

CITY OF ORANGE BEACH

ORANGE BEACH SPORTSPLEX IMPROVEMENTS PROSTYLE BACKSTOP NETTING & BLEACHER SHADES FOR FIELDS 9 THRU 12

AUGUST, 2017

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NOTE:

MANY ITEMS SHOWN HEREIN ARE INDICATED AS "N.I.C." DENOTING THAT THEY ARE NOT CONTRACT ITEMS TO BE PERFORMED BY THE GENERAL CONTRACTOR OR HIS SUB-CONTRACTORS. THESE ITEMS ARE TO BE COMPLETED BY CITY FORCES OR UNDER OTHER DIRECT CONTRACT WITH THE CITY.



CITY OF ORANGE BEACH

TONY KENNON
MAYOR

ANNETTE MITCHELL
PLACE 1

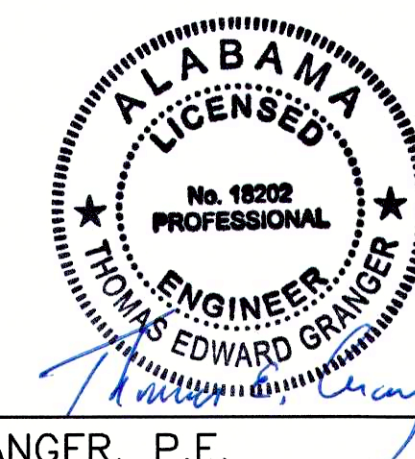
JEFF BOYD
PLACE 2

JERRY JOHNSON
PLACE 3

JEFF SILVERS
PLACE 4

JONI BLALOCK
PLACE 5

SUBMITTED BY:



THOMAS E. GRANGER, P.E.
ENGINEER OF RECORD

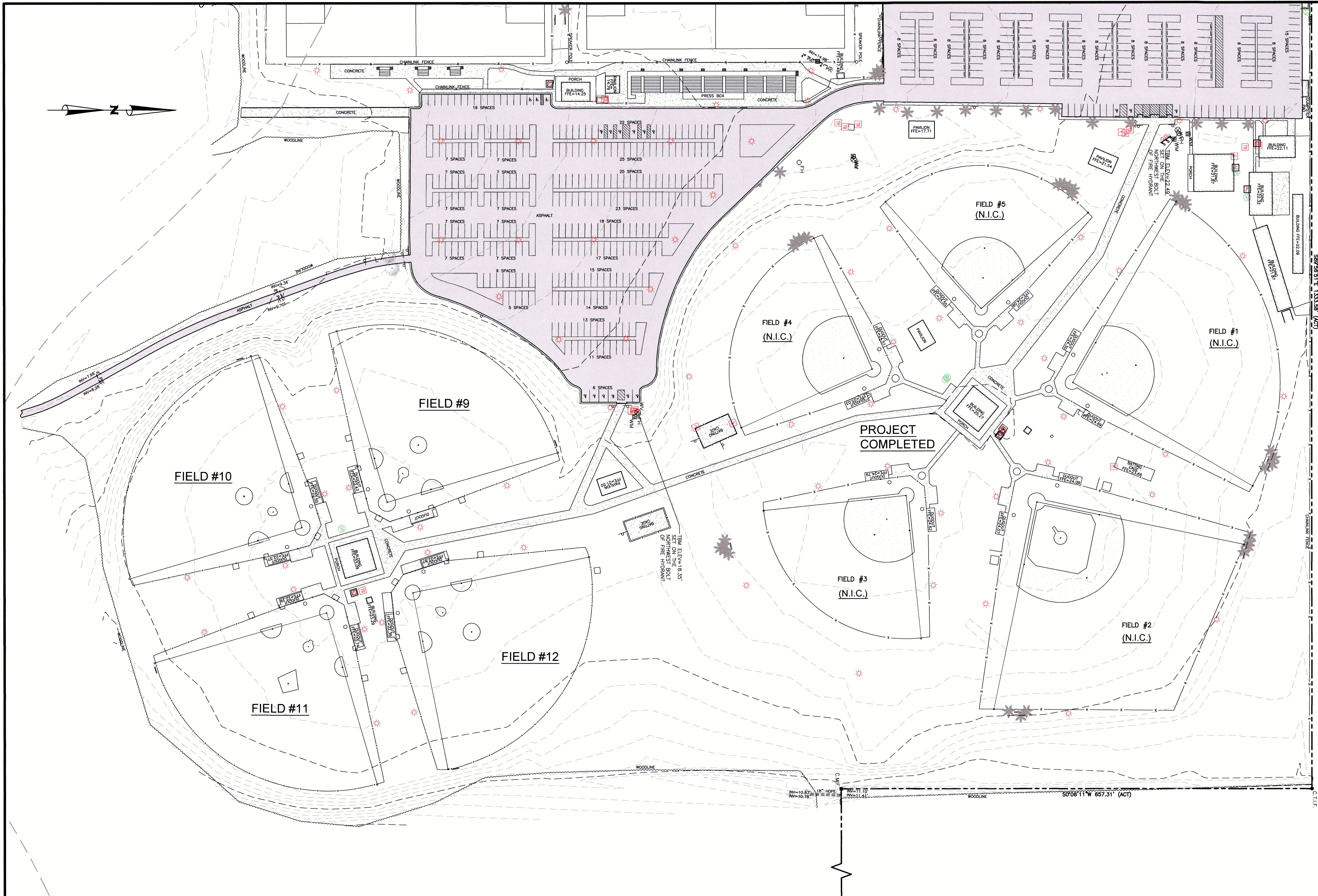
8/13/2018
DATE

PREPARED BY:

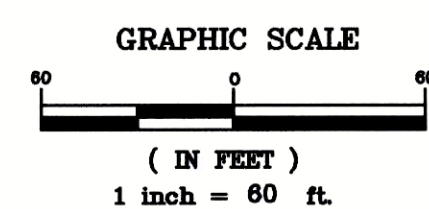


11143 Old Highway 31 Spanish Fort, AL 36527
818 N. McKenzie Street Foley, AL 36535

Phone: (251) 544-7900
Phone: (251) 970-7900



NUMBER:	REVISION:	DATE:



Sawgrass
CONSULTING, LLC

ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT

11143 Old Highway 31 Spanish Fort, AL 36527
818 N. McKenzie Street Foley, AL 36635

Phone: (251) 544-7900
Phone: (251) 970-7900

EXISTING OVERALL MASTER PLAN

SPORTSPLEX IMPROVEMENTS FIELDS 9-12

CITY OF ORANGE BEACH

SCALE:	1" = 60'
DATE:	JULY, 2018
DRAWN BY:	JLG
CHECKED BY:	TEG
SHEET:	2 OF 9

GENERAL PLAN NOTES

1. THE CONTRACTOR SHALL NOTIFY SAWGRASS LLC. CONSTRUCTION SURVEILLANCE REPRESENTATIVE AND LOCAL JURISDICTIONAL INSPECTOR 48 HOURS BEFORE THE BEGINNING OF EACH PHASE OF CONSTRUCTION.
2. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES, AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER/DEVELOPER.
3. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERRORS HE DISCOVERS IN THE PLAN.
4. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER OR HIS REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
5. THE CONTRACTOR IS REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS ARE NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS, HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. CONTRACTOR TO CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE.
7. THE CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBING CURBING, PAVING AND COMPACTED SUB-GRADE.
8. UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IT IS THE EXPLICIT RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT THE PROJECT SCHEDULE INCLUDES THE NECESSARY RELOCATION. THE CONTRACTOR SHOULD SEEK ASSISTANCE FROM ALL UTILITY COMPANIES TO LOCATE AND PROTECT THEIR FACILITIES.
9. ALL EXCESS MATERIAL FROM EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR. COST FOR THIS WORK SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
10. THE CITY OF ORANGE BEACH WILL, THROUGH FORCE ACCOUNT OR THROUGH SUB-CONTRACTING, CONSTRUCT THE DUGOUTS, BACKSTOP WALLS AND OUTFIELD FENCING. THE CITY WILL CUT AND REMOVE ANY EXISTING CONCRETE SLABS OR SIDEWALKS NECESSARY FOR POLE / FOUNDATION PLACEMENT.
11. THE CITY OF ORANGE BEACH WILL APPLY FOR STATE TAX EXEMPTION FOR THIS PROJECT. THE EXEMPTION AUTHORIZATION WILL BE PROVIDED TO THE AWARDED BIDDER AT CONTRACT EXECUTION.

GRADING AND DRAINAGE NOTES

1. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
2. ALL SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE.
3. COMPACTION OF THE BACKFILL OF ALL TRENCHES & SUBGRADES SHALL BE COMPACTED TO THE DENSITY OF 95% OF THEORETICAL MAXIMUM DRY DENSITY (ATM D698). BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED AT OR NEAR OPTIMUM MOISTURE. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL FILL MATERIAL TO BE UTILIZED ON THE PROJECT SHALL BE FREE OF ORGANIC OR OTHERWISE DELETERIOUS MATERIALS AND COMPACTED TO MINIMUM DRY DENSITIES CORRESPONDING TO 95% OF MAXIMUM DRY DENSITY AS OBTAINED BY STANDARD PROCTOR, ASTM D698 AND AT LEAST 98% OF STANDARD PROCTOR WITHIN 1 FOOT BELOW PAVEMENT SUBGRADE. FILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 6 INCHES IN COMPACTED FILL THICKNESS. A REPORT FROM A GEOTECHNICAL ENGINEER WILL BE REQUIRED BY THE LOCAL JURISDICTIONAL INSPECTOR.
5. THE CONTRACTOR WILL INSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
6. EXCESS EARTH CUT MATERIAL, IF ANY, SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE APPROVED TO BE PLACED ON SITE BY THE OWNER.
7. THE CONTRACTOR SHALL PROVIDE ANY EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE TESTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
8. SOILS TESTING AND ON-SITE INSPECTION SHALL BE PERFORMED BY AN ~~INDEPENDENT GEOTECHNICAL ENGINEER~~. THE SOILS ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER AND THE OWNER'S REPRESENTATIVE AND SHALL PROMPTLY NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.
9. CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL FROM CONSTRUCTION AREA AS DIRECTED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED.

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL AREAS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION IN ACCORDANCE WITH EASEMENT PLATS PRIOR TO ACCEPTANCE.
2. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
3. ALL DISTURBED AREAS TO BE GRASSED AS SOON AS POSSIBLE.

