

SITE PLANS FOR CAMP DODGE PT-12 SOFTBALL FIELD

CAMP DODGE, POLK COUNTY, IOWA
CONTRACT NO.: XXXXXX PROJECT NO.: XXXXXX



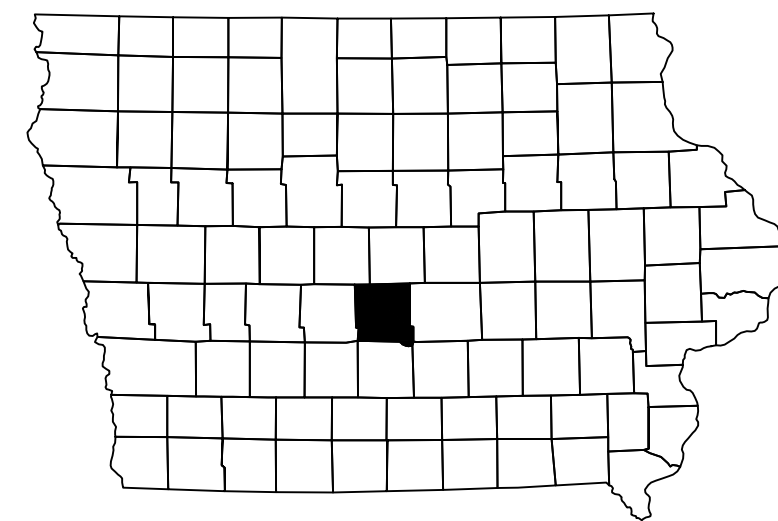
VICINITY MAP

OWNER / DEVELOPER

CAMP DODGE MILITARY BASE
7105 NW 70TH AVE
JOHNSTON, IOWA, 50131

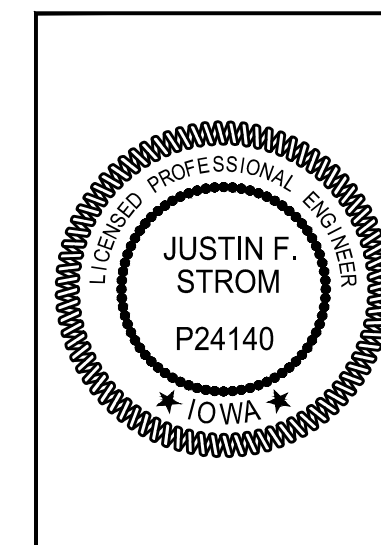
ENGINEER

SNYDER & ASSOCIATES, INC.
2727 SNYDER BLVD
ANKENY, IOWA, 50023



Sheet List Table

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C401	SITE DETAILS
C402	SITE DETAILS



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Justin F. Strom, P.E. Date _____
License Number P24140
My License Renewal Date is December 31, 2024
Pages or sheets covered by this seal: _____

CAMP DODGE PT-12 SOFTBALL FIELD

TITLE SHEET

JOHNSTON, IOWA

SNYDER & ASSOCIATES, INC.



Project No: 123.1320.01

Sheet C100

MARK	REVISION	DATE	BY
Engineer: EDC	Checked By: CHKD	Scale: 1" = 500'	
Technician: TKV	Date: 1/26/2024	T-R-S: TTN-RRW-SS	
Project No: 123.1320.01			Sheet C100

PRELIMINARY SITE PLAN:100% SUBMITTAL

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LEGEND

FEATURES	FOUND	SET
Section Corner	●	△
1/2" Rebar, Cap # 11579 (Unless Otherwise Noted)	○	○
ROW Marker	■	■
ROW Rail	■	■
Control Point	○	○
Bench Mark	○	○
Platted Distance	P	P
Measured Bearing & Distance	M	M
Recorded As	R	R
Deed Distance	D	D
Calculated Distance	C	C
Minimum Protection Elevation	MPE	MPE
Centerline	---	---
Section Line	---	---
1/4 Section Line	---	---
1/4 1/4 Section Line	---	---
Easement Line	---	---

FEATURES	EXISTING	PROPOSED
Spot Elevation	X 1225.25	X 1225.25
Contour Elevation	X 1225	X 1225
Fence (Barbed, Field, Hog)		
Fence (Chain Link)		
Fence (Wood)		
Fence (Silt)		
Tree Line	○	○
Tree Stump	○	○
Deciduous Tree \ \ Shrub	○	○
Coniferous Tree \ \ Shrub	○	○
Communication	C(*)	C
Overhead Communication	OC(*)	OC
Fiber Optic	FO(*)	FO
Underground Electric	E(*)	E
Overhead Electric	OE(*)	OE
Gas Main with Size	G(*)	G
High Pressure Gas Main with Size	HPG	HPG
Water Main with Size	W(*)	W
Sanitary Sewer with Size	S(*)	S
Duct Bank	DUCT(*)	DUCT(*)
Test Hole Location for SUE w/ID	⊗	⊗

(*) Denotes the survey quality service level for utilities

Sanitary Manhole	⊗	⊗
Storm Sewer with Size	ST(*)	ST(*)
Storm Manhole	⊗	⊗
Single Storm Sewer Intake	⊗	⊗
Double Storm Sewer Intake	⊗	⊗
Fire Hydrant	⊗	⊗
Fire Hydrant on Building	⊗	⊗
Water Main Valve	⊗	⊗
Water Service Valve	⊗	⊗
Well	⊗	⊗
Utility Pole	⊗	⊗
Guy Anchor	⊗	⊗
Utility Pole with Light	⊗	⊗
Utility Pole with Transformer	⊗	⊗
Street Light	⊗	⊗
Yard Light	⊗	⊗
Electric Box	⊗	⊗
Electric Transformer	⊗	⊗
Traffic Sign	⊗	⊗
Communication Pedestal	⊗	⊗
Communication Manhole	⊗	⊗
Communication Handhole	⊗	⊗
Fiber Optic Manhole	⊗	⊗
Fiber Optic Handhole	⊗	⊗
Gas Valve	⊗	⊗
Gas Manhole	⊗	⊗
Gas Apparatus	⊗	⊗
Fence Post or Guard Post	⊗	⊗
Underground Storage Tank	⊗	⊗
Above Ground Storage Tank	⊗	⊗
Sign	⊗	⊗
Satellite Dish	⊗	⊗
Mailbox	⊗	⊗
Sprinkler Head	⊗	⊗
Irrigation Control Valve	⊗	⊗

UTILITY QUALITY SERVICE LEVELS

QUALITY LEVELS OF UTILITIES ARE SHOWN IN THE PARENTHESES WITH THE UTILITY TYPE AND WHEN APPLICABLE, SIZE. THE QUALITY LEVELS ARE BASED ON THE C1 / ASCE 38-02 STANDARD.

QUALITY LEVEL (D) INFORMATION IS DERIVED FROM EXISTING UTILITY RECORDS OR ORAL RECOLLECTIONS.

QUALITY LEVEL (C) INFORMATION IS OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION WITH QUALITY D INFORMATION.

QUALITY LEVEL (B) INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.

QUALITY LEVEL (A) IS HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES OBTAINED BY ACTUAL EXPOSURE OR VERIFICATION OF PREVIOUSLY EXPOSED SUBSURFACE UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

UTILITY WARNING

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN COMPRISE ALL SUCH ITEMS IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN ARE IN THE EXACT LOCATION INDICATED EXCEPT WHERE NOTED AS QUALITY LEVEL A.

PROJECT INFO GENERAL NOTES

- NOTIFY UTILITY PROVIDERS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES AND COORDINATE WITH UTILITY PROVIDERS AS NECESSARY DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION, AND DEPTH OF ALL UTILITIES. PROTECT ALL UTILITY LINES AND STRUCTURES NOT SHOWN FOR REMOVAL OR MODIFICATION. ANY DAMAGES TO UTILITY ITEMS NOT SHOWN FOR REMOVAL OR MODIFICATION SHALL BE REPAIRED TO THE UTILITY OWNER'S SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE.
- CONSTRUCTION OF ALL STREET AND UTILITY IMPROVEMENTS SHALL CONFORM TO THE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS AND THE SOILS REPORTS PREPARED BY OTHERS.
- LENGTH OF UTILITIES SHOWN ON PLANS ARE DIMENSIONED FROM CENTERLINE OF STRUCTURE TO CENTERLINE OF STRUCTURE.
- ALL TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). WHEN CONSTRUCTION ACTIVITIES OBSTRUCT PORTIONS OF THE ROADWAY, FLAGGERS SHALL BE PROVIDED. FLAGGERS SHALL CONFORM TO THE MUTCD IN APPEARANCE, EQUIPMENT AND ACTIONS.
- NOTIFY OWNER, ENGINEER, AND THE CITY OF JOHNSTON AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
- CONSTRUCT MANHOLES AND APPURTENANCES AS WORK PROGRESSES. BACKFILL WITH SUITABLE MATERIAL AND COMPACT TO 95% MAXIMUM DENSITY.
- IN THE EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.
- ALL FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED AND NOTED ACCORDINGLY ON THE AS-BUILT DOCUMENTS.
- DIMENSIONS, BUILDING LOCATION, UTILITIES AND GRADING OF THIS SITE ARE BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. DEVIATIONS MAY BE NECESSARY IN THE FIELD. ANY SUCH CHANGES OR CONFLICTS BETWEEN THIS PLAN AND FIELD CONDITIONS ARE TO BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT VERIFICATION OF ALL SITE IMPROVEMENTS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO LOAD AND TRANSPORT ALL MATERIALS CONSIDERED TO BE UNDESIRABLE TO BE INCORPORATED INTO THE PROJECT TO AN APPROVED OFF-SITE WASTE SITE.
- CONTRACTOR TO STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE CUT OR FILLED. RESPREAD TO MINIMUM 6" DEPTH TO FINISH GRADES.
- ALL PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISHED GRADES AND/OR TOP OF PAVING SLAB (GUTTER), UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS RESPONSIBLE FOR CLEANING DIRT AND DEBRIS FROM NEIGHBORING STREETS, DRIVEWAYS, AND SIDEWALKS CAUSED BY CONSTRUCTION ACTIVITIES IN A TIMELY MANNER.
- THE ADJUSTMENT OF ANY EXISTING UTILITY APPURTENANCES TO FINAL GRADE IS CONSIDERED INCIDENTAL TO THE SITE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING EROSION CONTROL MEASURES AS NECESSARY. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING ANY EXISTING EROSION CONTROL MEASURES ON SITE AT THE TIME OF CONSTRUCTION. GRADING AND SOIL EROSION CONTROL CODE REQUIREMENTS SHALL BE MET BY CONTRACTOR. A GRADING PERMIT IS REQUIRED FOR THIS PROJECT.
- CONTRACTOR TO COORDINATE NATURAL GAS, ELECTRICAL, TELEPHONE AND ANY OTHER FRANCHISE UTILITY SERVICES WITH UTILITY SERVICE PROVIDER, THE CITY OF JOHNSTON, AND THE OWNER PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY ALL UTILITY CROSSINGS AND MAINTAIN MINIMUM 18" VERTICAL AND HORIZONTAL CLEARANCE BETWEEN UTILITIES. CONTRACTOR TO COORDINATE UTILITY ROUTING TO BUILDING AND VERIFY CONNECTION LOCATIONS AND INVERTS PRIOR TO CONSTRUCTION.

