

SITE DEVELOPMENT PLANS FOR



MACON-BIBB PARKS AND RECREATION BLOOMFIELD PARK-4115 LIONS PLACE SPORTS COMPLEX RENOVATION 6/25/21



DATE SIGNED: JULY 06, 2021



Widner & Associates, Inc.

PH. # (478) 746-2010 P.O. BOX 102 MACON, GEORGIA 31202
EMAIL: widner@widner-assoc.com WEBSITE: www.widner-assoc.com

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Parcel ID - N1020076
GPS LOCATION: 32.7879751, -083.6812416
VICINITY MAP
N.T.S.

NARRATIVE

A renovation of the BLOOMFIELD PARK will be comprised of the six (6) ball fields and adjacent amenity areas. This work will encompass the instillation of new grass turf fields, improvements to the drainage of the fields, fencing, dugouts, bleachers, irrigation systems, restrooms, concessions and pedestrian circulation enhancements.

24-HR. CONTACT:
MR. ROBERT WALKER, DIRECTOR OF
MACON-BIBB RECREATION DEPARTMENT
150 WILLIE SMOKE GLOVER DRIVE
MACON, GA. 31201
PHONE: 478-621-6279
EMAIL: RWALKER2@MACONBIBB.US

PRIMARY PERMITEE:
CONTACT PERSON:
COMPANY:
ADDRESS:
PHONE:
EMAIL:
*CONTRACT TO COMPLETE ABOVE INFO. BEFORE
COMMENCEMENT OF WORK

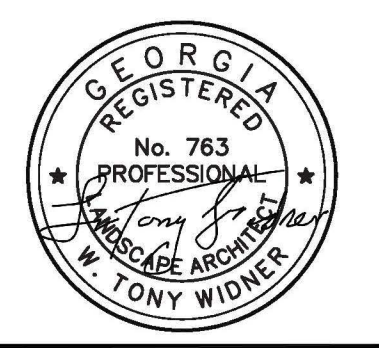


LEGEND FOR ALL C SHEETS

CWS	INDICATES COLD WATER SUPPLY LINE	SD	INDICATES STORM DRAIN
CWR	INDICATES COLD WATER RETURN LINE	HMW	INDICATES HORIZONTAL MONITORING WELL
TY	INDICATES TYPICAL	GM	INDICATES GAS METER
GI	INDICATES GRATE INLET	GL	INDICATES GAS VALVE
PK	INDICATES POWER	GL	INDICATES GAS LINE
STR	INDICATES GUTTER	PH	INDICATES FIRE HYDRANT
INV	INDICATES INVERT	WM	INDICATES WATER METER
HW	INDICATES HORIZONTAL	WV	INDICATES WATER VALVE
FTE	INDICATES FINISHED FLOOR ELEVATION	CO	INDICATES CLEAN OUT
EQ	INDICATES EQUIPMENT	SV	INDICATES SEWER VALVE
ME	INDICATES MECHANICAL	CP	INDICATES CABLE PEDISTAL
SS	INDICATES SANITARY SEWER	FP	INDICATES FLAME POST
MH	INDICATES MANHOLE	B	INDICATES BORING
BLDG	INDICATES BUILDING	LP	INDICATES LIGHT POLE
CONC	INDICATES CONCRETE	PB	INDICATES POWER BOX
ALCP	INDICATES ALUMINUM CORRUGATED CONCRETE PIPE	TLF	INDICATES CHAIN LINK FENCE
CMP	INDICATES CORRUGATED METAL PIPE	TF	INDICATES TELEPHONE
PP	INDICATES POWER POLE	TE	INDICATES TELEPHONE PEDISTAL
GUY	INDICATES GUY WIRE	SE	INDICATES SPOT ELEVATION
OHP	INDICATES OVERHEAD POWER LINE	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
UG	INDICATES UNDERGROUND ELECTRIC	DA	INDICATES ROAD AREAS FOR DEMOLITION / REMOVAL
UM	INDICATES UNDERGROUND WATER MAIN	AS	INDICATES FLEXIBLE (ASPHALT) PAVEMENT
US	INDICATES UNDERGROUND SANITARY SEWER LINE	PA	INDICATES ROAD PAVEMENT
UC	INDICATES UNDERGROUND COMMUNICATION LINE	TR	INDICATES TRANSFORMER (CFMR)
UM	INDICATES UNDERGROUND GAS MAIN		
UGU	INDICATES UNKNOWN UNDERGROUND UTILITY		
STP	INDICATES STEAM PIPE (THERMAL UTILITY)		
G.P.	INDICATES G.P. METER		
G.P.F.	INDICATES G.P. FIED		
S.S.C.	INDICATES SANITARY SEWER CLEANOUT		



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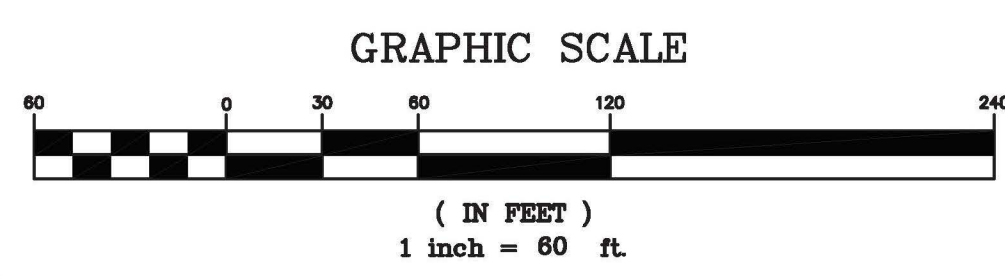


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LEGEND

PROPERTY LINE	IPF	IRON PIN FOUND	IPF
EXISTING CONTOUR	-100-	EXISTING CONTOUR	-100-
PROPOSED CONTOUR	100	PROPOSED CONTOUR	100
UTILITY POLE W/GUY WIRE	PP	UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP	LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP	TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP	OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT	UNDERGROUND TELEPHONE	UGT
WATER LINE	W	WATER LINE	W
SANITARY SEWER	SS	SANITARY SEWER	SS
FENCE	X-X-X	FENCE	X-X-X
STREAM OR CREEK	---	STREAM OR CREEK	---
PROPOSED SANITARY SEWER W/MANHOLE	SS-MH	PROPOSED SANITARY SEWER W/MANHOLE	SS-MH
WATER W/FIRE HYDRANT	W-FH	WATER W/FIRE HYDRANT	W-FH
PROPOSED WATER VALVE	W-V	PROPOSED WATER VALVE	W-V
PROPOSED WATER METER	W-M	PROPOSED WATER METER	W-M
PROPOSED STORM W/INLETS & HEADWALL	CB	PROPOSED STORM W/INLETS & HEADWALL	CB
	DWCB SWCB HW		DWCB SWCB HW



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- REVISIONS:**
- 1.
 - 2.
 - 3.
 - 4.

Widner & Associates, Inc.
 P.O. BOX 102 MACON, GEORGIA 31202
 PH: (478) 748-2010 FAX: (478) 748-2011
 WWW.WIDNER-ASSOCIATES.COM

EXISTING CONDITIONS PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160 4TH LAND DISTRICT

DATE: 06/01/2021
 DRAWN BY: FRH
 CHECKED BY: WTW
 PROJECT #: 9999-012

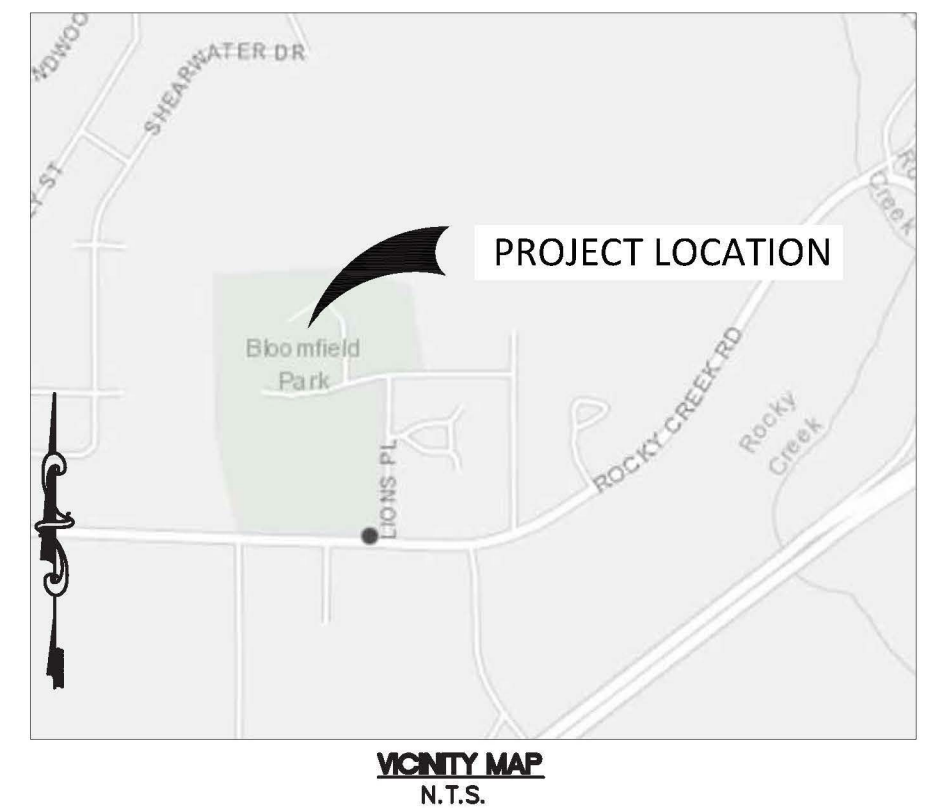
SHEET C-1
 SCALE: 1" = 60'
 APPROV. _____



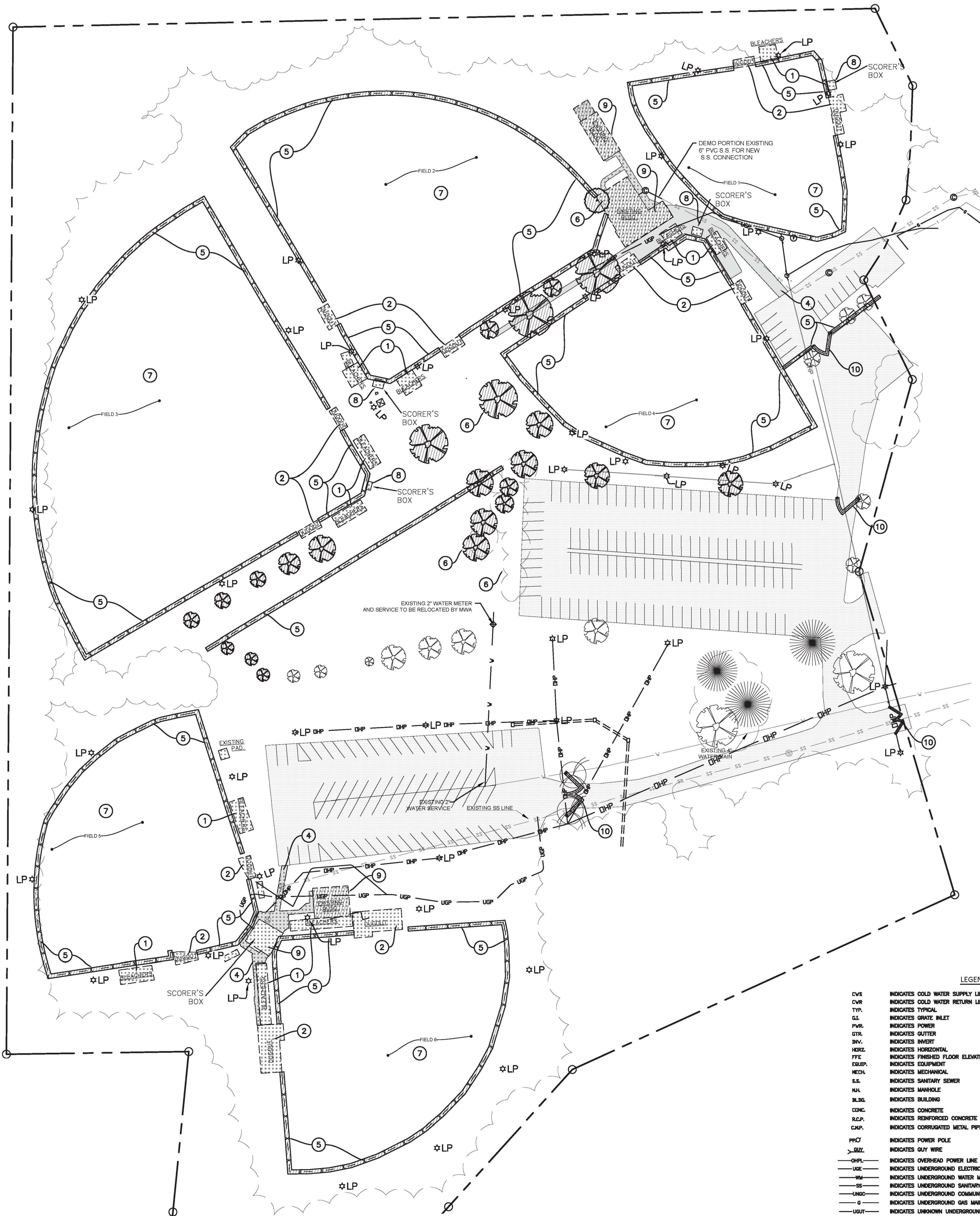
LEVEL II CERTIFICATION
GSWCC # 24610



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- ### KEY NOTES FOR SITE DEMOLITION
- ① REMOVE AND DISCARD EXISTING BLEACHERS & BLEACHER COVERS
 - ② REMOVE AND DISCARD DUGOUT
 - ③ ERADICATE THE EXISTING TURF TO FENCE LINE OF ALL FIELDS AND EXCAVATE FIELDS TO A MINIMUM DEPTH OF 4 INCHES.
 - ④ SAW CUT, REMOVE AND DISPOSE OF EXISTING ASPHALT AND CONCRETE IN AREAS INDICATED OR REQUIRED FOR NEW WORK
 - ⑤ REMOVE ALL FENCING, GATES, POSTS AND POST FOOTINGS WITHIN THE AREA OF WORK
 - ⑥ REMOVE SHRUBS, TREES, LANDSCAPE EDGING, UTILITIES, AND CONDUIT FROM LANDSCAPED AREAS AS REQUIRED FOR NEW WORK
 - ⑦ REMOVE AND CAP EXISTING IRRIGATION SYSTEM WITHIN THE WORK AREA, AS REQUIRED
 - ⑧ REMOVE AND DISCARD SCORER'S BOX
 - ⑨ REMOVE EXISTING STRUCTURES & UTILITIES AS REQUIRED FOR FINAL CONSTRUCTION
 - ⑩ REMOVE FORESTRY GATE AND BOLLARDS.

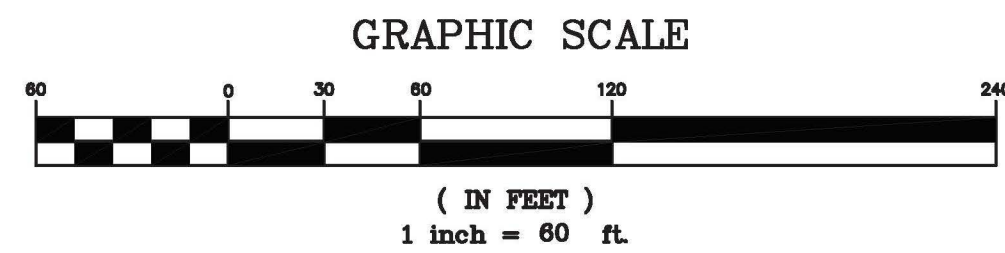
- ### NOTES:
1. REMOVE ALL CHAIN LINK FENCES, POSTS, AND GATES FOR FIELDS AND PROJECT AREAS INDICATED.
 2. REMOVE DUGOUT BENCHES AND BLEACHERS. PROVIDE TO OWNER.
 3. PROTECT EXISTING TREES UNLESS NOTED TO BE REMOVED. TREES MUST BE APPROVED FOR REMOVAL BY OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.
 4. PROTECT ALL EXISTING UTILITIES. CONTRACTOR TO REPAIR ANY DAMAGE WITHOUT ADDITIONAL COST TO THE OWNER.
 5. PROTECT SCOREBOARDS INCLUDING SERVICE LINES. CONTRACTOR MUST REPAIR ANY DAMAGE WITHOUT ADDITIONAL COST TO THE OWNER.
 6. EXISTING PARKING LOT TO REMAIN. NEW SEAL COAT AND STRIPING REQUIRED PER ADA GUIDELINES. AS AN ADD ALTERNATE, PROVIDE ASPHALT PATCH AND RESURFACING AS REQUIRED TO PROVIDE STRUCTURAL REHABILITATION AND WEAR COURSE TO PREVENT REFLECTIVE CRACKING.
 7. ANY VEGETATION OR UTILITIES CONFLICTING WITH PROPOSED CONSTRUCTION TO BE REMOVED.
 8. A DEMOLITION PERMIT IS REQUIRED FROM MWA PRIOR TO COMMENCEMENT OF WORK.
 9. THE CONTRACTOR SHALL NOTIFY MWA INSPECTION DEPARTMENT 48 HOURS PRIOR TO BEGINNING CONSTRUCTION—CALL CHIEF INSPECTOR JOEL HERNDON (478)464-5639.
 10. EXISTING WATER METERS ARE REQUIRED TO BE REMOVED BY MWA PRIOR TO DEMOLITION.
 11. EXISTING SANITARY SEWER LATERALS SHALL BE CAPPED BY CONTRACTOR AND WITNESS BY MWA INSPECTOR.

LEGEND

PROPERTY LINE	---	IPF	○
IRON PIN FOUND	---	---	---
EXISTING CONTOUR	---	---	---
PROPOSED CONTOUR	---	---	---
UTILITY POLE W/GUY WIRE	---	---	---
LIGHT POLE	---	---	---
TELEPHONE/SERVICE POLE	---	---	---
OVERHEAD POWER	---	---	---
UNDERGROUND TELEPHONE	---	---	---
WATER LINE	---	---	---
SANITARY SEWER	---	---	---
FENCE	---	---	---
STREAM OR CREEK	---	---	---
PROPOSED SANITARY SEWER W/MANHOLE	---	---	---
WATER W/FIRE HYDRANT	---	---	---
PROPOSED WATER VALVE	---	---	---
PROPOSED WATER METER	---	---	---
PROPOSED STORM W/INLETS & HEADWALL	---	---	---
SLOPE	---	---	---

LEGEND FOR ALL C SHEETS

C/S	INDICATES COLD WATER SUPPLY LINE	SD	INDICATES STORM DRAIN
C/R	INDICATES COLD WATER RETURN LINE	HM	INDICATES HORIZONTAL MONITORING WELL
TYP.	INDICATES TYPICAL	GM	INDICATES GAS METER
SL	INDICATES SLATE INLET	GV	INDICATES GAS VALVE
P/W	INDICATES POWER	GL	INDICATES GAS LINE
GR	INDICATES GRATE	FW	INDICATES FIRE HYDRANT
INV.	INDICATES INVERT	WM	INDICATES WATER METER
HRZ.	INDICATES HORIZONTAL	WV	INDICATES WATER VALVE
FYE	INDICATES FINISHED FLOOR ELEVATION	CO	INDICATES CLEAN OUT
ESUP.	INDICATES EQUIPMENT	SWV	INDICATES SEWER VALVE
MEN.	INDICATES MECHANICAL	CP	INDICATES CABLE PEDESTAL
S.S.	INDICATES SANITARY SEWER	BP	INDICATES BURIED POST
M	INDICATES MANHOLE	BO	INDICATES BORING
BLDG.	INDICATES BUILDING	LP	INDICATES LIGHT POLE
CONC.	INDICATES CONCRETE	PB	INDICATES POWER BOX
RCP	INDICATES REINFORCED CONCRETE PIPE	CLF	INDICATES CHAIN LINK FENCE
CM	INDICATES CORRUGATED METAL PIPE	SP	INDICATES SPLY FENCE
PPC	INDICATES POWER POLE	TP	INDICATES TELEPHONE PEDESTAL
OW	INDICATES OVERHEAD POWER LINE	EL	INDICATES ELEVATION
USE	INDICATES UNDERGROUND ELECTRIC	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
UM	INDICATES UNDERGROUND WATER MAIN	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
SS	INDICATES UNDERGROUND SANITARY SEWER LINE	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
UMC	INDICATES UNDERGROUND COMMUNICATION LINE	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
UMW	INDICATES UNDERGROUND GAS MAIN	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
UUT	INDICATES UNKNOWN UNDERGROUND UTILITY	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
STP	INDICATES STEAM PIPE (HEATING UTILITY)	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
OM	INDICATES O.P. METER	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
OF	INDICATES O.P. FEED	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
OC	INDICATES OVERHEAD SEWER CLEANOUT	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL



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REVISIONS:
1. MWA REVIEW - 06-22-21
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WEB: www.widner-associates.com
PH: (478) 748-2010 FAX: (478) 748-2010

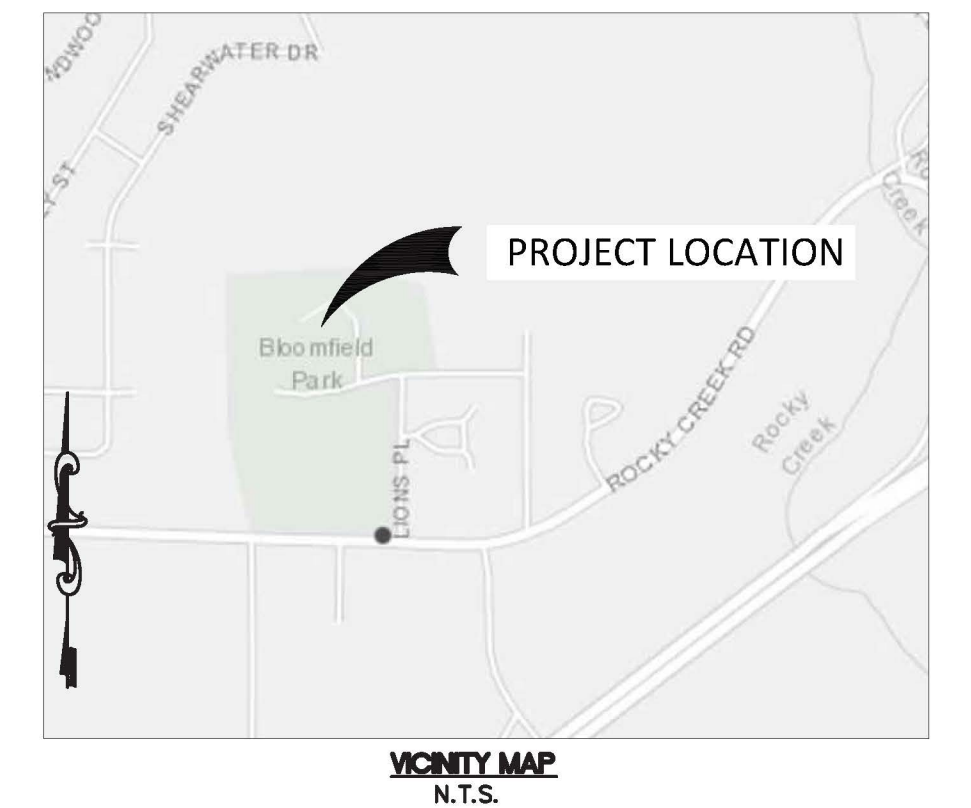
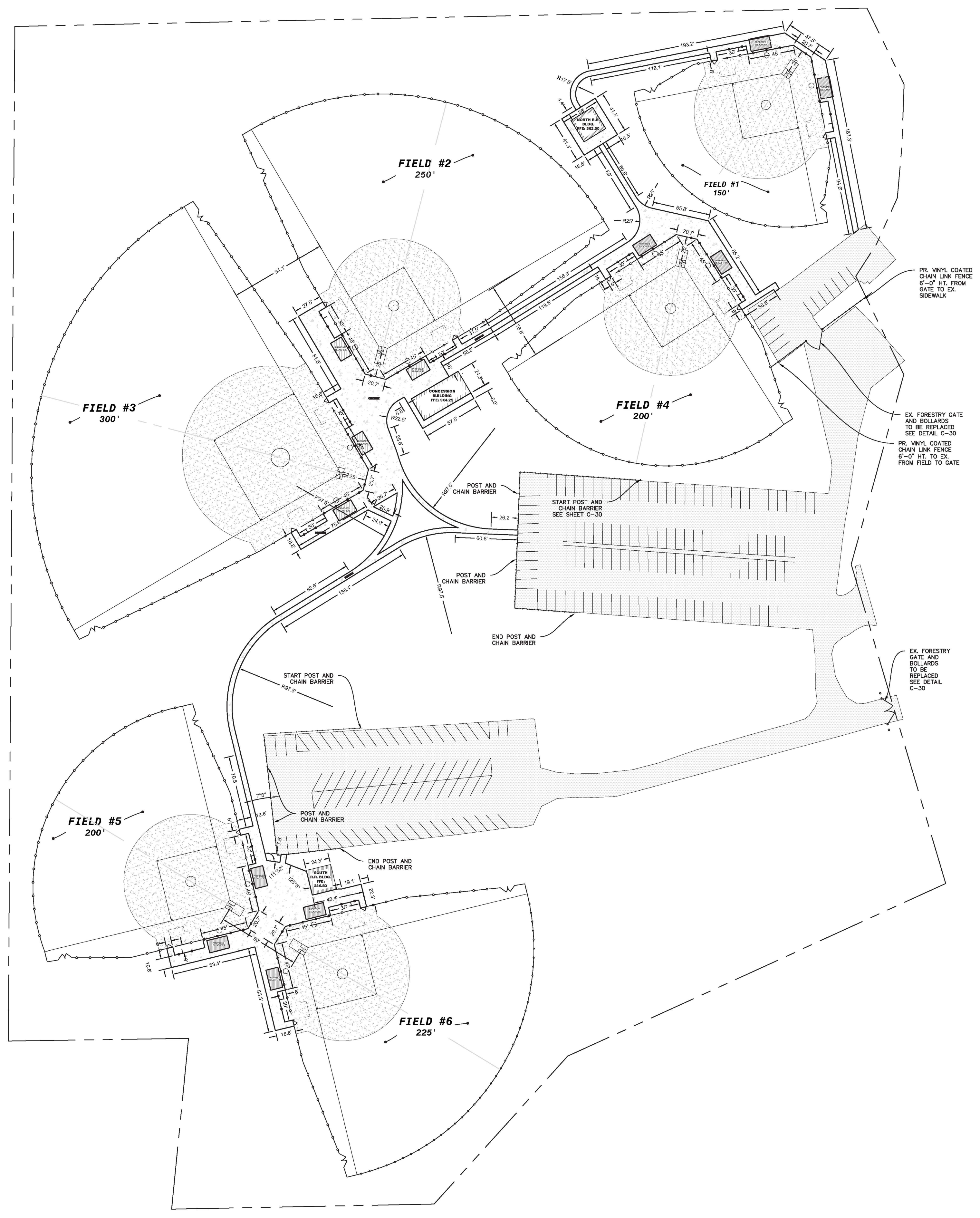
DEMOLITION PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 07/29/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-2
SCALE: 1" = 60'
APPROV. _____

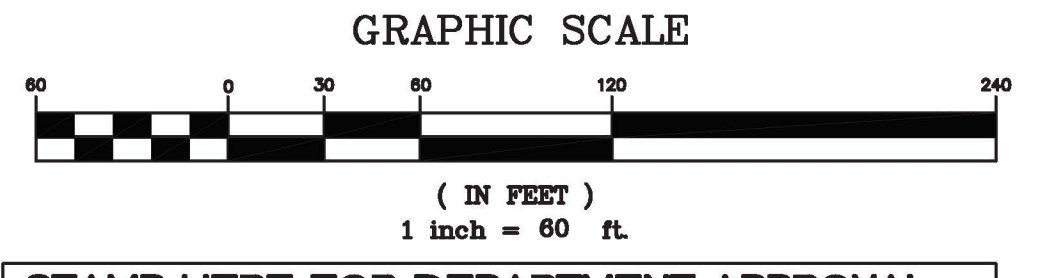
LEGEND FOR ALL C SHEETS

CWS	INDICATES COLD WATER SUPPLY LINE	SD	INDICATES STORM DRAIN
CWR	INDICATES COLD WATER RETURN LINE	HM	INDICATES HORIZONTAL MONITORING WELL
TYP	INDICATES TYPICAL	GM	INDICATES GAS METER
GI	INDICATES GRATE INLET	GV	INDICATES GAS VALVE
PKL	INDICATES POWER	GL	INDICATES GAS LINE
GTR	INDICATES GUTTER	PH	INDICATES FIRE HYDRANT
INV	INDICATES INVERT	WM	INDICATES WATER METER
REQ	INDICATES HORIZONTAL	WV	INDICATES WATER VALVE
FFE	INDICATES FINISHED FLOOR ELEVATION	CO	INDICATES CLEAN OUT
EQMP	INDICATES EQUIPMENT	SVW	INDICATES SEWER VALVE
MCH	INDICATES MECHANICAL	CPD	INDICATES CABLE PEDESTAL
SS	INDICATES SANITARY SEWER	SPD	INDICATES SUMP PUMP
MH	INDICATES MANHOLE	BP	INDICATES BORING
BLDG	INDICATES BUILDING	LP	INDICATES LIGHT POLE
CONC	INDICATES CONCRETE	PCB	INDICATES POWER BOX
RCP	INDICATES REINFORCED CONCRETE PIPE	CLF	INDICATES CHAIN LINK FENCE
CMP	INDICATES CORRUGATED METAL PIPE	FT	INDICATES SELF FENCE
PH	INDICATES POWER POLE	TP	INDICATES TELEPHONE PEDESTAL
GW	INDICATES GUY WIRE	SE	INDICATES SPOT ELEVATION
OHP	INDICATES OVERHEAD POWER LINE	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
UG	INDICATES UNDERGROUND ELECTRIC	RD	INDICATES ROAD AREAS FOR DEMOLITION / REMOVAL
UM	INDICATES UNDERGROUND WATER MAIN	FL	INDICATES FLEXIBLE (ASPHALT) PAVEMENT
US	INDICATES UNDERGROUND SANITARY SEWER LINE	RP	INDICATES ROAD PAVEMENT
UGC	INDICATES UNDERGROUND COMMUNICATION LINE	TR	INDICATES TRANSFORMER (D/FAR)
UGM	INDICATES UNDERGROUND GAS MAIN		
UGU	INDICATES UNKNOWN UNDERGROUND UTILITY		
STP	INDICATES STEAM PIPE (THERMAL UTILITY)		
GPM	INDICATES G.P. METER		
GPF	INDICATES G.P. FIED		
SC	INDICATES SANITARY SEWER CLEANOUT		



LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF ○
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	100
UTILITY POLE W/GUY WIRE	PP ○—
LIGHT POLE	LP ○
TELEPHONE/SERVICE POLE	TP/SP ○
OVERHEAD POWER	OHP —
UNDERGROUND TELEPHONE	UGT —
WATER LINE	W —
SANITARY SEWER	SS —
FENCE	X—X—X—
STREAM OR CREEK	—
PROPOSED SANITARY SEWER W/MANHOLE	—○—
WATER W/FIRE HYDRANT	—FH—
PROPOSED WATER VALVE	—X—
PROPOSED WATER METER	—M—
PROPOSED STORM W/INLETS & HEADWALL	—CB DWCB SWCB HW
SLOPE	—S—



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OVERALL SITE STAKING AND LAYOUT PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160