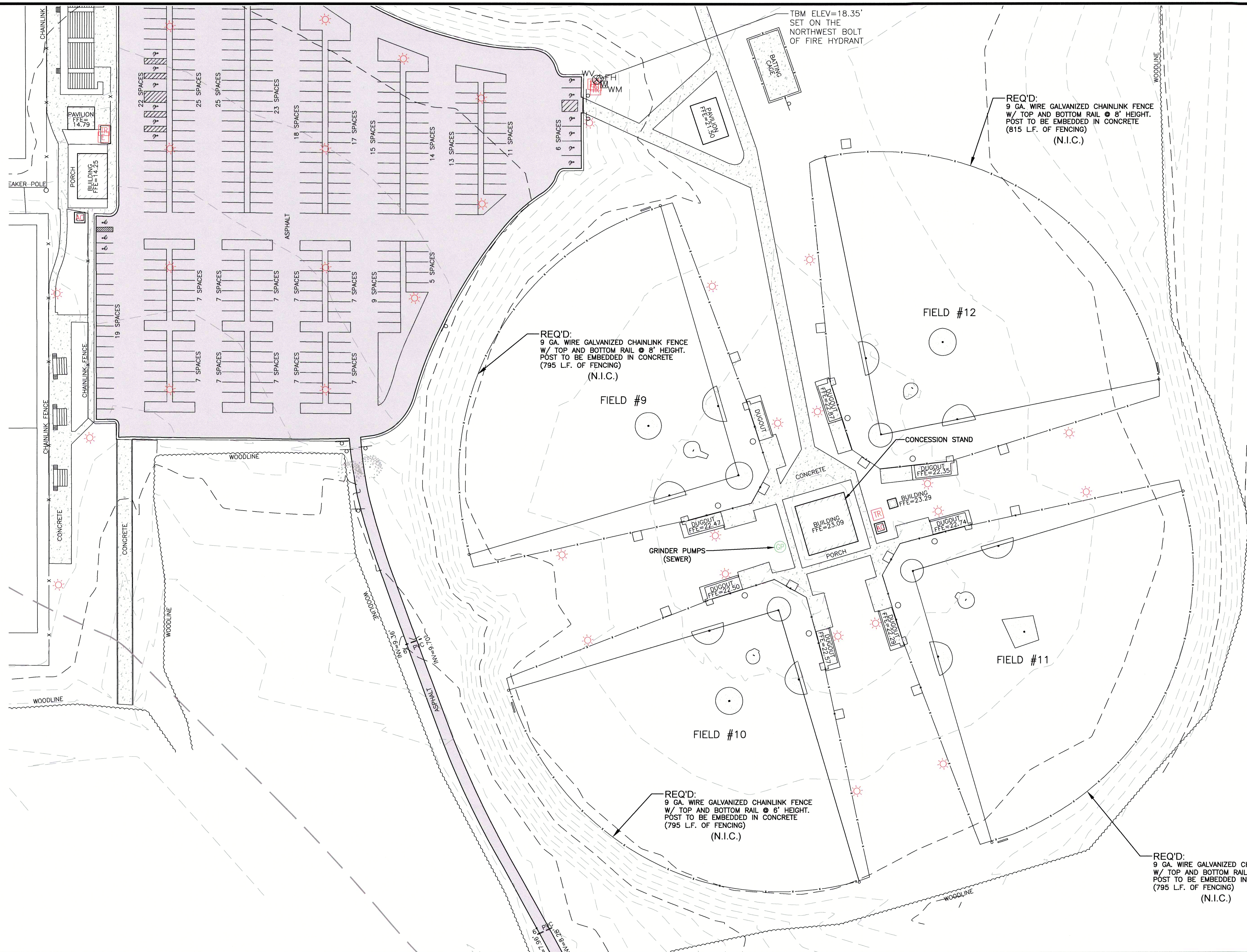
SITE NOTES

1. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER OR TENANT.
2. THE CONTRACTOR IS RESPONSIBLE FOR SECURING A LAY DOWN YARD.

ONSITE CONTACT:

SAWGRASS CONSULTING, LLC
TOM GRANGER, P.E.
(251) 295-6921

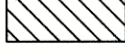
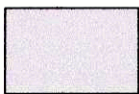
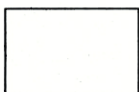

















NUMBER:	REVISION:	DATE:		<div><p>Sawgrass CONSULTING, LLC</p><p>ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT</p><p>11143 Old Highway 31 Spanish Fort, AL 36527 Phone: (251) 544-7900 818 N. McKenzie Street Foley, AL 36535 Phone: (251) 970-7900</p></div>		PROJECT NOTES			SCALE: NO SCALE
						DATE: JULY, 2017			
						SPORTSPLEX IMPROVEMENTS FIELDS 9-12	DRAWN BY: JLG		
						CITY OF ORANGE BEACH	CHECKED BY: TEG		
							SHEET: 3 OF 9		



NOTES:


1. ALL DEMOLITION REQUIRED WILL BE PERFORMED BY THE CITY OF ORANGE BEACH PRIOR TO CONSTRUCTION.
2. EACH FIELD WILL INCLUDE (2) PERSONNEL GATES AND (2) DOUBLE GATES W/ LOCATIONS SELECTED BY OWNER.

LEGEND

- | | |
|---|-----------------------------------|
|  | TO BE REMOVED |
|  | EXISTING ASPHALT SURFACE |
|  | EXISTING DIRT SURFACE |
|  | EXISTING CONCRETE SURFACE |
| — 10 — | EXISTING 5' GROUND LINE ELEVATION |
| — 9 — | EXISTING 1' GROUND LINE ELEVATION |
| —X—X— | CHAINLINK FENCE |
|  | POWER POLE |
|  | ELECTRIC METER |
|  | TRANSFORMER |
|  | LIGHT POLE |
|  | GUY WIRE |
|  | AIR CONDITIONER |
|  | SANITARY SEWER VALVE |
|  | SANITARY SEWER CLEAN OUT |
|  | SANITARY SEWER MANHOLE |
|  | GRINDER PUMP |
|  | TELEPHONE PEDESTAL |
|  | TELEPHONE MANHOLE |
|  | CATV PEDESTAL |
|  | FIRE HYDRANT |
|  | WATER METER |
|  | WATER VALVE |
| | GAS VALVE |