SURVEY NOTES

- BUILDING LINES AND CORNERS ARE FOR USE IN PREPARING CIVIL SITE PLAN DOCUMENTS. BUILDING CORNERS AND BUILDING LINES SHOULD BE SPECIFICALLY VERIFIED, AS NECESSARY, PRIOR TO DESIGN FOR CONSTRUCTION OF ANY PROPOSED EXPANSION OR CONNECTION OF BUILDING COMPONENTS.
- FOR CLARITY PURPOSES, SURVEY SPOT ELEVATIONS ARE NOT SHOWN ON THIS SURVEY, BUT ARE CONTAINED WITHIN THE DIGITAL CADD FILES.
- FOR THE PURPOSE OF THIS SURVEY, STORM SEWER, SANITARY SEWER AND WATER MAIN LINES ARE ASSUMED TO FOLLOW A STRAIGHT LINE FROM STRUCTURE TO STRUCTURE.
- UTILITY SERVICE LINES TO BUILDINGS ARE APPROXIMATE ONLY. AN INTERNAL BUILDING INVESTIGATION, EXCAVATION AND/OR SUBSURFACE LOCATING/DESIGNATING WOULD NEED TO BE PERFORMED TO DETERMINE THE LOCATION OF SERVICES ENTERING THE BUILDING.
- UNDERGROUND PIPE MATERIALS AND SIZES ARE BASED UPON VISIBLE EVIDENCE VIEWED FROM ACCESS MANHOLES/STRUCTURES. DUE TO THE CONFIGURATION AND/OR CONSTRUCTION OF THE STRUCTURE, IT MAY BE DIFFICULT TO ACCURATELY DETERMINE THE PIPE MATERIAL AND/OR SIZE. THE SURVEYOR WILL USE THEIR JUDGMENT AND EXPERIENCE TO ATTEMPT TO DETERMINE, BUT COMPLETE ACCURACY CANNOT BE GUARANTEED.
- BOUNDARY LINES SHOWN ON THE EXISTING SITE SURVEY ARE TO FACILITATE DESIGN OR CONCEPT NEEDS AND ENABLE CREATION OF SAID CONSTRUCTION DOCUMENTS. THESE LINES DO NOT CONSTITUTE A CERTIFIED BOUNDARY SURVEY AND MISSING MONUMENTS WILL NOT BE SET.

POLLUTION PREVENTION NOTES

A. POLLUTION PREVENTION AND EROSION PROTECTION

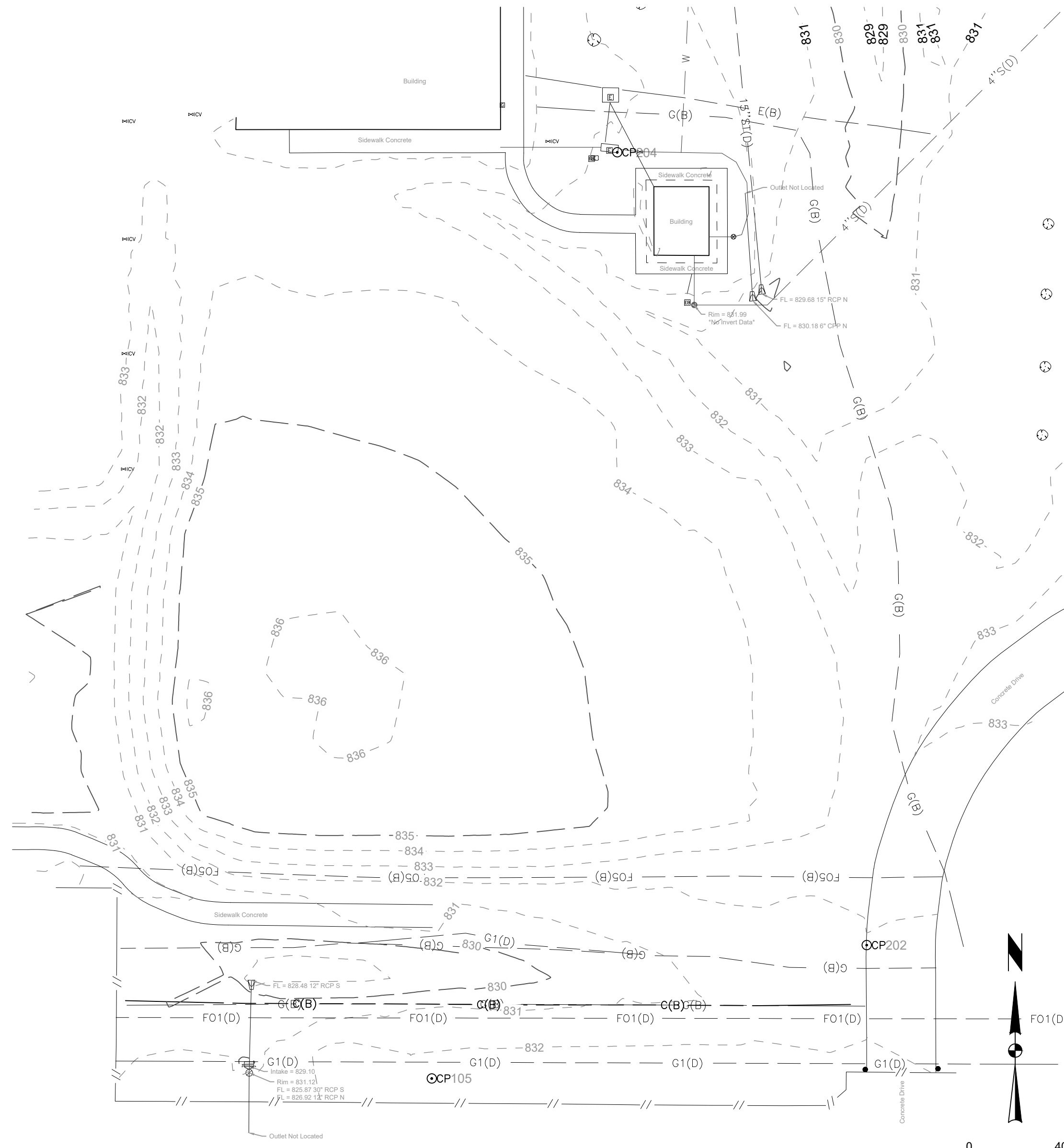
- CODE COMPLIANCE:** THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL POTENTIAL POLLUTION AND SOIL EROSION CONTROL REQUIREMENTS OF THE IOWA CODE, THE IOWA DEPARTMENT OF NATURAL RESOURCES (IDNR) NPDES PERMIT, THE U.S. CLEAN WATER ACT AND ANY LOCAL ORDINANCES. THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PROTECT AGAINST EROSION AND POLLUTION FROM THIS PROJECT SITE AND ALL OFF-SITE BORROW OR DEPOSIT AREAS DURING PERFORMANCE OR AS A RESULT OF PERFORMANCE.
- DAMAGE CLAIMS:** THE CONTRACTOR WILL HOLD THE OWNER AND ARCHITECT / ENGINEER HARMLESS FROM ANY AND ALL CLAIMS OF ANY TYPE WHATSOEVER RESULTING FROM DAMAGES TO ADJOINING PUBLIC OR PRIVATE PROPERTY, INCLUDING REASONABLE ATTORNEY FEES INCURRED TO OWNER. FURTHER, IF THE CONTRACTOR FAILS TO TAKE NECESSARY STEPS TO PROMPTLY REMOVE EARTH SEDIMENTATION OR DEBRIS WHICH COMES ONTO ADJOINING PUBLIC OR PRIVATE PROPERTY, THE OWNER MAY, BUT NEED NOT, REMOVE SUCH ITEMS AND DEDUCT THE COST THEREOF FROM AMOUNTS DUE TO THE CONTRACTOR.

B. STORM WATER DISCHARGE PERMIT

- THIS PROJECT REQUIRES COVERAGE UNDER THE NPDES GENERAL PERMIT NO. 2 FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES FROM THE IDNR, AS REQUIRED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE RESPONSIBLE FOR COMPLIANCE WITH AND FULFILLMENT OF ALL REQUIREMENTS OF THE NPDES GENERAL PERMIT NO. 2 AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- ALL DOCUMENTS RELATED TO THE STORM WATER DISCHARGE PERMIT, INCLUDING, BUT NOT LIMITED TO, THE NOTICE OF INTENT, PROOF OF PUBLICATIONS, DISCHARGE AUTHORIZATION LETTER, CURRENT SWPPP, SITE INSPECTION LOG, AND OTHER ITEMS, SHALL BE THE RESPONSIBILITY OF THE IOWA ARMY NATIONAL GUARD.

C. POLLUTION PREVENTION PLAN

- THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS A SEPARATE DOCUMENT IN ADDITION TO THESE PLAN DRAWINGS. THE CONTRACTOR SHOULD REFER TO THE SWPPP FOR ADDITIONAL REQUIREMENTS AND MODIFICATIONS TO THE POLLUTION PREVENTION PLAN MADE DURING CONSTRUCTION.
- THE SWPPP ILLUSTRATES GENERAL MEASURES AND BEST MANAGEMENT PRACTICES (BMP) FOR COMPLIANCE WITH THE PROJECT'S NPDES PERMIT COVERAGE. ALL BMP'S AND EROSION CONTROL MEASURES REQUIRED AS A RESULT OF CONSTRUCTION ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY, NOTE AND IMPLEMENT. ADDITIONAL BMP'S FROM THOSE SHOWN ON THE PLAN MAY BE REQUIRED.
- THE SWPPP AND SITE MAP SHOULD BE EXPEDITIOUSLY REVISED TO REFLECT CONSTRUCTION PROGRESS AND CHANGES AT THE PROJECT SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL REQUIREMENTS OF THE GENERAL PERMIT AND SWPPP, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING BMP'S UNLESS INFEASIBLE OR NOT APPLICABLE.
 - UTILIZE OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE WHEN DISCHARGING FROM BASINS, PROVIDE AND MAINTAIN NATURAL BUFFERS AROUND SURFACE WATERS, DIRECT STORM WATER TO VEGETATED AREAS TO INCREASE SEDIMENT REMOVAL AND MAXIMIZE STORM WATER INFILTRATION, AND MINIMIZE SOIL COMPACTION.
 - INSTALL PERIMETER AND FINAL SEDIMENT CONTROL MEASURES SUCH AS SILT BARRIERS, DITCH CHECKS, DIVERSION BERMS, OR SEDIMENTATION BASINS DOWNSTREAM OF SOIL DISTURBING ACTIVITIES PRIOR TO SITE CLEARING AND GRADING OPERATIONS.
 - PRESERVE EXISTING VEGETATION IN AREAS NOT NEEDED FOR CONSTRUCTION AND LIMIT TO A MINIMUM THE TOTAL AREA DISTURBED BY CONSTRUCTION OPERATIONS AT ANY TIME.
 - MAINTAIN ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES IN WORKING ORDER, INCLUDING CLEANING, REPAIRING, REPLACEMENT, AND SEDIMENT REMOVAL THROUGHOUT THE PERMIT PERIOD. CLEAN OR REPLACE SILT CONTROL DEVICES WHEN THE MEASURES HAVE LOST 50% OF THEIR ORIGINAL CAPACITY.
 - PREVENT ACCUMULATION OF EARTH AND DEBRIS FROM CONSTRUCTION ACTIVITIES ON ADJOINING PUBLIC OR PRIVATE PROPERTIES, INCLUDING STREETS, DRIVEWAYS, SIDEWALKS, DRAINAGEWAYS, OR UNDERGROUND SEWERS. REMOVE ANY ACCUMULATION OF EARTH OR DEBRIS IMMEDIATELY AND TAKE REMEDIAL ACTIONS FOR FUTURE PREVENTION.
 - INSTALL NECESSARY CONTROL MEASURES SUCH AS SILT BARRIERS, EROSION CONTROL MATS, MULCH, DITCH CHECKS OR RIPRAP AS SOON AS AREAS REACH THEIR FINAL GRADES AND AS CONSTRUCTION OPERATIONS PROGRESS TO ENSURE CONTINUOUS RUNOFF CONTROL. PROVIDE INLET AND OUTLET CONTROL MEASURES AS SOON AS STORM SEWERS ARE INSTALLED.
 - RESPREAD A MINIMUM OF 8 INCHES OF TOPSOIL (INCLUDING TOPSOIL FOUND IN SOD) ON ALL DISTURBED AREAS, EXCEPT WHERE PAVEMENT, BUILDINGS OR OTHER IMPROVEMENTS ARE LOCATED.
 - STABILIZE UNDEVELOPED, DISTURBED AREAS WITH MULCH, TEMPORARY SEED MIX, PERMANENT SEED MIX, SOD, OR PAVEMENT IMMEDIATELY AS SOON AS POSSIBLE UPON COMPLETION OR DELAY OF GRADING OPERATIONS. INITIATE STABILIZATION MEASURES IMMEDIATELY AFTER CONSTRUCTION ACTIVITY IS FINALLY COMPLETED OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WHICH WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
 - COORDINATE LOCATIONS OF STAGING AREAS WITH THE OWNER AND RECORD IN THE SWPPP. UNLESS NOTED OTHERWISE, STAGING AREAS SHOULD CONTAIN THE FOLLOWING: JOB TRAILERS, FUELING / VEHICLE MAINTENANCE AREA, TEMPORARY SANITARY FACILITIES, MATERIALS STORAGE, AND CONCRETE WASHOUT FACILITY. CONTROL RUNOFF FROM STAGING AREAS WITH DIVERSION BERMS AND/OR SILT BARRIERS AND DIRECT TO A SEDIMENT BASIN OR OTHER CONTROL DEVICE WHERE POSSIBLE. CONCRETE WASHOUT MUST BE CONTAINED ONSITE.
 - REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND SITE WASTE PRIOR TO COORDINATING WITH THE IOWA ARMY NATIONAL GUARD WHO IS RESPONSIBLE FOR FILING OF THE "NOTICE OF DISCONTINUATION".