DATE: 07/29/2021
 DRAWN BY: FRH
 CHECKED BY: WTW
 PROJECT #: 9999-012

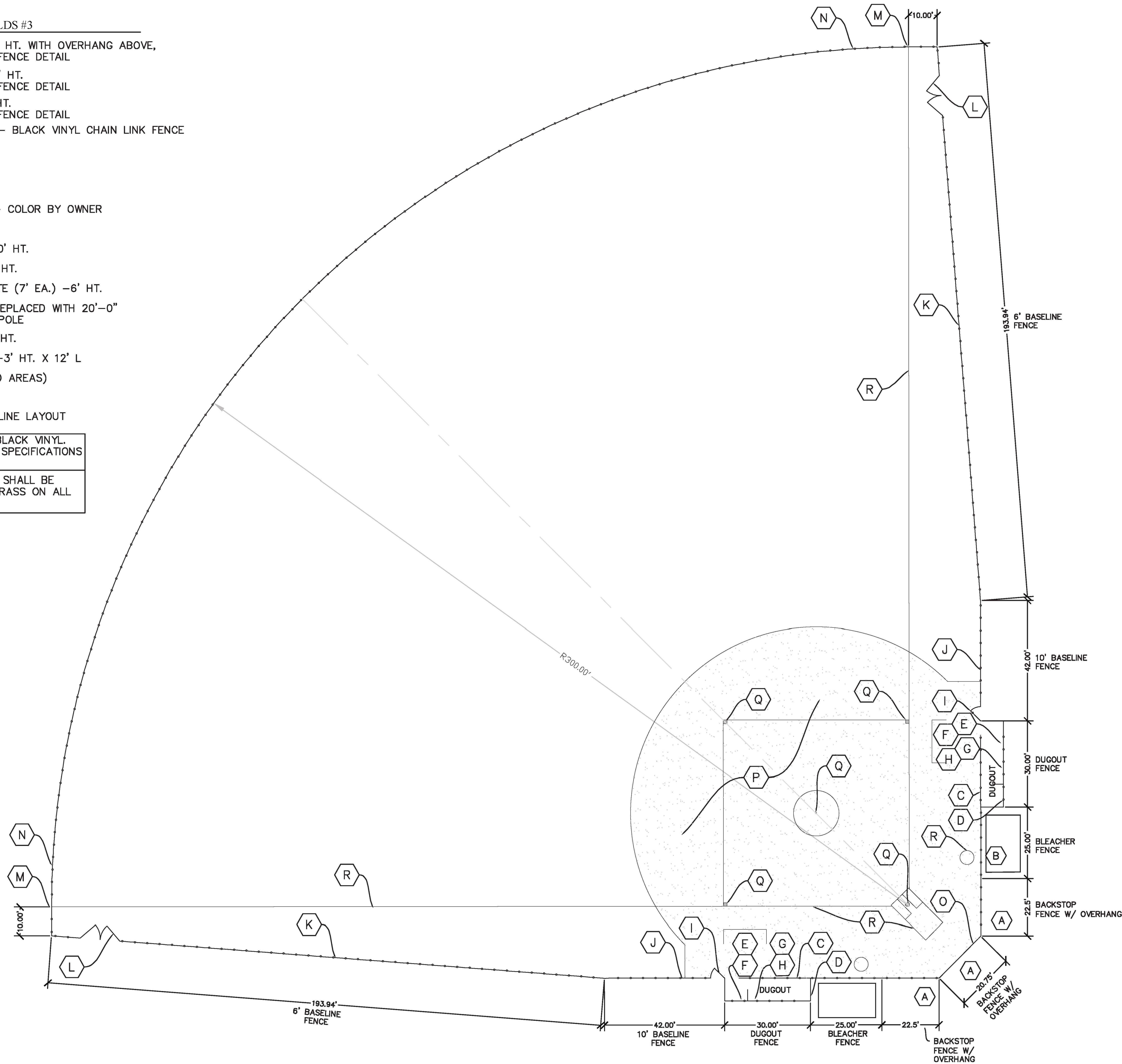
SHEET C-3
 SCALE: 1" = 60'
 APPROV. _____

KEY NOTES FOR FIELDS #3

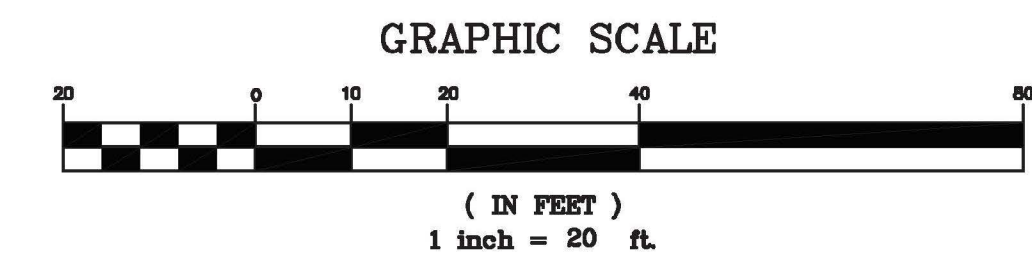
- (A) BACKSTOP FENCE 20' HT. WITH OVERHANG ABOVE, SEE BACKSTOP AND FENCE DETAIL
- (B) BLEACHER FENCE, 20' HT. SEE BACKSTOP AND FENCE DETAIL
- (C) DUGOUT FENCE, 20' HT. SEE BACKSTOP AND FENCE DETAIL
- (D) DUGOUT ENCLOSURE - BLACK VINYL CHAIN LINK FENCE
- (E) HELMET RACK
- (F) BAT RACK
- (G) COACHES' SHELF
- (H) 21' DUGOUT BENCH - COLOR BY OWNER
- (I) 5' GATE - 10' HT.
- (J) BASELINE FENCE - 10' HT.
- (K) BASELINE FENCE - 6' HT.
- (L) 14' DOUBLE LEAF GATE (7' EA.) - 6' HT.
- (M) FOUL POLES TO BE REPLACED WITH 20'-0" PROFESSIONAL FOUL POLE
- (N) OUTFIELD FENCE - 8' HT.
- (O) BACKSTOP PADDING - 3' HT. X 12' L
- (P) INFIELD MIX (HATCHED AREAS)
- (Q) SET OF BASES
- (R) LINE FIELD PER BASELINE LAYOUT

ALL FENCING SHALL BE BLACK VINYL. SEE DETAILS FOR EXACT SPECIFICATIONS FOR EACH ITEM ABOVE.

NATURAL TURF OUTFIELD SHALL BE TIFTWAY 419 BERMUDA GRASS ON ALL FIELDS.



1 TYPICAL CONSTRUCTION FOR 300' FIELD (FIELD #3)

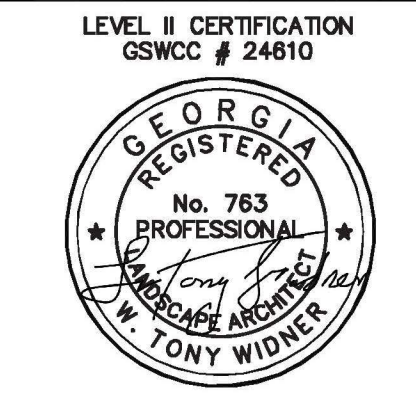


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 P.O. BOX 102 MACON, GEORGIA 31202
 PH: (478) 749-2010 FAX: (478) 749-2010
 EMAIL: widner@widner-usa.com www.widner-usa.com

300' FIELD SITE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160 4TH LAND DISTRICT

DATE: 06/01/2021
 DRAWN BY: FRH
 CHECKED BY: WTW
 PROJECT #: 9999-012

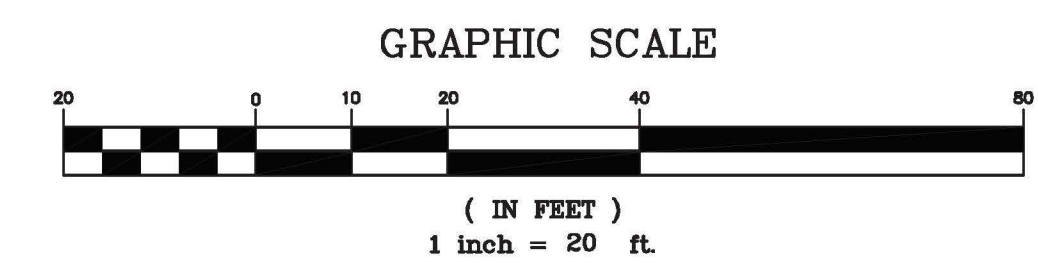
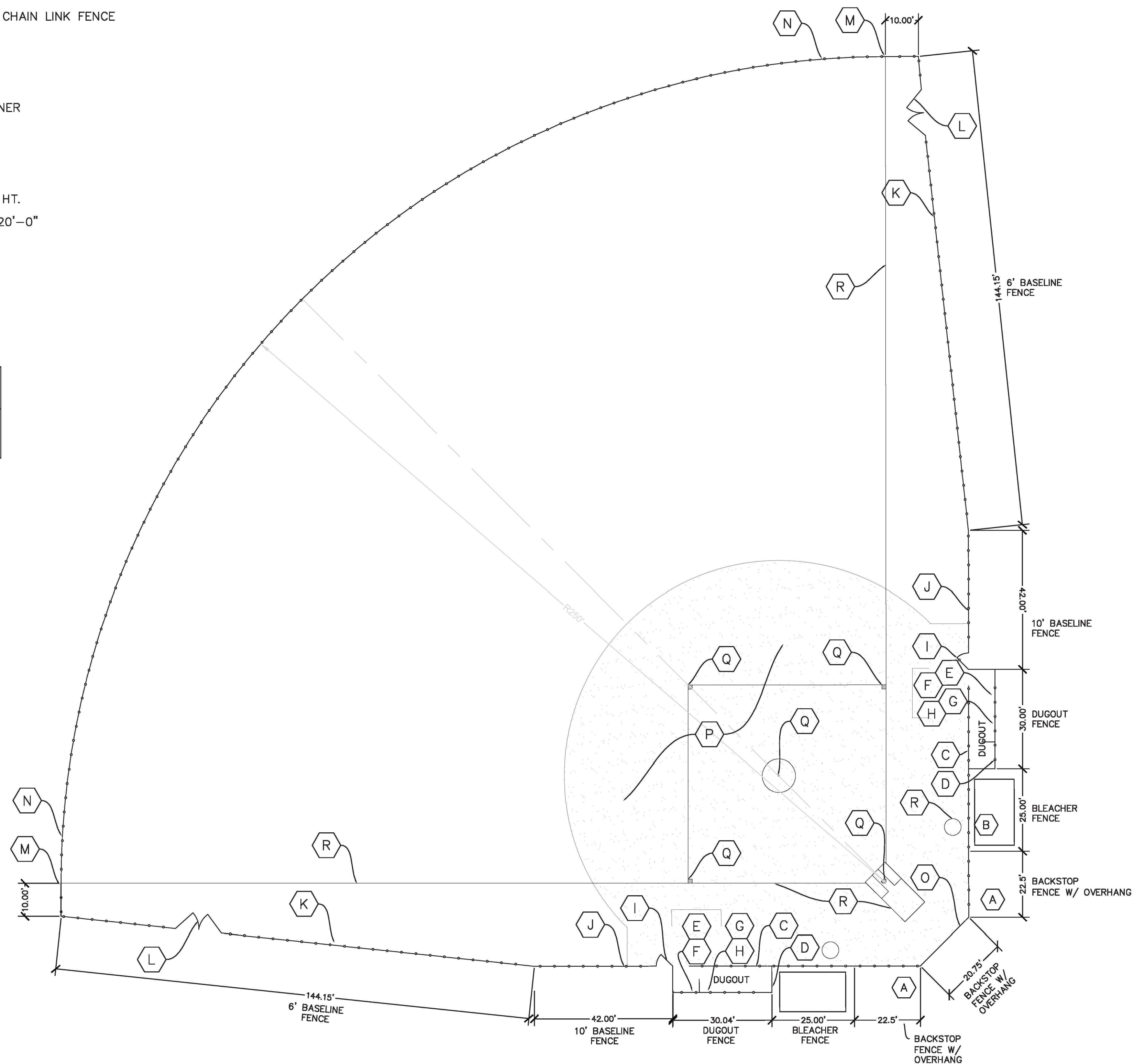
SHEET C-4
 SCALE: 1" = 20'
 APPROV. _____

KEY NOTES FOR FIELDS #2,

- (A) BACKSTOP FENCE 20' HT. WITH OVERHANG ABOVE, SEE BACKSTOP AND FENCE DETAIL
- (B) BLEACHER FENCE, 20' HT. SEE BACKSTOP AND FENCE DETAIL
- (C) DUGOUT FENCE, 20' HT. SEE BACKSTOP AND FENCE DETAIL
- (D) DUGOUT ENCLOSURE - BLACK VINYL CHAIN LINK FENCE
- (E) HELMET RACK
- (F) BAT RACK
- (G) COACHES' SHELF
- (H) 21' DUGOUT BENCH - COLOR BY OWNER
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- (P) INFIELD MIX (HATCHED AREAS)
- (Q) SET OF BASES
- (R) LINE FIELD PER BASELINE LAYOUT

ALL FENCING SHALL BE BLACK VINYL. SEE DETAILS FOR EXACT SPECIFICATIONS FOR EACH ITEM ABOVE.

NATURAL TURF OUTFIELD SHALL BE TIFTWAY 419 BERMUDA GRASS ON ALL FIELDS.



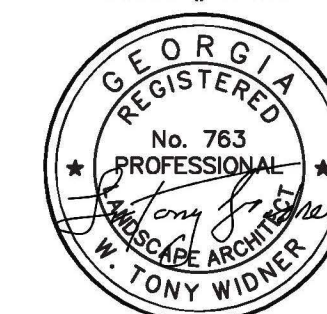
1 TYPICAL CONSTRUCTION FOR 250' FIELD (FIELD #2)



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LEVEL II CERTIFICATION
GSWCC # 24610



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WWW.WIDNER-ASSOC.COM

250' FIELD SITE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME _____ DRAWING # _____

REVISIONS:

- 1.
- 2.
- 3.
- 4.

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

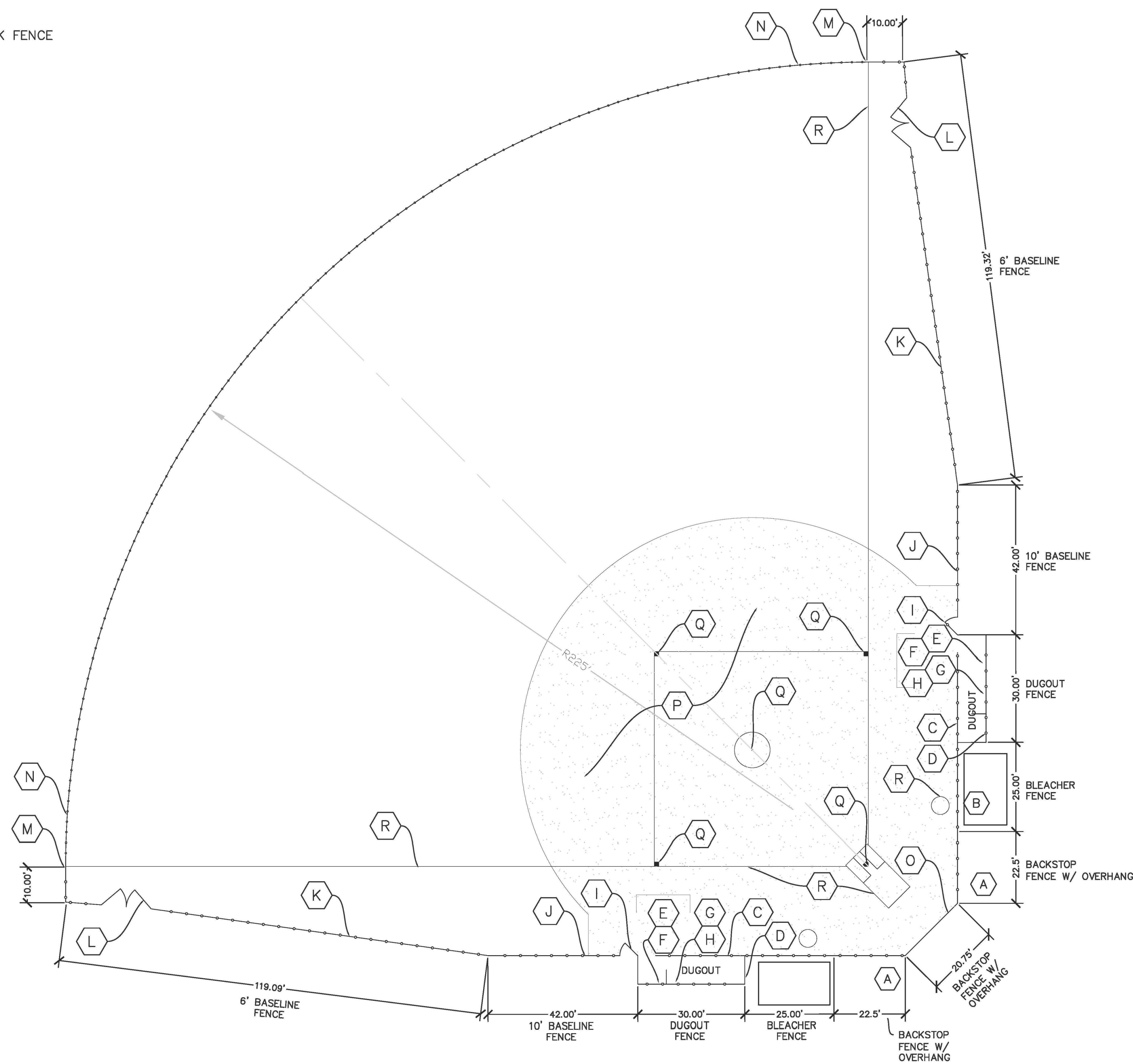
SHEET C-5
SCALE: 1" = 20'
APPROV. _____

KEY NOTES FOR FIELDS #6

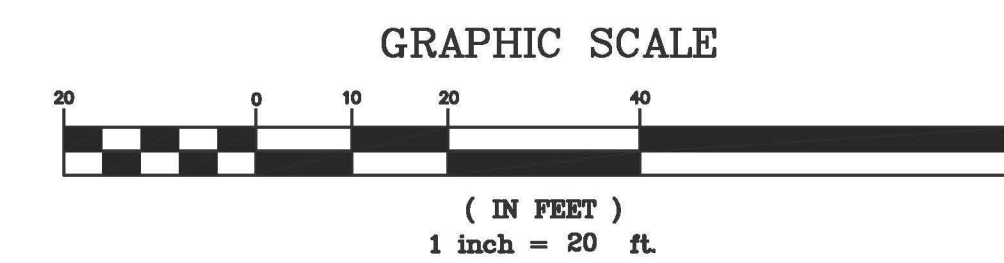
- (A) BACKSTOP FENCE 20' HT. WITH OVERHANG ABOVE, SEE BACKSTOP AND FENCE DETAIL
- (B) BLEACHER FENCE, 20' HT. SEE BACKSTOP AND FENCE DETAIL
- (C) DUGOUT FENCE, 20' HT. SEE BACKSTOP AND FENCE DETAIL
- (D) DUGOUT ENCLOSURE - BLACK VINYL CHAIN LINK FENCE
- (E) HELMET RACK
- (F) BAT RACK
- (G) COACHES' SHELF
- (H) 21' DUGOUT BENCH - COLOR BY OWNER
- (I) 5' GATE - 10' HT.
- (J) BASELINE FENCE - 10' HT.
- (K) BASELINE FENCE - 6' HT.
- (L) 14' DOUBLE LEAF GATE (7' EA.) - 6' HT.
- (M) FOUL POLES TO BE REPLACED WITH 20'-0" PROFESSIONAL FOUL POLE
- (N) OUTFIELD FENCE - 8'-0" HT.
- (O) BACKSTOP PADDING - 3' HT. X 12' L
- (P) INFIELD MIX (HATCHED AREAS)
- (Q) SET OF BASES
- (R) LINE FIELD PER BASELINE LAYOUT

ALL FENCING SHALL BE BLACK VINYL. SEE DETAILS FOR EXACT SPECIFICATIONS FOR EACH ITEM ABOVE.

NATURAL TURF OUTFIELD SHALL BE TIFTWAY 419 BERMUDA GRASS ON ALL FIELDS.



1 TYPICAL CONSTRUCTION FOR 225' FIELD (FIELD #6)



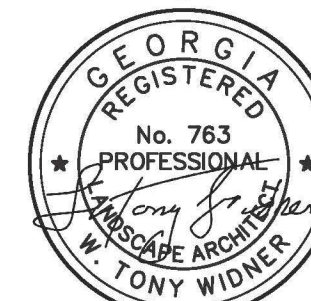
STAMP HERE FOR DEPARTMENT APPROVAL
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LEVEL II CERTIFICATION
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WWW.WIDNER-ASSOC.COM

225' FIELD SITE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 07/29/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-6
SCALE: 1" = 20'
APPROV. _____

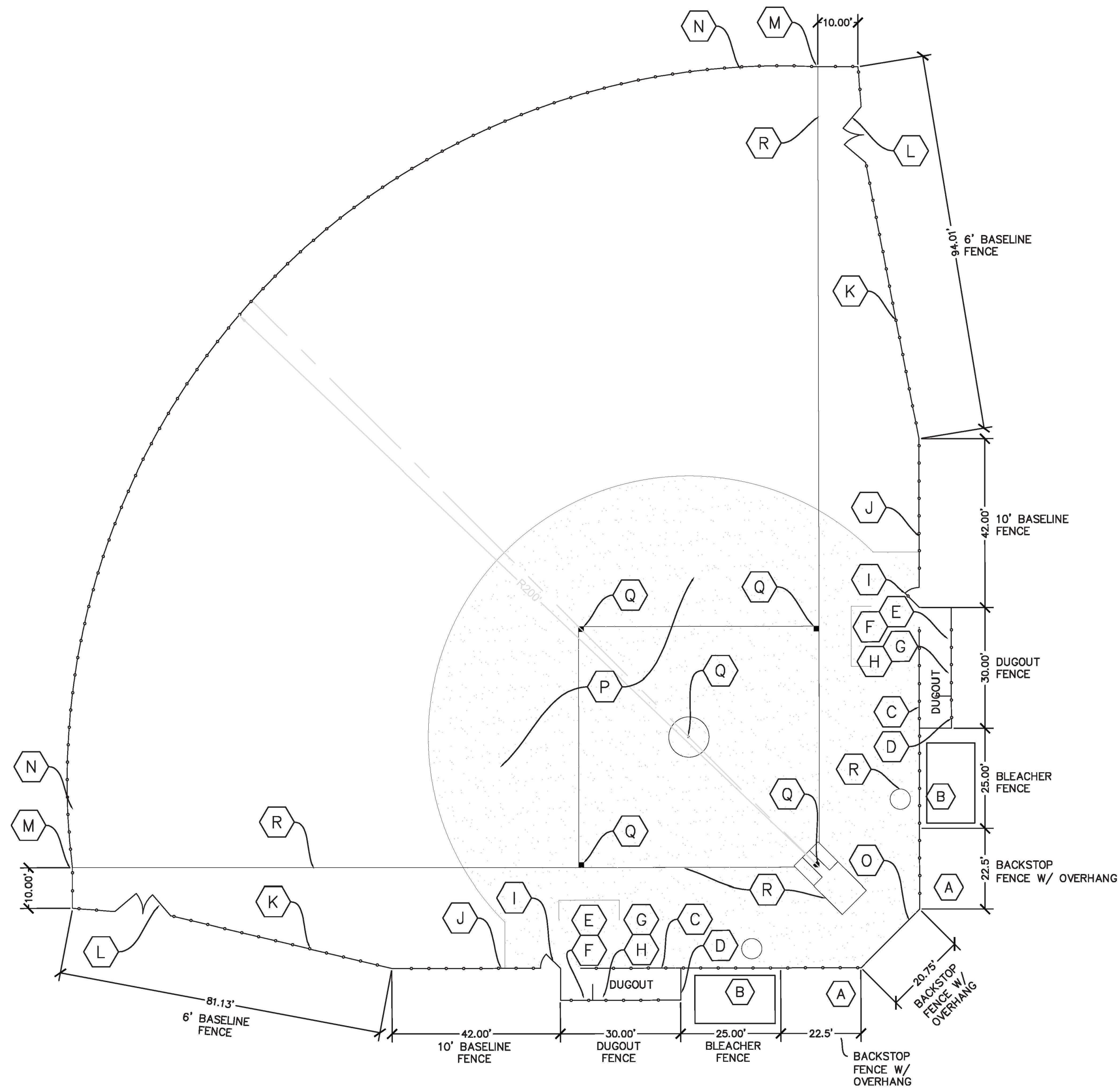
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KEY NOTES FOR FIELDS #4, AND #5

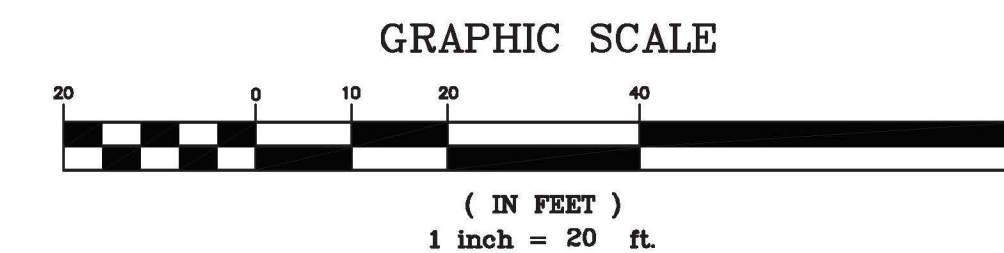
- (A) BACKSTOP FENCE 20' HT. WITH OVERHANG ABOVE, SEE BACKSTOP AND FENCE DETAIL
- (B) BLEACHER FENCE, 20' HT. SEE BACKSTOP AND FENCE DETAIL
- (C) DUGOUT FENCE, 20' HT. SEE BACKSTOP AND FENCE DETAIL
- (D) DUGOUT ENCLOSURE - BLACK VINYL CHAIN LINK FENCE
- (E) HELMET RACK
- (F) BAT RACK
- (G) COACHES' SHELF
- (H) 21' DUGOUT BENCH - COLOR BY OWNER
- (I) 5' GATE - 10' HT.
- (J) BASELINE FENCE - 10' HT.
- (K) BASELINE FENCE - 6' HT.
- (L) 14' DOUBLE LEAF GATE (7' EA.) - 6' HT.
- (M) FOUL POLES TO BE REPLACED WITH 20'-0" PROFESSIONAL FOUL POLE
- (N) OUTFIELD FENCE - 8' HT.
- (O) BACKSTOP PADDING - 3' HT. X 12' L
- (P) INFIELD MIX (HATCHED AREAS)
- (Q) SET OF BASES
- (R) LINE FIELD PER BASELINE LAYOUT

ALL FENCING SHALL BE BLACK VINYL. SEE DETAILS FOR EXACT SPECIFICATIONS FOR EACH ITEM ABOVE.

NATURAL TURF OUTFIELD SHALL BE TIFTWAY 419 BERMUDA GRASS ON ALL FIELDS.



1 TYPICAL CONSTRUCTION FOR 200' FIELD (FIELDS #4, #5)



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LEVEL II CERTIFICATION
GSWCC # 24610



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200' FIELD SITE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-7
SCALE: 1" = 20'
APPROV. _____

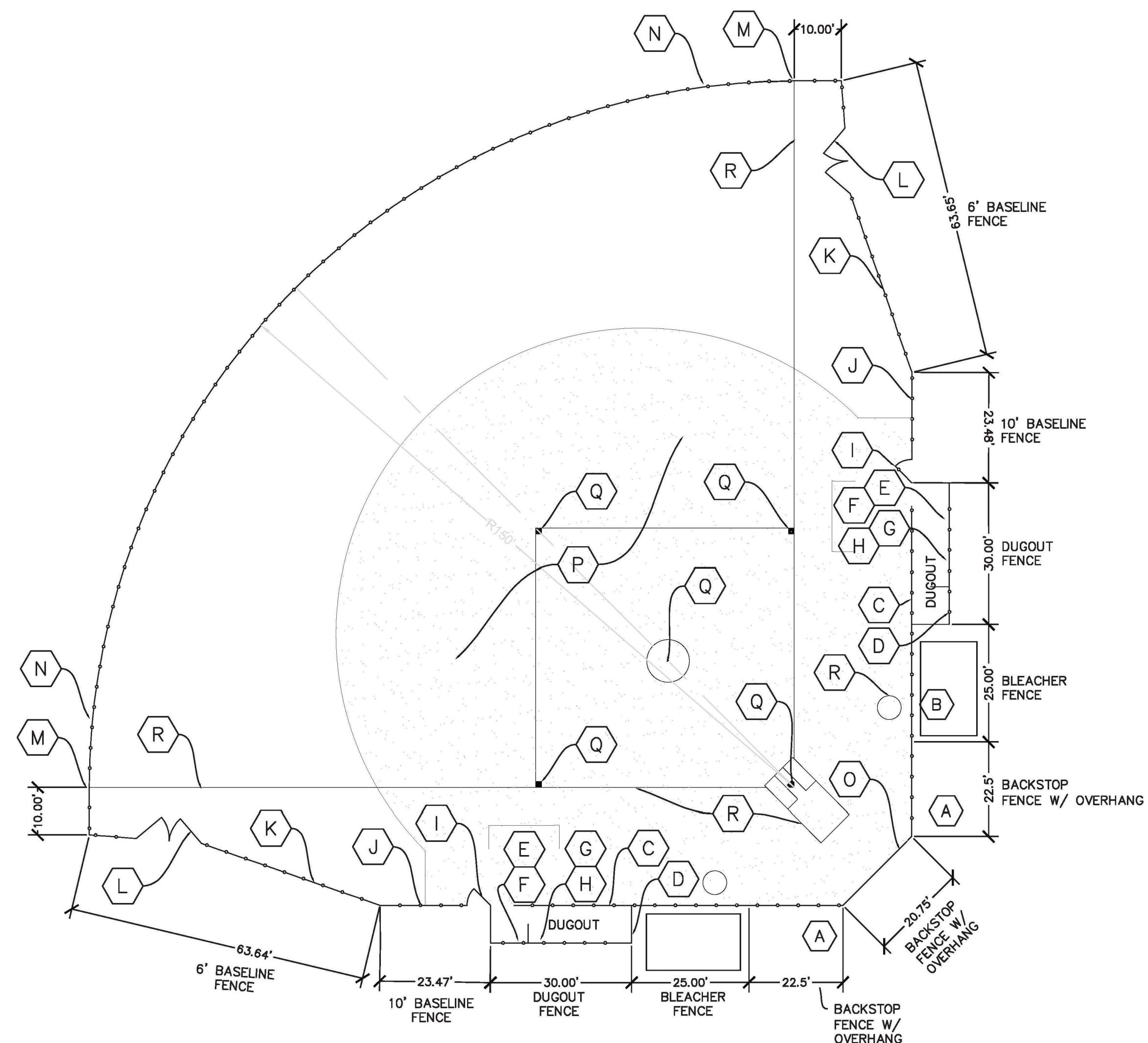
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KEY NOTES FOR FIELDS #1

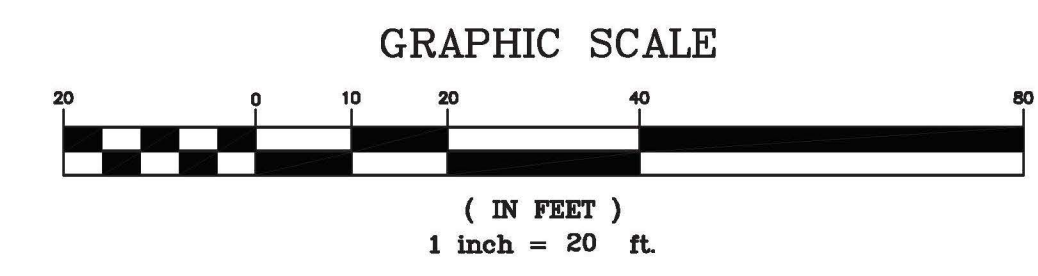
- (A) BACKSTOP FENCE 20' HT. WITH OVERHANG ABOVE, SEE BACKSTOP AND FENCE DETAIL
- (B) BLEACHER FENCE, 20' HT. SEE BACKSTOP AND FENCE DETAIL
- (C) DUGOUT FENCE, 20' HT. SEE BACKSTOP AND FENCE DETAIL
- (D) DUGOUT ENCLOSURE - BLACK VINYL CHAIN LINK FENCE
- (E) HELMET RACK
- (F) BAT RACK
- (G) COACHES' SHELF
- (H) 21' DUGOUT BENCH - COLOR BY OWNER
- (I) 5' GATE - 10' HT.
- (J) BASELINE FENCE - 10' HT.
- (K) BASELINE FENCE - 6' HT.
- (L) 14' DOUBLE LEAF GATE (7' EA.) - 6' HT.
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- (R) LINE FIELD PER BASELINE LAYOUT

ALL FENCING SHALL BE BLACK VINYL. SEE DETAILS FOR EXACT SPECIFICATIONS FOR EACH ITEM ABOVE.

NATURAL TURF OUTFIELD SHALL BE TIFTWAY 419 BERMUDA GRASS ON ALL FIELDS.