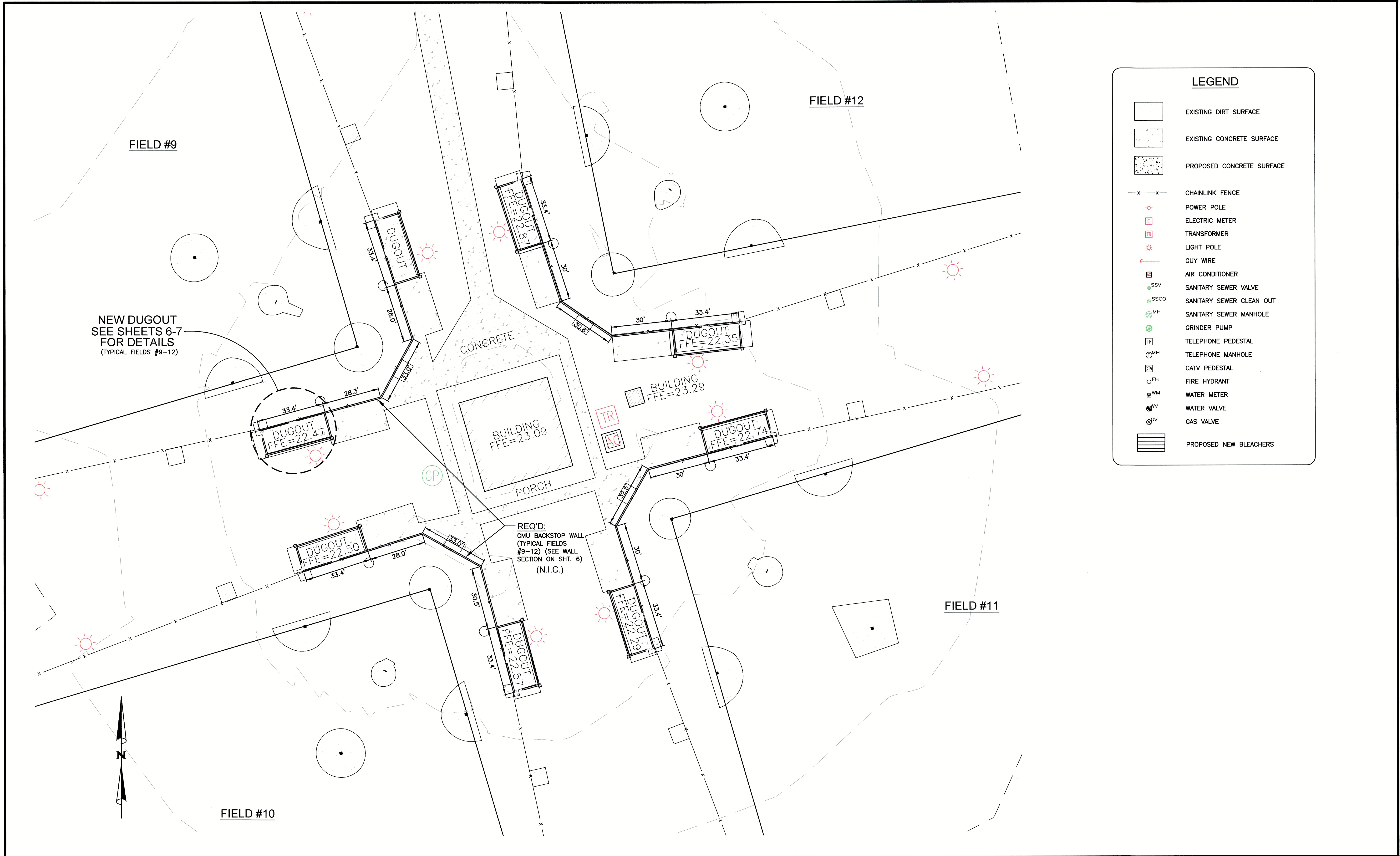


GRAPHIC SCALE

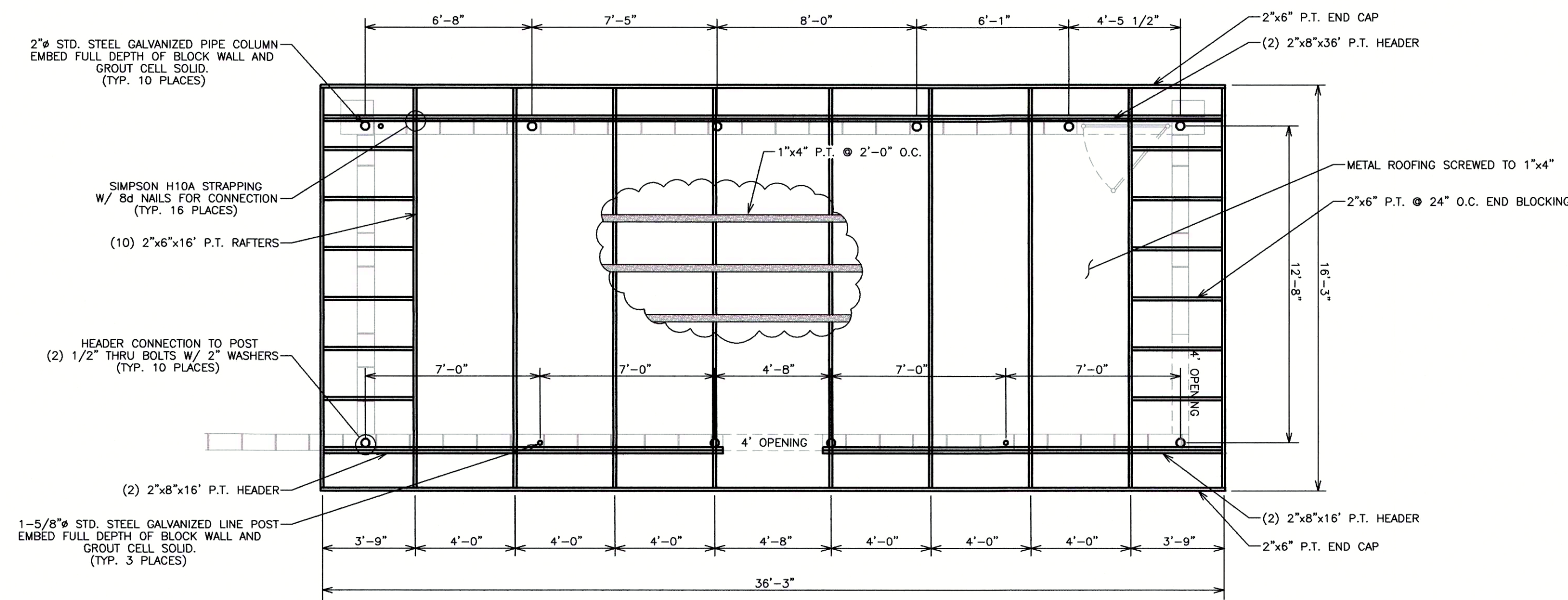


(IN FEET)
1 inch = 40 ft.