1 EXISTING CONDITIONS
C101 1" = 40'

PROPERTY DESCRIPTION

ALL W OF INTER URBAN RY LESS RD SW 1/4 SEC 36-80-25

PROPERTY ADDRESS

7105 NW 70TH AVE, JOHNSTON, IA 50131

ZONING

GF - GOVERNMENT FACILITY DISTRICT

UTILITY CONTACT INFORMATION

UTILITY MAPPING INFORMATION SHOWN AS RECEIVED FROM CAMP DODGE UTILITY FILE.

G1-GAS MAIN
FO1-FIBER OPTIC
W1-WATER MAIN

CONTROL POINTS

IOWA REGIONAL COORDINATE SYSTEM ZONE 8 (AMES-DES MOINES) NAD83(2011)(EPOCH 2010.00) IARTN DERIVED - US SURVEY FEET	
IOWA SOUTH STATE PLANE COORDINATE SYSTEM NAD83(2011)(EPOCH 2010.00) IARTN DERIVED - US SURVEY FEET	
BLDCP104	N=615682.834 E=1580279.568 Z=833.62 MAG NAIL & TRAIL, ± 50' W OF SOCCER FIELD, ± 425' N OF HWY 44 (AS SHOWN ON SURVEY)
BLDCP105	N=615289.175 E=1580676.144 Z=832.28 3/4" REBAR RPC, ± 20' N OF FENCE, ± 100' E OF GAS ENCLOSURE (AS SHOWN ON SURVEY)
CP201	N=615381.365 E=1580388.43 Z=829.201 3/4" REBAR, ± 50' W OF GAS ENCLOSURE, ± 100' N OF HWY 44 (AS SHOWN ON SURVEY)
CP202	N=615347.17 E=1580865.29 Z=831.84 CUT X WEST EDGE CONCRETE DRIVE, ± 70' N OF HWY 44, ± 325' E OF GAS ENCLOSURE (AS SHOWN ON SURVEY)
CP204	N=615691.862 E=1580756.804 Z=833.004 CUT X SE CORNER WATER GENERATOR PAD, ± 25' NW OF BATHROOMS, ± 40' E OF BUILDING (AS SHOWN ON SURVEY)

DATE OF SURVEY

NOVEMBER 9, 2023



CAMP DODGE PT-12 SOFTBALL FIELD

PROJECT INFORMATION

JOHNSTON, IOWA

SNYDER & ASSOCIATES, INC.



Project No: 123.1320.01
Sheet C101

PRELIMINARY SITE PLAN: 95% SUBMITTAL

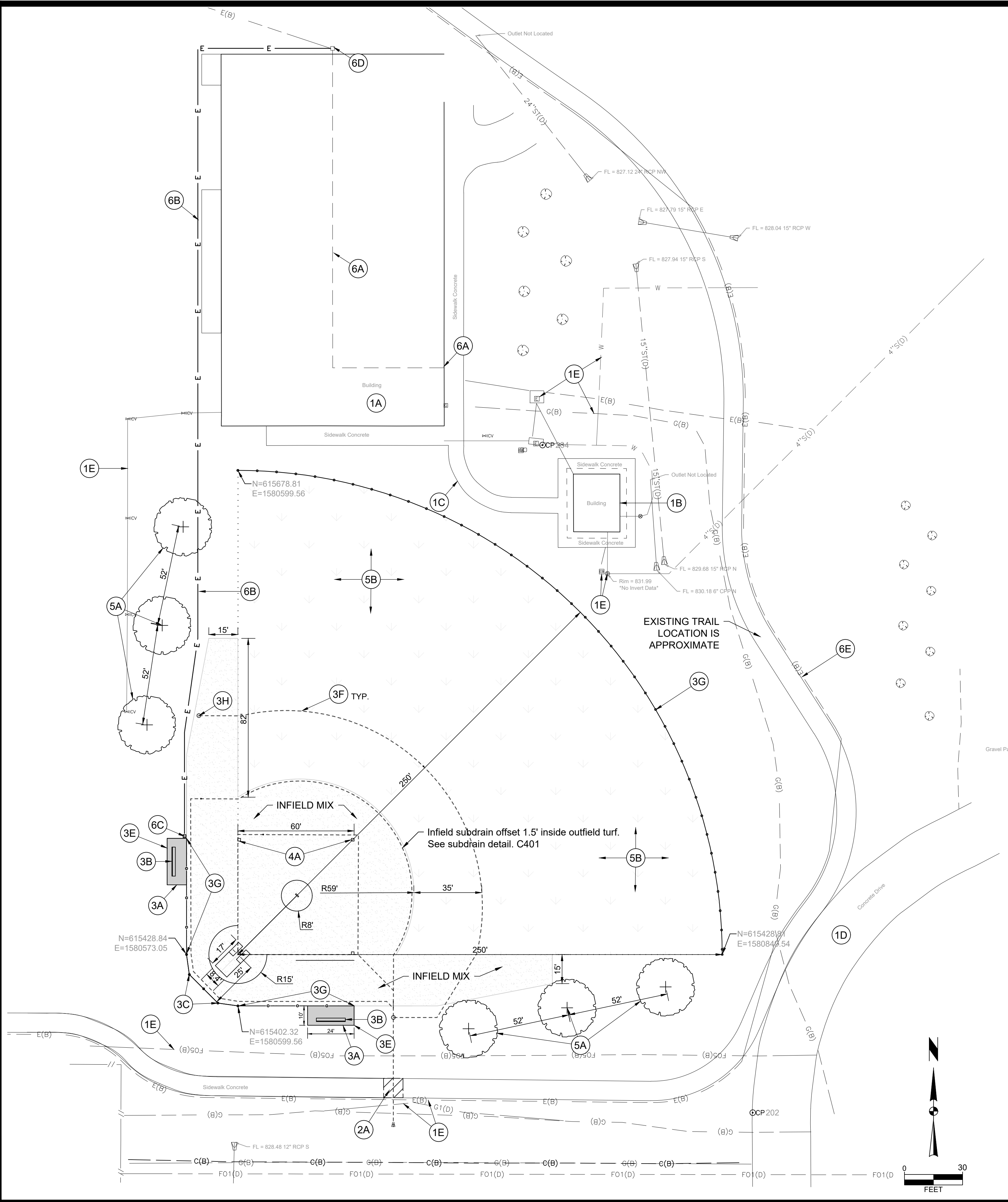
Sheet C101

Project No: 123.1320.01

MARK	REVISION	DATE	BY
Engineer: EDC	Checked By: CHKD	Scale: 1" = NONE	
Technician: TKV	Date: 1/26/2024	T-R-S: TTN-RRW-SS	

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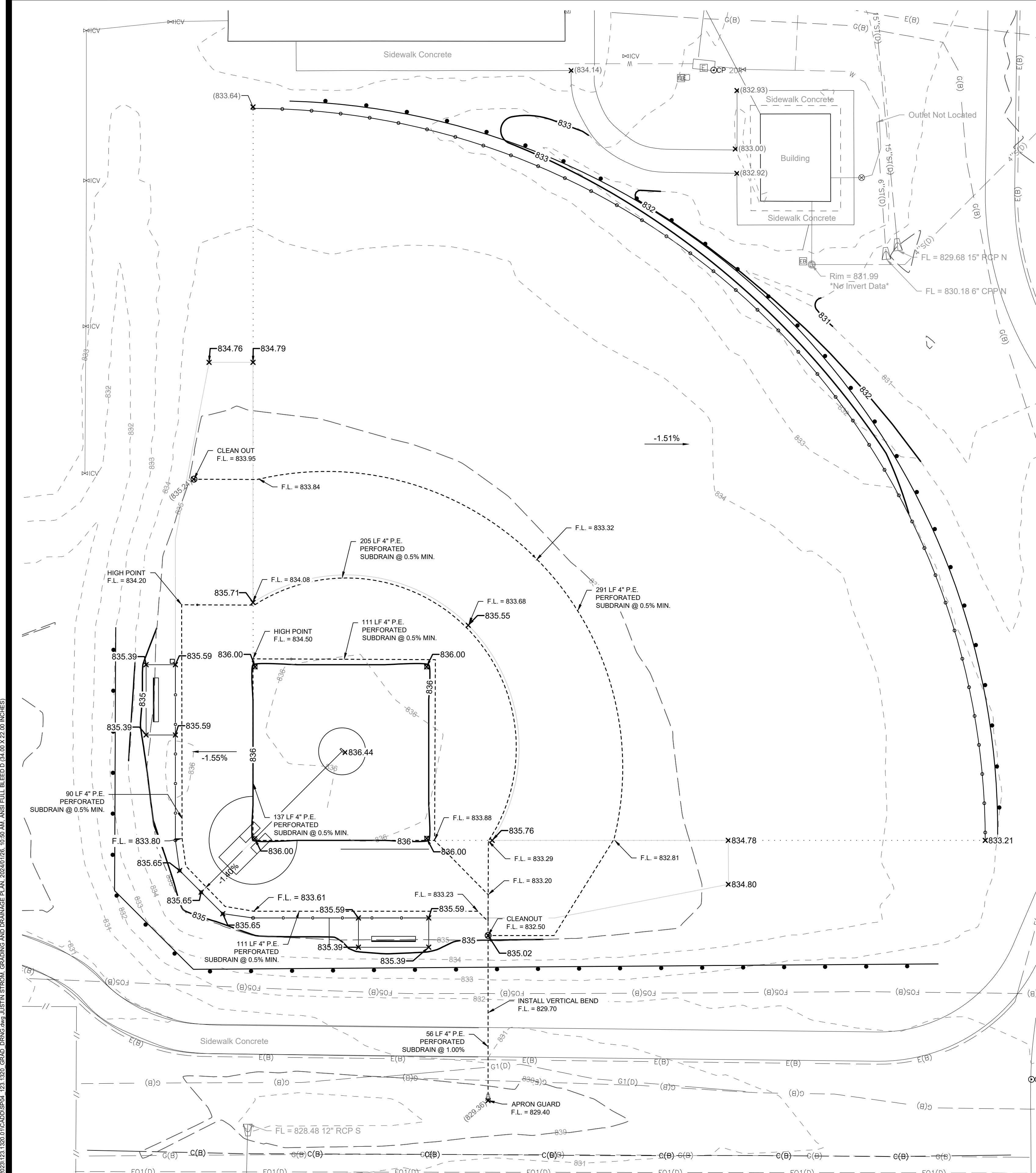
DIMENSION AND LAYOUT NOTES