1 TYPICAL CONSTRUCTION FOR 150' FIELD (FIELD #1)



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 WEBSITE: www.widner-associates.com

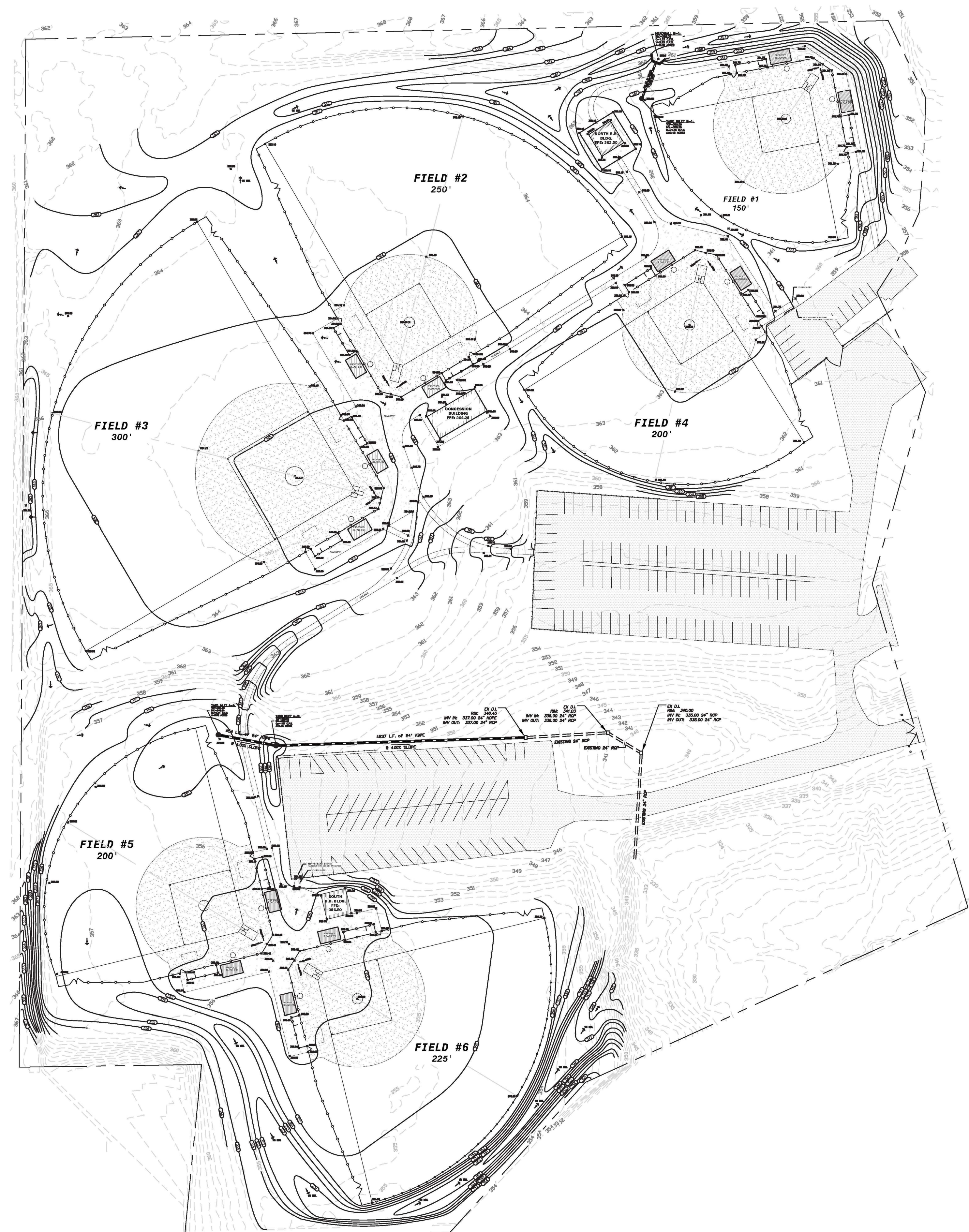
150' FIELD SITE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160

DATE: 06/01/2021
 DRAWN BY: FRH
 CHECKED BY: WTW
 PROJECT #: 9999-012

SHEET C-8
 SCALE: 1" = 20'
 APPROV. _____

LEGEND FOR ALL C SHEETS

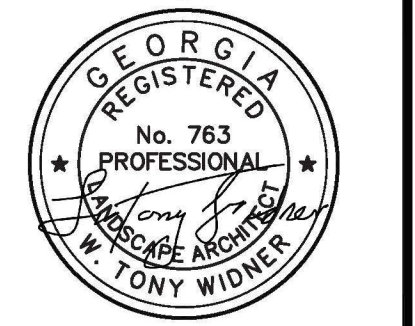
DWS	INDICATES COLD WATER SUPPLY LINE	HW	INDICATES HORIZONTAL MONITORING WELL
DWR	INDICATES COLD WATER RETURN LINE	GM	INDICATES GAS METER
TP	INDICATES TYPICAL	GV	INDICATES GAS VALVE
GL	INDICATES GRATE INLET	GL	INDICATES GAS LINE
PWL	INDICATES POWER	FW	INDICATES FIRE HYDRANT
GTR	INDICATES GUTTER	WM	INDICATES WATER METER
INV	INDICATES INVERT	WV	INDICATES WATER VALVE
H&E	INDICATES HORIZONTAL	C.O.	INDICATES CLEAN OUT
FFE	INDICATES FINISHED FLOOR ELEVATION	SVM	INDICATES SEWER VALVE
EQUP	INDICATES EQUIPMENT	CS	INDICATES CABLE PEDISTAL
MECH	INDICATES MECHANICAL	CB	INDICATES CURB
SS	INDICATES SANITARY SEWER	BP	INDICATES BLANKET POST
MH	INDICATES MANHOLE	BS	INDICATES BORING
BLDG	INDICATES BUILDING	LP	INDICATES LIGHT POLE
CONC	INDICATES CONCRETE	PS	INDICATES POWER BOX
R.C.P.	INDICATES REINFORCED CONCRETE PIPE	CLF	INDICATES CHAIN LINK FENCE
CMP	INDICATES CORRUGATED METAL PIPE	SLF	INDICATES SILT FENCE
PPC	INDICATES POWER POLE	TP	INDICATES TELEPHONE PEDISTAL
GW	INDICATES GUY WIRE	SE	INDICATES SPOT ELEVATION
OHP	INDICATES OVERHEAD POWER LINE	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
UG	INDICATES UNDERGROUND ELECTRIC	FP	INDICATES FLEXIBLE (ASPHALT) PAVEMENT
UM	INDICATES UNDERGROUND WATER MAIN	RP	INDICATES ROAD PAVEMENT
US	INDICATES UNDERGROUND SANITARY SEWER LINE	TR	INDICATES TRANSFORMER (DPM)
UC	INDICATES UNDERGROUND COMMUNICATION LINE		
UW	INDICATES UNDERGROUND GAS MAIN		
UL	INDICATES UNKNOWN UNDERGROUND UTILITY		
STP	INDICATES STEAM PIPE (THERMAL UTILITY)		
GM	INDICATES G.P. METER		
CS	INDICATES C.P. FEED		
CB	INDICATES SANITARY SEWER CLEANOUT		



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LEVEL II CERTIFICATION
GSWCC # 24610

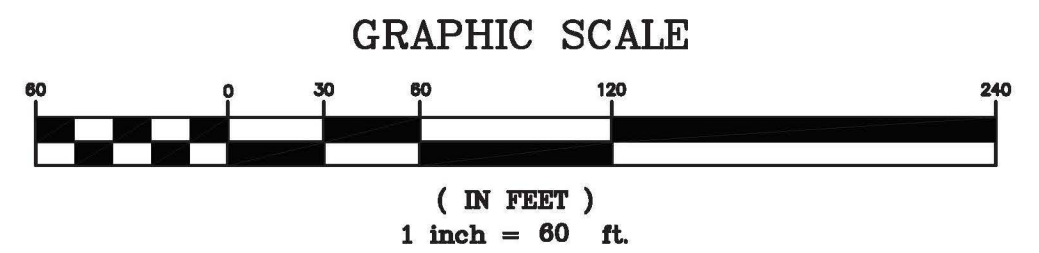
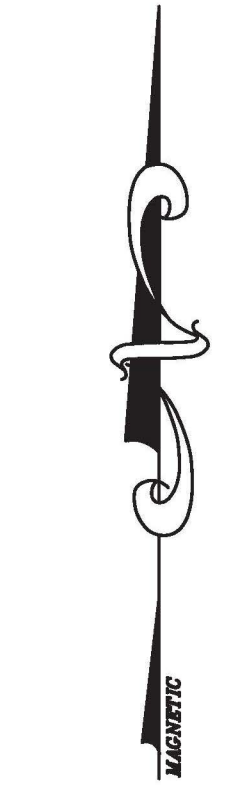


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LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	100
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	~~~~~
PROPOSED SANITARY SEWER W/MANHOLE	—●—
WATER W/FIRE HYDRANT	—FH—
PROPOSED WATER VALVE	—X—
PROPOSED WATER METER	—■—
PROPOSED STORM W/INLETS & HEADWALL	—CB— DWCB SWCB HW
SLOPE	—S—>



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EMAIL: widner@widner-usac.com WEBSITE: www.widner-usac.com

OVERALL GRADING AND DRAINAGE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 07/30/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-9
SCALE: 1" = 60'
APPROV. _____

LEGEND FOR ALL C SHEETS

CVR	INDICATES COLD WATER SUPPLY LINE	—○—	INDICATES STORM DRAIN
CVR	INDICATES COLD WATER RETURN LINE	—○—	INDICATES HORIZONTAL MONITORING WELL
TYR	INDICATES TYPICAL	—○—	INDICATES GAS METER
GI	INDICATES GRATE INLET	—○—	INDICATES GAS VALVE
PWR	INDICATES POWER	—○—	INDICATES GAS LINE
GR	INDICATES GUTTER	—○—	INDICATES FIRE HYDRANT
INV	INDICATES INVERT	—○—	INDICATES WATER METER
HEZ	INDICATES HORIZONTAL	—○—	INDICATES CLEAN OUT
FFE	INDICATES FINISHED FLOOR ELEVATION	—○—	INDICATES SEWER VALVE
EQUIP	INDICATES EQUIPMENT	—○—	INDICATES CABLE PEDestal
MECH	INDICATES MECHANICAL	—○—	INDICATES SUMP POST
SS	INDICATES SANITARY SEWER	—○—	INDICATES BORING
MH	INDICATES MANHOLE	—○—	INDICATES LIGHT POLE
BLDG	INDICATES BUILDING	—○—	INDICATES POWER BOX
CONC	INDICATES CONCRETE	—○—	INDICATES CHAIN LINK FENCE
REIN	INDICATES REINFORCED CONCRETE PIPE	—○—	INDICATES SILE FENCE
CMP	INDICATES CORRUGATED METAL PIPE	—○—	INDICATES TELEPHONE PEDestal
PHC	INDICATES POWER POLE	—○—	INDICATES SPOT ELEVATION
GUY	INDICATES GUY WIRE	—○—	INDICATES ROAD AREAS FOR DEMOLITION / REMOVAL
OHP	INDICATES OVERHEAD POWER LINE	—○—	INDICATES FLEXIBLE (ASPHALT) PAVEMENT
UG	INDICATES UNDERGROUND ELECTRIC	—○—	INDICATES ROAD PAVEMENT
UW	INDICATES UNDERGROUND WATER MAIN	—○—	INDICATES TRANSFORMER (PTR)
US	INDICATES UNDERGROUND SANITARY SEWER LINE	—○—	
UC	INDICATES UNDERGROUND COMMUNICATION LINE	—○—	
UW	INDICATES UNDERGROUND GAS MAIN	—○—	
UW	INDICATES UNKNOWN UNDERGROUND UTILITY	—○—	
STP	INDICATES STEAM PIPE (THERMAL UTILITY)	—○—	
Q.P.	INDICATES Q.P. METER	—○—	
Q.P.	INDICATES Q.P. TEST	—○—	
Q.P.	INDICATES SANITARY SEWER CLEANOUT	—○—	



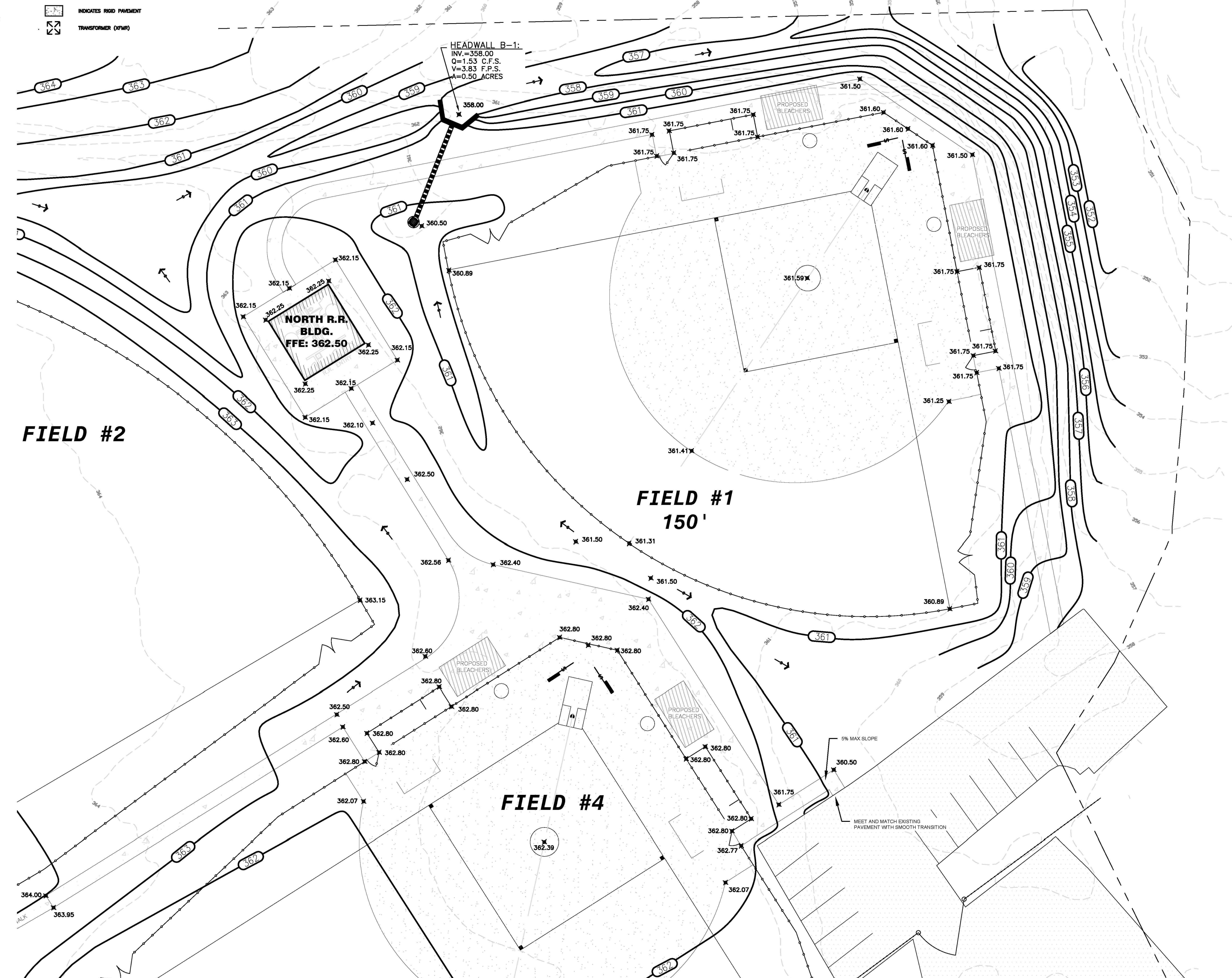
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LEVEL II CERTIFICATION
GSWCC # 24610

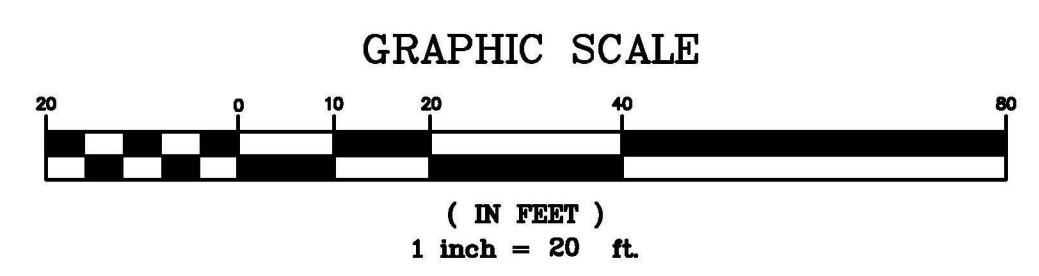


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LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF ○
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	100
UTILITY POLE W/GUY WIRE	PP ○ ---
LIGHT POLE	LP ○
TELEPHONE/SERVICE POLE	TP/SP ○
OVERHEAD POWER	OHP ---
UNDERGROUND TELEPHONE	UGT ---
WATER LINE	W ---
SANITARY SEWER	SS ---
FENCE	X-X-X
STREAM OR CREEK	~ ~ ~
PROPOSED SANITARY SEWER W/MANHOLE	—○—
WATER W/FIRE HYDRANT	—○—
PROPOSED WATER VALVE	—○—
PROPOSED WATER METER	—○—
PROPOSED STORM W/INLETS & HEADWALL	—○—
SLOPE	—○—



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REVISIONS:

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P.O. BOX 02 MACON, GEORGIA 31202
TEL: (478) 748-2010 FAX: (478) 748-2010
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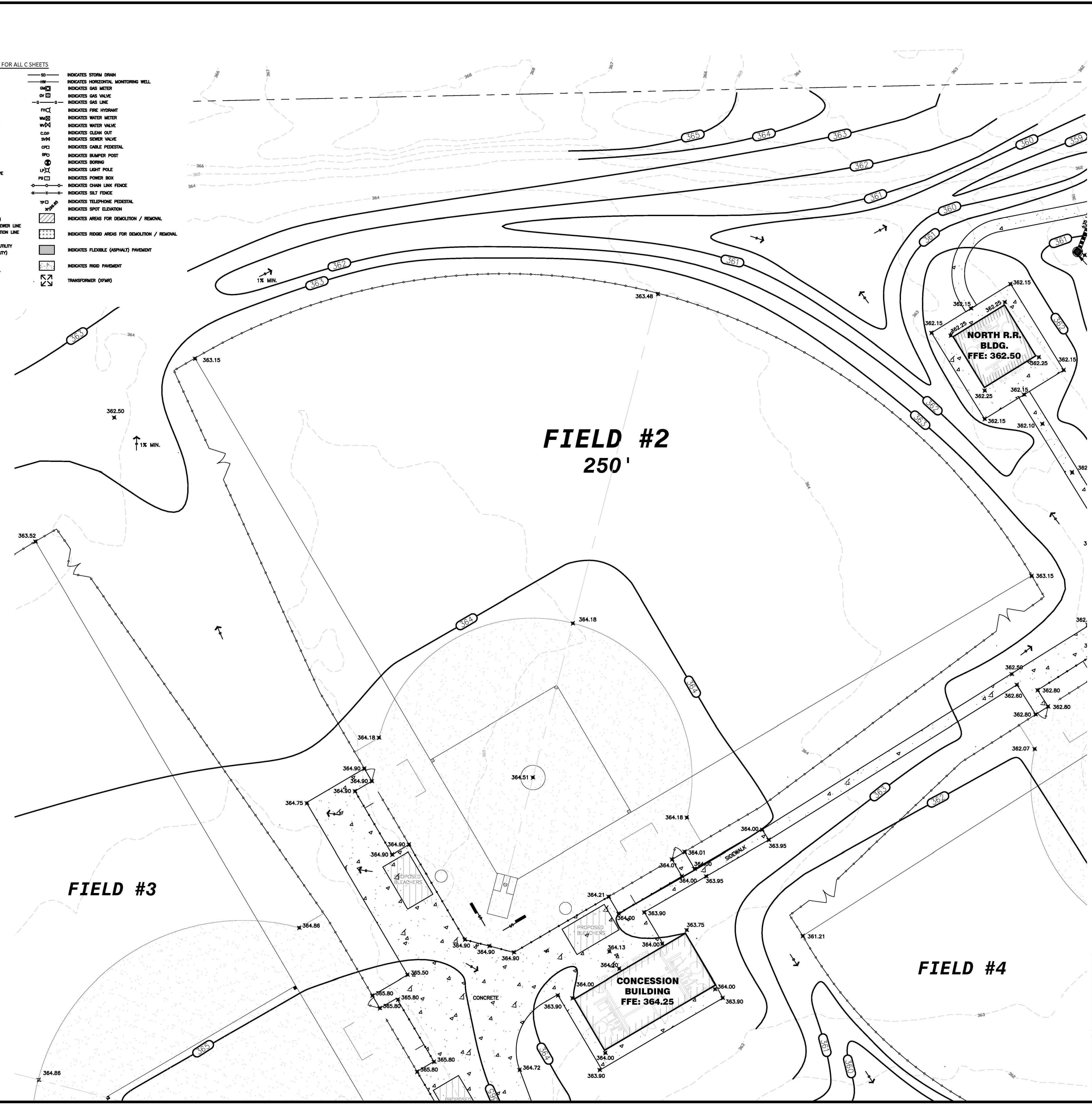
FIELD #1 GRADING AND DRAINAGE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160 4TH LAND DISTRICT

DATE: 07/30/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-10
SCALE: 1" = 20'
APPROV. _____

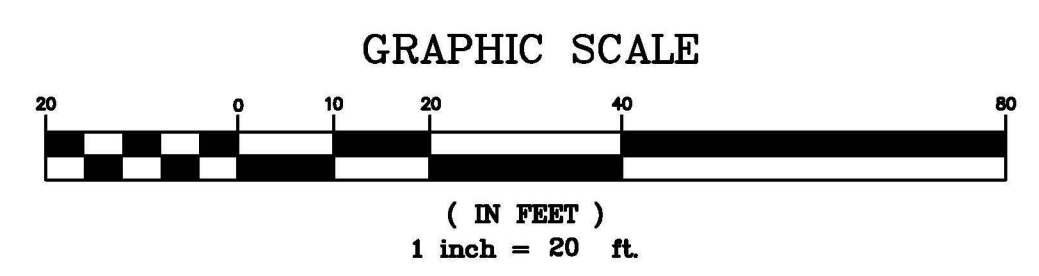
LEGEND FOR ALL C SHEETS

CVR	INDICATES COLD WATER SUPPLY LINE	—SD—	INDICATES STORM DRAIN
CVR	INDICATES COLD WATER RETURN LINE	—HM—	INDICATES HORIZONTAL MONITORING WELL
TYP.	INDICATES TYPICAL	—GM—	INDICATES GAS METER
IL	INDICATES GRATE INLET	—GV—	INDICATES GAS VALVE
PWA	INDICATES POWER	—GL—	INDICATES GAS LINE
GTR	INDICATES GUTTER	—FH—	INDICATES FIRE HYDRANT
INV.	INDICATES INVERT	—WM—	INDICATES WATER METER
HEZ.	INDICATES HORIZONTAL	—WV—	INDICATES WATER VALVE
FFE	INDICATES FINISHED FLOOR ELEVATION	—C.O.—	INDICATES CLEAN OUT
EQSP.	INDICATES EQUIPMENT	—SV—	INDICATES SEWER VALVE
MECH.	INDICATES MECHANICAL	—C.P.—	INDICATES CABLE PEDESTAL
S.S.	INDICATES SANITARY SEWER	—B.P.—	INDICATES BUMPER POST
M.H.	INDICATES MANHOLE	—B.—	INDICATES BORING
B.M.	INDICATES BENCHMARK	—L.P.—	INDICATES LIGHT POLE
CONC.	INDICATES CONCRETE	—P.B.—	INDICATES POWER BOX
R.C.P.	INDICATES REINFORCED CONCRETE PIPE	—C.L.F.—	INDICATES CHAIN LINK FENCE
C.M.P.	INDICATES CORRUGATED METAL PIPE	—S.F.—	INDICATES SILT FENCE
P.H.T.	INDICATES POWER POLE	—T.P.—	INDICATES TELEPHONE PEDESTAL
GUY	INDICATES GUY WIRE	—S.E.—	INDICATES SPOT ELEVATION
—OHP—	INDICATES OVERHEAD POWER LINE	—D.A.—	INDICATES AREAS FOR DEMOLITION / REMOVAL
—UE—	INDICATES UNDERGROUND ELECTRIC	—F.A.—	INDICATES FLEXIBLE (ASPHALT) PAVEMENT
—WM—	INDICATES UNDERGROUND WATER MAIN	—R.P.—	INDICATES ROAD PAVEMENT
—SS—	INDICATES UNDERGROUND SANITARY SEWER LINE	—T.—	INDICATES TRANSFORMER (D.F.M.)
—UCM—	INDICATES UNDERGROUND COMMUNICATION LINE		
—G—	INDICATES UNDERGROUND GAS MAIN		
—UGT—	INDICATES UNKNOWN UNDERGROUND UTILITY		
—SP—	INDICATES STEAM PIPE (THERMAL UTILITY)		
—G.P.—	INDICATES G.P. METER		
—G.P.—	INDICATES G.P. FEED		
—C.—	INDICATES SANITARY SEWER CLEANOUT		



LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	---100---
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	—OHP—
UNDERGROUND TELEPHONE	—UGT—
WATER LINE	—W—
SANITARY SEWER	—SS—
FENCE	—X—X—X—
STREAM OR CREEK	—S—S—S—
PROPOSED SANITARY SEWER W/MANHOLE	—S—S—S—
WATER W/FIRE HYDRANT	—FH—
PROPOSED WATER VALVE	—V—
PROPOSED WATER METER	—M—
PROPOSED STORM W/INLETS & HEADWALL	—CB, DWCB, SWCB, HW—
SLOPE	—S—



STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME _____ DRAWING # _____

REVISIONS:
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LEVEL II CERTIFICATION
GSWCC # 24610



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FIELD #2 GRADING AND DRAINAGE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160 4TH LAND DISTRICT

DATE: 07/30/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-11
SCALE: 1" = 20'
APPROV. _____

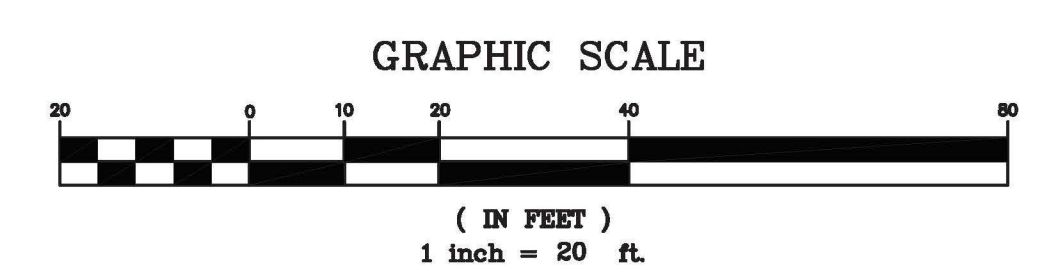
LEGEND FOR ALL C SHEETS

CVR	INDICATES COLD WATER SUPPLY LINE	SD	INDICATES STORM DRAIN
CVR	INDICATES COLD WATER RETURN LINE	HM	INDICATES HORIZONTAL MONITORING WELL
TL	INDICATES TYPICAL	GM	INDICATES GAS METER
SL	INDICATES GRAVE SILET	GV	INDICATES GAS VALVE
PWL	INDICATES POWER	GL	INDICATES GAS LINE
STR	INDICATES GUTTER	PHC	INDICATES FIRE HYDRANT
HW	INDICATES HWY	WM	INDICATES WATER METER
HRZ	INDICATES HORIZONTAL	WV	INDICATES WATER VALVE
FYE	INDICATES FINISHED FLOOR ELEVATION	COO	INDICATES CLEAN OUT
EQP	INDICATES EQUIPMENT	SMV	INDICATES SERVICE VALVE
MECH	INDICATES MECHANICAL	CPD	INDICATES CABLE PEDESTAL
SS	INDICATES SANITARY SEWER	BP	INDICATES BUMPER POST
MH	INDICATES MANHOLE	BO	INDICATES BORING
BLD	INDICATES BUILDING	LP	INDICATES LIGHT POLE
CONC	INDICATES CONCRETE	PSB	INDICATES POWER BOX
R.C.P.	INDICATES REINFORCED CONCRETE PIPE	FW	INDICATES CHAIN LINK FENCE
C.M.P.	INDICATES CORRUGATED METAL PIPE	SLF	INDICATES SILT FENCE
PPC	INDICATES POWER POLE	TP	INDICATES TELEPHONE PEDESTAL
OWP	INDICATES OVERHEAD POWER LINE	SE	INDICATES SPOT ELEVATION
USE	INDICATES UNDERGROUND ELECTRIC	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
UM	INDICATES UNDERGROUND WATER MAIN	RA	INDICATES ROAD AREAS FOR DEMOLITION / REMOVAL
US	INDICATES UNDERGROUND SANITARY SEWER LINE	FP	INDICATES FLEXIBLE (ASPHALT) PAVEMENT
UC	INDICATES UNDERGROUND COMMUNICATION LINE	RP	INDICATES ROAD PAVEMENT
UG	INDICATES UNDERGROUND GAS MAIN	TR	INDICATES TRANSFORMER (DOW)
UUT	INDICATES UNKNOWN UNDERGROUND UTILITY		
SP	INDICATES STEAM PIPE (THERMAL UTILITY)		
GM	INDICATES G.P. METER		
CP	INDICATES C.P. FEED		
CS	INDICATES SANITARY SEWER CLEANOUT		



LEGEND

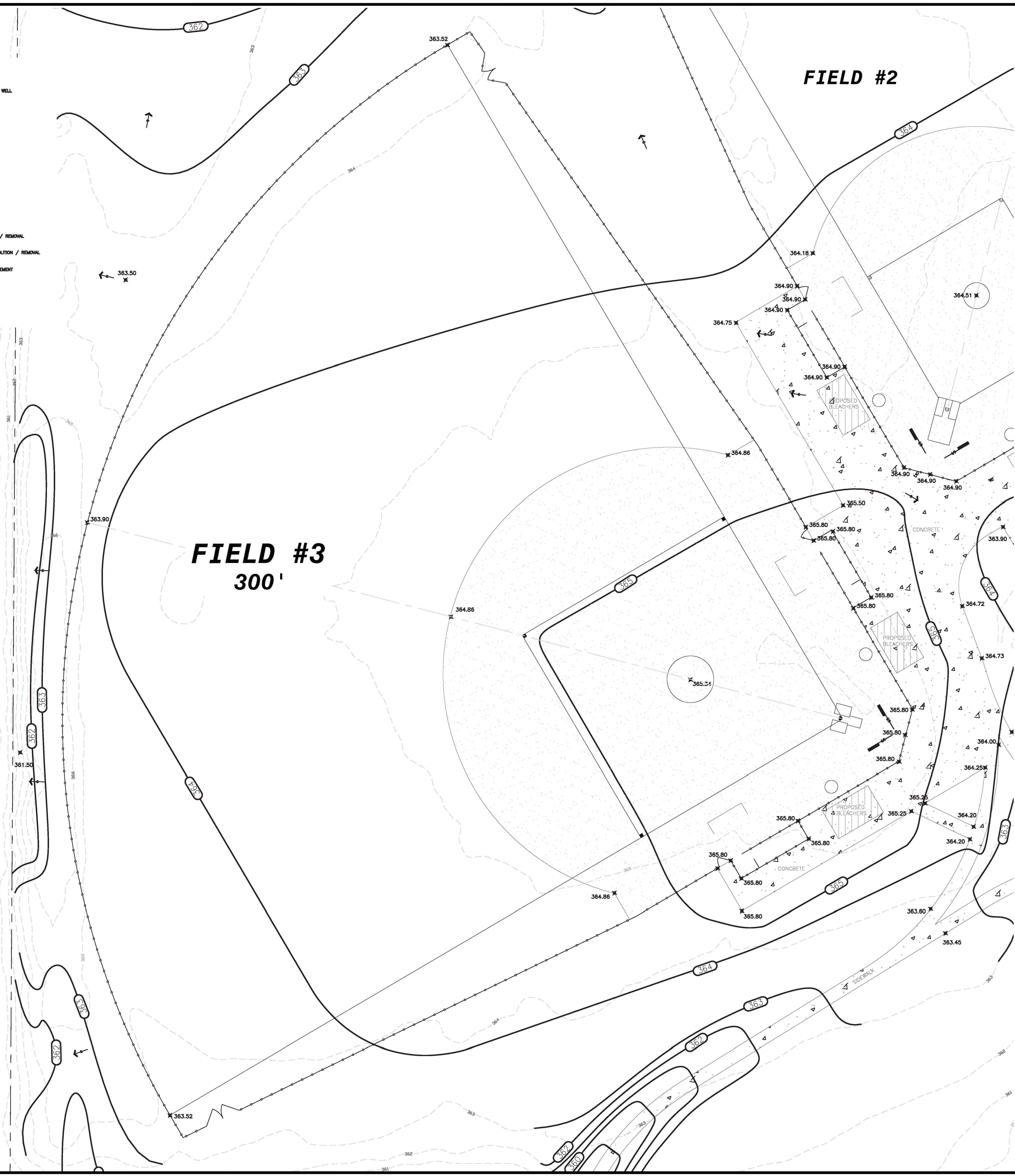
PROPERTY LINE	---
IRON PIN FOUND	IP
EXISTING CONTOUR	100
PROPOSED CONTOUR	100
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	---
PROPOSED SANITARY SEWER W/MANHOLE	SS
WATER W/FIRE HYDRANT	FH
PROPOSED WATER VALVE	WV
PROPOSED WATER METER	WM
PROPOSED STORM W/INLETS & HEADWALL	CB, DWCB, SWCB, HW
SLOPE	S