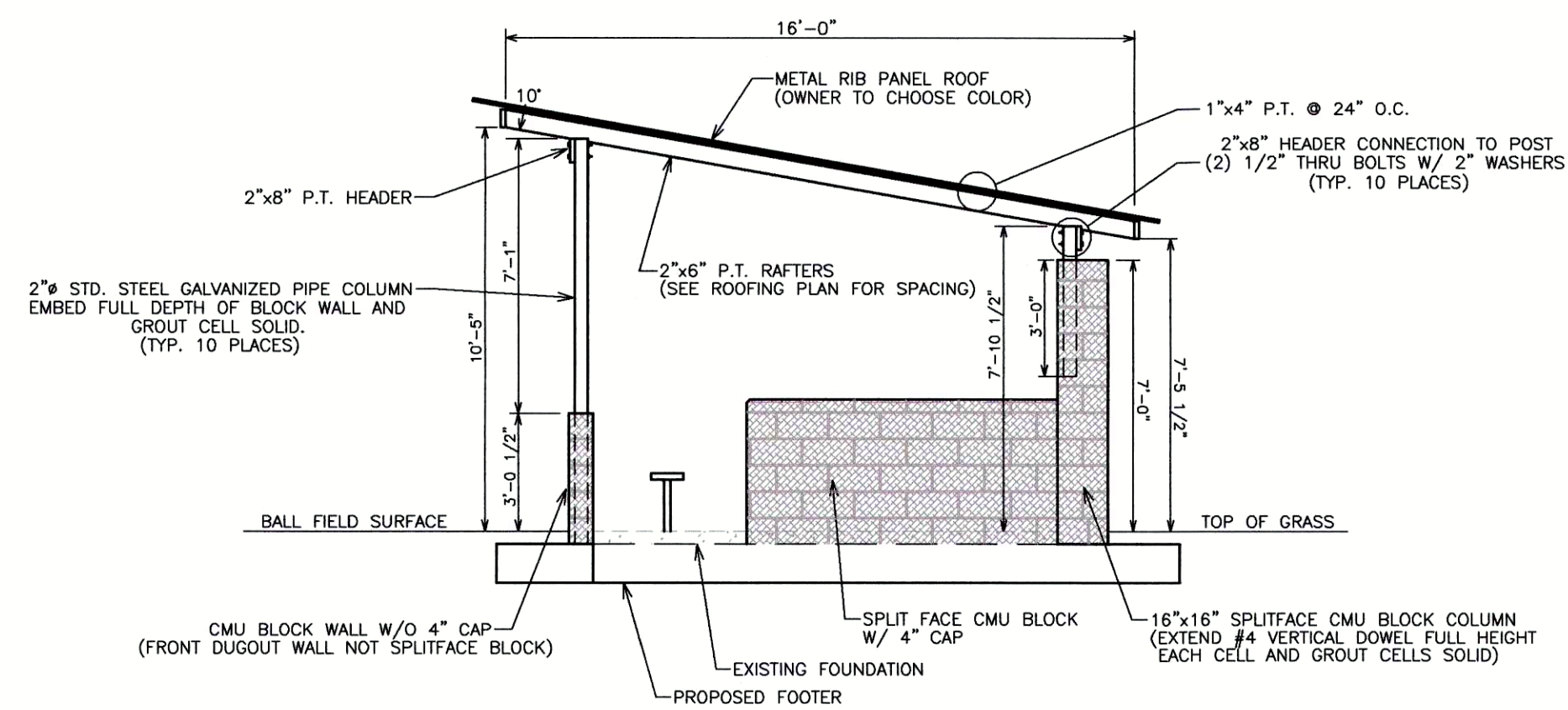
NUMBER:	REVISION:	DATE:	<div><p>Sawgrass CONSULTING, LLC</p><p>ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT</p><p>11143 Old Highway 31 Spanish Fort, AL 36527 Phone: (251) 544-7900 818 N. McKenzie Street Foley, AL 36535 Phone: (251) 970-7900</p></div>	FENCE REPLACEMENT PLAN - N.I.C.	SCALE: 1" = 40'	
						DATE: JULY, 2018
						DRAWN BY: JLG
				CHECKED BY: TEG		
				SHEET: 4 OF 9		
				SPORTSPLEX IMPROVEMENTS FIELDS 9-12		
				CITY OF ORANGE BEACH		



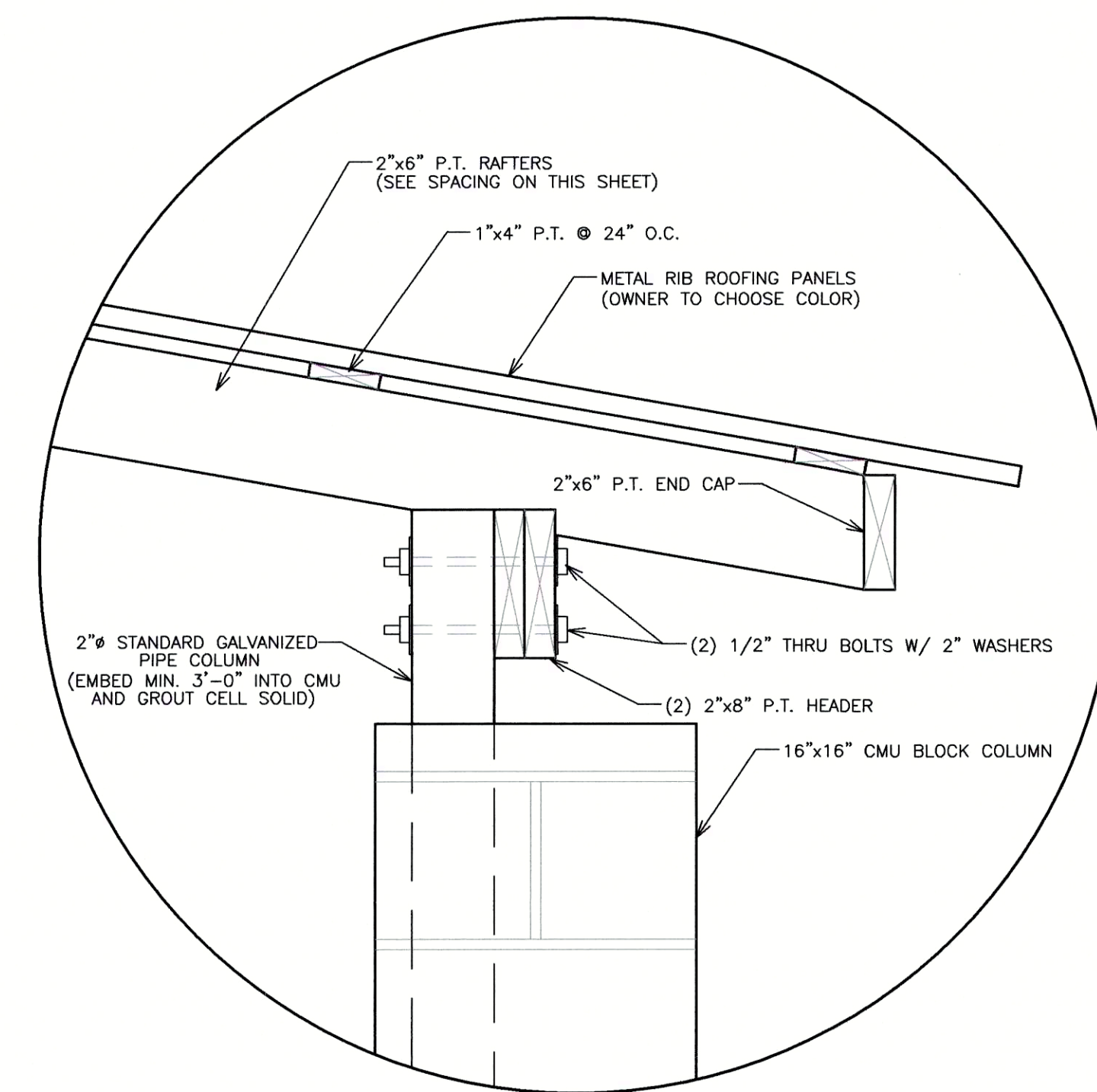
NUMBER:	REVISION:	DATE:	 <p>ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT</p> <p>11143 Old Highway 31 Spanish Fort, AL 36527 818 N. McKenzie Street Foley, AL 36535</p> <p>Phone: (251) 544-7900 Phone: (251) 970-7900</p>	BACKSTOP WALL & DUGOUT PLAN - N.I.C.		SCALE: 1"=20'
				SPORTSPLEX IMPROVEMENTS		DATE: JULY, 2018
				CITY OF ORANGE BEACH		DRAWN BY: JLG
						CHECKED BY: TEG
						SHEET: 5 OF 9