- EXISTING FEATURES. PROTECT THE FOLLOWING FROM DAMAGE:
 - RECREATIONAL FACILITY.
 - RESTROOM BUILDING.
 - SIDEWALK.
 - SERVICE ROAD.
 - EXISTING UTILITIES.
- DEMOLITION FEATURES:
 - 5" PCC SIDEWALK. VERIFY IN COORDINATION W/ ELECTRIC WORK. REMOVE AND REPLACE WITH PCC TO MATCH EXISTING.
- PROPOSED FEATURES:
 - METAL ROOF DUGOUTS:
 - POLYGON 24'x10' METAL ROOF DUGOUTS
 - PRODUCT #: DUG-10x24
 - CONTACT: BOLAND RECREATION (iowaparkplace@mchsi.com)
 - SEE SITE DETAILS.
 - METAL BENCHES:
 - QTY: 2 15' METAL TEAM BENCHES (NO BACK REST, IN-GROUND MOUNT)
 - BEACON ATHLETICS OR A SIMILAR EQUAL PRODUCT.
 - PRODUCT #: 115-380-205
 - SEE SITE DETAILS.
 - CHAINLINK (GALV.) BACKSTOP:
 - CHAINLINK BACKSTOP - 20FT MODEL W/ OVER HANG, NO WING OPTION.
 - BSN SPORTS OR A SIMILAR EQUAL PRODUCT.
 - PRODUCT #: BSCL20H
 - PO BOX 7726
 - DALLAS, TX 75209
 - P: 1-800-856-3488
 - CONTRACTOR TO INSTALL RED BALL DIAMOND INFIELD MIX, @ 5IN DEPTH WITHIN LIMIT OF INFIELD.
 - 5" PCC CONCRETE PAD.
 - 4" SUBDRAIN SYSTEM. (ALTERNATE BID 1)
 - 8' CHAIN LINK FENCE. SEE DETAIL ON C400.
 - SUBDRAIN CLEANOUT. (ALTERNATE BID 1)
- FIELD AMENITIES: CONTRACTOR TO FURNISH AND INSTALL THE FOLLOWING:
 - BASES, PITCHING RUBBER, AND HOME PLATE ON FIELD. BEACON PRO-STYLE BASE SET WITH ANCHOR OR AN APPROVED EQUAL.
 - BEACON ATHLETICS
 - 901 DEMING WAY STE 101
 - MADISON, WI 53717
 - P: 800-747-5985

BASES	ITEM # 301-905-215
HOME PLATE	ITEM # 301-905-105
PITCHER'S RUBBER	ITEM# 335-905-145
 - LANDSCAPE FEATURES:
 - OVER STORY TREES (BY OTHERS)
 - RESTORE ALL DISTURBED AREAS WITH SUDAS TYPE 1 SEED AND HYDRO MULCH.
 - ELECTRICAL IMPROVEMENTS. PROVIDE THE FOLLOWING:
 - UTILIZE EXISTING ELECTRICAL HAND HOLE BOX AND INSTALL 2" CONDUIT AND WIRING IN EXISTING BUILDING TO ELECTRICAL PANEL ALONG EAST WALL.
 - INSTALL 2" CONDUIT & WIRING TO PROPOSED OUTLET AT NEW DUGOUT.
 - INSTALL QEXTERIOR RATED QUAD OUTLET RECEPTACLE POST MOUNTED TO DUGOUT COLUMN, 48" ABOVE GRADE. COORDINATE EXACT LOCATION AND HEIGHT WITH OWNER PRIOR TO CONSTRUCTION. COORDINATE WITH DUGOUT CONSTRUCTION.
 - EXISTING INTERIOR ELECTRIC PANEL LOCATION SHOWN FOR REFERENCE.
 - EXISTING RECENTLY COMPLETED ELECTRICAL ROUTING FOR LIGHTED BOLLARDS AROUND EXISTING TRACK. INSTALL IN SAME FASHION AS EXISTING CIRCUIT.

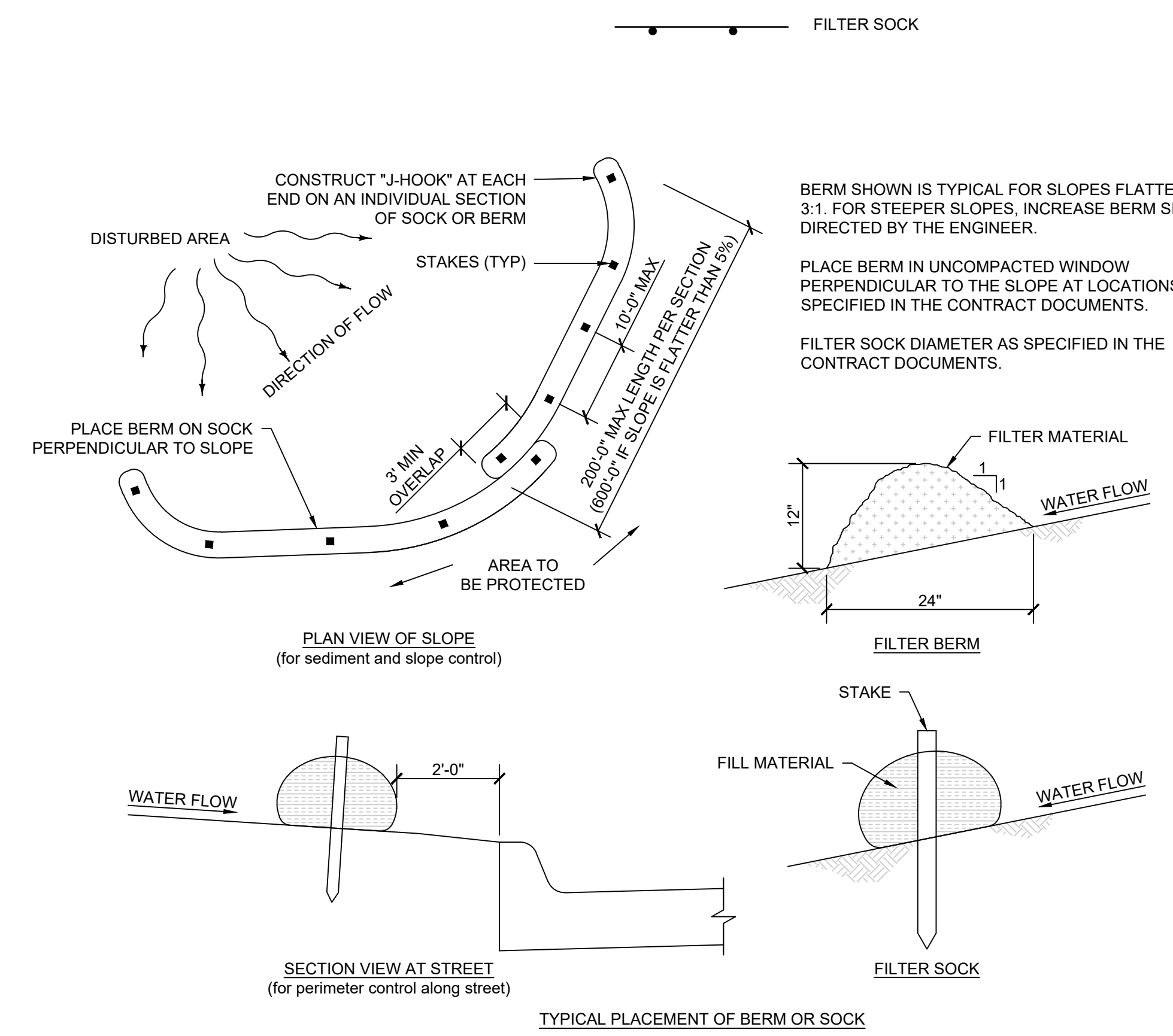
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				2727 S.W. SNYDER BLVD ANKENY, IOWA 50023 515-964-2020 www.snyder-associates.com				

PRELIMINARY SITE PLAN: 95% SUBMITTAL

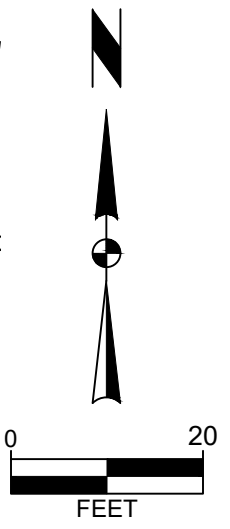


GRADING AND DRAINAGE NOTES

- A. **UTILITY WARNING:**
THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.
- B. **NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION.** CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTOR'S CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.
- C. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISHED GRADES AND/OR TOP OF PAVING SLAB (GUTTER), UNLESS OTHERWISE NOTED.
- D. CONTRACTOR TO STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE CUT OR FILLED. RESPREAD TO MINIMUM 8" DEPTH TO FINISH GRADES.
- E. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING DIRT AND DEBRIS FROM STREETS, DRIVEWAYS, AND SIDEWALKS CAUSED BY CONSTRUCTION ACTIVITIES.



X FILTER SOCK DETAIL
C300 NO SCALE



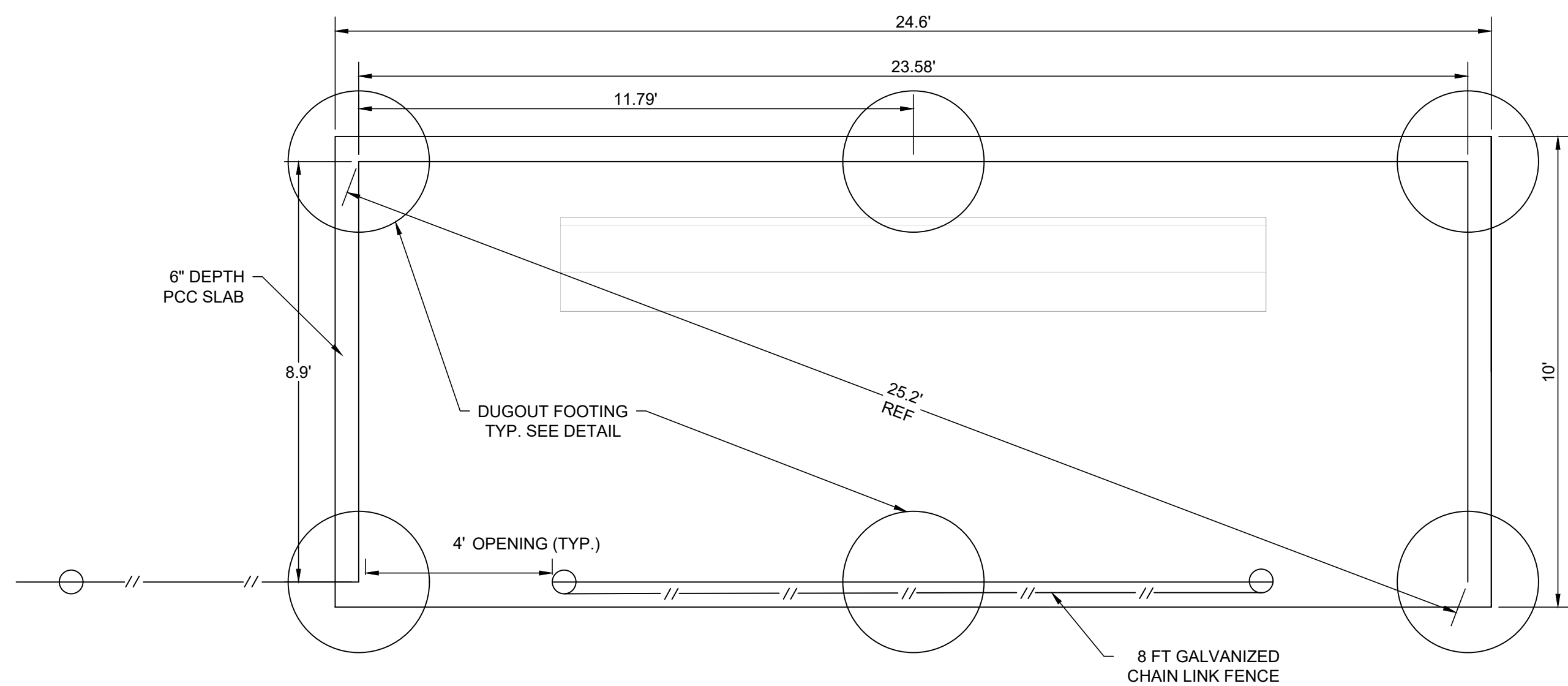
PRELIMINARY SITE PLAN: 95% SUBMITTAL

MARK	REVISION	DATE	BY
Engineer: EDC	Checked By: CHKD	Scale: 1" = 40'	
Technician: TKV	Date: 1/26/2024	T-R-S: TTN-RRW-SS	