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EMAIL: widner@widner-usa.com

FIELD #3 GRADING AND DRAINAGE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160 4TH LAND DISTRICT

DATE: 07/30/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-12
SCALE: 1" = 20'
APPROV. _____

LEGEND FOR ALL C SHEETS

CWS	INDICATES COLD WATER SUPPLY LINE	SD	INDICATES STORM DRAIN
CWR	INDICATES COLD WATER RETURN LINE	HW	INDICATES HORIZONTAL MONITORING WELL
TPV	INDICATES TYPICAL	GM	INDICATES GAS METER
GI	INDICATES GRATE INLET	GV	INDICATES GAS VALVE
PAW	INDICATES POWER	PL	INDICATES GAS LINE
GTW	INDICATES GUTTER	PHW	INDICATES FIRE HYDRANT
INV	INDICATES INVERT	WM	INDICATES WATER METER
HEG	INDICATES HORIZONTAL	WV	INDICATES WATER VALVE
FFE	INDICATES FINISHED FLOOR ELEVATION	COP	INDICATES CLEAN OUT
EQUIP	INDICATES EQUIPMENT	SVW	INDICATES SEWER VALVE
MCHA	INDICATES MECHANICAL	CFD	INDICATES CHUTE FEEDER
SS	INDICATES SANITARY SEWER	RFD	INDICATES RUMPER POST
MH	INDICATES MANHOLE	BO	INDICATES BORING
BLDG	INDICATES BUILDING	LP	INDICATES LIGHT POLE
CONC	INDICATES CONCRETE	PB	INDICATES POWER BOX
R.C.P.	INDICATES REINFORCED CONCRETE PIPE	CL	INDICATES CHAIN LINK FENCE
CMP	INDICATES CORRUGATED METAL PIPE	TP	INDICATES TELEPHONE PEDESTAL
PPCT	INDICATES POWER POLE	SE	INDICATES SPOT ELEVATION
GUY	INDICATES GUY WIRE	DEM	INDICATES AREAS FOR DEMOLITION / REMOVAL
OHP	INDICATES OVERHEAD POWER LINE	URD	INDICATES UNDERGROUND UTILITY
UGT	INDICATES UNDERGROUND ELECTRIC	URD	INDICATES UNDERGROUND WATER MAIN
SS	INDICATES UNDERGROUND SANITARY SEWER LINE	URD	INDICATES UNDERGROUND GAS MAIN
URD	INDICATES UNDERGROUND COMMUNICATION LINE	URD	INDICATES UNKNOWN UNDERGROUND UTILITY
URD	INDICATES UNDERGROUND WATER MAIN	URD	INDICATES STEAM PIPE (THERMAL UTILITY)
URD	INDICATES UNDERGROUND GAS MAIN	URD	INDICATES G.P. FEED
URD	INDICATES UNKNOWN UNDERGROUND UTILITY	URD	INDICATES SANITARY SEWER CLEANOUT
URD	INDICATES STEAM PIPE (THERMAL UTILITY)		
URD	INDICATES G.P. FEED		
URD	INDICATES SANITARY SEWER CLEANOUT		



LEVEL II CERTIFICATION
GSWCC # 24610



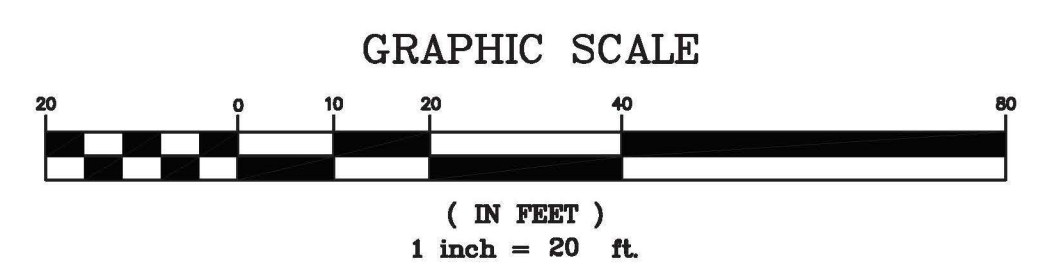
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LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	100
UTILITY POLE W/GUY WIRE	PP/GW
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	~~~~~
PROPOSED SANITARY SEWER W/MANHOLE	---FH---
WATER W/FIRE HYDRANT	W-FH
PROPOSED WATER VALVE	WV
PROPOSED WATER METER	WM
PROPOSED STORM W/INLETS & HEADWALL	CB DWCB SWCB HW
SLOPE	---S---



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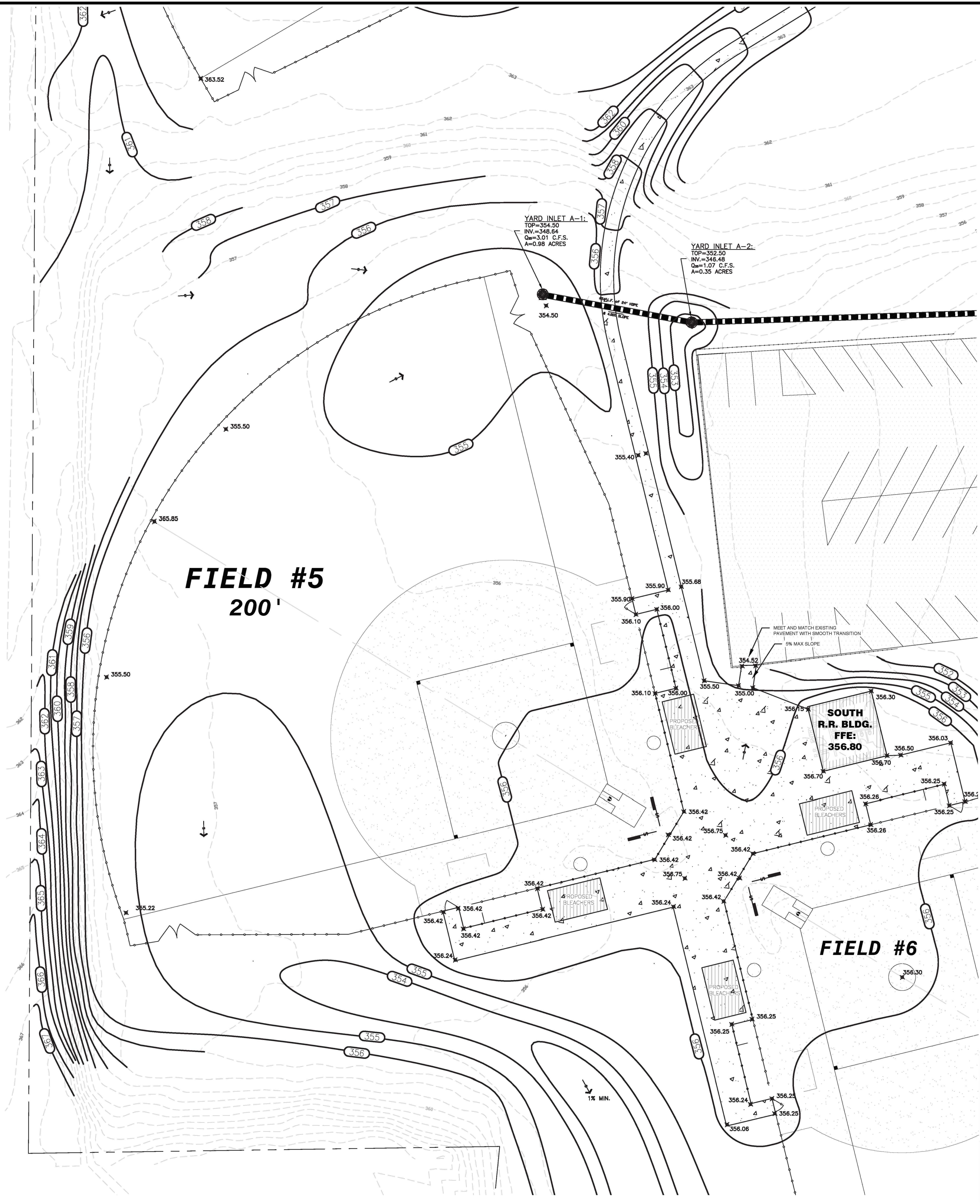
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FIELD #4 GRADING AND DRAINAGE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160 4TH LAND DISTRICT

DATE: 07/30/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012
SHEET C-13
SCALE: 1" = 20'
APPROV. _____

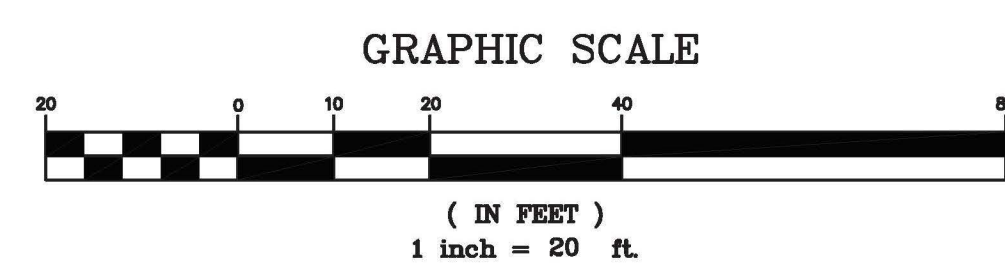
LEGEND FOR ALL C SHEETS

CWS	INDICATES COLD WATER SUPPLY LINE	—SS—	INDICATES STORM DRAIN
CWR	INDICATES COLD WATER RETURN LINE	—HM—	INDICATES HORIZONTAL MONITORING WELL
TPP	INDICATES TYPICAL	GM	INDICATES GAS METER
GL	INDICATES GRATE INLET	GV	INDICATES GAS VALVE
PLR	INDICATES POWER	GL	INDICATES GAS LINE
GTR	INDICATES GUTTER	PHC	INDICATES FIRE HYDRANT
INV	INDICATES INVERT	WM	INDICATES WATER METER
HRS	INDICATES HORIZONTAL	WV	INDICATES WATER VALVE
FFE	INDICATES FINISHED FLOOR ELEVATION	CLO	INDICATES CLEAN OUT
EQUP	INDICATES EQUIPMENT	SVW	INDICATES SPOUR VALVE
MECH	INDICATES MECHANICAL	CHP	INDICATES CHAIR PEDESTAL
SS	INDICATES SANITARY SEWER	RPD	INDICATES RAMPUP POST
MH	INDICATES MANHOLE	BO	INDICATES BORING
BLDG	INDICATES BUILDING	LP	INDICATES LIGHT POLE
CONC	INDICATES CONCRETE	CLWF	INDICATES CHAIN LINK FENCE
R.C.P.	INDICATES REINFORCED CONCRETE PIPE	SLF	INDICATES SLEET FENCE
CAP	INDICATES CORRUGATED METAL PIPE	TPC	INDICATES TELEPHONE PEDESTAL
PPC	INDICATES POWER POLE	SE	INDICATES SPOT ELEVATION
GW	INDICATES GUY WIRE	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
OHP	INDICATES OVERHEAD POWER LINE	AS	INDICATES FLEXIBLE (ASPHALT) PAVEMENT
UG	INDICATES UNDERGROUND ELECTRIC	RP	INDICATES ROAD PAVEMENT
UW	INDICATES UNDERGROUND WATER MAIN	TR	INDICATES TRANSFORMER (TRFM)
USS	INDICATES UNDERGROUND SANITARY SEWER LINE		
UGC	INDICATES UNDERGROUND COMMUNICATION LINE		
UGM	INDICATES UNDERGROUND GAS MAIN		
UUT	INDICATES UNKNOWN UNDERGROUND UTILITY		
STP	INDICATES STEAM PIPE (THERMAL UTILITY)		
G.P.	INDICATES G.P. FEED		
CS	INDICATES SANITARY SEWER CLEANOUT		



LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	100
PROPOSED CONTOUR	100
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	---
PROPOSED SANITARY SEWER W/MANHOLE	SS
WATER W/FIRE HYDRANT	FH
PROPOSED WATER VALVE	WV
PROPOSED WATER METER	WM
PROPOSED STORM W/INLETS & HEADWALL	CB, DWCB, SWCB, HW
SLOPE	S



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FIELD #5 GRADING AND DRAINAGE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

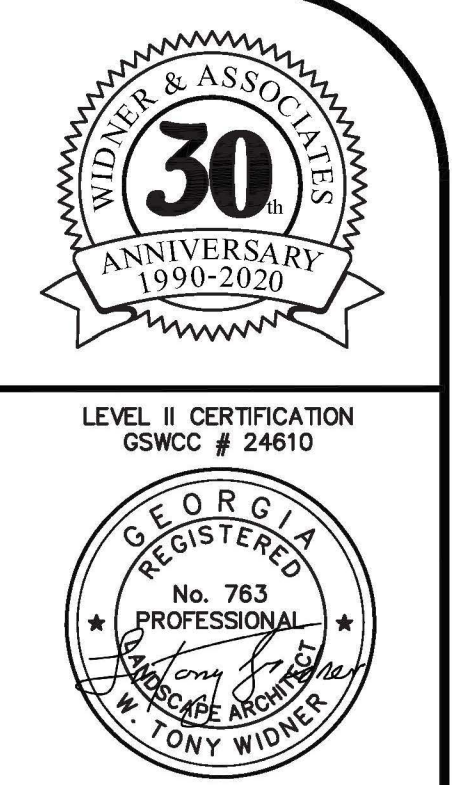
DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-14
SCALE: 1" = 20'
APPROV. _____

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LEGEND FOR ALL C SHEETS

CVR	INDICATES COLD WATER SUPPLY LINE	SD	INDICATES STORM DRAIN
TPR	INDICATES TYPICAL	HM	INDICATES HORIZONTAL MONITORING WELL
SL	INDICATES GRAVE WILET	GM	INDICATES GAS METER
PWR	INDICATES POWER	GV	INDICATES GAS VALVE
GTR	INDICATES GUTTER	GL	INDICATES GAS LINE
HW	INDICATES HYDRANT	FHC	INDICATES FIRE HYDRANT
HRZ	INDICATES HORIZONTAL	WM	INDICATES WATER METER
FFC	INDICATES FINISHED FLOOR ELEVATION	WV	INDICATES WATER VALVE
ESHP	INDICATES EQUIPMENT	CO	INDICATES CLEAN OUT
MECH	INDICATES MECHANICAL	SV	INDICATES SWEER VALVE
SS	INDICATES SANITARY SEWER	CPD	INDICATES CABLE PEDESTAL
MA	INDICATES MANHOLE	BPO	INDICATES BUMPER POST
B.L.C.	INDICATES BUILDING	UB	INDICATES BORING
CONC.	INDICATES CONCRETE	LP	INDICATES LIGHT POLE
R.C.P.	INDICATES REINFORCED CONCRETE PIPE	PS	INDICATES POWER BOX
C.M.P.	INDICATES CORRUGATED METAL PIPE	PL	INDICATES CHAIN LINK FENCE
PPC	INDICATES POWER POLE	TF	INDICATES TILT FENCE
GW	INDICATES GUY WIRE	TPD	INDICATES TELEPHONE PEDESTAL
OHP	INDICATES OVERHEAD POWER LINE	SE	INDICATES SPOT ELEVATION
UG	INDICATES UNDERGROUND ELECTRIC	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
WM	INDICATES UNDERGROUND WATER MAIN	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
SS	INDICATES UNDERGROUND SANITARY SEWER LINE	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
UCM	INDICATES UNDERGROUND COMMUNICATION LINE	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
G	INDICATES UNDERGROUND GAS MAIN	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
UGT	INDICATES UNKNOWN UNDERGROUND UTILITY	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
STP	INDICATES STEAM PIPE (THERMAL UTILITY)	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
OM	INDICATES O.P. METER	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
IF	INDICATES I.P. FEED	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
OC	INDICATES SANITARY SEWER CLEANOUT	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL



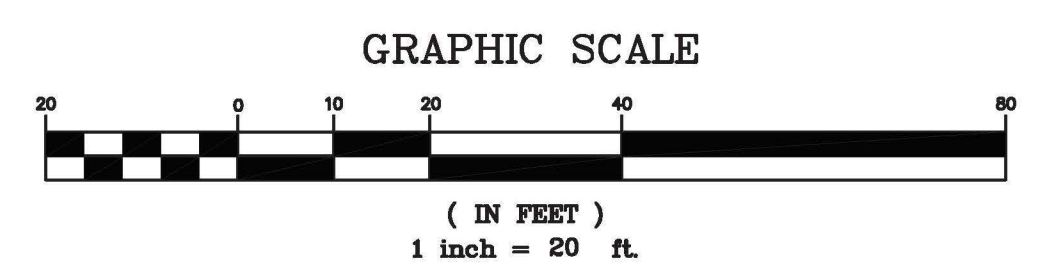
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LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	---100---
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	~~~~~
PROPOSED SANITARY SEWER W/MANHOLE	---●---
WATER W/FIRE HYDRANT	---FH---
PROPOSED WATER VALVE	---X---
PROPOSED WATER METER	---M---
PROPOSED STORM W/INLETS & HEADWALL	---CB, DWCB, SWCB, HW---
SLOPE	---S---



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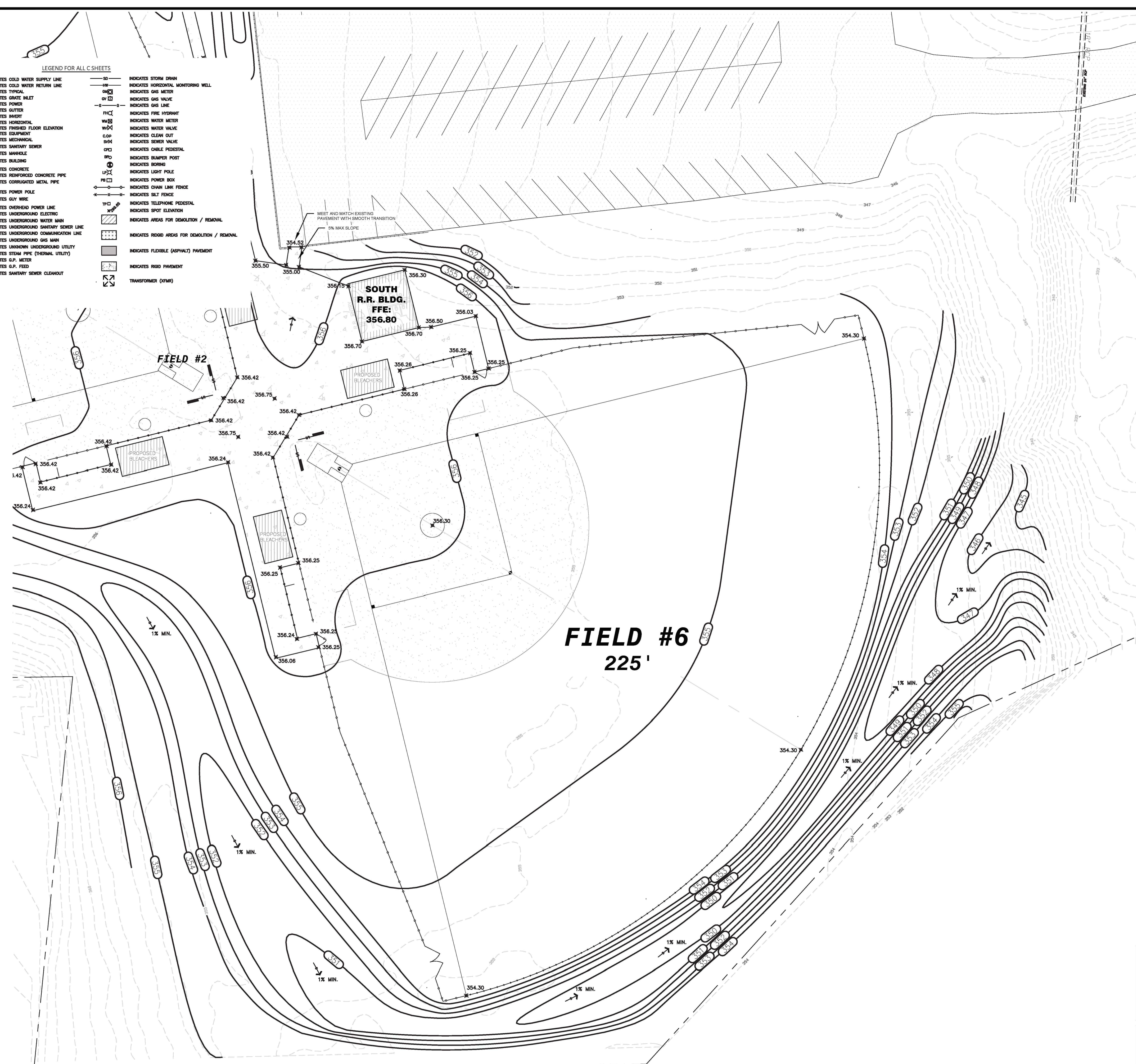
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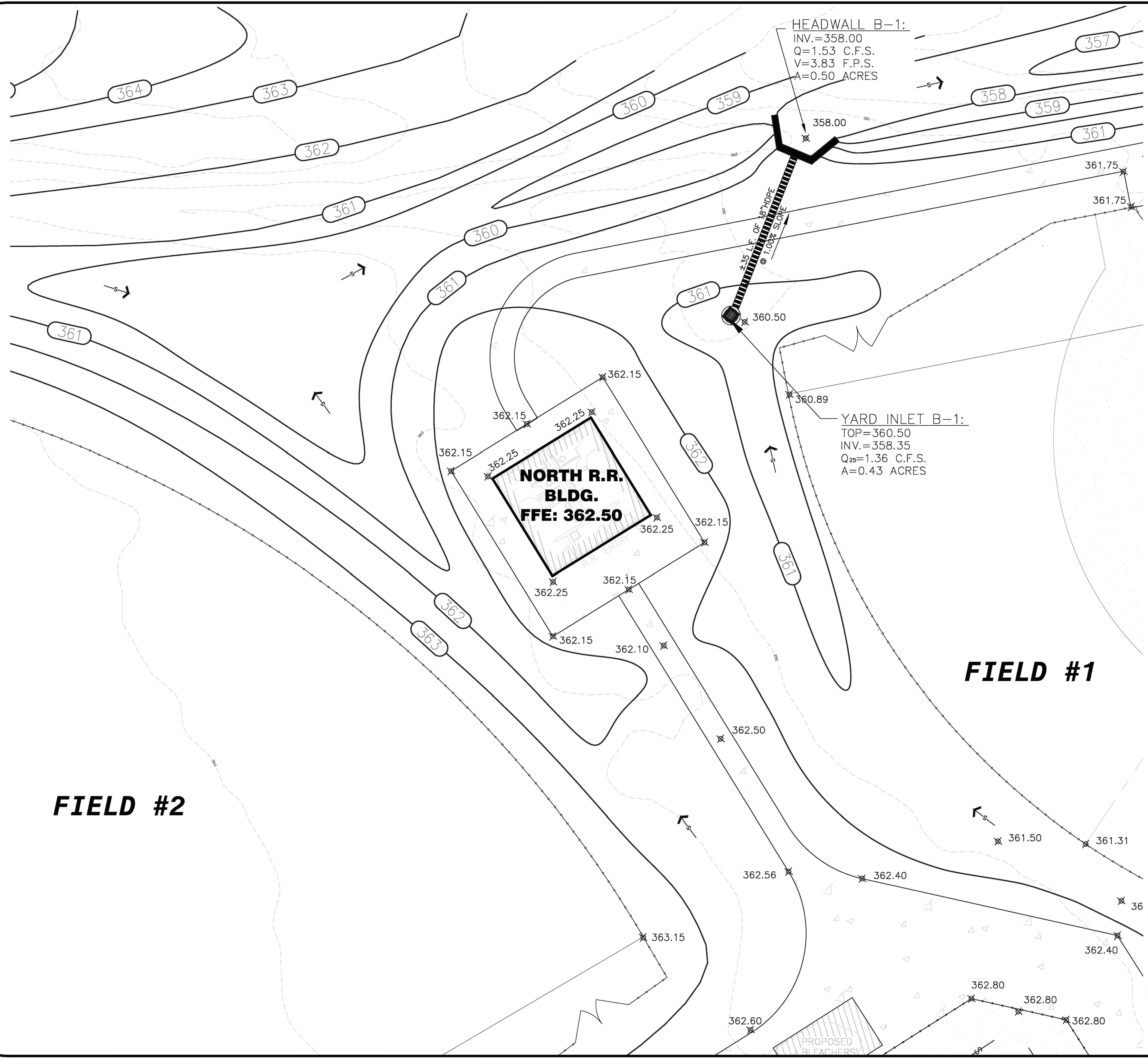
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FIELD #6 GRADING AND DRAINAGE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

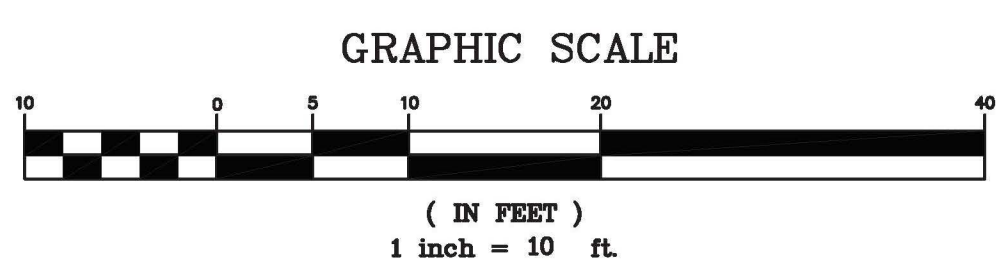
SHEET C-15
SCALE: 1" = 20'
APPROV. _____





LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	---100---
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	~
PROPOSED SANITARY SEWER W/MANHOLE	—●—
WATER W/FIRE HYDRANT	—FH—
PROPOSED WATER VALVE	—X—
PROPOSED WATER METER	—■—
PROPOSED STORM W/INLETS & HEADWALL	CB DWCB SWCB HW
SLOPE	—S—



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WIDNER & ASSOCIATES
30th
ANNIVERSARY
1990-2020

LEVEL II CERTIFICATION
GSWCC # 24610

GEORGIA REGISTERED
No. 763
PROFESSIONAL
ARCHITECT
WIDNER & ASSOCIATES
M. TONY WIDNER

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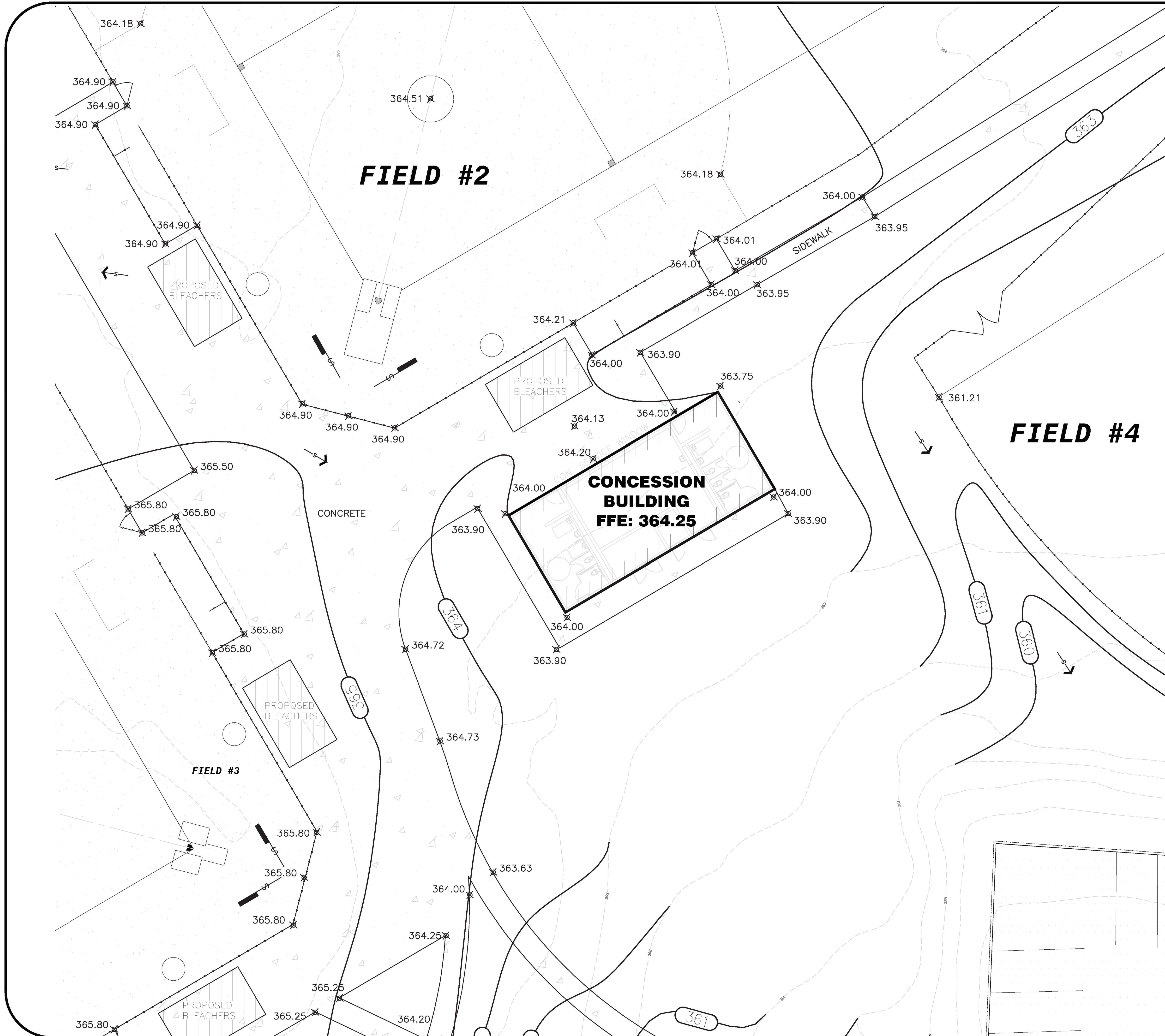
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FAX: (478) 749-2010
EMAIL: widner@widner-associates.com
WEBSITE: www.widner-associates.com

NORTH RESTROOM AREA GRADING AND DRAINAGE PLAN
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

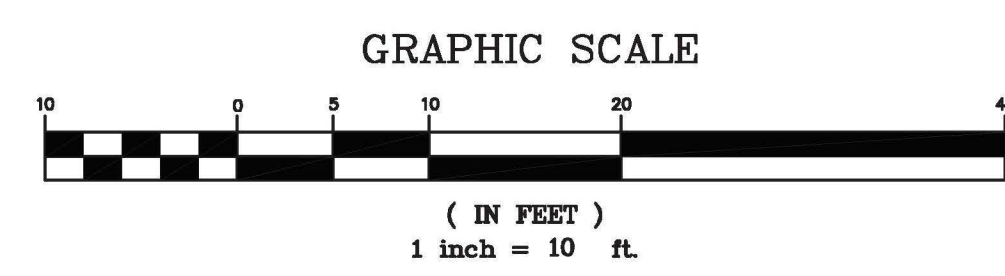
DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-16
SCALE: 1" = 10'
APPROV. _____



LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	---100---
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	~
PROPOSED SANITARY SEWER W/MANHOLE	—●—
WATER W/FIRE HYDRANT	—FH—
PROPOSED WATER VALVE	—X—
PROPOSED WATER METER	—■—
PROPOSED STORM W/INLETS & HEADWALL	—CB— DWCB SWCB HW
SLOPE	—S—



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WIDNER & ASSOCIATES
30th
ANNIVERSARY
1990-2020

