
NOT TO SCALE



7 F-3.2 **COACHES BOX DETAIL**
NOT TO SCALE



3 F-3.2 **SIDE LINE DETAIL**
NOT TO SCALE



5 F-3.2 **INBOUND LINE DETAIL**
NOT TO SCALE

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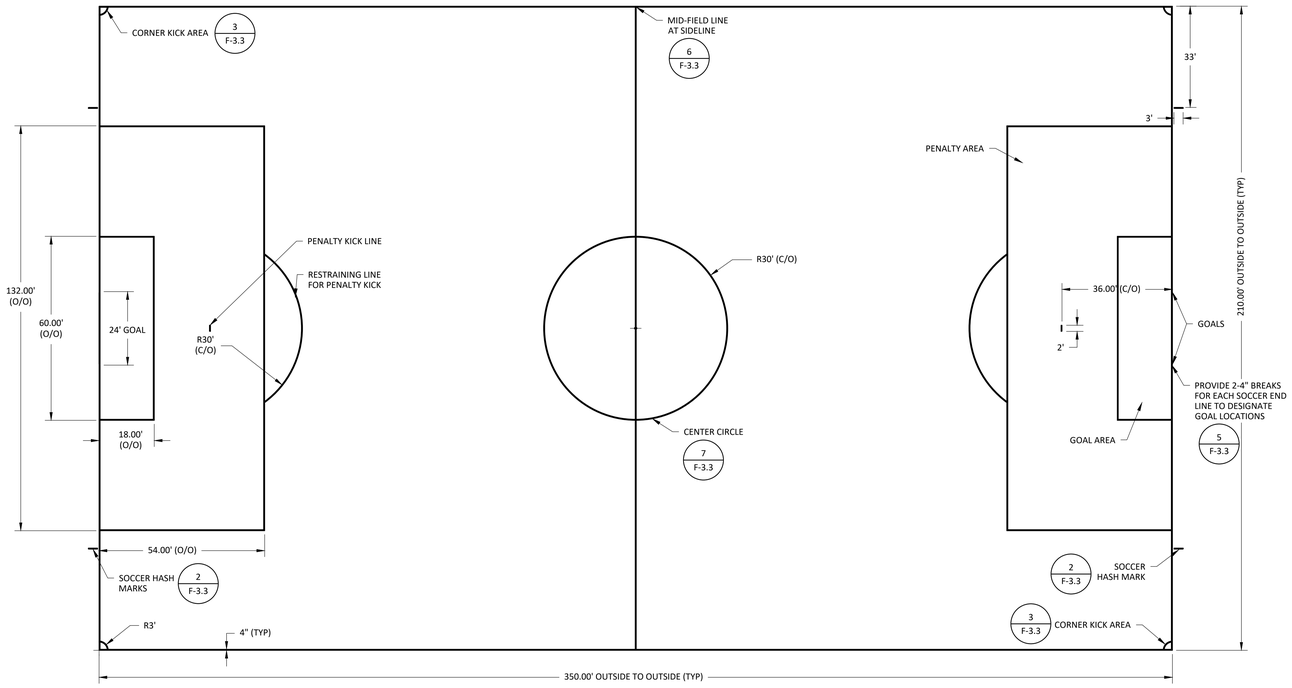
	12/06/23	BID SET