JOHNSTON, IOWA
2727 S.W. SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | www.snyder-associates.com

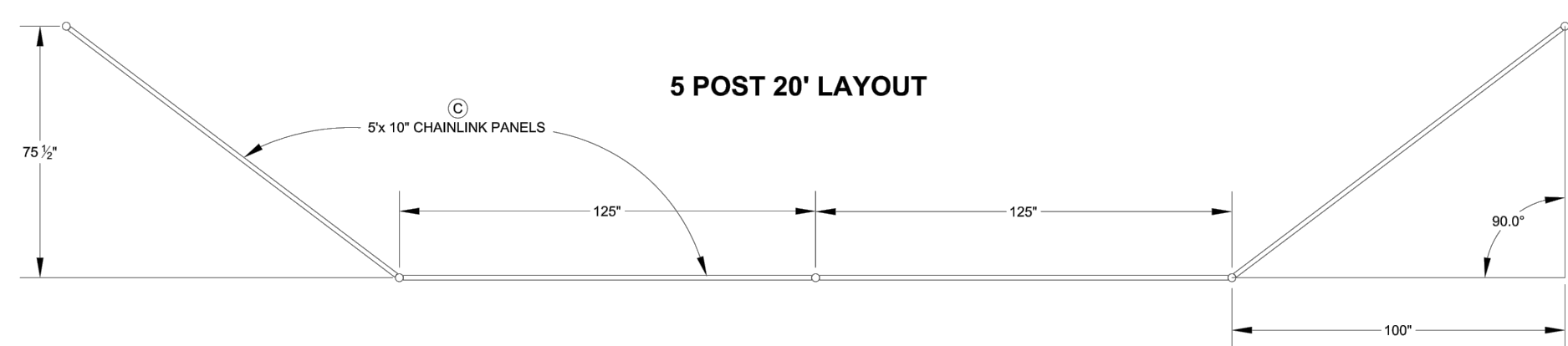
CAMP DODGE PT-12 SOFTBALL FIELD
GRADING AND DRAINAGE PLAN
SNYDER & ASSOCIATES, INC.



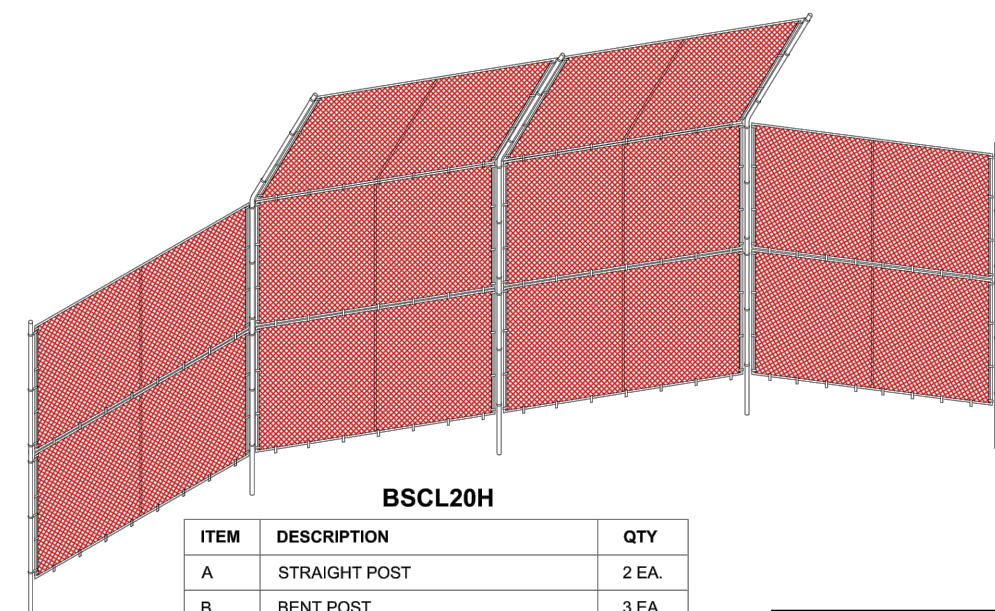


1 1ST/ 3RD BASE DUGOUT DETAIL
C501 NO SCALE

CHAIN LINK BACKSTOP



CHAIN LINK BACKSTOP - 20 FT MODELS

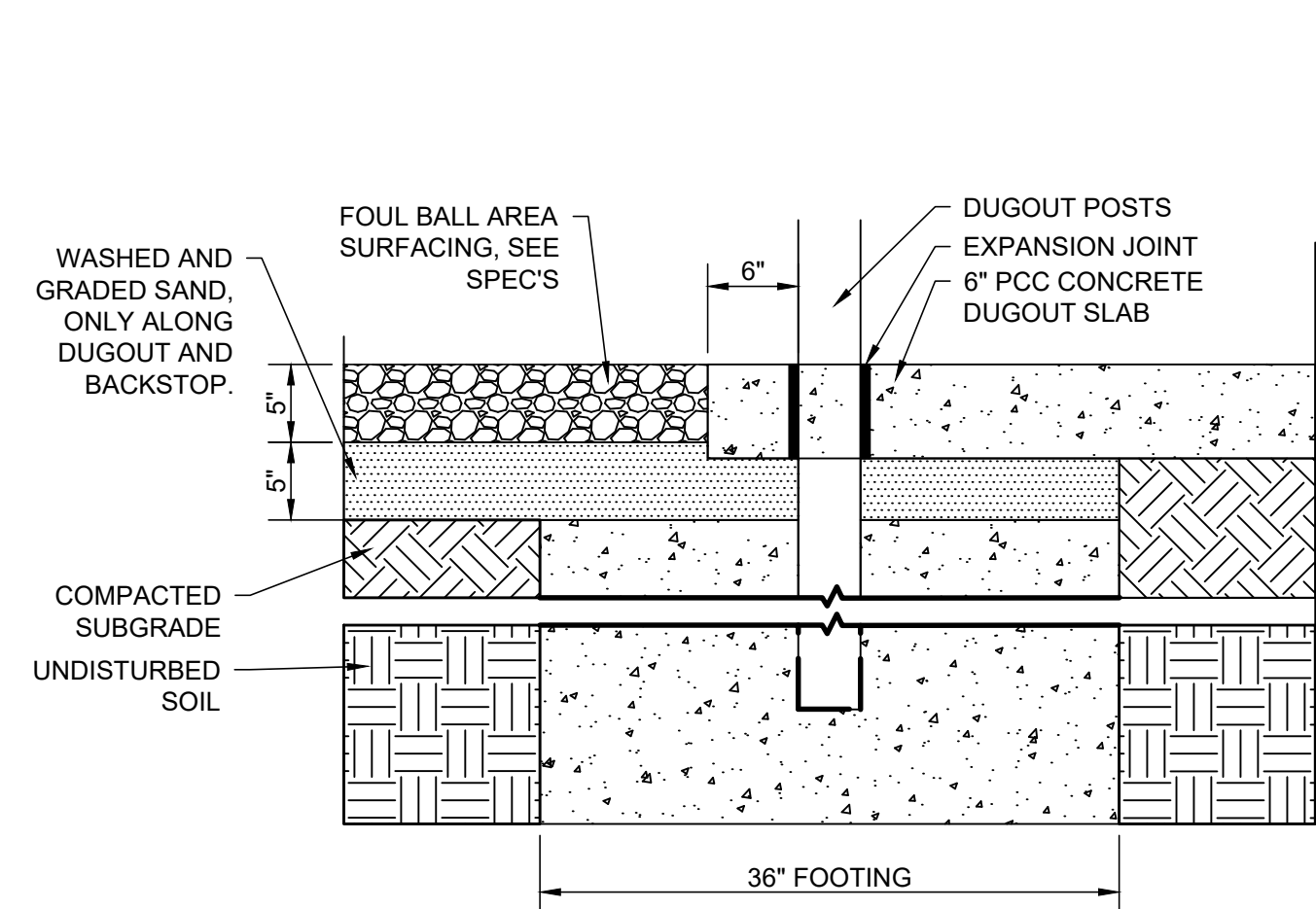


ITEM	DESCRIPTION	QTY
A	STRAIGHT POST	2 EA.
B	BENT POST	3 EA.
C	5 FT x 10 FT CHAIN LINK PANEL	10 EA.
F	2 3/8\"/>	

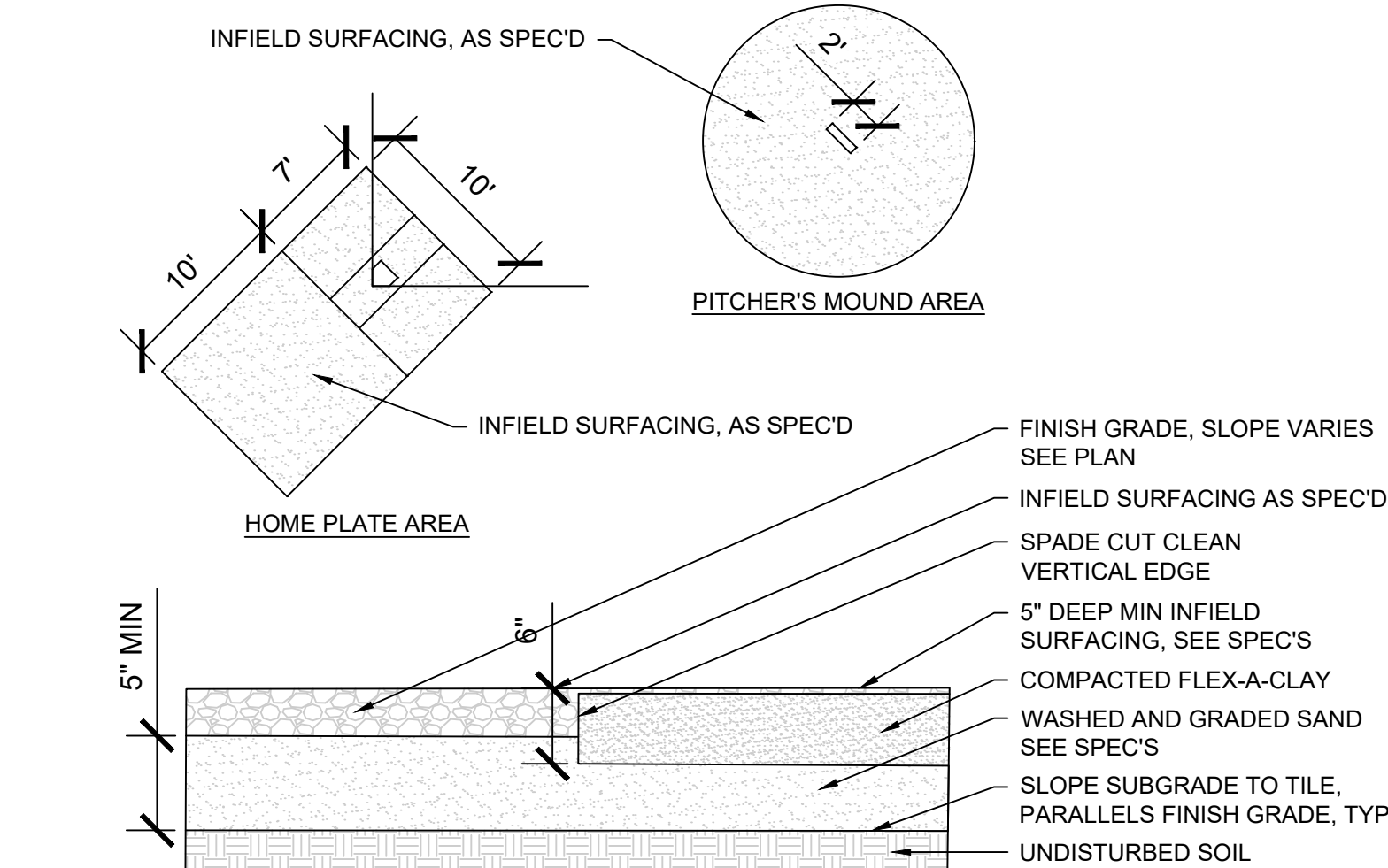
BSN SPORTS
PO BOX 7726
DALLAS TX 75209
TEL: 1-800-856-3488
WWW.BSNSPORTS.COM
PRODUCT # BSCL20H