LEVEL II CERTIFICATION
GSWCC # 24610

GEORGIA REGISTERED
No. 763
PROFESSIONAL ARCHITECT
M. TONY WIDNER

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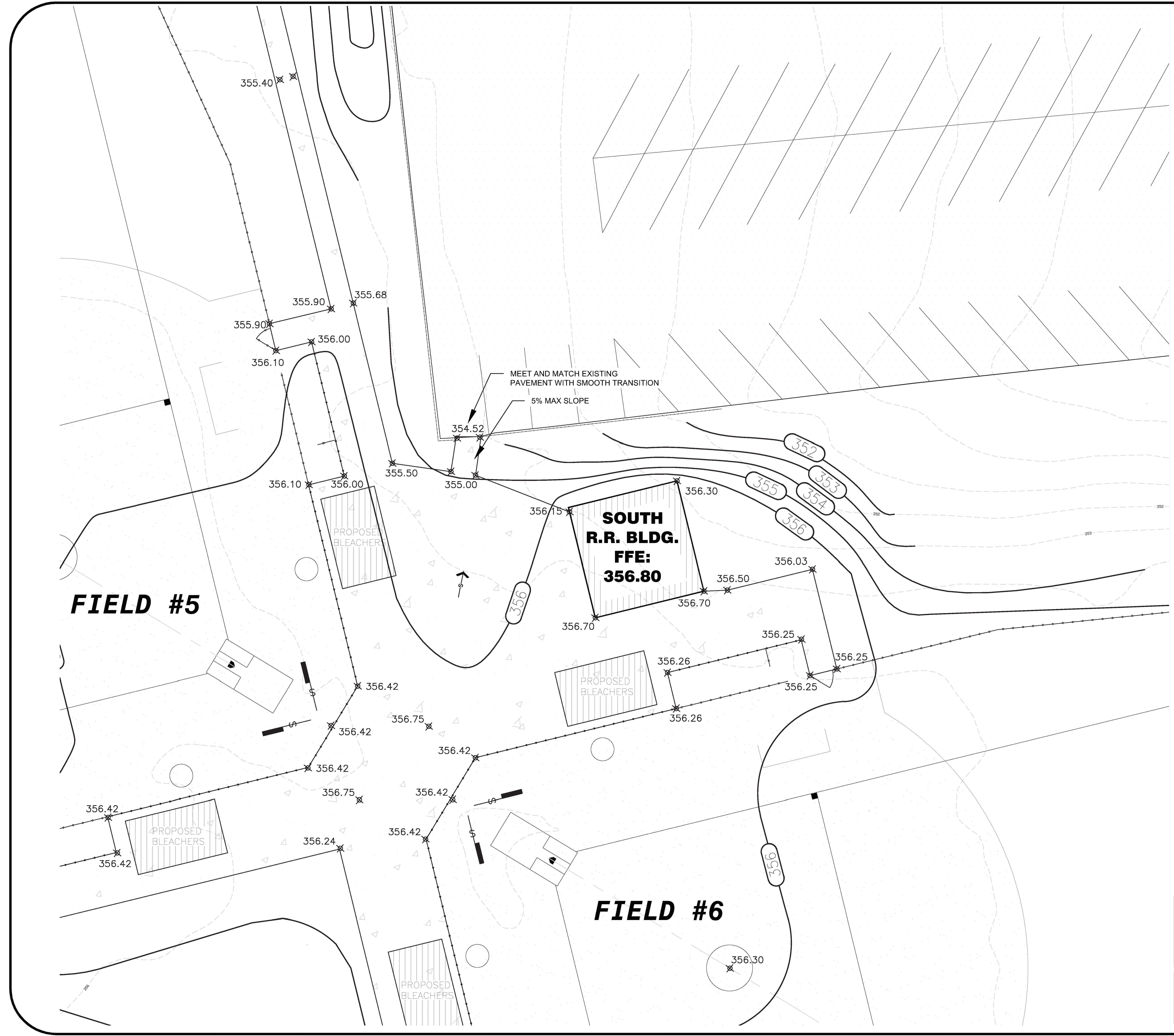
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CONCESSION AREA GRADING AND DRAINAGE PLAN
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

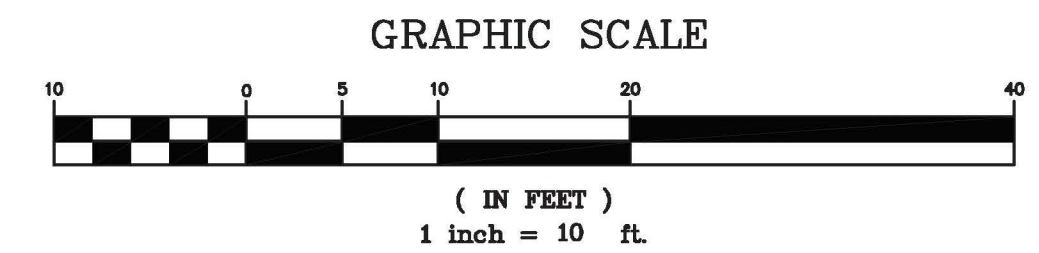
DATE: 07/30/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-17
SCALE: 1" = 10'
APPROV. _____



LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	100
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	~
PROPOSED SANITARY SEWER W/MANHOLE	—●—
WATER W/FIRE HYDRANT	—FH—
PROPOSED WATER VALVE	—X—
PROPOSED WATER METER	—■—
PROPOSED STORM W/INLETS & HEADWALL	—CB— DWCB SWCB HW
SLOPE	—S—



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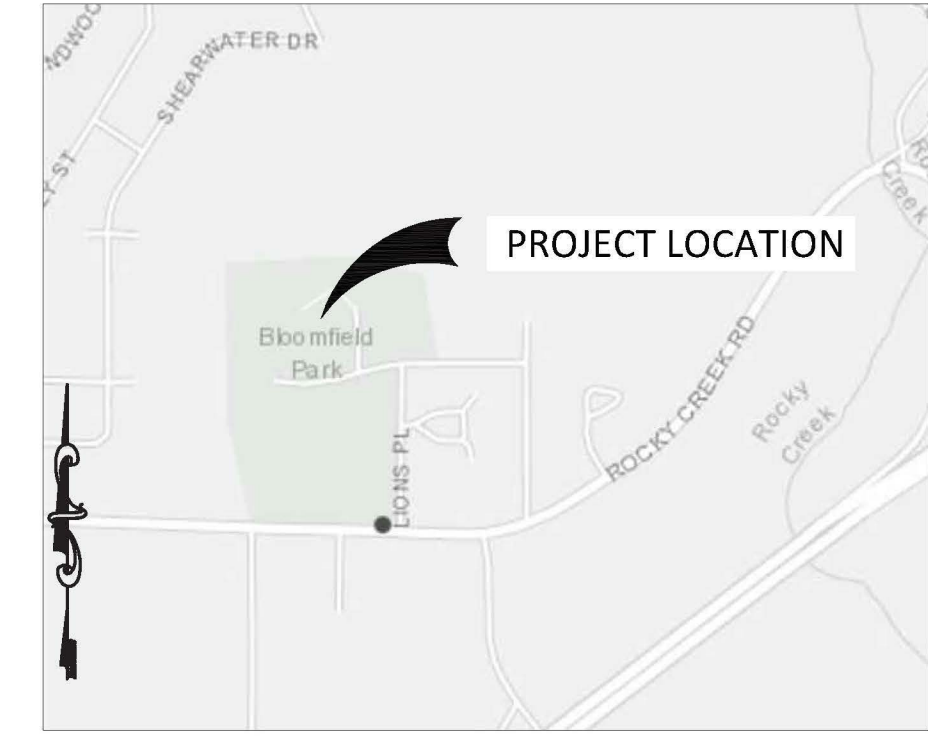
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TEL: (478) 749-2010 FAX: (478) 749-2010
WWW.WIDNER-ASSOC.COM

SOUTH RESTROOM AREA GRADING AND DRAINAGE PLAN
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-18
SCALE: 1" = 10'
APPROV. _____

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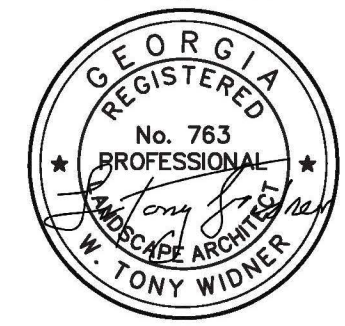
VICINITY MAP
N.T.S.



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GSWCC # 24610



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 EMAIL: widner@widner-associates.com www.widner-associates.com

PROFILES FOR
**BLOOMFIELD PARK
 SPORTS COMPLEX RENOVATION**
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160

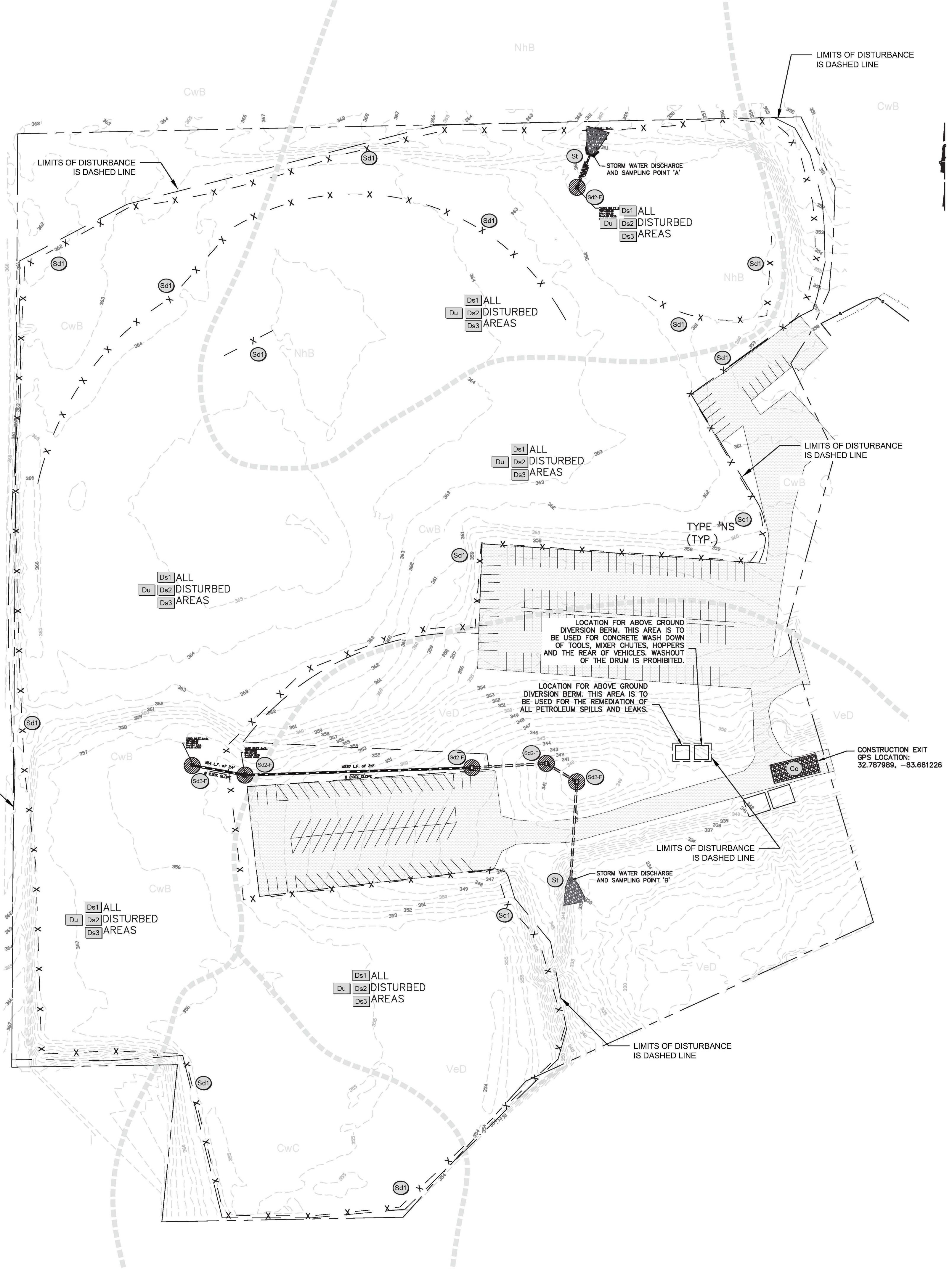
DATE:
06/01/2021
 DRAWN BY:
FRH
 CHECKED BY:
WTW
 PROJECT #:
9999-012

SHEET
C-18A
 SCALE:
 1" = 10'
 APPROV.

LEGEND FOR ALL C SHEETS

CWS	INDICATES COLD WATER SUPPLY LINE	SD	INDICATES STORM DRAIN
CWR	INDICATES COLD WATER RETURN LINE	SH	INDICATES HORIZONTAL MONITORING WELL
TYR	INDICATES TYPICAL	GM	INDICATES GAS METER
GI	INDICATES GRANITE INLET	GV	INDICATES GAS VALVE
PAW	INDICATES POWER	GL	INDICATES GAS LINE
GTW	INDICATES GUTTER	PHC	INDICATES FIRE HYDRANT
INV	INDICATES INVERT	WH	INDICATES WATER METER
HEZ	INDICATES HORIZONTAL	WV	INDICATES WATER VALVE
FTE	INDICATES FINISHED FLOOR ELEVATION	CDO	INDICATES CLEAN OUT
EQUP	INDICATES EQUIPMENT	SWV	INDICATES SEWER VALVE
MECH	INDICATES MECHANICAL	CPD	INDICATES CABLE PEDestal
SS	INDICATES SANITARY SEWER	BPO	INDICATES BUMPER POST
MH	INDICATES MANHOLE	BORG	INDICATES BORING
BLDG	INDICATES BUILDING	LP	INDICATES LIGHT POLE
CONC	INDICATES CONCRETE	PH	INDICATES POWER BOX
RZP	INDICATES REINFORCED CONCRETE PIPE	CLF	INDICATES CHAIN LINK FENCE
CMF	INDICATES CORRUGATED METAL PIPE	SIF	INDICATES SILT FENCE
PCF	INDICATES POWER POLE	TP	INDICATES TELEPHONE PEDestal
OW	INDICATES OVERHEAD POWER LINE	SE	INDICATES SPOT ELEVATION
USE	INDICATES UNDERGROUND ELECTRIC	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
UM	INDICATES UNDERGROUND WATER MAIN	DA1	INDICATES ROAD AREAS FOR DEMOLITION / REMOVAL
US	INDICATES UNDERGROUND SANITARY SEWER LINE	DA2	INDICATES FLEXIBLE (ASPHALT) PAVEMENT
UCO	INDICATES UNDERGROUND COMMUNICATION LINE	DA3	INDICATES RIGID PAVEMENT
UG	INDICATES UNDERGROUND GAS MAIN	TR	INDICATES TRANSFORMER (OFMR)
UGUT	INDICATES UNKNOWN UNDERGROUND UTILITY		
USP	INDICATES STEAM PIPE (INTERNAL UTILITY)		
G.P.	INDICATES G.P. METER		
G.P.F.	INDICATES G.P. FEED		
CS	INDICATES SANITARY SEWER CLEANOUT		

NOTE: CONSTRUCTION ACTIVITY INCLUDES BUT IS NOT LIMITED TO PERIMETER SILT FENCING, INLET SEDIMENT TRAP INSTALLATION, NEW STRUCTURES AND PIPING.



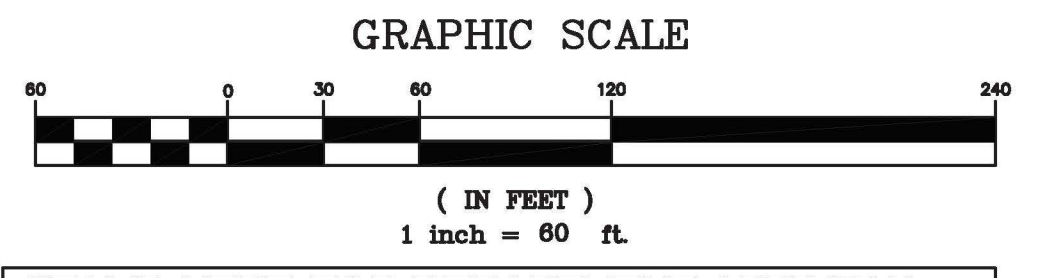
COWARTS SANDY

CwB	2 TO 5 PERCENT SLOPES, COWARTS SANDY LOAM
CwC	5 TO 8 PERCENT SLOPES, COWARTS SANDY LOAM
NhB	2 TO 5 PERCENT SLOPES, NORFOLK SANDY LOAM
VeD	8 TO 17 PERCENT SLOPES, VAUCLUSE SANDY LOAM



LEGEND

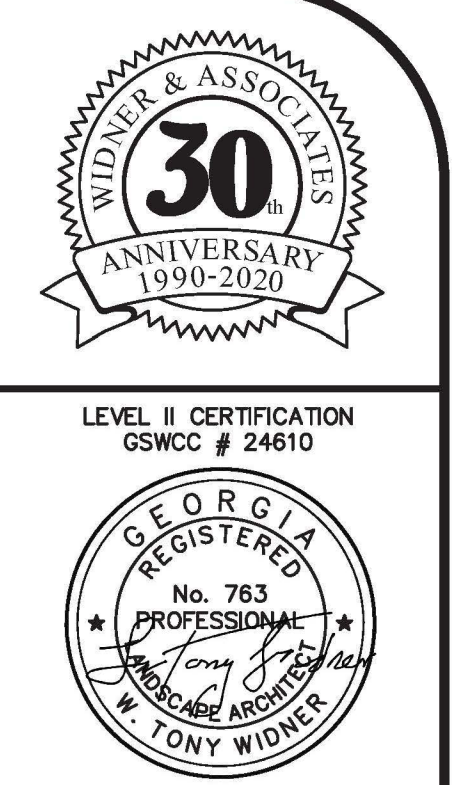
PROPERTY LINE	--- ---
IRON PIN FOUND	IPF ○
EXISTING CONTOUR	--- ---
PROPOSED CONTOUR	--- ---
UTILITY POLE W/GUY WIRE	PP ○---
LIGHT POLE	LP ○
TELEPHONE/SERVICE POLE	TP/SP ○
OVERHEAD POWER	--- ---
UNDERGROUND TELEPHONE	--- ---
WATER LINE	--- ---
SANITARY SEWER	--- ---
FENCE	--- ---
STREAM OR CREEK	--- ---
PROPOSED SANITARY SEWER W/MANHOLE	--- ---
WATER W/FIRE HYDRANT	--- ---
PROPOSED WATER VALVE	--- ---
PROPOSED WATER METER	--- ---
PROPOSED STORM W/INLETS & HEADWALL	--- ---
SLOPE	→



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REVISIONS:
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INITIAL EROSION & SEDIMENTATION CONTROL PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160

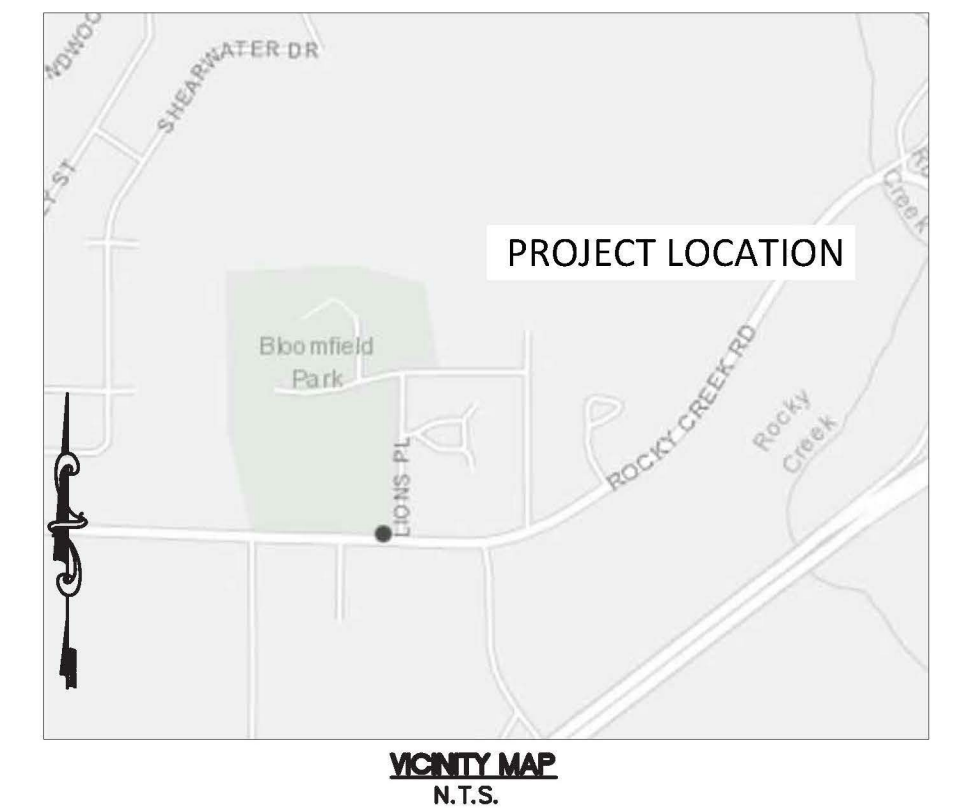
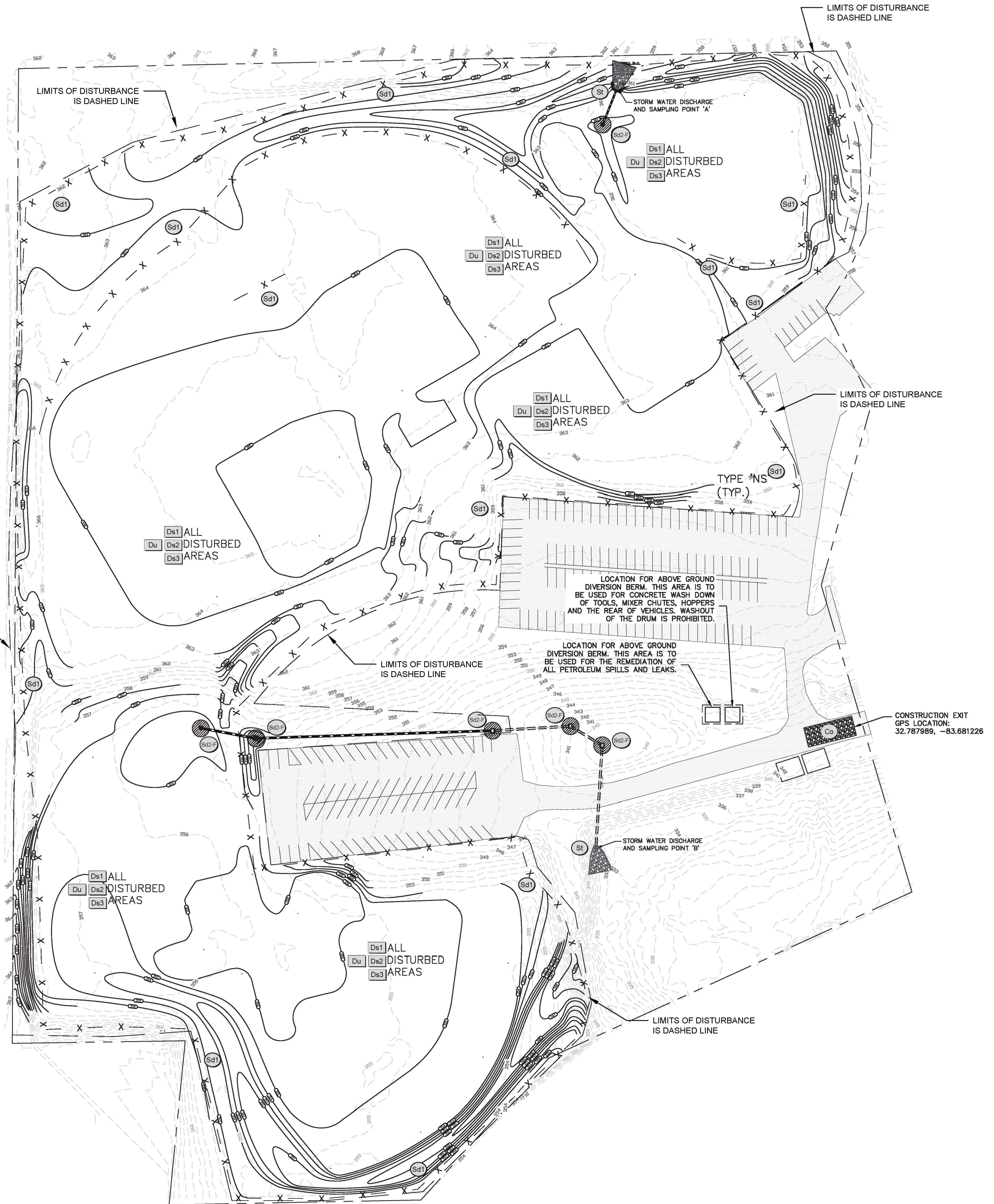
DATE: 06/01/2021
 DRAWN BY: FRH
 CHECKED BY: WTW
 PROJECT #: 9999-012

SHEET C-19
 SCALE: 1" = 60'
 APPROV. _____

LEGEND FOR ALL C SHEETS

CWS	INDICATES COLD WATER SUPPLY LINE	SD	INDICATES STORM DRAIN
CWR	INDICATES COLD WATER RETURN LINE	SH	INDICATES HORIZONTAL MONITORING WELL
TYR	INDICATES TYPICAL	GM	INDICATES GAS METER
GI	INDICATES GRANITE INLET	GV	INDICATES GAS VALVE
PAR	INDICATES POWER	GL	INDICATES GAS LINE
GR	INDICATES GRITER	PH	INDICATES POWER
INV	INDICATES INVERT	PHC	INDICATES FIRE HYDRANT
HEGL	INDICATES HORIZONTAL ELEVATION	WM	INDICATES WATER METER
FE	INDICATES FINISHED FLOOR ELEVATION	WV	INDICATES WATER VALVE
MECH	INDICATES MECHANICAL	COP	INDICATES CLEAN OUT
SE	INDICATES SANITARY SEWER	SVW	INDICATES SEWER VALVE
HL	INDICATES MANHOLE	OPD	INDICATES CABLE PEDISTAL
BLD	INDICATES BUILDING	BP	INDICATES BUMPER POST
CONC	INDICATES CONCRETE	BO	INDICATES BORING
RCPC	INDICATES REINFORCED CONCRETE PIPE	LP	INDICATES LIGHT POLE
CMPC	INDICATES CORRUGATED METAL PIPE	PB	INDICATES POWER BOX
PCP	INDICATES POWER POLE	CLF	INDICATES CHAIN LINK FENCE
SZ	INDICATES SILT FENCE	SIF	INDICATES SILT FENCE
OHP	INDICATES OVERHEAD POWER LINE	TP	INDICATES TELEPHONE PEDISTAL
USE	INDICATES UNDERGROUND ELECTRIC	SE	INDICATES SPOT ELEVATION
UM	INDICATES UNDERGROUND WATER MAIN	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
US	INDICATES UNDERGROUND SANITARY SEWER LINE	RA	INDICATES ROAD AREAS FOR DEMOLITION / REMOVAL
UCO	INDICATES UNDERGROUND COMMUNICATION LINE	FP	INDICATES FLEXIBLE (ASPHALT) PAVEMENT
UG	INDICATES UNDERGROUND GAS MAIN	RP	INDICATES RIGID PAVEMENT
UO	INDICATES UNDERGROUND UTILITY	TR	INDICATES TRANSFORMER (DFMR)
USP	INDICATES UNDERGROUND SANITARY SEWER LINE		
U	INDICATES UNDERGROUND UTILITY		
SM	INDICATES STEAM PIPE (HEATING UTILITY)		
GM	INDICATES G.P. METER		
GS	INDICATES G.P. FEED		
CS	INDICATES SANITARY SEWER CLEANOUT		

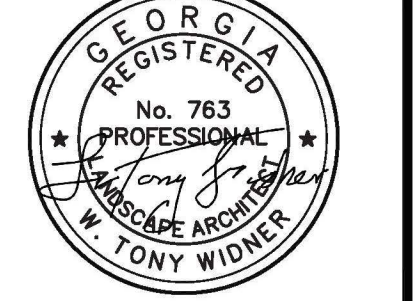
NOTE: CONSTRUCTION ACTIVITY INCLUDES BUT IS NOT LIMITED TO GRADING AND UTILITIES. MAINTAIN EXISTING BMPs AS REQUIRED DURING CONSTRUCTION. INCORPORATE DS1, DS2, DS3 AND DU AS NECESSARY FOR EBP/CP COMPLIANCE.