drawing title:
SYNTHETIC TURF FIELD FOOTBALL PLAN & DETAILS

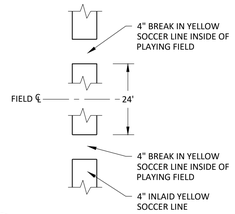
drawing no.:
F-3.2



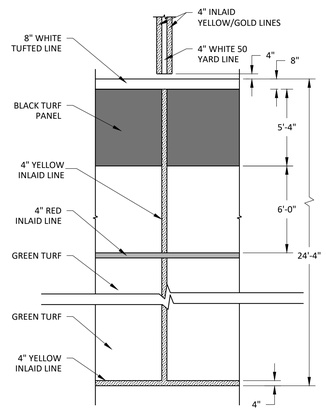
SOCCER LAYOUT NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ALL LINE WORK IS TO BE LAID OUT WITH A TOLERANCE OF 1/4 INCH.
2. ALL SOCCER LINES ARE 4 INCH YELLOW/GOLD INLAID TURF AS DIMENSIONED ON SOCCER LAYOUT PLAN.
3. THE SOCCER GOAL AREA IS 18 FEET BY 60 FEET. REFER TO PLAN FOR LOCATION.
4. THE SOCCER PENALTY AREA IS 54 FEET BY 132 FEET.
5. THE PENALTY MARK IS A 2 FOOT LINE, 4 INCHES WIDE, 36 FEET FROM THE END LINE AND CENTERED ON THE GOAL. THE RESTRAINING LINE FOR PENALTY KICK AN ARC 30 FEET FROM THIS MARK OUTSIDE OF THE PENALTY AREA. REFER TO PLAN FOR LOCATION.
6. THE HALFWAY LINE FOR THE SOCCER FIELD IS A 4 INCH YELLOW INLAID LINE WITH A CIRCLE, 30 FEET IN RADIUS IN THE CENTER OF THE FIELD. THE RADIUS POINT OF THE MIDFIELD CIRCLE WILL BE INLAID YELLOW DOT WITH A 9 INCH DIAMETER. THE FOOTBALL LINES WILL PASS THROUGH THE SOCCER LINES. THE 50 YARD LINE OF THE FOOTBALL FIELD WILL BE WHITE WITH 4 INCHES OF YELLOW INLAID TURF ON EACH SIDE AND WILL EXTEND TO THE SIDELINE OF THE FOOTBALL FIELD.
7. THE SOCCER LINE WILL EXTEND BEYOND THE FOOTBALL SIDELINE BEGINNING 4 INCHES OUTSIDE THE 8 INCH SIDELINE AND EXTENDING THROUGH THE COACHES BOX.
8. THE CORNERS OF THE SOCCER FIELD SHALL HAVE A 3 FOOT RADIUS IN YELLOW TURF DESIGNATING THE CORNER KICK AREA.THE HASH MARK IS A 3 FOOT LINE, 4 INCHES WIDE, 33 FEET FROM THE SIDE LINE AND EXTENDS AWAY FROM THE FIELD OF PLAY.

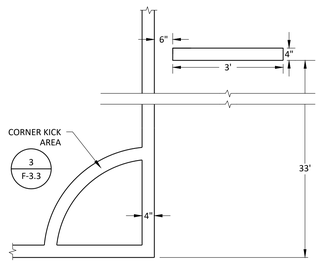
1 / F-3.3 SOCCER LAYOUT PLAN
NOT TO SCALE



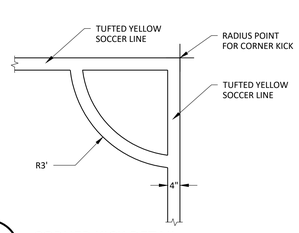
5 / F-3.3 SOCCER GOAL ALIGNMENT SQUARES
NOT TO SCALE



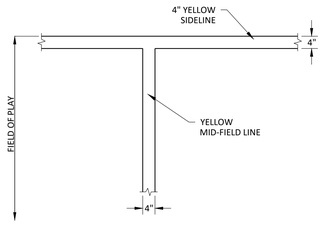
6 / F-3.3 MID-FIELD LINE AT SIDELINE
NOT TO SCALE



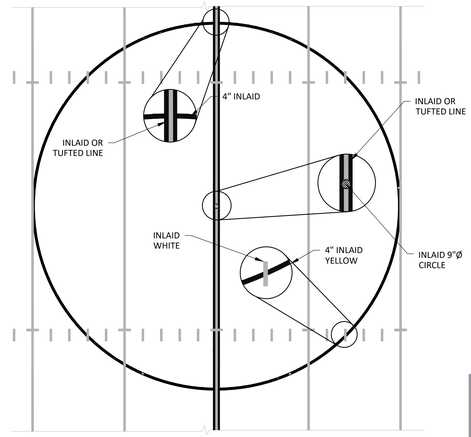
2 / F-3.3 SOCCER HASH MARKS
NOT TO SCALE



3 / F-3.3 CORNER KICK DETAIL
NOT TO SCALE



4 / F-3.3 SOCCER SIDELINE
NOT TO SCALE



7 / F-3.3 SOCCER CIRCLE AND MID-FIELD LINE
NOT TO SCALE

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