- STEP 1) Find position on field where Backstop is to be placed.
- STEP 2) Lay out a Chalk Line to locate your main support posts as shown in *diagram A*.
- STEP 3) Now dig post holes approximately 10\"/>

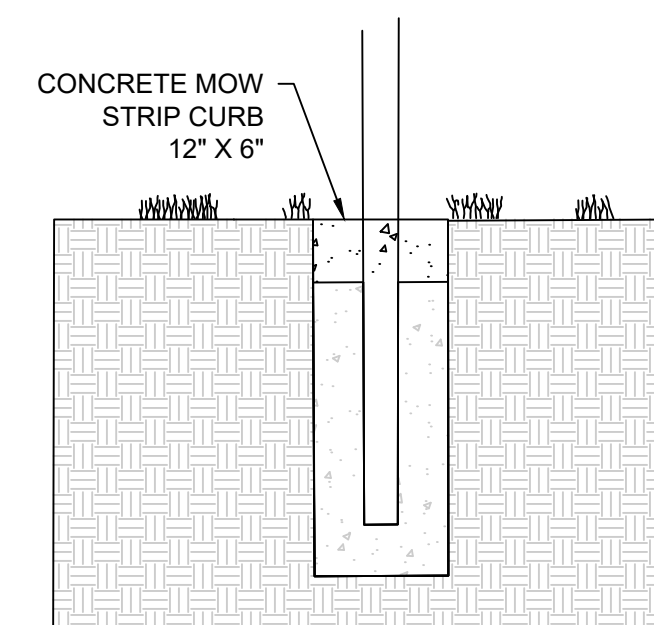
2 BACK STOP DETAIL
C501 NO SCALE



3 FOUL BALL AREA & DUGOUT CONCRETE SLAB
C501 NO SCALE



4 SKINNED INFIELD AT MOUND AND BATTING BOX (SOFTBALL)
C501 NO SCALE



5 12\"/>

PRELIMINARY SITE PLAN: 95% SUBMITTAL

MARK	REVISION	DATE	BY
Engineer: EDC	Checked By: CHKD	Scale: 1\"/>	

CAMP DODGE PT-12 SOFTBALL FIELD

SITE DETAILS

JOHNSTON, IOWA

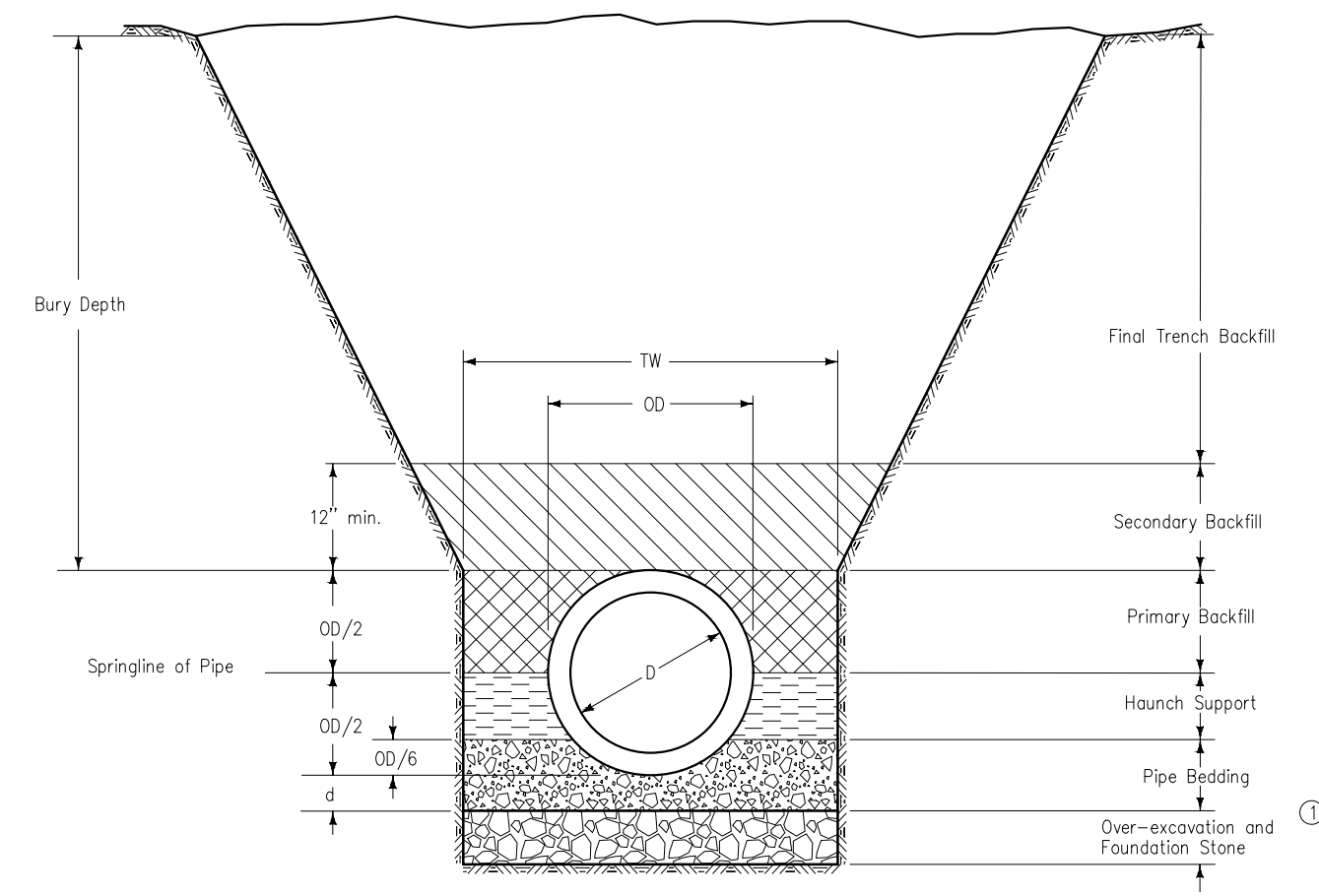
SNYDER & ASSOCIATES, INC.

2727 S.W. SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | www.snyder-associates.com

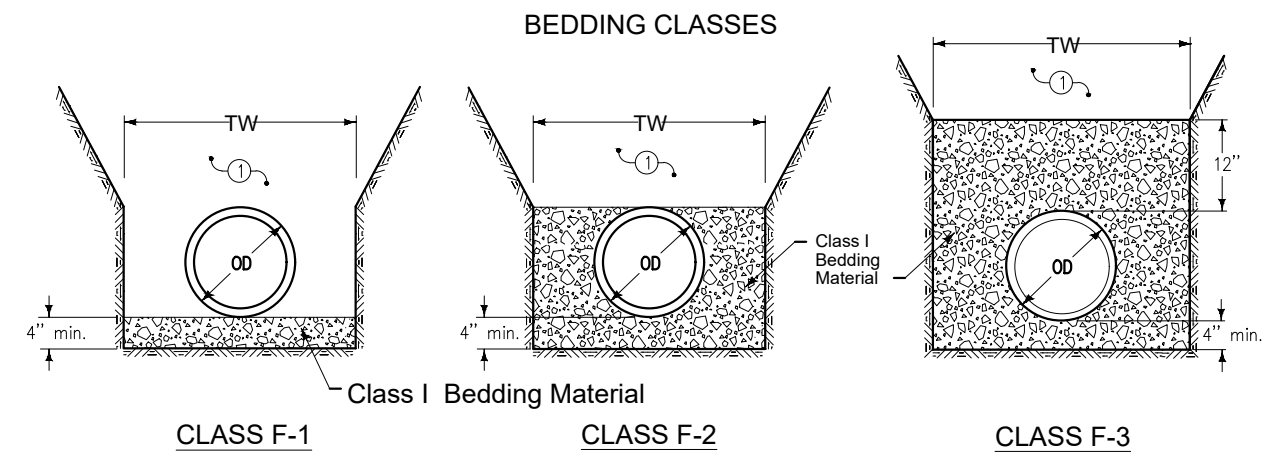


Refer to the contract documents for specific material and placement requirements.
 ① Required only when specified in the contract documents or when directed by the Engineer.

Key
 OD = Outside diameter of pipe
 D = Inside diameter of pipe
 TW = Trench width at top of pipe
 d = Depth of bedding material below pipe



1 TRENCH BEDDING AND BACKFILL ZONES
 C401 NO SCALE



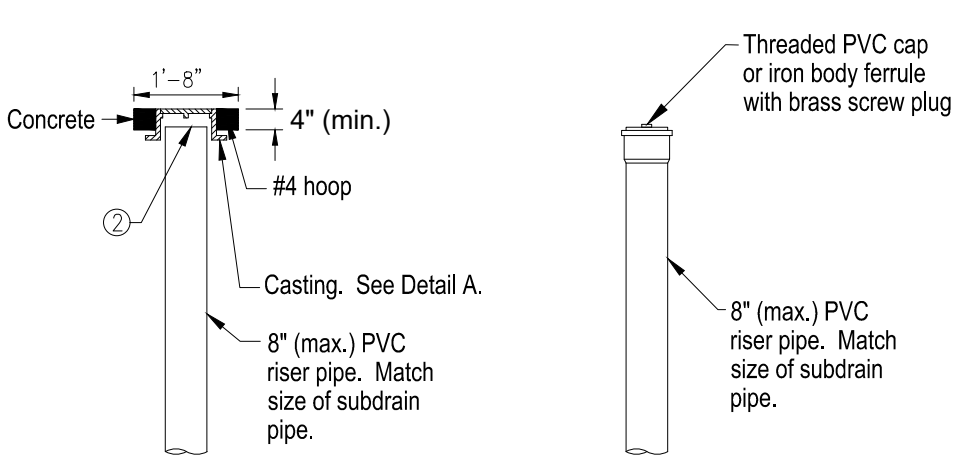
③ Place remainder of bedding and backfill materials as specified in the contract documents.
ALLOWABLE BEDDING CLASSES

Pipe Material	Storm Sewer	Sanitary Sewer
Ductile Iron	F-1, F-2, F-3	F-1, F-2, F-3
HDPE	F-2, F-3	Not allowed
PVC	F-2, F-3	F-3

Key
 OD = Outside diameter of pipe
 TW = Trench width at top of pipe
 Min = OD + 18 inches OR 1.25xOD + 12 inches (whichever is greater)