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GSWCC # 24610

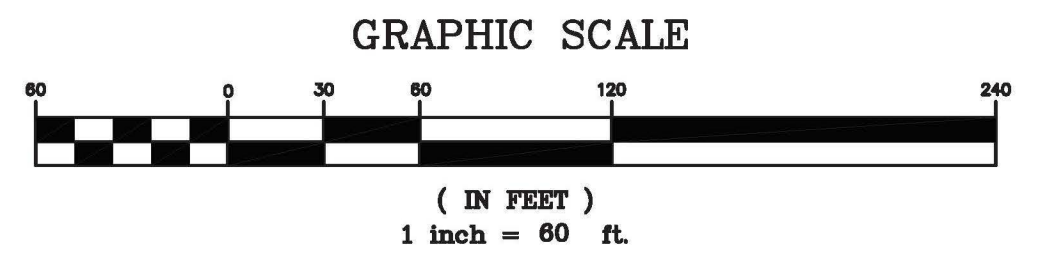


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LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	-100-
PROPOSED CONTOUR	100
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	---
PROPOSED SANITARY SEWER W/MANHOLE	---
WATER W/FIRE HYDRANT	FH
PROPOSED WATER VALVE	WV
PROPOSED WATER METER	WM
PROPOSED STORM W/INLETS & HEADWALL	CB, DWCB, SWCB, HW



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REVISIONS:
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INTERMEDIATE EROSION & SEDIMENTATION CONTROL PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

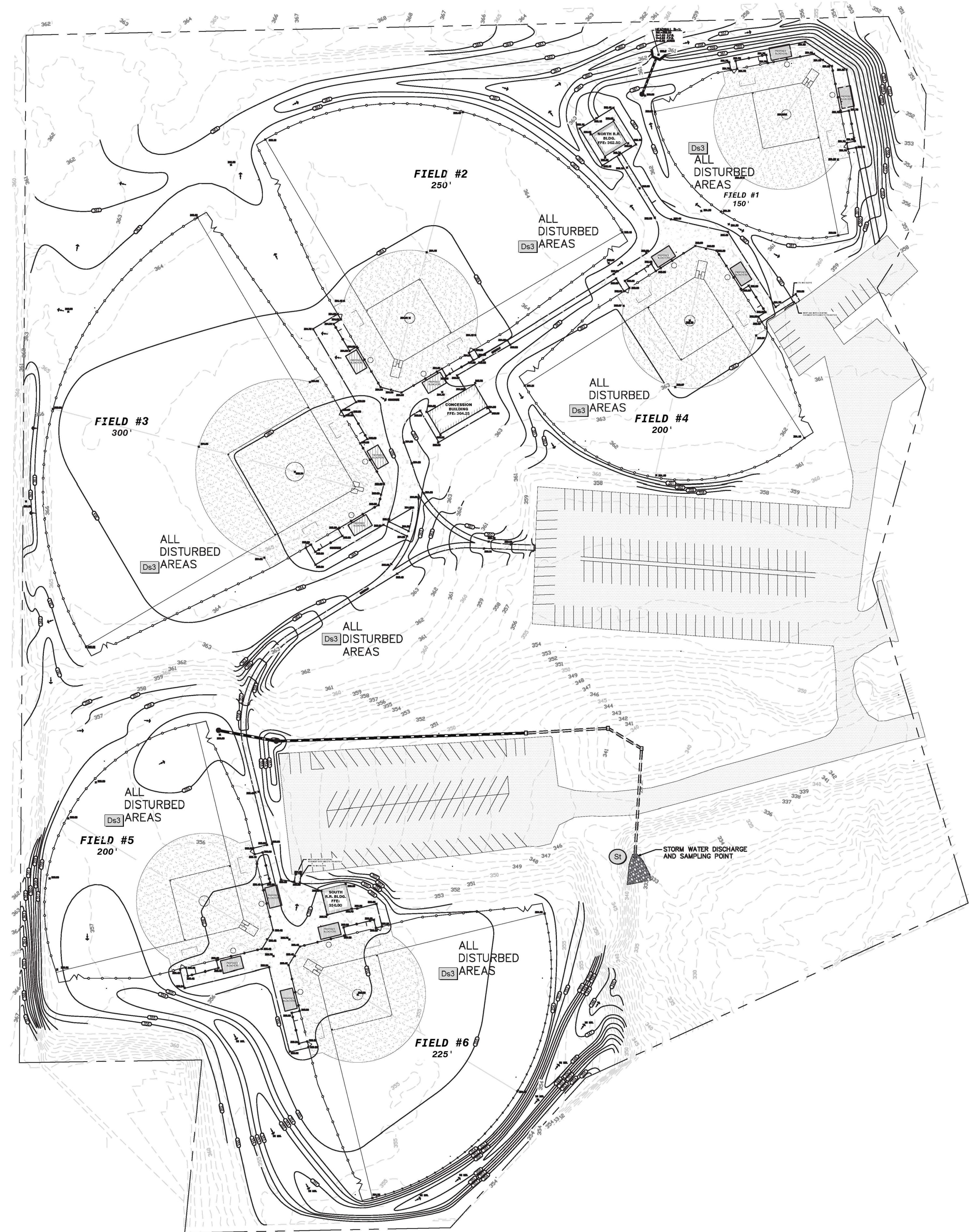
DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-20
SCALE: 1" = 60'
APPROV. _____

LEGEND FOR ALL C SHEETS

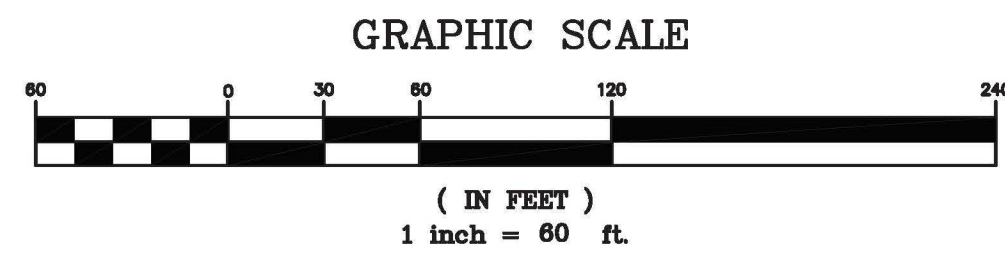
CVS	INDICATES COLD WATER SUPPLY LINE	SD	INDICATES STORM DRAIN
CVR	INDICATES COLD WATER RETURN LINE	HM	INDICATES HORIZONTAL MONITORING WELL
TR	INDICATES TYPICAL	GM	INDICATES GAS METER
GI	INDICATES GRATE INLET	GV	INDICATES GAS VALVE
PKB	INDICATES POWER	OV	INDICATES GAS VALVE
STR	INDICATES GUTTER	PH	INDICATES FIRE HYDRANT
SHV	INDICATES INVERT	WM	INDICATES WATER METER
HBLZ	INDICATES HORIZONTAL	WMV	INDICATES WATER VALVE
FTE	INDICATES FINISHED FLOOR ELEVATION	CO	INDICATES CLEAN OUT
EQUP	INDICATES EQUIPMENT	SVW	INDICATES SEWER VALVE
MCA	INDICATES MECHANICAL	CP	INDICATES CABLE PEDESTAL
SS	INDICATES SANITARY SEWER	BP	INDICATES BUMPER POST
BLK	INDICATES MANHOLE	BO	INDICATES BOILING
BLKB	INDICATES BUILDING	LP	INDICATES LIGHT POLE
CONC	INDICATES CONCRETE	PB	INDICATES POWER BOX
RCP	INDICATES REINFORCED CONCRETE PIPE	CLF	INDICATES CHAIN LINK FENCE
CMF	INDICATES CORRUGATED METAL PIPE	SLF	INDICATES SILT FENCE
PP	INDICATES POWER POLE	TP	INDICATES TELEPHONE PEDESTAL
GW	INDICATES GUY WIRE	SE	INDICATES SPOT ELEVATION
OHP	INDICATES OVERHEAD POWER LINE	DA	INDICATES AREAS FOR DEMOLITION / REMOVAL
USE	INDICATES UNDERGROUND ELECTRIC	DR	INDICATES ROAD AREAS FOR DEMOLITION / REMOVAL
UM	INDICATES UNDERGROUND WATER MAIN	FL	INDICATES FLEXIBLE (ASPHALT) PAVEMENT
US	INDICATES UNDERGROUND SANITARY SEWER LINE	RP	INDICATES RIGID PAVEMENT
UC	INDICATES UNDERGROUND COMMUNICATION LINE	TR	INDICATES TRANSFORMER (D/FMR)
UG	INDICATES UNDERGROUND GAS MAIN		
UUT	INDICATES UNKNOWN UNDERGROUND UTILITY		
STP	INDICATES STEAM PIPE (THERMAL UTILITY)		
GM	INDICATES G.P. METER		
GPF	INDICATES G.P. FEED		
SC	INDICATES SANITARY SEWER CLEANOUT		

NOTE: CONSTRUCTION ACTIVITY INCLUDES BUT IS NOT LIMITED TO FINAL GRADING, CONSTRUCTION OF THE NORTH AND SOUTH RESTROOMS AND CONCESSIONS BUILDING, FIELD CONSTRUCTION AND FINAL STABILIZATION OF ALL DISTURBED AREAS WITHIN THE PROJECT SITE.



LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	-100-
PROPOSED CONTOUR	100
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	~~~~~
PROPOSED SANITARY SEWER W/MANHOLE	—●—
WATER W/FIRE HYDRANT	—FH—
PROPOSED WATER VALVE	—V—
PROPOSED WATER METER	—M—
PROPOSED STORM W/INLETS & HEADWALL	—CB—
SLOPE	—S—



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REVISIONS:
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FAX: (478) 746-2010
WWW.WIDNER-ASSOC.COM

FINAL EROSION & SEDIMENTATION CONTROL PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-21
SCALE: 1" = 60'
APPROV. _____

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**DRAINAGE
'BASIN A'
8.77ac.**

SEDIMENT STORAGE BY SD2 A-1

SEDIMENT STORAGE BY INLET SEDIMENT TRAP SHALL BE 0.982 ACRES * 67 CY/AC = 65.794 CY = 1776.4 CF. A STORAGE HEIGHT OF $36"$ MAXIMUM IS ALLOWED AS THAT IS THE FULL CLEANOUT HEIGHT OF THE SD2-F OR SILTSAVER VOLUME = AREA * LENGTH . AREA = $B * H = 36" * \text{SQ. FT.} = 3' \text{ HT} * 23937 \text{ SF} = \text{SD2/SILTSAVER} = 71811.00 \text{ CF} = 2660 \text{ CY} . 2660 \text{ CY PROVIDED} > 65.794 \text{ CY REQUIRED} .$

FURTHER SEDIMENT STORAGE PROVIDED BY ADDITIONAL SD2s

SEDIMENT STORAGE BY SD2 A-2

SEDIMENT STORAGE BY INLET SEDIMENT TRAP SHALL BE 0.35 ACRES * 67 CY/AC = 23.45 CY = 633.15 CF. A STORAGE HEIGHT OF $36"$ MAXIMUM IS ALLOWED AS THAT IS THE FULL CLEANOUT HEIGHT OF THE SD2-F OR SILTSAVER VOLUME = AREA * LENGTH . AREA = $B * H = 36" * \text{SQ. FT.} = 3' \text{ HT} * 2791 \text{ SF} = \text{SD2/SILTSAVER} = 8373.00 \text{ CF} = 310.11 \text{ CY} . 310.11 \text{ CY PROVIDED} > 23.45 \text{ CY REQUIRED} .$

FURTHER SEDIMENT STORAGE PROVIDED BY ADDITIONAL SD2s

SEDIMENT STORAGE BY SD2 A-3

SEDIMENT STORAGE BY INLET SEDIMENT TRAP SHALL BE 0.21 ACRES * 67 CY/AC = 14.07 CY = 379.89 CF. A STORAGE HEIGHT OF $36"$ MAXIMUM IS ALLOWED AS THAT IS THE FULL CLEANOUT HEIGHT OF THE SD2-F OR SILTSAVER VOLUME = AREA * LENGTH . AREA = $B * H = 36" * \text{SQ. FT.} = 3' \text{ HT} * 2791 \text{ SF} = \text{SD2/SILTSAVER} = 8373.00 \text{ CF} = 310.11 \text{ CY} . 310.11 \text{ CY PROVIDED} > 14.07 \text{ CY REQUIRED} .$

FURTHER SEDIMENT STORAGE PROVIDED BY ADDITIONAL SD2s

SEDIMENT STORAGE BY SD2 A-4

SEDIMENT STORAGE BY INLET SEDIMENT TRAP SHALL BE 0.59 ACRES * 67 CY/AC = 39.53 CY = 1067.3 CF. A STORAGE HEIGHT OF $36"$ MAXIMUM IS ALLOWED AS THAT IS THE FULL CLEANOUT HEIGHT OF THE SD2-F OR SILTSAVER VOLUME = AREA * LENGTH . AREA = $B * H = 36" * \text{SQ. FT.} = 3' \text{ HT} * 650 \text{ SF} = \text{SD2/SILTSAVER} = 1950.00 \text{ CF} = 72.22 \text{ CY} . 72.22 \text{ CY PROVIDED} > 39.53 \text{ CY REQUIRED} .$

FURTHER SEDIMENT STORAGE PROVIDED BY ADDITIONAL SD2s

SEDIMENT STORAGE BY SD2 A-5

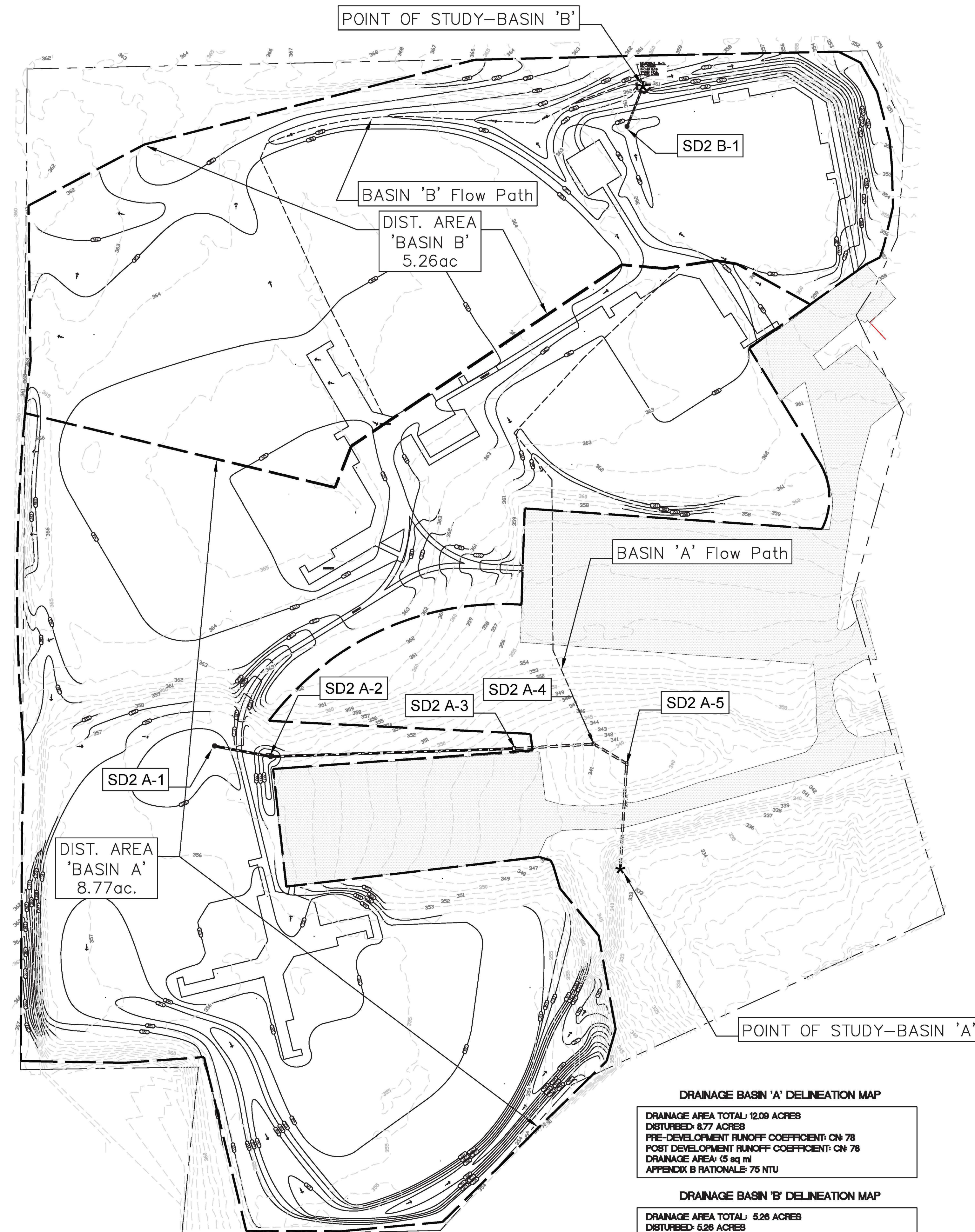
SEDIMENT STORAGE BY INLET SEDIMENT TRAP SHALL BE 1.00 ACRES * 67 CY/AC = 66.799 CY = 1803.6 CF. A STORAGE HEIGHT OF $36"$ MAXIMUM IS ALLOWED AS THAT IS THE FULL CLEANOUT HEIGHT OF THE SD2-F OR SILTSAVER VOLUME = AREA * LENGTH . AREA = $B * H = 36" * \text{SQ. FT.} = 3' \text{ HT} * 6049 \text{ SF} = \text{SD2/SILTSAVER} = 18147.00 \text{ CF} = 672.11 \text{ CY} . 672.11 \text{ CY PROVIDED} > 66.799 \text{ CY REQUIRED} .$

FURTHER SEDIMENT STORAGE PROVIDED BY ADDITIONAL SD2s

SEDIMENT STORAGE BY SD1 FOR BASIN 'A'

SEDIMENT STORAGE BY SILT FENCE SHALL BE 5.638 ACRES * 67 CY/AC = 377.75 CY = 10199 CF. A STORAGE HEIGHT OF $9"$ MAXIMUM IS ALLOWED AS THAT IS THE 1/3 FULL CLEANOUT HEIGHT OF SILT FENCE. VOLUME = AREA * LENGTH . AREA = $0.5 * B * H = 0.5 * 9" * 10' = 3.75 \text{ SF} * 2986.34 \text{ LF} = \text{SILT FENCE (SINGLE ROW)} = 11198.76 \text{ CF} = 414.77 \text{ CY} . 414.77 \text{ CY PROVIDED} > 377.746 \text{ CY REQUIRED} .$

ADDITIONAL SEDIMENT STORAGE PROVIDED BY SD2



DRAINAGE BASIN 'A' DELINEATION MAP
 DRAINAGE AREA TOTAL: 12.09 ACRES
 DISTURBED: 8.77 ACRES
 PRE-DEVELOPMENT RUNOFF COEFFICIENT: CN: 78
 POST DEVELOPMENT RUNOFF COEFFICIENT: CN: 78
 DRAINAGE AREA: (5 acq ml)
 APPENDIX B RATIONALE: 75 NTU

DRAINAGE BASIN 'B' DELINEATION MAP
 DRAINAGE AREA TOTAL: 5.28 ACRES
 DISTURBED: 5.28 ACRES
 PRE-DEVELOPMENT RUNOFF COEFFICIENT: CN: 75
 POST DEVELOPMENT RUNOFF COEFFICIENT: CN: 75
 DRAINAGE AREA: (5 acq ml)
 APPENDIX B RATIONALE: 75 NTU



**DRAINAGE
'BASIN B'
5.26ac.**

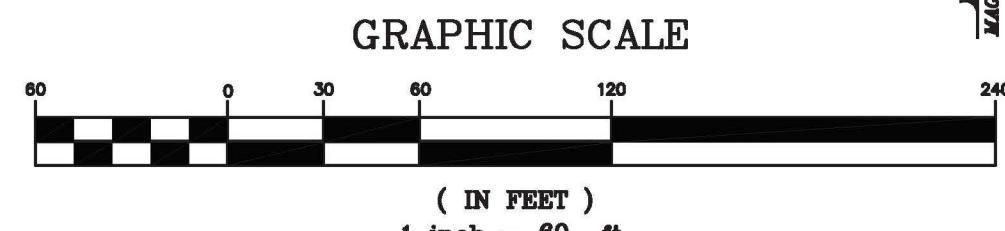
SEDIMENT STORAGE BY SD2 B-1
 SEDIMENT STORAGE BY INLET SEDIMENT TRAP SHALL BE 0.50 ACRES * 67 CY/AC = 33.5 CY = 904.5 CF. A STORAGE HEIGHT OF $36"$ MAXIMUM IS ALLOWED AS THAT IS THE FULL CLEANOUT HEIGHT OF THE SD2-F OR SILTSAVER VOLUME = AREA * LENGTH . AREA = $B * H = 30" * \text{SQ. FT.} = 2.5' \text{ HT} * 21986 \text{ SF} = \text{SD2/SILTSAVER} = 65958.00 \text{ CF} = 2443 \text{ CY} . 2443 \text{ CY PROVIDED} > 33.5 \text{ CY REQUIRED} .$

FURTHER SEDIMENT STORAGE PROVIDED BY SILT FENCE

SEDIMENT STORAGE BY SD1 FOR BASIN 'B'

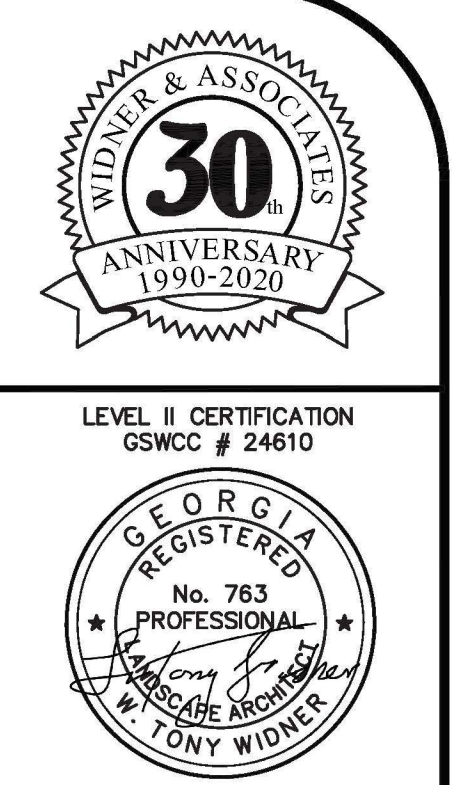
SEDIMENT STORAGE BY SILT FENCE SHALL BE 4.76 ACRES * 67 CY/AC = 318.92 CY = 8610.8 CF. A STORAGE HEIGHT OF $9"$ MAXIMUM IS ALLOWED AS THAT IS THE 1/3 FULL CLEANOUT HEIGHT OF SILT FENCE. VOLUME = AREA * LENGTH . AREA = $0.5 * B * H = 0.5 * 9" * 10' = 3.75 \text{ SF} * 2390 \text{ LF} = \text{SILT FENCE (SINGLE ROW)} = 8962.50 \text{ CF} = 331.94 \text{ CY} . 331.94 \text{ CY PROVIDED} > 318.92 \text{ CY REQUIRED} .$

ADDITIONAL SEDIMENT STORAGE PROVIDED BY SD2



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 TEL: (478) 748-2010 FAX: (478) 748-2010
 EMAIL: widner@widner-assoc.com WEBSITE: www.widner-assoc.com

DRAINAGE BASIN MAP FOR
**BLOOMFIELD PARK
 SPORTS COMPLEX RENOVATION**
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160

DATE: 06/01/2021
 DRAWN BY: FRH
 CHECKED BY: WTW
 PROJECT #: 9999-012

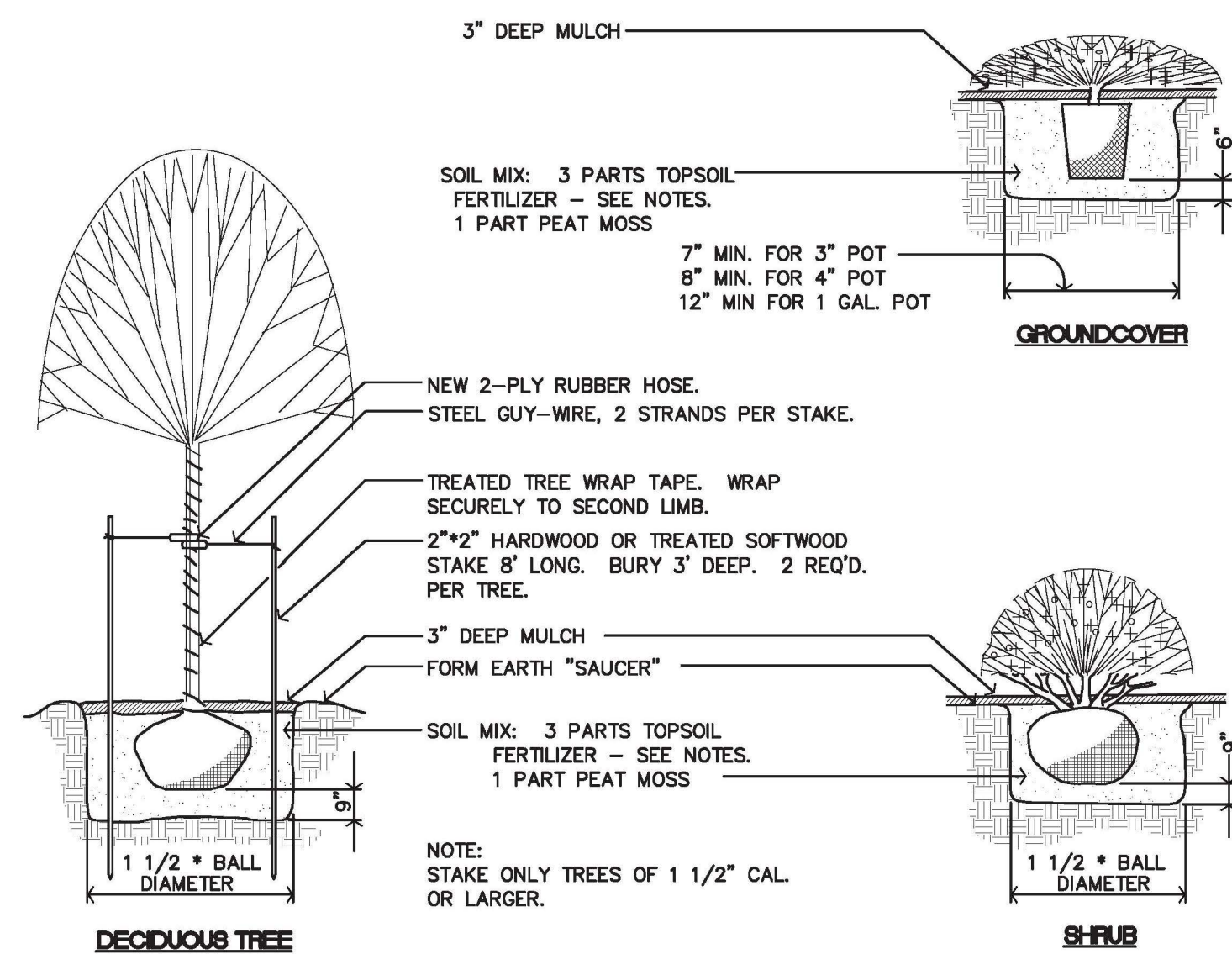
SHEET
C-21A
 SCALE: 1" = 60'
 APPROV.

PLANTING SCHEDULE

Code Name	Common Name	Scientific Name	Planting Size	Quantity	Spacing
UP	Chinese Elm	Ulmus parvifolia	3" Cal.	3	As shown
VC	Chaste Tree	Vitex Agnus Castus	3" Cal./multi. trunk	11	As shown
HRuba					
AG	Sheerwoodii Abelia	Grandiflora 'Sheerwoodii'	1-Gal	103	As shown
NDN	Heavenly Bamboo	Nandina domestica Fire Power	1-Gal	182	As shown
RU	Indian Hawthorne	Raphiolepis umbellata 'Blueberry Muffin'	3-Gal	48	As shown
Groundcover					
TA	Asiatic Jasmine	Trachelospermum asiaticum	4" Pints	2995	18" o.c.
Grasses					
CD	Bermuda Grass	Cynodon dactylon	Sod		N/A

PLANT LEGEND

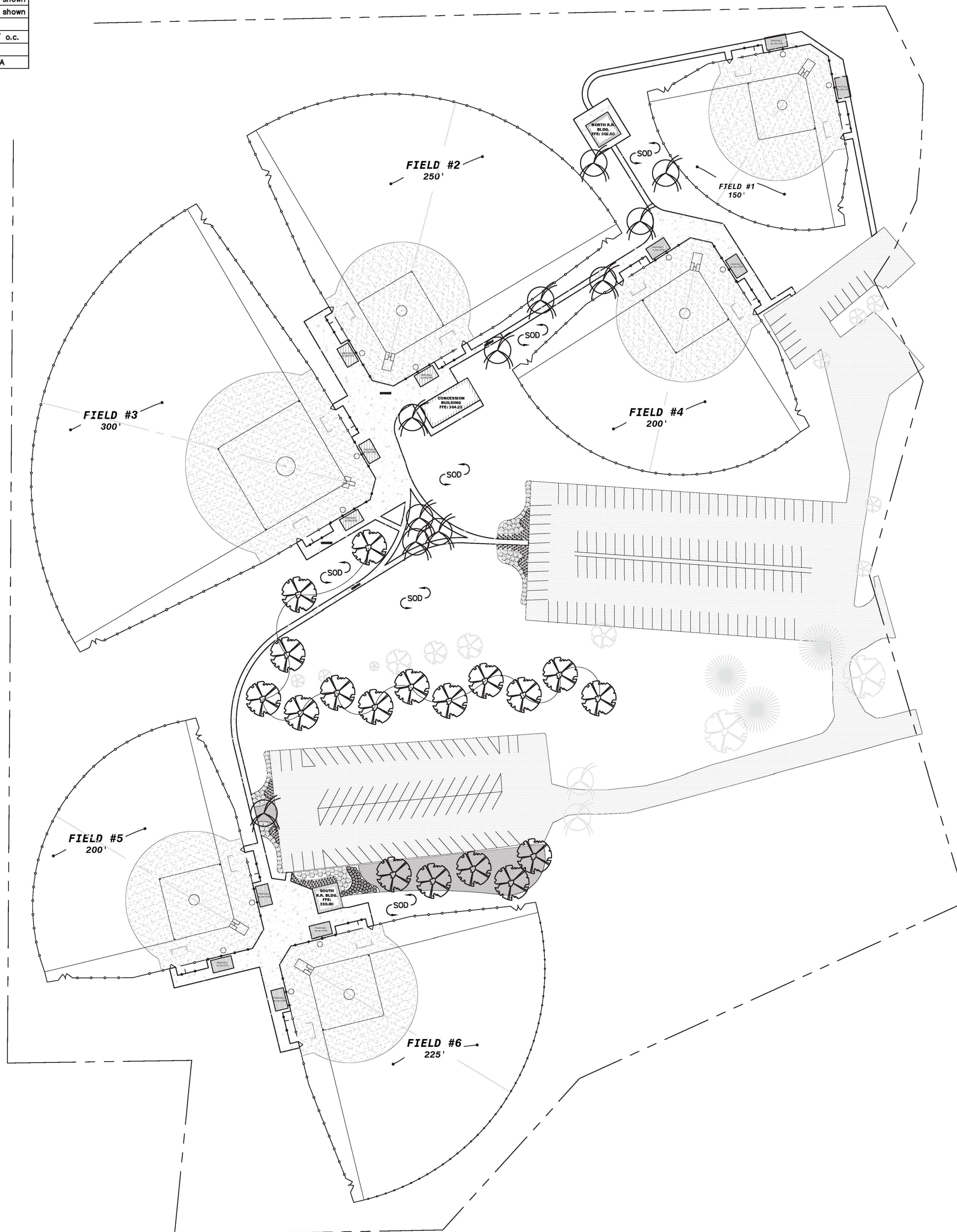
	HEAVENLY BAMBOO		CHASTE TREE		EXISTING PINE
	SHEERWOODII ABELIA		CHINESE ELM		EXISTING ORNAMENTAL TREE
	INDIAN HAWTHORNE		EXISTING HARDWOOD TREE		
	ASIATIC JASMINE				



PLANTING DETAILS
NOT TO SCALE

PLANTING NOTE:

- NO CONSTRUCTION DEBRIS (AGGREGATE, CONCRETE, WOOD, ECT.) IS ALLOWED IN LANDSCAPE PLANTING ISLANDS OR MEDIANS. CONTRACTOR WILL BACK FILL WITH CLEAN TOPSOIL IN SUCH AREAS.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO PLANTING. NO TREES WITHIN 15 FEET OF ANY SEWER LINES.
- THERE SHALL BE NO SUBSTITUTIONS, DELETIONS, OR REVISIONS TO THESE LANDSCAPE PLANS WITHOUT PRIOR WRITTEN APPROVAL OF THE BIBB COUNTY RECREATION DEPARTMENT DIRECTOR.
- FOR BALLED AND BURLAP TREES, THE UPPER 1/2 OF THE WIRE BASKET AND BURLAP WILL BE REMOVED PRIOR TO THE BACKFILLING OF SOIL. BACKFILLED SOIL WILL NOT HAVE AIR POCKETS.
- ALL TREES SHALL BE STRAIGHT TRUNKED, FULL HEADED, WITHOUT TRUNK DAMAGE OR WOUNDS, AND SHALL MEET THE #1 QUALITY STANDARDS.
- ALL TREES WILL BE PLANTED AT GRADE. NO MOUNDING OF TREES IS ALLOWED.
- APPROVED MULCH WILL BE AT LEAST 3" DEEP, AND IN A FIVE (5) FOOT MINIMUM DIAMETER AROUND EACH TREE. NO MULCH OR FILL DIRT WILL BE WITHIN 4" OF THE TREE TRUNK.
- NO TREE GUYS WILL BE USED ON TREES WITH TRUNK CALIPER OF 2" OR LESS. IF LARGER TREES ARE USED, TWO STAKES AT OPPOSITE SIDES OF EACH TREE WILL SUPPORT THEM. APPROVED FABRIC TIES WILL BE USED INSTEAD OF WIRE AND RUBBER HOSES.
- ALL TREES AND STAKES WILL BE REMOVED 8 MONTHS AFTER PLANTING.

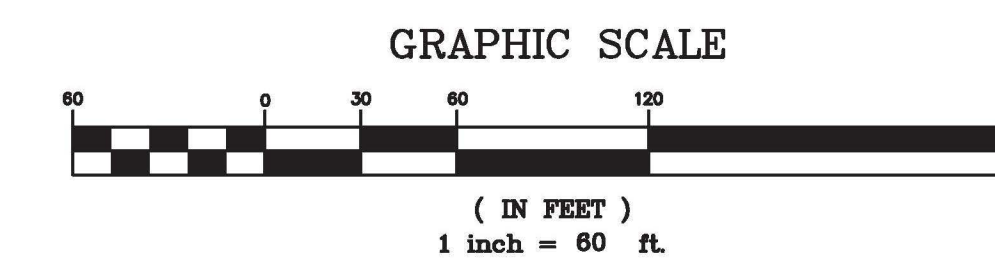


VICINITY MAP
N.T.S.



LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	---100---
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	~~~~~
PROPOSED SANITARY SEWER W/MANHOLE	---●---
WATER W/FIRE HYDRANT	FW
PROPOSED WATER VALVE	WV
PROPOSED WATER METER	WM
PROPOSED STORM W/INLETS & HEADWALL	CB, DWCB, SWCB, HW
SLOPE	→



STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME _____ DRAWING # _____

REVISIONS:

-
-
-
-



LEVEL II CERTIFICATION
GSWCC # 24610



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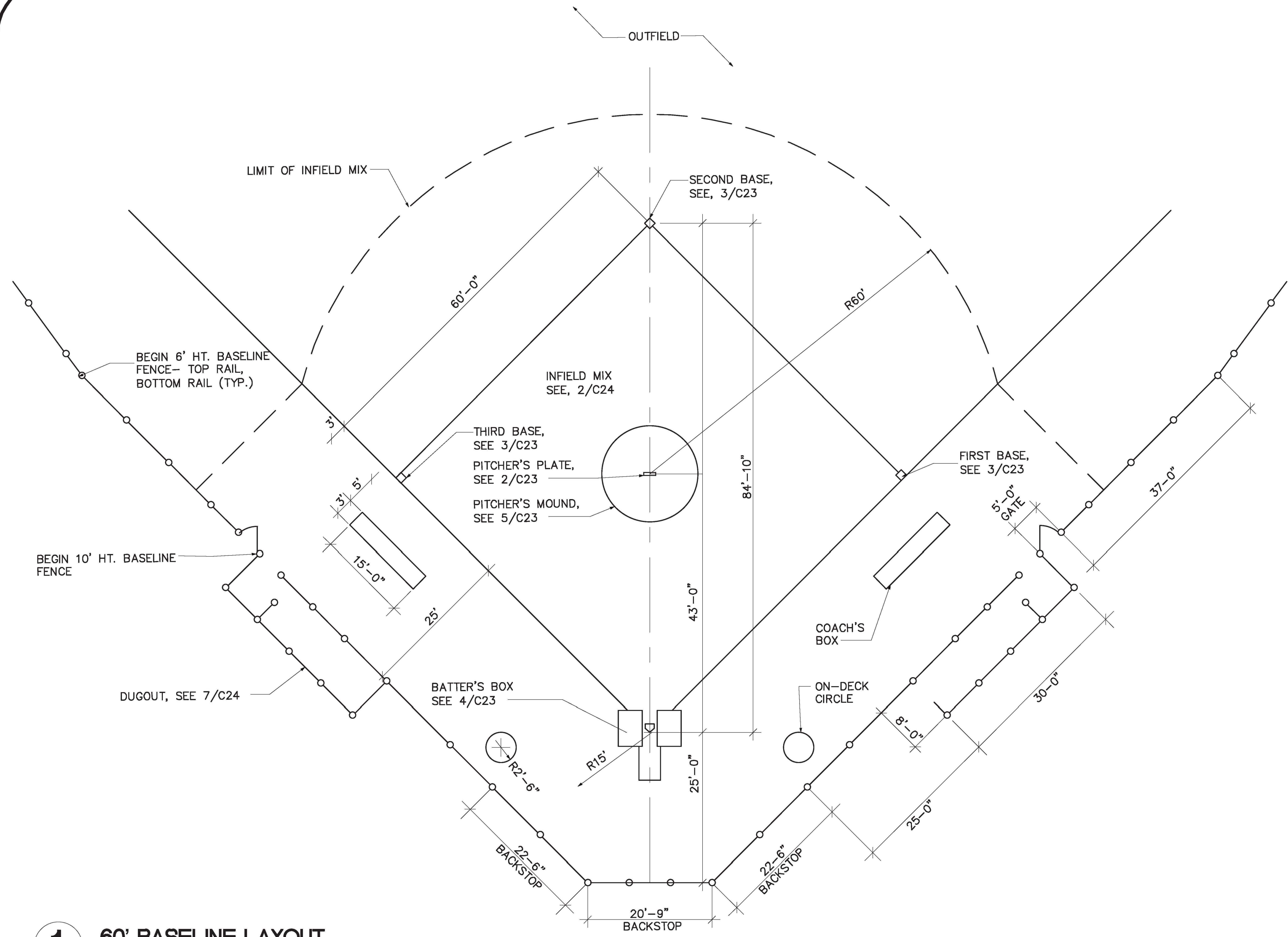
Widner & Associates, Inc.
P.O. BOX 02, MACON, GEORGIA 31202
TEL: (478) 749-2010 FAX: (478) 749-2010
WWW.WIDNER-ASSOC.COM

LANDSCAPE PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-22
SCALE: 1" = 60'
APPROV. _____

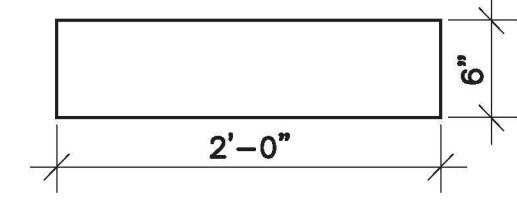
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1 60' BASELINE LAYOUT
SCALE: 1" = 10.0' (FIELDS 2,4,5 & 6)

MANUFACTURER: BOLCO
PITCHER'S PLATE #410-10G
(REGULATION MODEL - 6"x24")

SUPPLIER:
MID-AMERICA
SPORTS ADVANTAGE
800-264-4519
INSTALL PER
MANUFACTURER'S SPECS

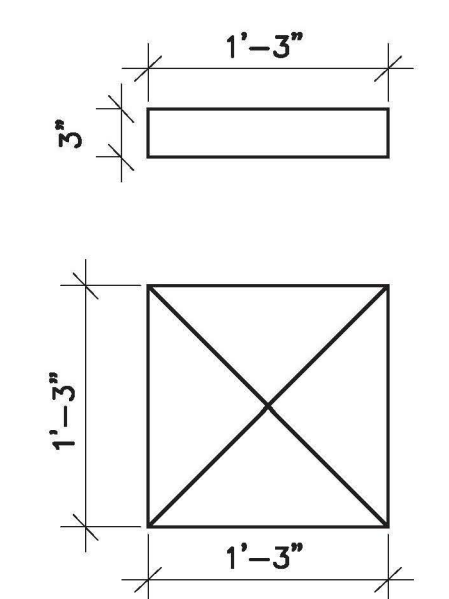


2 PITCHER'S PLATE
SCALE: 1" = 1'-0"

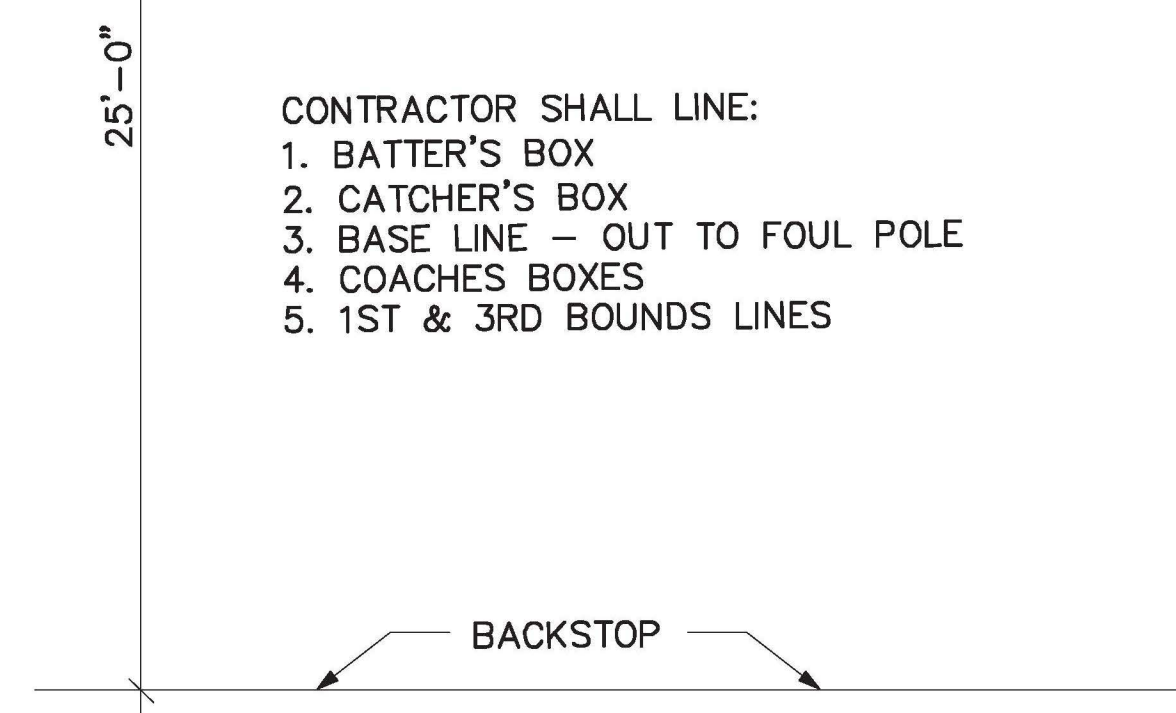
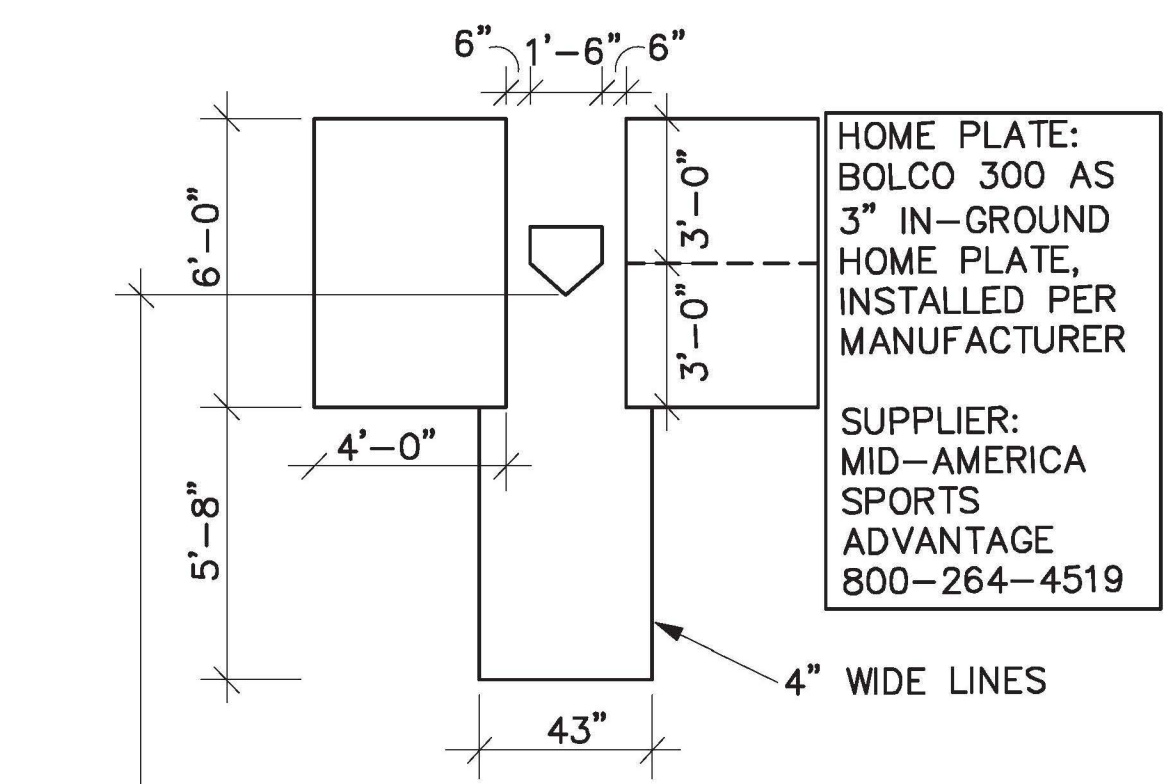
MANUFACTURER: BOLOCO #6200
PRO STYLE BASE
WITH ANCHORS

SEE 1/ C-24 FOR BASE
ANCHOR

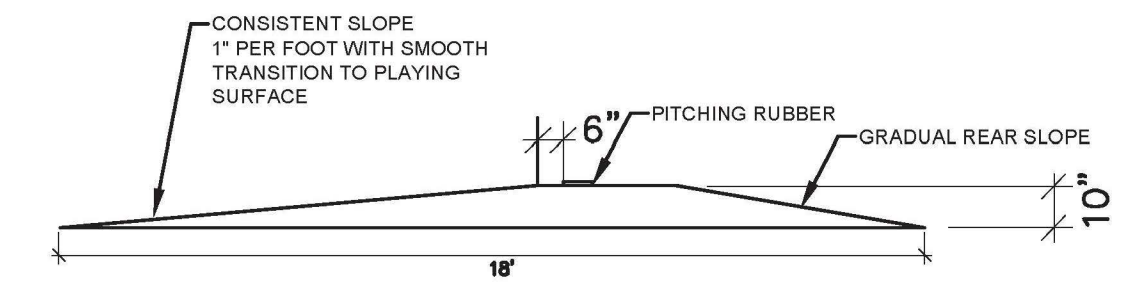
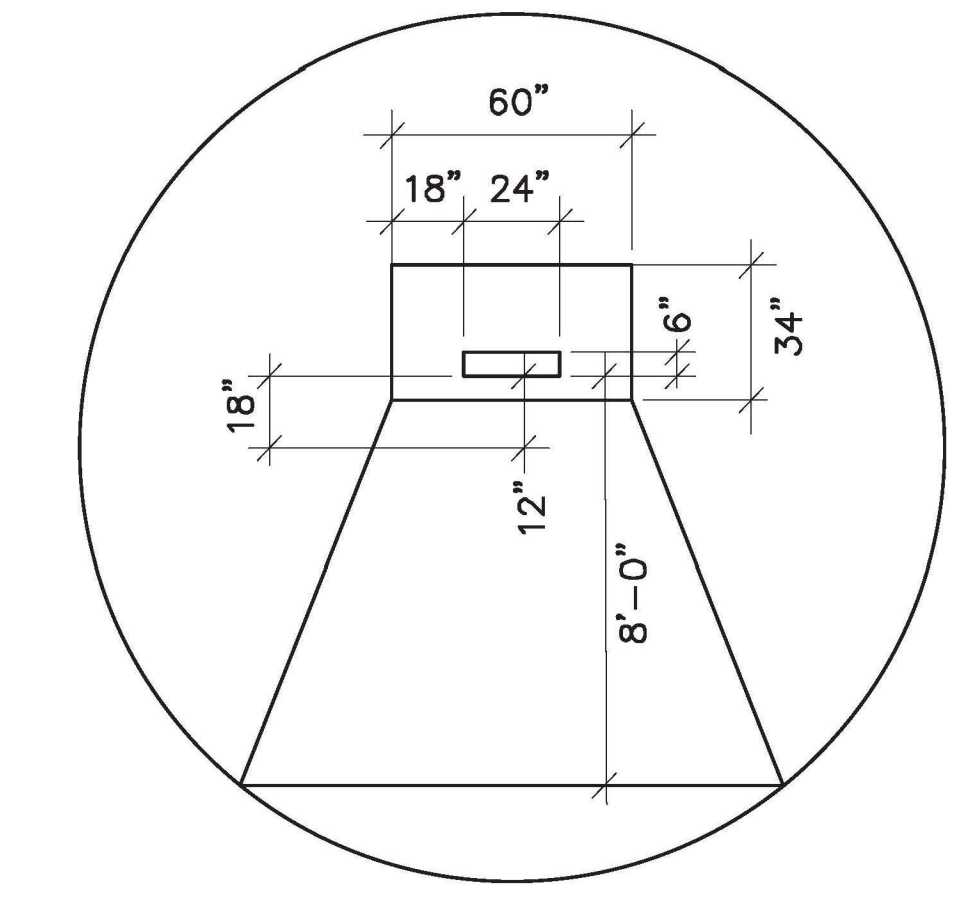
SUPPLIER:
MID-AMERICA
SPORTS ADVANTAGE
800-264-4519



3 INFIELD BASES
SCALE: 1" = 1'-0"



4 BATTER'S BOX
SCALE: 1/4" = 1'-0"



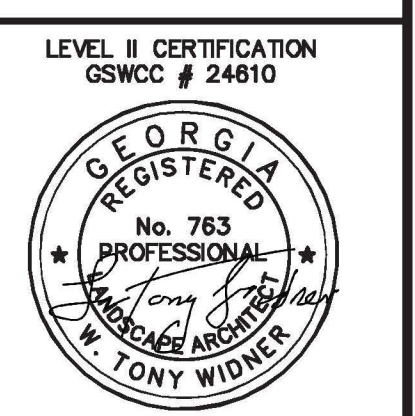
5 PITCHER'S MOUND
SCALE: 1/4" = 1'-0"

STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME _____ DRAWING # _____

REVISIONS:

1.	
2.	
3.	
4.	

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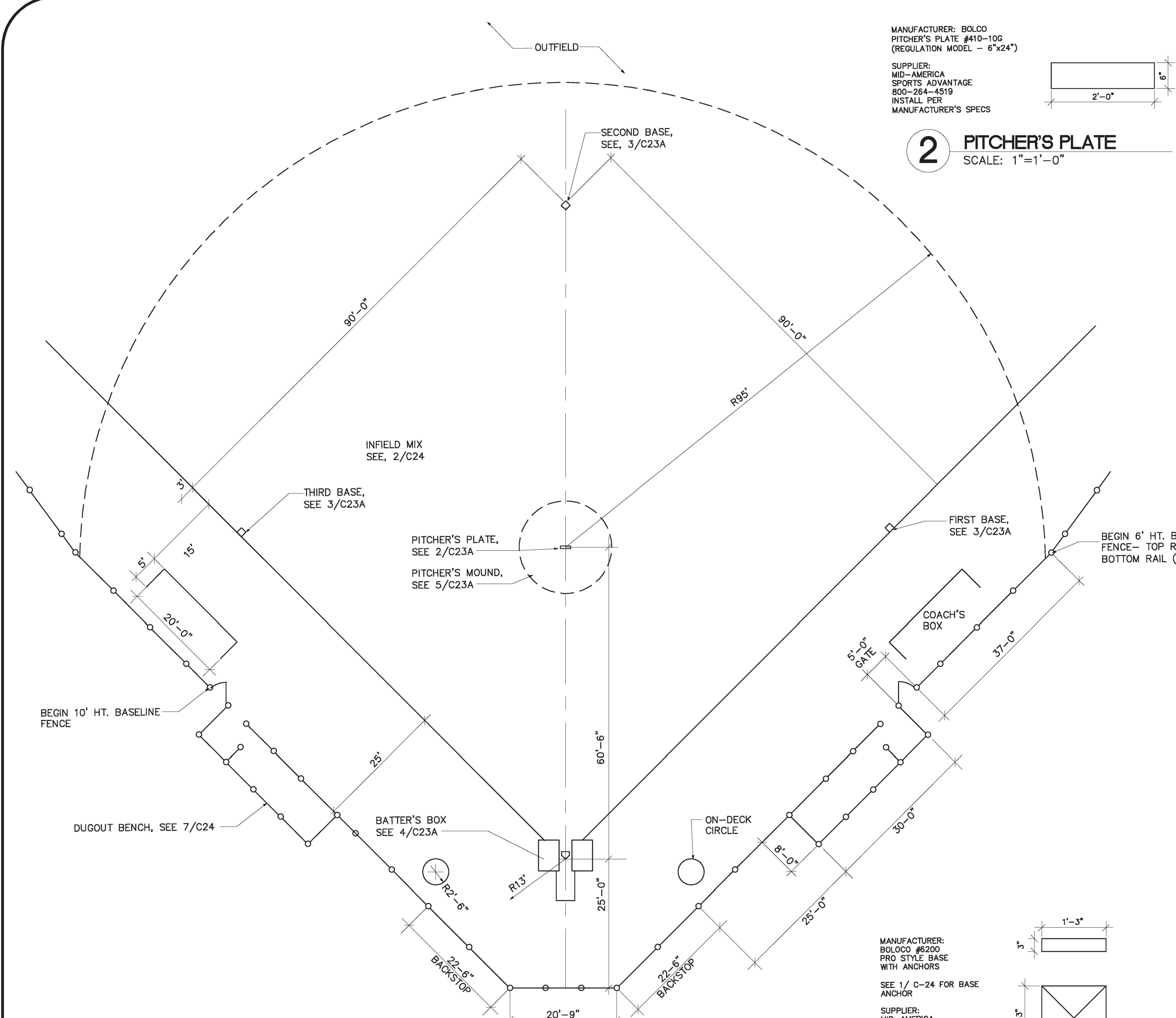
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FIELDS (2,4,5 & 6) CONSTRUCTION DETAILS FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

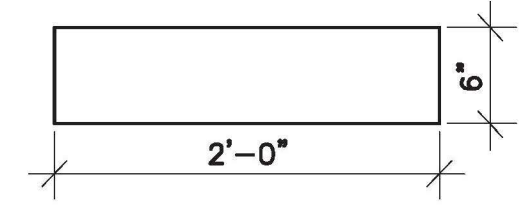
DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-23
SCALE: AS SHOWN
APPROV. _____

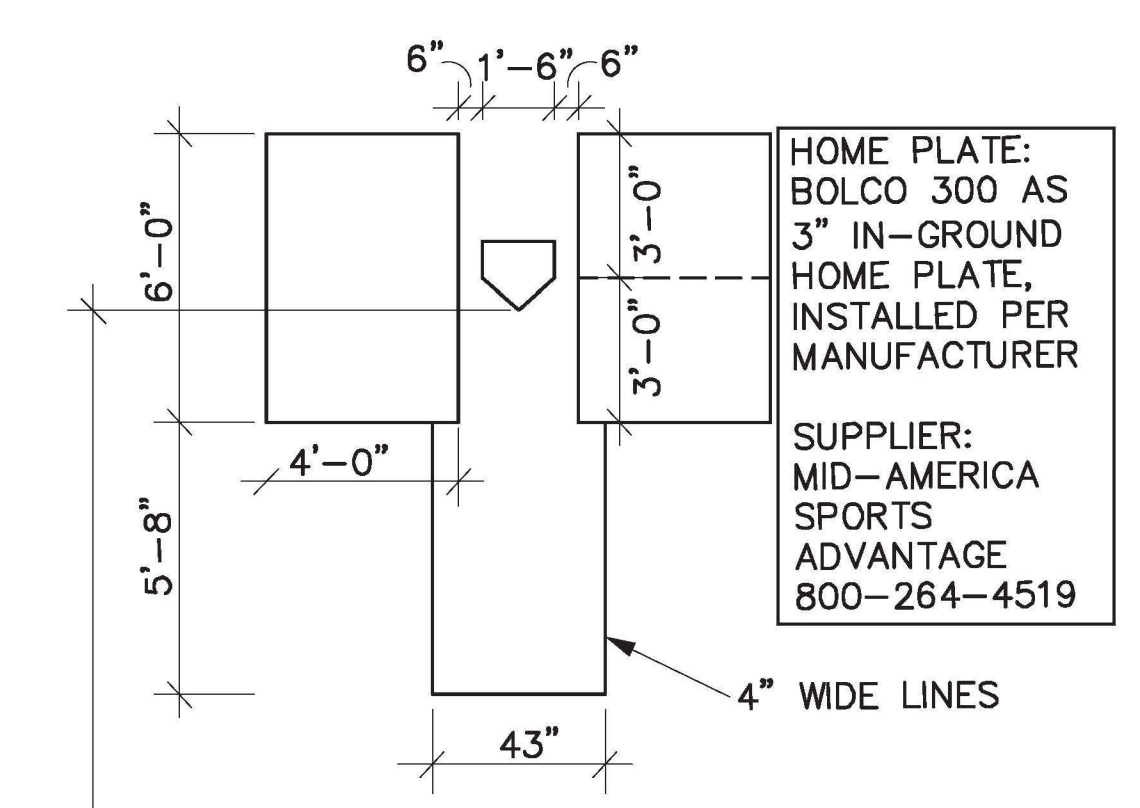


MANUFACTURER: BOLCO
 PITCHER'S PLATE #410-10G
 (REGULATION MODEL - 6"x24")

SUPPLIER:
 MID-AMERICA
 SPORTS ADVANTAGE
 800-264-4519
 INSTALL PER
 MANUFACTURER'S SPECS



2 PITCHER'S PLATE
 SCALE: 1"=1'-0"

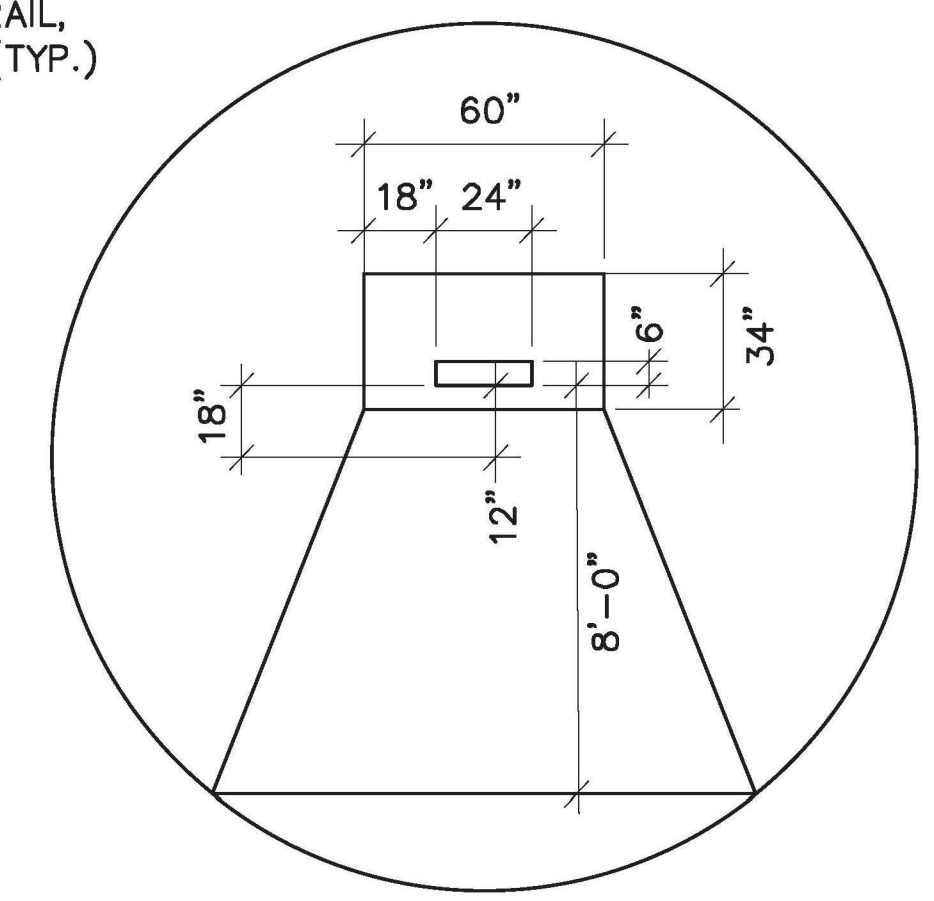


HOME PLATE:
 BOLCO 300 AS
 3" IN-GROUND
 HOME PLATE,
 INSTALLED PER
 MANUFACTURER

SUPPLIER:
 MID-AMERICA
 SPORTS
 ADVANTAGE
 800-264-4519

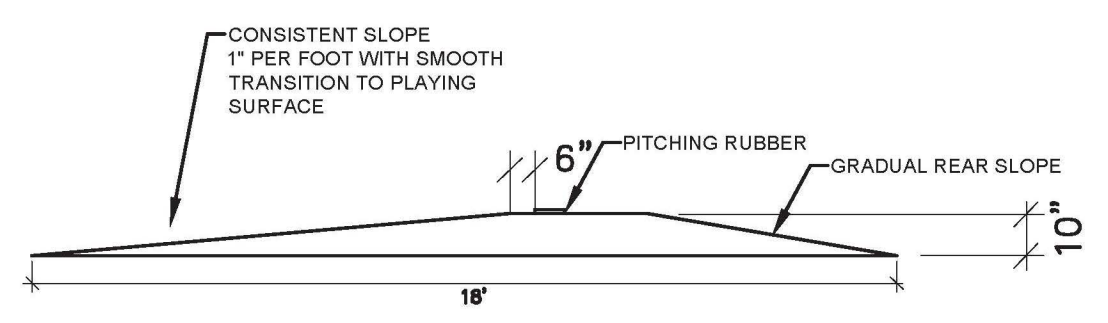
- CONTRACTOR SHALL LINE:
1. BATTER'S BOX
 2. CATCHER'S BOX
 3. BASE LINE - OUT TO FOUL POLE
 4. COACHES BOXES
 5. 1ST & 3RD BOUNDS LINES

4 BATTER'S BOX
 SCALE: 1/4" = 1'-0"



NOTE: THE BASEBALL PITCHING MOUND IS A 12' DIAMETER CIRCLE. THE CENTER IS LOCATED ALONG AN INVISIBLE LINE EXTENDING FROM THE APEX OF HOME PLATE THROUGH THE CENTER OF 2ND BASE. THE FRONT, CENTER EDGE OF THE PITCHING RUBBER IS LOCATED 12" OFF THE CENTER OF THE MOUND SEE DETAIL. THE DISTANCE FROM THE APEX OF HOME PLATE IS 60".

THE PITCHER'S MOUND IS CONSTRUCTED FROM A SOIL MIXTURE OF 40% SAND 20% LOAM AND 40% CLAY

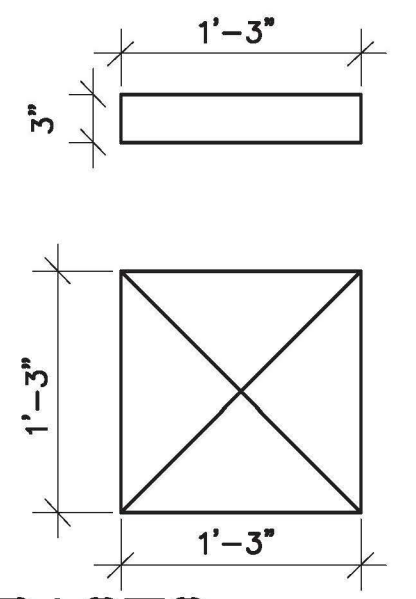


5 PITCHER'S MOUND
 SCALE: 1/4" = 1'-0"

MANUFACTURER:
 BOLOCO #6200
 PRO STYLE BASE
 WITH ANCHORS

SEE 1/ C-24 FOR BASE ANCHOR

SUPPLIER:
 MID-AMERICA
 SPORTS ADVANTAGE
 800-264-4519



3 INFIELD BASES
 SCALE: 1"=1'-0"

STAMP HERE FOR DEPARTMENT APPROVAL
 DRAWING NAME _____ DRAWING # _____

REVISIONS:

1.	
2.	
3.	
4.	

1A 90' BASELINE LAYOUT
 SCALE: 1" = 10.0' (FIELD 3)

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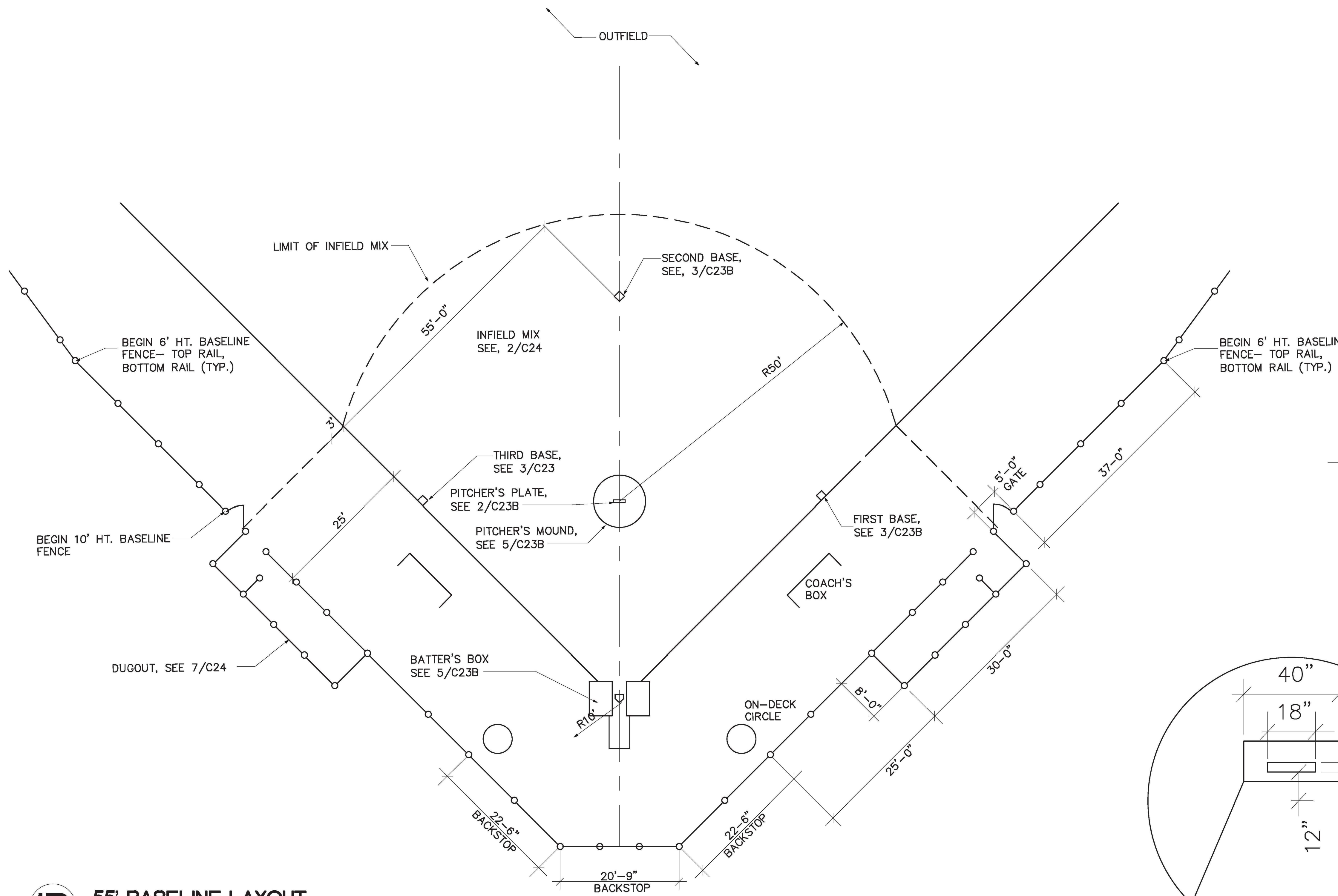
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FIELD 3 CONSTRUCTION DETAILS FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160

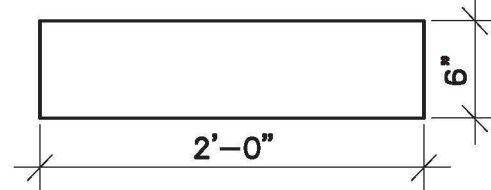
DATE: 06/01/2021
 DRAWN BY: FRH
 CHECKED BY: WTW
 PROJECT #: 9999-012

SHEET
C-23A
 SCALE: AS SHOWN
 APPROV.