ROOFING PLAN



RIGHT SIDE ELEVATION VIEW



HEADER CONNECTION TO POST

N.T.S.

NUMBER:	REVISION:	DATE:	 <p>ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT</p> <p>11143 Old Highway 31 Spanish Fort, AL 36527 Phone: (251) 544-7900 818 N. McKenzie Street Foley, AL 36535 Phone: (251) 970-7900</p>	DUGOUT PLAN - N.I.C.		SCALE: 1"=50'
				SPORTSPLEX IMPROVEMENTS FIELDS 9-12		DATE: JULY, 2018
				CITY OF ORANGE BEACH		DRAWN BY: JLG
						CHECKED BY: TEG
						SHEET: 7 OF 9

NOTES:

1. THE "PRO-STYLE BACKSTOP NETTING SYSTEM IS A SPECIALTY DESIGN AND CONSTRUCT ITEM. THIS ITEM SHALL BE DESIGNED AND INSTALLED BY A QUALIFIED SPECIALTY CONTRACTOR WITH A MINIMUM OF 5 YEARS OF EXPERIENCE DESIGNING AND INSTALLING SIMILAR SYSTEMS SUCH AS "NET CONNECTION, SPORT AND GOLF NETTING OR CONTAINMENT SYSTEMS". CONTRACTOR SHALL SUBMIT INFORMATION WITH BID DOCUMENTS INCLUDING COMPANY HISTORY, SIMILAR INSTALLATIONS AND A CERTIFICATION THAT ALL SPECIFICATIONS ARE BEING MET IN THEIR DESIGN.
2. THE BLEACHER SHADE SAIL SYSTEM IS A SPECIALTY DESIGN ITEM AND SHALL BE DESIGNED AND INSTALLED BY A COMPANY WITH A MINIMUM OF 5 YEARS OF SHADE SAIL DESIGN EXPERIENCE SUCH AS "WE CAN SHADE IT" OF PENSACOLA, FLORIDA, OR AN APPROVED EQUAL AWARDED GENERAL CONTRACTOR SHALL SUBMIT INFORMATION ON THE SPECIALTY CONTRACTOR INCLUDING COMPANY HISTORY, SIMILAR INSTALLATIONS, AND A CERTIFICATION THAT ALL SPECIFICATIONS ARE BEING MET IN THEIR DESIGN.
3. THE BACKSTOP NETTING AND THE BLEACHER SHADE SAIL SYSTEMS' DESIGN SHALL BE COORDINATED TO MINIMIZE THE NUMBER OF SUPPORT POLES REQUIRED. THE LAYOUT SHOWN ON THIS SHEET DEPICTS THE GENERAL CONCEPT FOR DESIGN WHICH UTILIZES THE SUPPORT POLES OF THE BACKSTOP NETTING SYSTEM AS SUPPORT FOR THE SHADE SYSTEM. DESIGN LOADINGS INCURRED BY THE SHADE SYSTEM SHALL BE GIVEN TO THE BACKSTOP NETTING DESIGNER FOR INCORPORATION IN THE STRUCTURAL DESIGN OF THE BACKSTOP NETTING SUPPORT POLES. IN ADDITION, ATTACHMENTS, FASTENERS, APPURTENANCES, ETC. OF THE SHADE SYSTEM SHALL BE COORDINATED WITH THE BACKSTOP NETTING DESIGNER FOR DESIGN AND INSTALLATION CONSIDERATION. IF FEASIBLE, THE NET CONTRACTOR IS ENCOURAGED TO LIMIT THE NUMBER OF SUPPORT POLES REQUIRED BY THE "SHARING" OF POLES BETWEEN FIELDS.
4. CONSTRUCTION OF BOTH SYSTEMS SHALL BE COORDINATED WITH EACH OTHER AND THE GENERAL CONTRACTOR TO ENSURE THE SYSTEMS FUNCTION AS INTENDED.
5. SHOULD EXISTING CONCRETE SIDEWALK REQUIRE SAW-CUTTING FOR POLE PLACEMENT, THE CITY OF ORANGE BEACH WILL CUT AND REMOVE EXISTING CONCRETE AS REQUIRED.
6. THE PRO-STYLE NET SYSTEM SHALL BE DESIGNED AS A "RAISE/LOWER" SYSTEM. A MANUAL "WINCH" SYSTEM SHALL BE INCORPORATED INTO THE DESIGN WITH ALL COMPONENTS DESIGNED FOR A 90 M.P.H. WIND LOAD. THE CONTRACTOR SHALL PROVIDE ON-SITE INSTRUCTION TO CITY PERSONNEL ON THE PROPER PROCEDURES FOR LOWERING AND RAISING THE SYSTEM.
7. THE SHADE SAIL SYSTEM SHALL BE DESIGNED AS A "RAISE/LOWER" SYSTEM. THE SYSTEM SHALL BE DESIGNED FOR A 90 M.P.H. WIND LOAD. THE CONTRACTOR SHALL PROVIDE ON-SITE INSTRUCTION TO CITY PERSONNEL ON THE PROPER TOOLS AND PROCEDURES FOR LOWERING AND RAISING THE SHADE/SAIL SYSTEM.
8. THE OVERALL HEIGHT OF THE PRO-STYLE NETTING SHALL BE 30 FEET MEASURED FROM THE GROUND. THE HEIGHT OF ALL SUPPORT POLES SHALL BE DESIGNED ACCORDINGLY.