ALLOWABLE BURY DEPTH

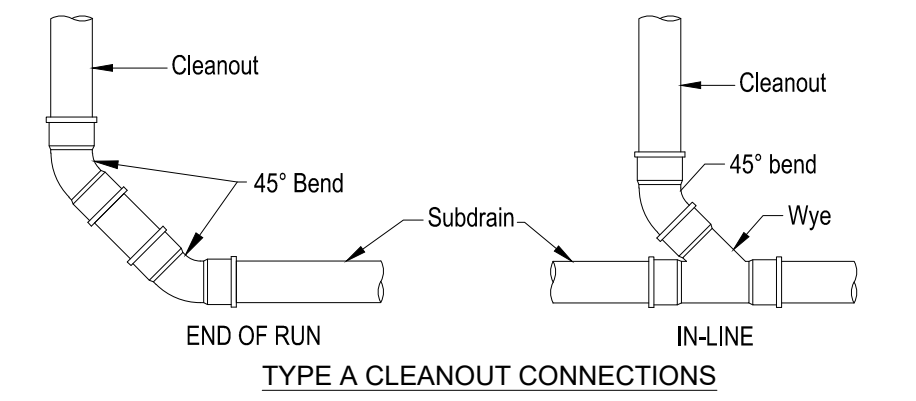
Pipe Diameter (Inches)	PVC PIPE (Bedding Class F-2 or F-3)				DUCTILE IRON, AWWA C151, CLASS 52 (Bedding Class F-1, F-2, or F-3)				HDPE PIPE (Bedding Class F-2 or F-3)	
	ASTM D 3034 Solid Wall	ASTM F 673 Solid Wall	ASTM F 949 Corrug. Exterior	ASTM F 1803 Closed Profile (Truss Type)	ASTM D 2680 Composite	Class F-1 Bedding	Class F-2 Bedding	Class F-3 Bedding	Pipe Diameter (Inches)	AASHTO M 294
8	30"	28"	24"	24"	32"	40"	40"	40"	12	8"
10	30"	28"	24"	24"	32"	40"	40"	40"	15	9"
12	30"	28"	24"	24"	32"	40"	40"	40"	18	9"
15	30"	28"	24"	24"	32"	40"	40"	40"	24	9"
18	---	---	---	24"	32"	40"	40"	40"	30	9"
21	---	---	---	24"	32"	40"	40"	40"	36	9"
24	---	---	---	24"	32"	40"	40"	40"	42	8"
27	---	---	---	24"	32"	40"	40"	40"	48	8"
30	---	---	---	24"	32"	40"	40"	40"	54	8"
33	---	---	---	24"	32"	40"	40"	40"	60	8"
36	---	---	---	24"	32"	40"	40"	40"		
42	---	---	---	24"	32"	40"	40"	40"		
48	---	---	---	24"	32"	40"	40"	40"		
54	---	---	---	24"	32"	40"	40"	40"		
60	---	---	---	24"	32"	40"	40"	40"		



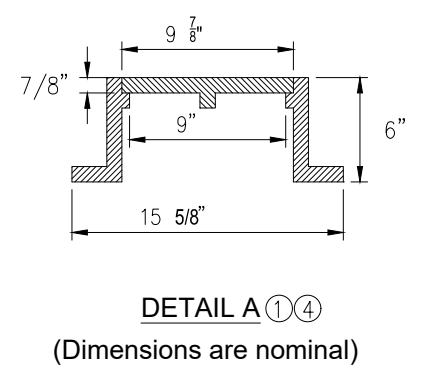
TYPE A-1 CLEANOUT

TYPE A-2 CLEANOUT (Non-traffic areas only)

- Heavy duty casting. Mark lid with "Storm" or "Storm C.O."
- Do not allow casting to bear on top of riser pipe; provide 2 inch clearance, minimum.
- 24 inch diameter RCP for subdrain 8 inches or smaller; 30 inch diameter RCP for 10 to 12 inch subdrain. A manufactured cleanout may be used in lieu of a Type B cleanout, if approved by the Engineer.
- Design is intended for use in conjunction with 8 inch PVC riser pipe. Other sized caps may be used with smaller pipe, as approved by the Engineer.



3 SUBDRAIN CLEANOUTS
 C401 NO SCALE



2 FLEXIBLE GRAVITY PIPE TRENCH BEDDING
 C401 NO SCALE

CAMP DODGE PT-12 SOFTBALL FIELD

SITE DETAILS

JOHNSTON, IOWA

SNYDER & ASSOCIATES, INC.

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 ANKENY, IOWA 50023
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Project No: 123.1320.01
 Sheet C401

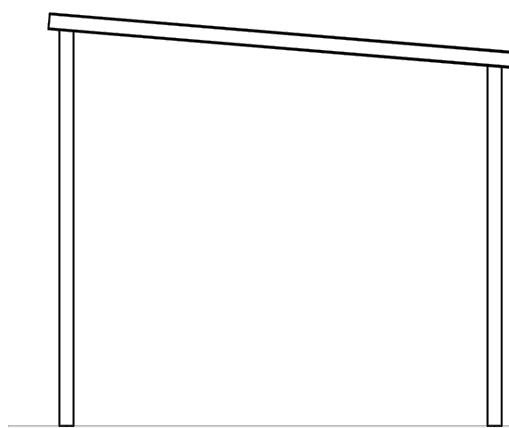
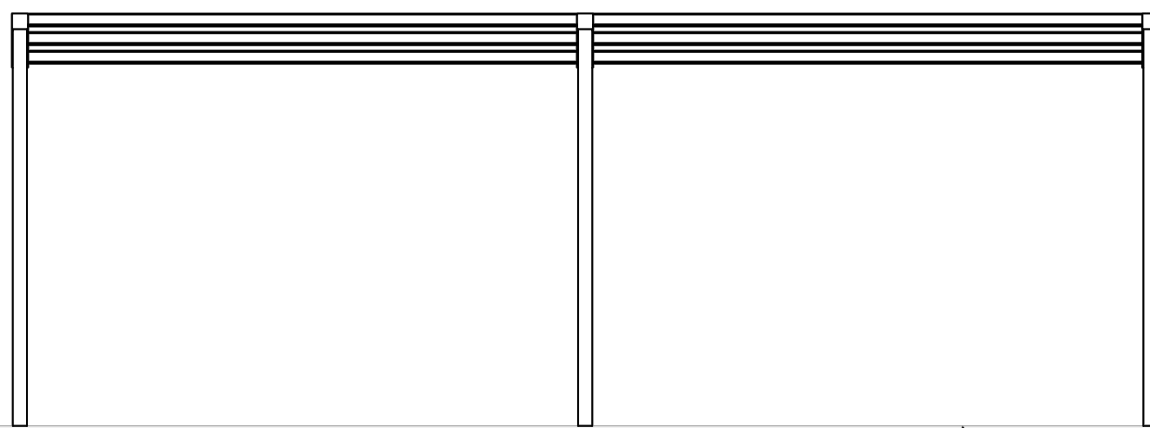
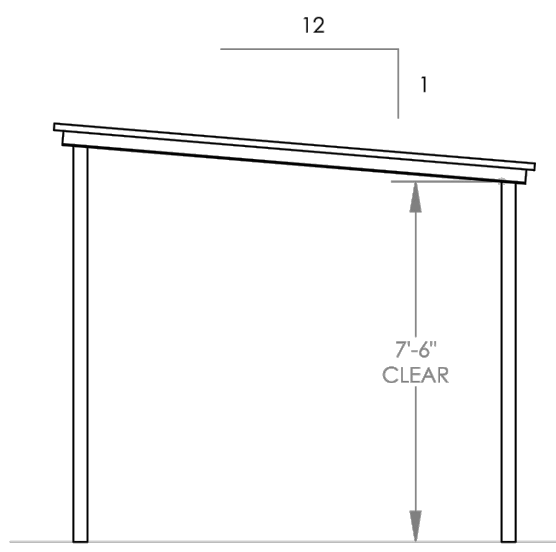
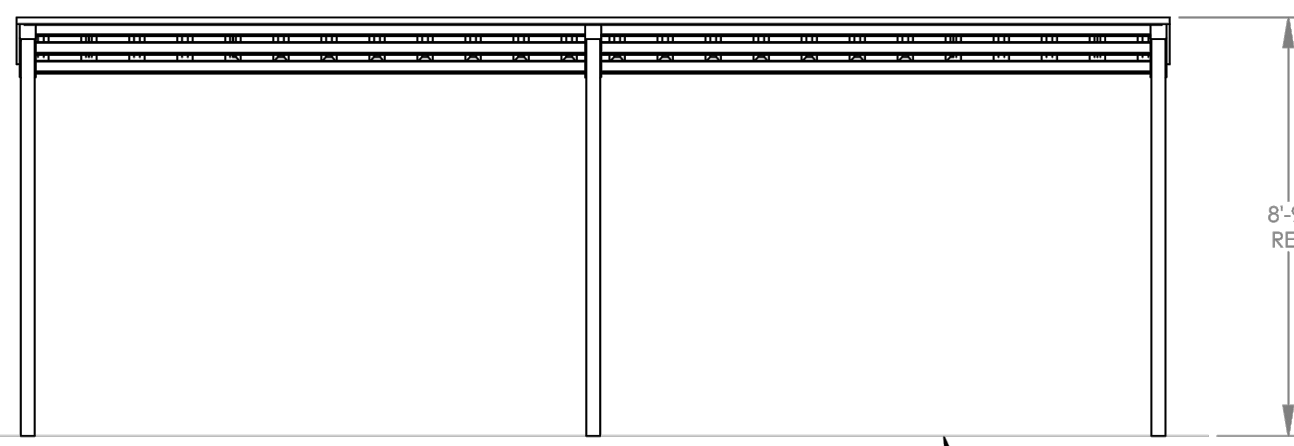
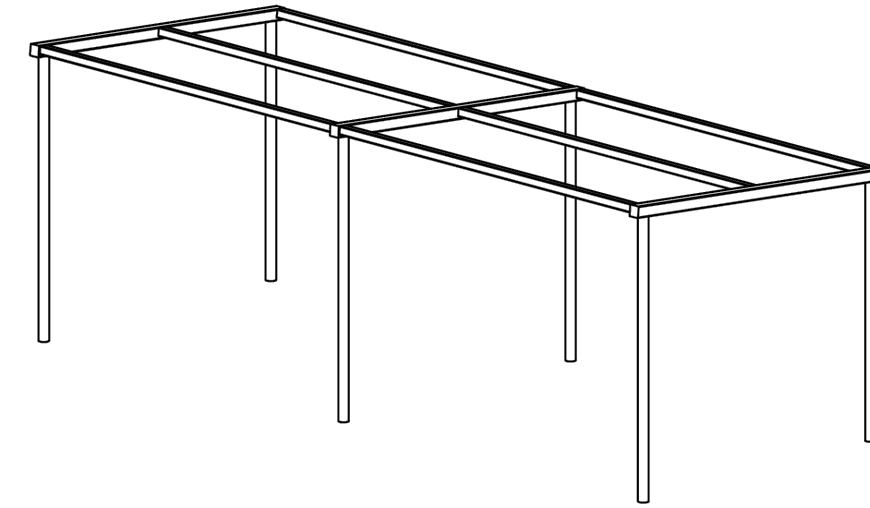
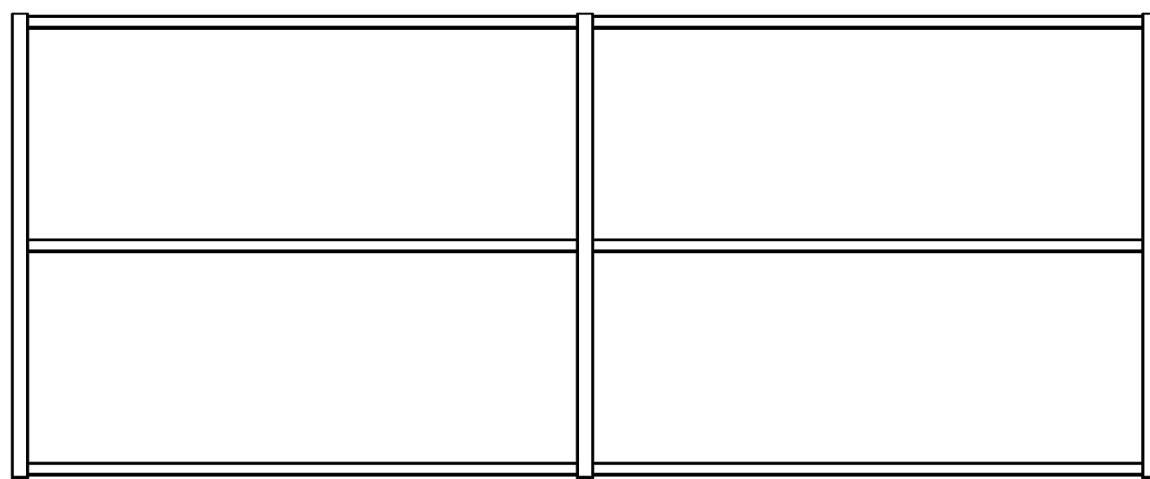
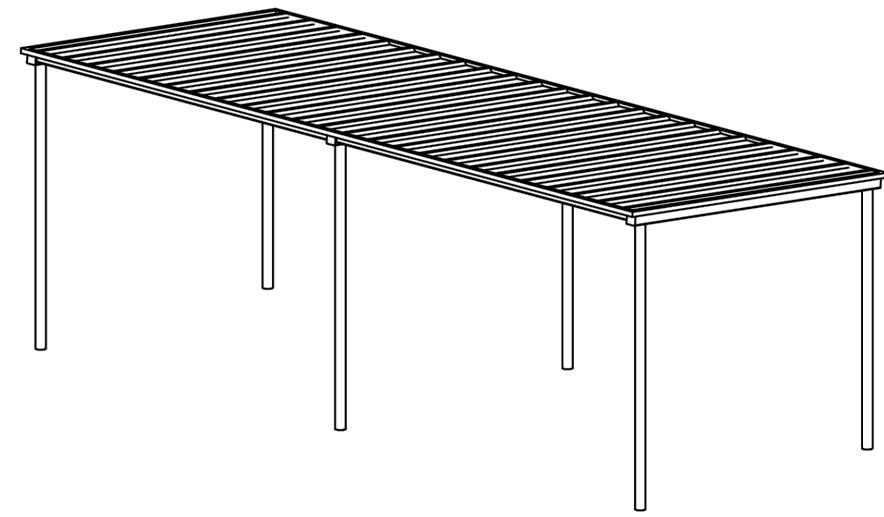
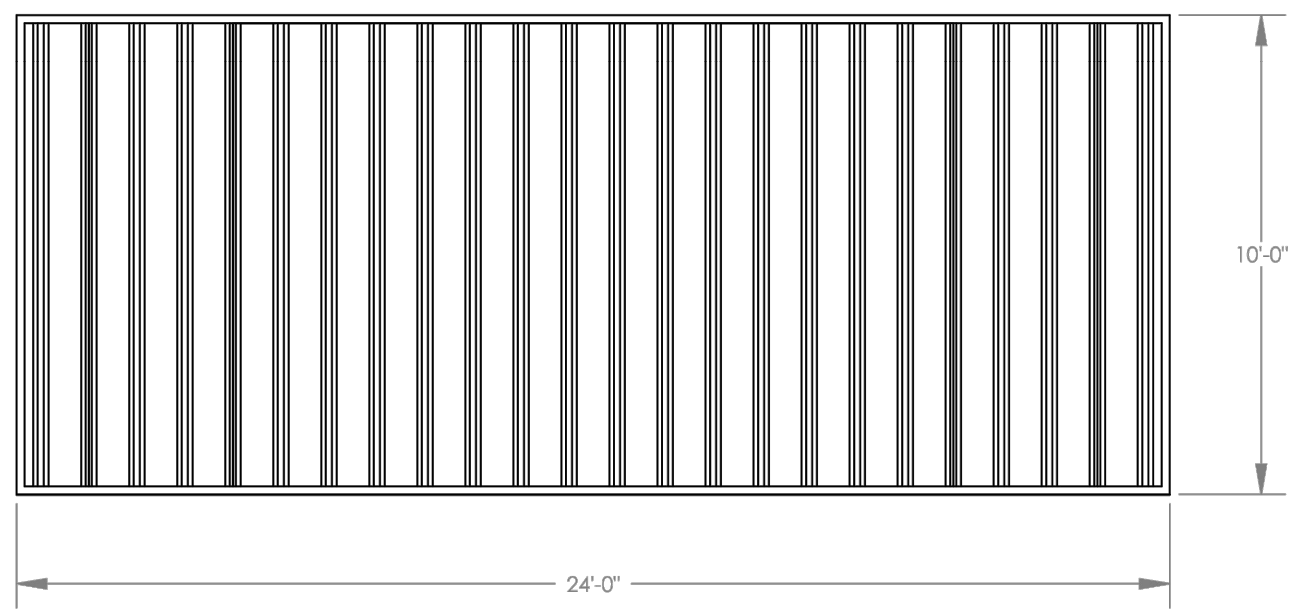
Sheet C401