SHADE SAIL SYSTEM SPECIFICATIONS

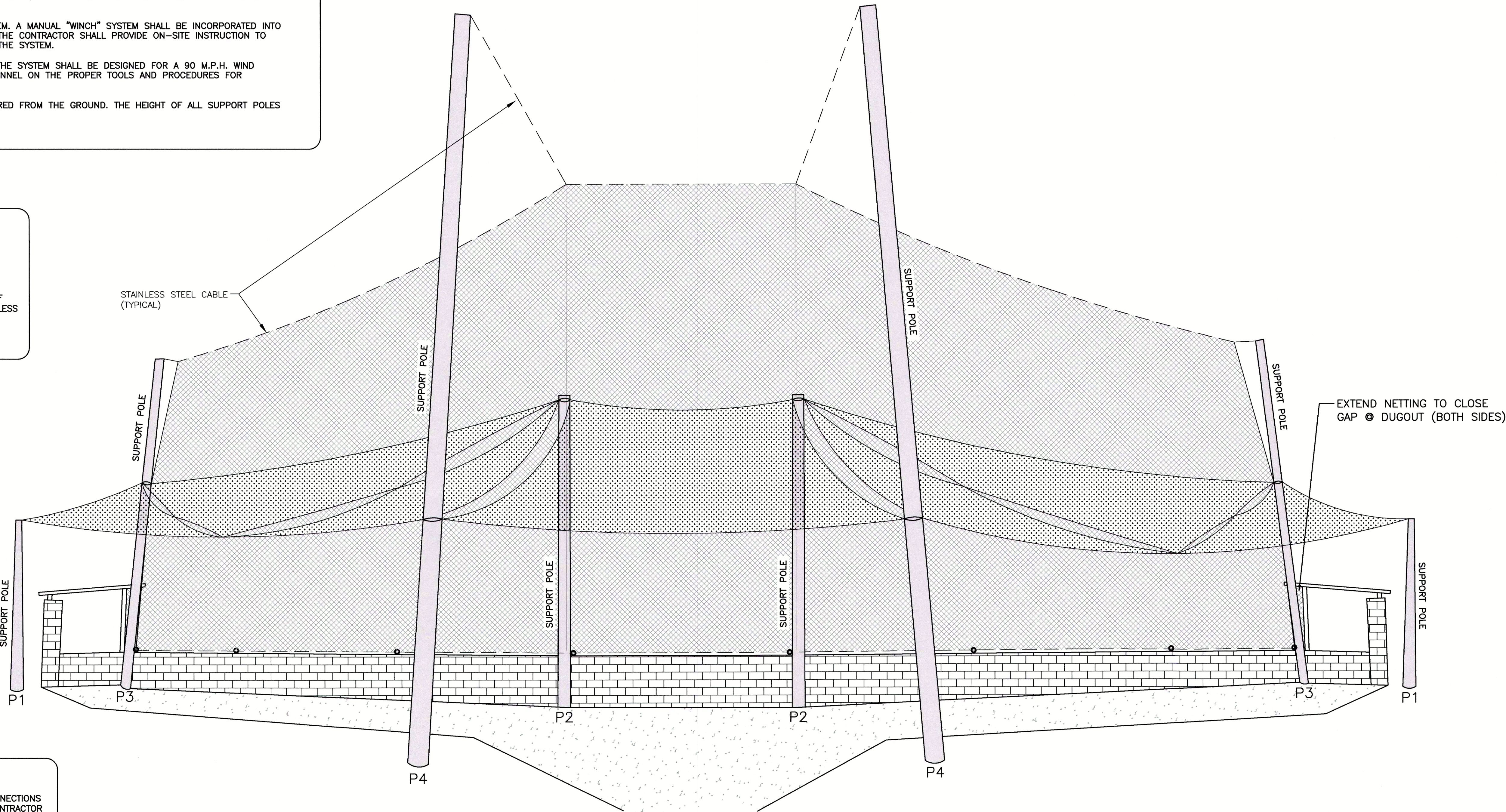
SHADE MATERIAL: ALNET EXTRABLOCK SHADECLOTH
SHADE SQUARE FOOTAGE FOR EACH FIELD: 2,660 SQ. FT.
SUPPORT CABLE: 1/2" STAINLESS STEEL CABLE SEWN AROUND ENTIRE SHADE EDGE

DESIGN AND INSTALLATION OF
PROSTYLE NETTING
AND STRUCTURAL SUPPORT

THE PROPOSED PROSTYLE BACKSTOP NETTING AND ALL COMPONENTS OF THE NETTING STRUCTURAL SUPPORT SYSTEM INCLUDING: NETTING, STAINLESS SUPPORT CABLES, SUPPORT AND FOUNDATION POLES AND CONNECTION DETAILS ARE A SPECIALTY ITEM TO BE DESIGNED AND INSTALLED BY A SPECIALTY CONTRACTOR.

NOTE:

STRUCTURAL DESIGN OF NETTING SUPPORT POLES, FOOTINGS AND CONNECTIONS MUST INCLUDE LOADINGS FROM SHADE SYSTEMS. EACH SPECIALTY CONTRACTOR WILL COORDINATE FOR POSITIONING OF POLES, HEIGHT OF SHADE ATTACHMENTS AND ALL REQUIRED LOADINGS FOR DESIGN.



CONCEPTUAL LAYOUT FOR ILLUSTRATION PURPOSES
ACTUAL DESIGN MAY VARY

NUMBER:	REVISION:	DATE:



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CONSULTING, LLC
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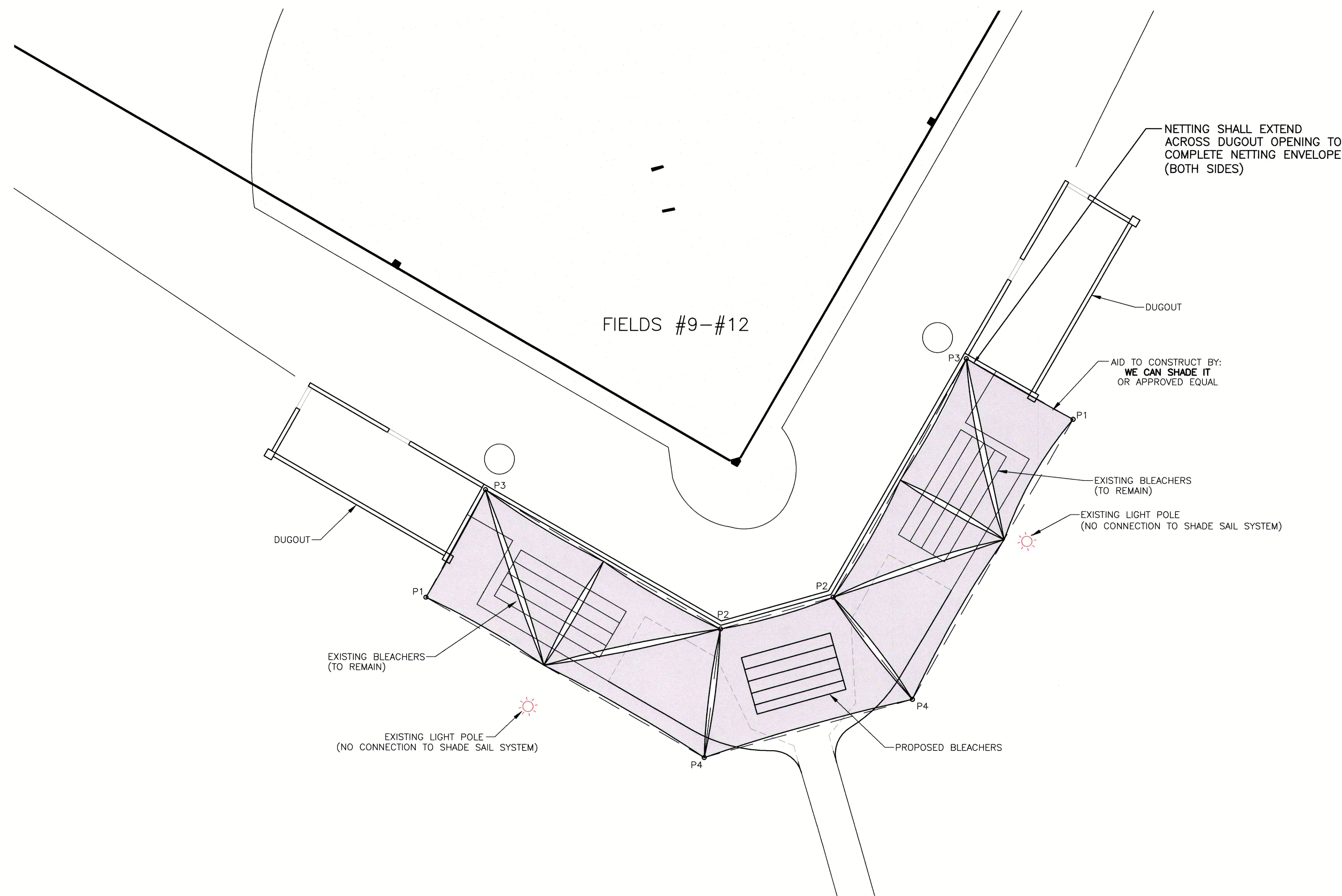
Phone: (251) 544-7900
Phone: (251) 970-7900

BACKSTOP NETTING/SHADE SAIL SYSTEM

SPORTSPLEX IMPROVEMENTS FIELDS 9-12

CITY OF ORANGE BEACH

SCALE:	1" = 30'
DATE:	JULY, 2018
DRAWN BY:	JLG
CHECKED BY:	TEG
SHEET:	8 OF 9



NOTES:

P1 AND P2 - SUPPORT SHADES SYSTEM ONLY
P3 AND P4 - SUPPORT PROSTYLE NETTING AND SHADE SYSTEM
DESIGN PREFERENCE: P1 AND P4 - POLES DESIGNED AND
PLACED AS SUPPORT POLES FOR
ADJACENT FIELDS FOR SHARED USE.

SHADE SAIL SYSTEM SPECIFICATIONS

SHADE MATERIAL: ALNET EXTRABLOCK SHADECLOTH

SUPPORT CABLE: 1/2" STAINLESS STEEL CABLE SEWN
AROUND ENTIRE SHADE EDGE

NOTE:

1. REFER TO DIMENSIONS FOR EACH FIELD ON SHEET 5 OF 9.



GRAPHIC SCALE
(IN FEET)
1 inch = 10 ft.

NUMBER:	REVISION:	DATE:	 <p>ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT</p> <p>11143 Old Highway 31 Spanish Fort, AL 36527 Phone: (251) 544-7900 818 N. McKenzie Street Foley, AL 36535 Phone: (251) 970-7900</p>	BLEACHER SHADE SAIL SYSTEM PLAN VIEW		SCALE: 1" = 10'
				SPORTSPLEX IMPROVEMENTS FIELDS 9-12		DATE: JULY, 2018
				CITY OF ORANGE BEACH		DRAWN BY: JLG
						CHECKED BY: TEG
						SHEET: 9 OF 9