Project No: 123.1320.01

MARK	REVISION	DATE	BY
Engineer: EDC	Checked By: CHKD	Scale: 1" = ##'	
Technician: TKV	Date: 1/26/2024	T-R-S: TTN-RRW-SS	

GENERAL ROOF NOTES:

- METAL ROOFING:
 - 24 GAUGE
 - GALVALUME COATED
 - KYNAR 500 PAINTED
- TRIM COLOR MATCHES ROOF
- SEE POLIGON.COM FOR COLOR OPTIONS



STOP!!
NOT FOR CONSTRUCTION
USE FOR PRELIMINARY PLANNING AND ESTIMATING ONLY

STOP!!
NOT FOR CONSTRUCTION
USE FOR PRELIMINARY PLANNING AND ESTIMATING ONLY

FINISH GRADE MOUNTING VARIES BASED ON ENGINEERING REQUIREMENTS.

FINISH GRADE MOUNTING VARIES BASED ON ENGINEERING REQUIREMENTS.

DRAWING: ARCHITECTURAL ELEVATIONS
SCALE: 1:48
REV LEVEL: A
poligon (616)399-1963 www.poligon.com
by PORTERCORP
SHEET 1

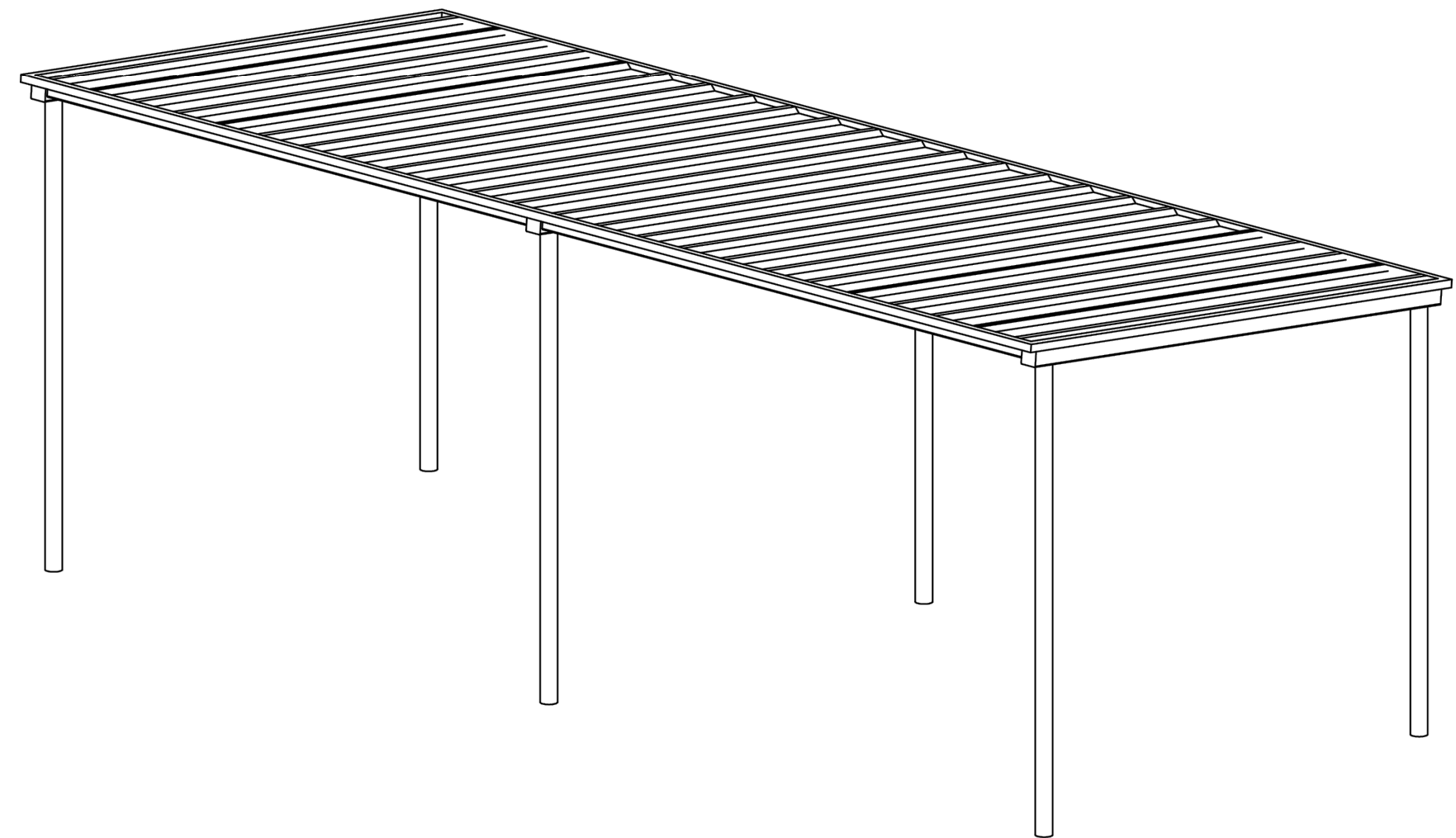
DRAWING: STRUCTURAL FRAMING PLAN
SCALE: 1:48
REV LEVEL: A
poligon (616)399-1963 www.poligon.com
by PORTERCORP



PROJECT: _____
LOCATION: _____
BUILDING TYPE: DUG-10X24
ROOF TYPE: MULTI-RIB

DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ARCHITECTURAL ELEVATIONS
2	STRUCTURAL FRAMING PLAN
3	COLUMN LAYOUT



NOTE: IMAGE FOR REFERENCE ONLY.

POLIGON TEAM DUGOUTS
METAL FRAME COLOR: BLACK POWER COAT
DUGOUT ROOF COLOR: RED

BOLAND RECREATION, INC.
2347 OAK PARK ROAD
MARSHALLTOWN, IA 50158
bolandreciowa@mediacombb.net
(800) 798-7589

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FABRICATOR APPROVALS:
CITY OF PHOENIX, AZ APPROVED FABRICATOR #C08-2010
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #1596
CITY OF RIVERSIDE, CA APPROVED FABRICATOR #SP06-0033
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
CLARK COUNTY, NV APPROVED FABRICATOR #264
STATE OF UTAH APPROVED FABRICATOR 02006-14

CERTIFICATES:
MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 16-1025.01
PCI (POWDER COATING INSTITUTE) 4000 CERTIFIED

MATERIALS:

DESCRIPTION	ASTM DESIGNATION
TUBE STEEL	A500 (GRADE B)
SCHEDULE PIPE	A53 (GRADE B)
RMT PIPE	A519
LIGHT GAGE COLD FORMED STRUCTURAL STEEL PLATE	A1003 (GRADE 50)
ROOF PANELS (STEEL)	A96 A853

GENERAL NOTES:
UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS. POLIGON MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED ASSUMING A 20' SEPARATION BETWEEN ANY ADJACENT STRUCTURE WITH AN EAVE HEIGHT EQUAL TO OR GREATER THAN THE EAVE HEIGHT OF THIS STRUCTURE. IF THAT SEPARATION DOES NOT EXIST POLIGON MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERRECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL.

ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERRECTED.

DRAWING: COVER SHEET
SCALE: 1:32
REV LEVEL: A
poligon (616)399-1963 www.poligon.com
by PORTERCORP
SHEET C

PRELIMINARY SITE PLAN: 95% SUBMITTAL

MARK	REVISION	CHKD	DATE	BY

Engineer: EDC
Technician: TKV
Date: 1/26/2024
Scale: 1" = 4'
T-R-S: TTN-RRW-SS
Project No.: 123.1320.01
Sheet C402

CAMP DODGE PT-12 SOFTBALL FIELD

SITE DETAILS

JOHNSTON, IOWA

SNYDER & ASSOCIATES, INC.

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Project No.: 123.1320.01
Sheet C402