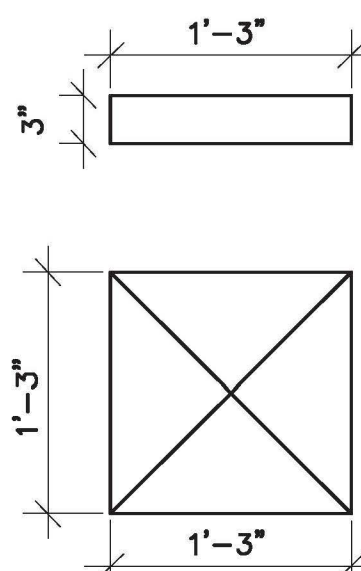
1B 55' BASELINE LAYOUT
SCALE: 1" = 10.0' (FIELD 1)

MANUFACTURER: BOLCO
PITCHER'S PLATE #410-10G
(REGULATION MODEL - 6"x24")
SUPPLIER:
MID-AMERICA
SPORTS ADVANTAGE
800-264-4519
INSTALL PER
MANUFACTURER'S SPECS

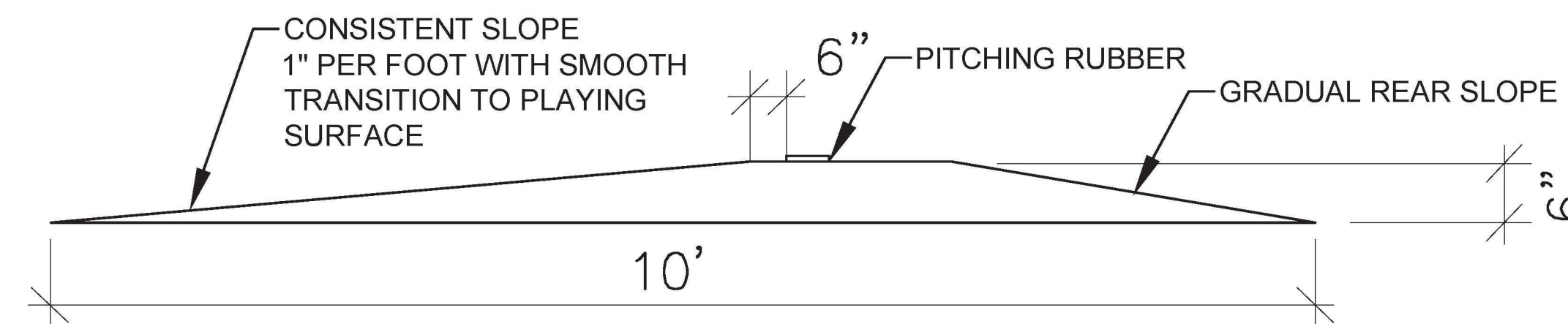


2 PITCHER'S PLATE
SCALE: 1" = 1'-0"

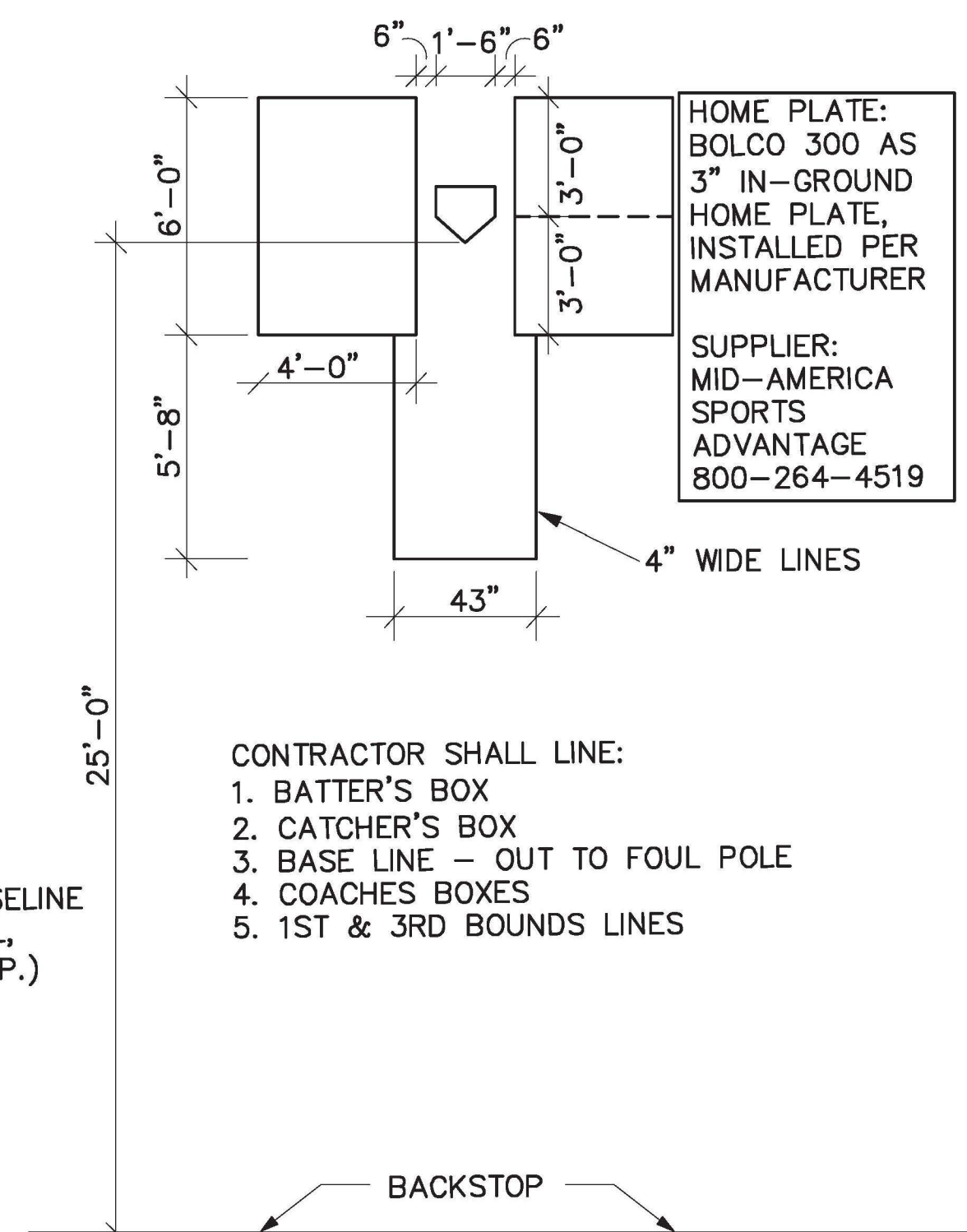
MANUFACTURER:
BOLOCO #6200
PRO STYLE BASE
WITH ANCHORS
SEE 1/ C-24 FOR BASE
ANCHOR
SUPPLIER:
MID-AMERICA
SPORTS ADVANTAGE
800-264-4519



3 INFIELD BASES
SCALE: 1" = 1'-0"

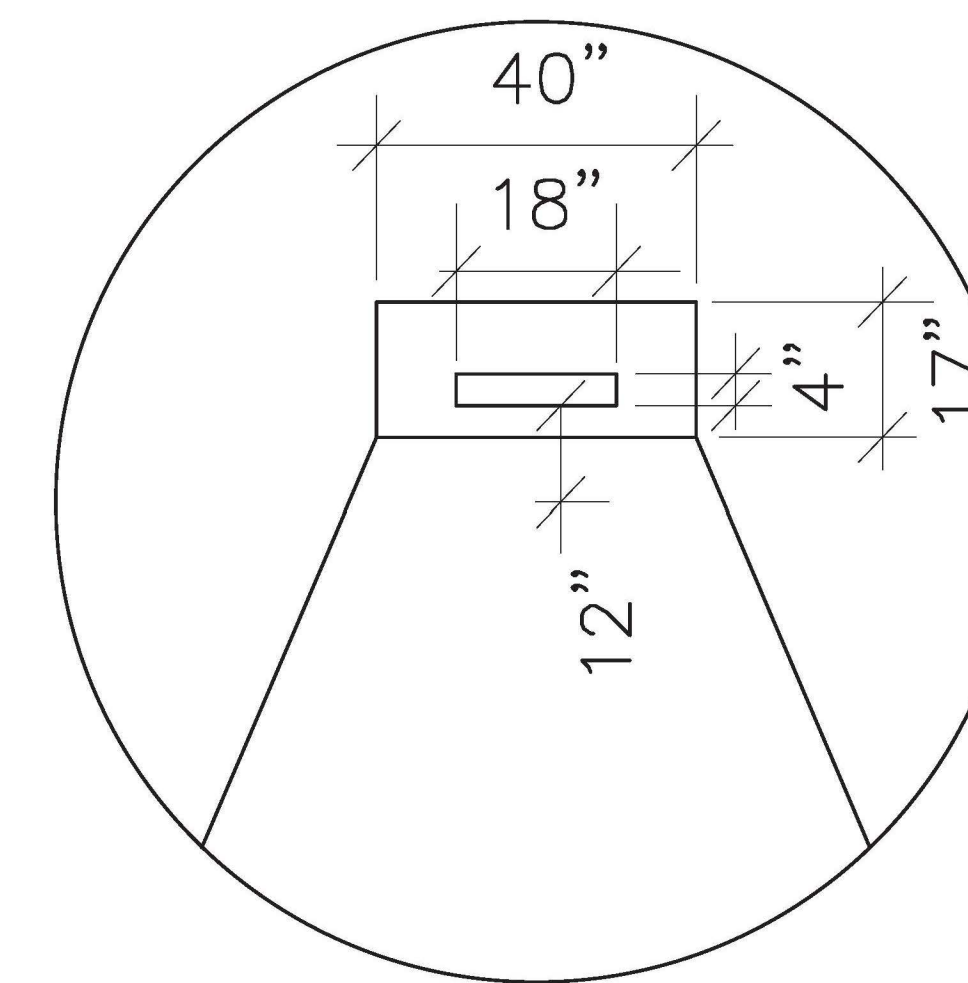


5 PITCHER'S MOUND
SCALE: 1/4" = 1'-0"



- CONTRACTOR SHALL LINE:
1. BATTER'S BOX
 2. CATCHER'S BOX
 3. BASE LINE - OUT TO FOUL POLE
 4. COACHES BOXES
 5. 1ST & 3RD BOUNDS LINES

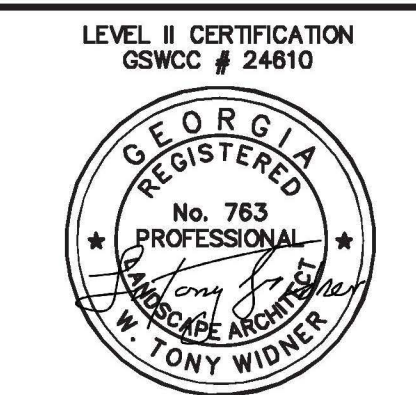
4 BATTER'S BOX
SCALE: 1/4" = 1'-0"



NOTE: THE BASEBALL PITCHING MOUND IS A 18" DIAMETER CIRCLE. THE CENTER IS LOCATED ALONG AN INVISIBLE LINE EXTENDING FROM THE APEX OF HOME PLATE THROUGH THE CENTER OF 2ND BASE. THE FRONT, CENTER EDGE OF THE PITCHING RUBBER IS LOCATED 12" OFF THE CENTER OF THE MOUND SEE DETAIL THE DISTANCE OF THE PITCHING RUBBER FROM THE APEX OF HOME PLATE IS 35'.

THE PITCHER'S MOUND IS CONSTRUCTED FROM A SOIL MIXTURE OF 40% SAND 20% LOAM AND 40% CLAY

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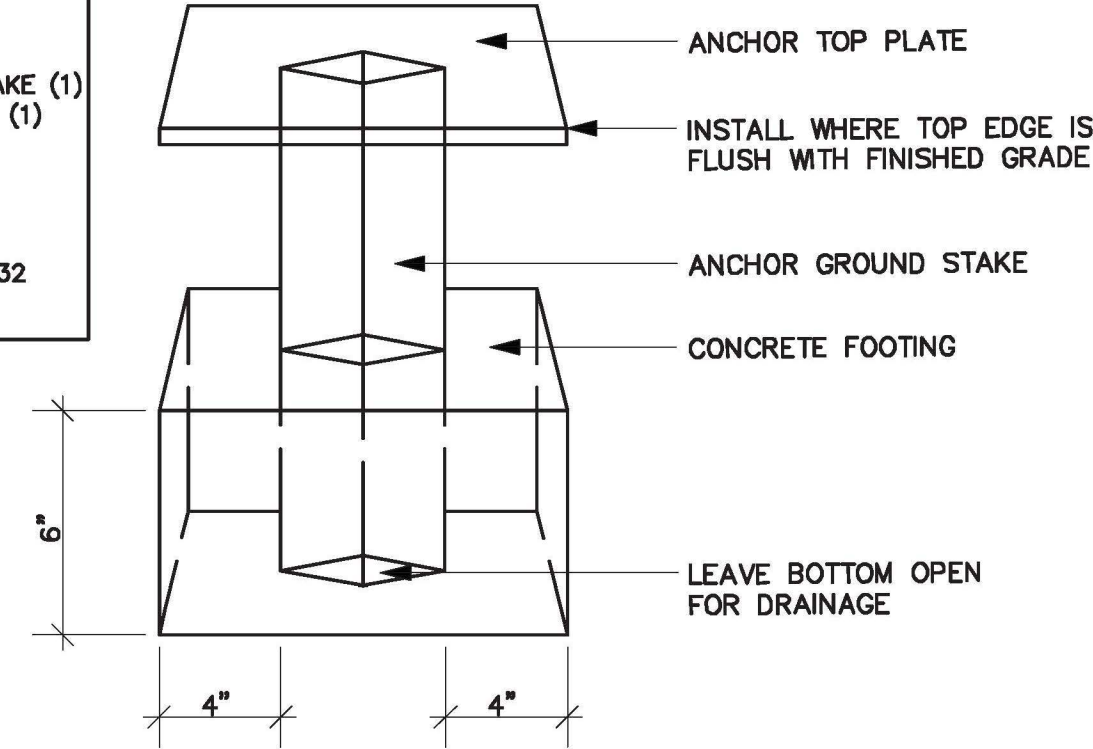
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FIELD 1 CONSTRUCTION DETAILS FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012
SHEET C-23B
SCALE: AS SHOWN
APPROV.

MANUFACTURER
BOLCO #205 BA
(SET OF 3)
EXTRA
225-BAS: GROUND STAKE (1)
245-BAT: TOP PLATE (1)
SUPPLIER:
PARALLEL & COMPANY
4542 MEMORIAL DRIVE
SUITE 208
DECATUR GEORGIA 30032
(404)299-2414



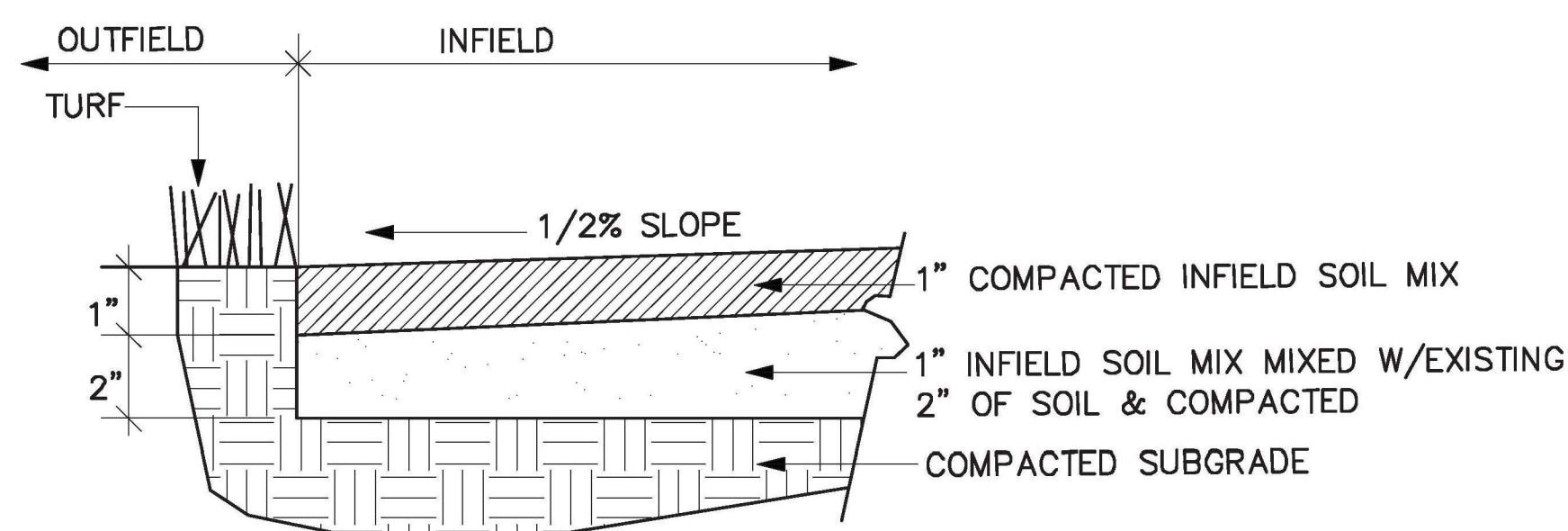
1 BASE ANCHOR
NTS

STANDARD FOLDING BACKSTOP
PADDING (36993D) BY DOUGLAS
INDUSTRIES, DOUGLAS-SPORTS.COM
COLOR BY OWNER. (3'Hx12'L)

5 BACKSTOP PADDING
NTS

PREMIUM FENCE GUARD (36982) BY
DOUGLAS INDUSTRIES,
(DOUGLAS-SPORTS.COM),
SAFETY YELLOW IN COLOR.

6 PREMIUM FENCE GUARD
NTS



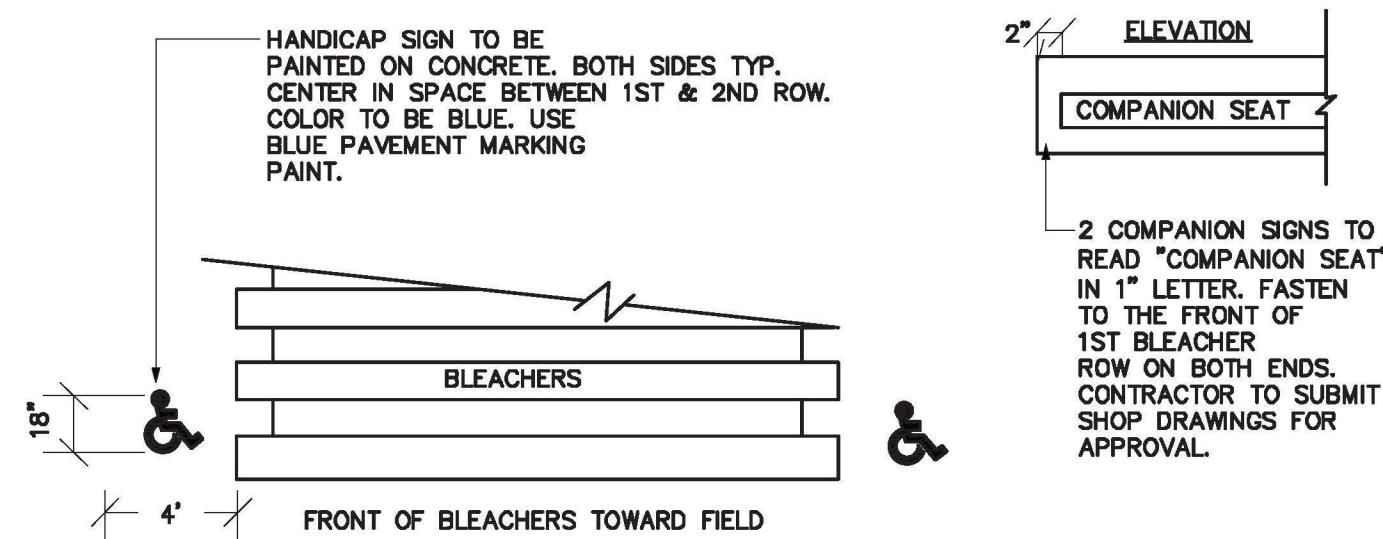
INSTALLATION PROCESS:

1. PREPARE INFIELD TO SUBGRADE DEPTH
2. SPREAD 1" INFIELD SOIL OVER ENTIRE INFIELD AREA. TILL INFIELD SOIL INTO TOP 2" OF SUBGRADE, LEVEL & COMPACT.
3. SPREAD ADDITIONAL 1" OF INFIELD SOIL OVER ENTIRE INFIELD, LEVEL & COMPACT. FINISH GRADE INFIELD SHOULD BE LEVEL WITH OUTFIELD GRASS.

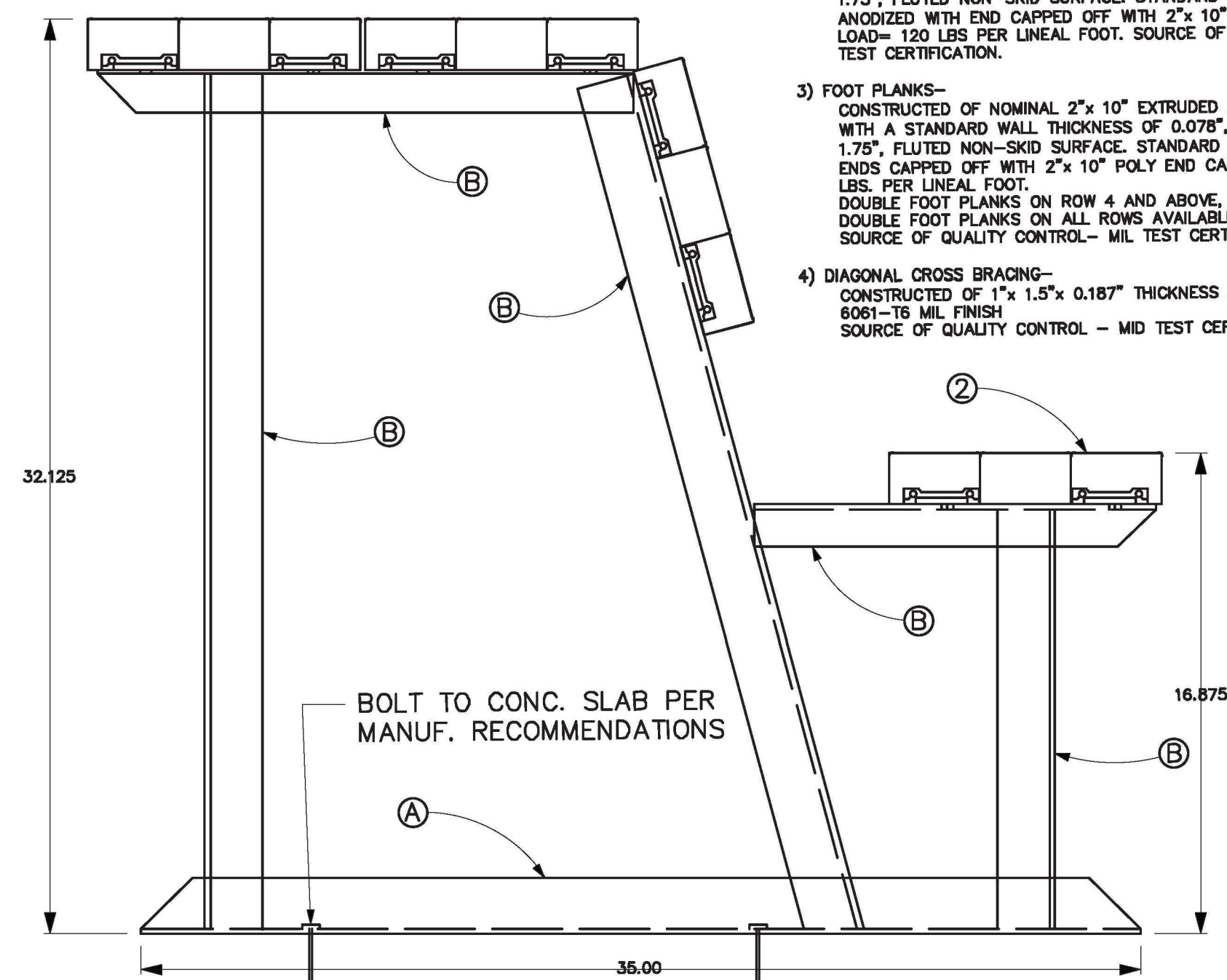
2 INFIELD MIX
NTS

3 ROW, 21'-0", ANODIZED ALUMINUM
BLEACHERS BY BASEBALL TIPS.COM,
800-487-7432

3 BLEACHER DETAIL
NTS

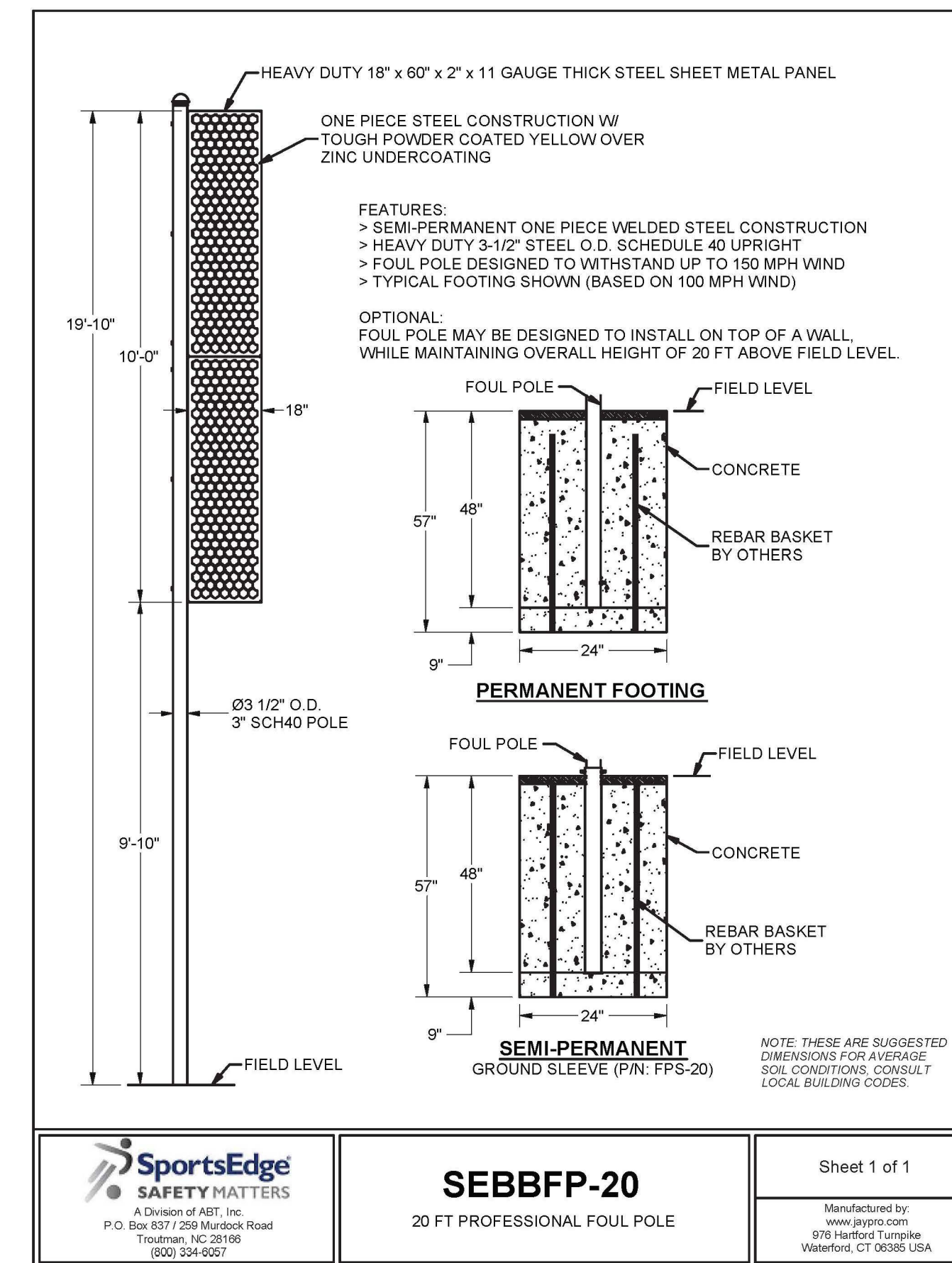


**4 HANDICAPPED SEATING AREA
AT LOCATIONS FOR BLEACHERS**
NTS



"PLAYER'S BENCH WITH SHELF" BY
BASEBALLTIPS.COM, 800-487-7432,
COLOR BY OWNER. SEE PLANS FOR
LENGTHS.

7 DUG OUT BENCH
NTS



8 FOUL POLE
NTS

PRODUCT DESCRIPTION / MATERIALS / FINISHES

- 1) UNDERSTRUCTURE
CONSTRUCTED OF PREFABRICATED ALUMINUM ANGLE. UNDERSTRUCTURE FRAMES ARE SPACED AT 6' INTERVALS AND JOINED TOGETHER BY ALUMINUM ANGLE CROSS BRACING. MATERIAL USED IS ALUMINUM ALLOY 6061-T6 MILL FINISH.
- 2) SEAT PLANKS
CONSTRUCTED OF NOMINAL 2"x 10" EXTRUDED ALUMINUM ALLOY 6063-T6 WITH A STANDARD WALL THICKNESS OF 0.078", STANDARD LEG HEIGHT OF 1.75", FLUTED NON-SKID SURFACE. STANDARD FINISH TO BE CLEAR ANODIZED WITH END CAPPED OFF WITH 2"x 10" POLY AND CAPS. DESIGN LOAD= 120 LBS PER LINEAL FOOT. SOURCE OF QUALITY CONTROL - MIL TEST CERTIFICATION.
- 3) FOOT PLANKS
CONSTRUCTED OF NOMINAL 2"x 10" EXTRUDED ALUMINUM ALLOY 6063-T6 WITH A STANDARD WALL THICKNESS OF 0.078", STANDARD LEG HEIGHT OF 1.75", FLUTED NON-SKID SURFACE. STANDARD FINISH TO BE CLEAR ANODIZED WITH END CAPPED OFF WITH 2"x 10" POLY AND CAPS. DESIGN LOAD = 120 LBS. PER LINEAL FOOT. DOUBLE FOOT PLANKS ON ROW 4 AND ABOVE. DOUBLE FOOT PLANKS ON ALL ROWS AVAILABLE. SOURCE OF QUALITY CONTROL - MIL TEST CERTIFICATION.
- 4) DIAGONAL CROSS BRACING
CONSTRUCTED OF 1"x 1.5"x 0.187" THICKNESS ALUMINUM ANGLE. 6061-T6 MILL FINISH. SOURCE OF QUALITY CONTROL - MID TEST CERTIFICATION.

STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME _____ DRAWING # _____

REVISIONS:

- 1.
- 2.
- 3.
- 4.



LEVEL II CERTIFICATION
GSWCC # 24810



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FIELD CONSTRUCTION DETAILS FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160 4TH LAND DISTRICT

DATE: 06/01/2021 SHEET C-24
DRAWN BY: FRH
CHECKED BY: WTW SCALE: AS SHOWN
PROJECT #: 9999-012 APPROV.

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LEVEL II CERTIFICATION
GSWCC # 24810

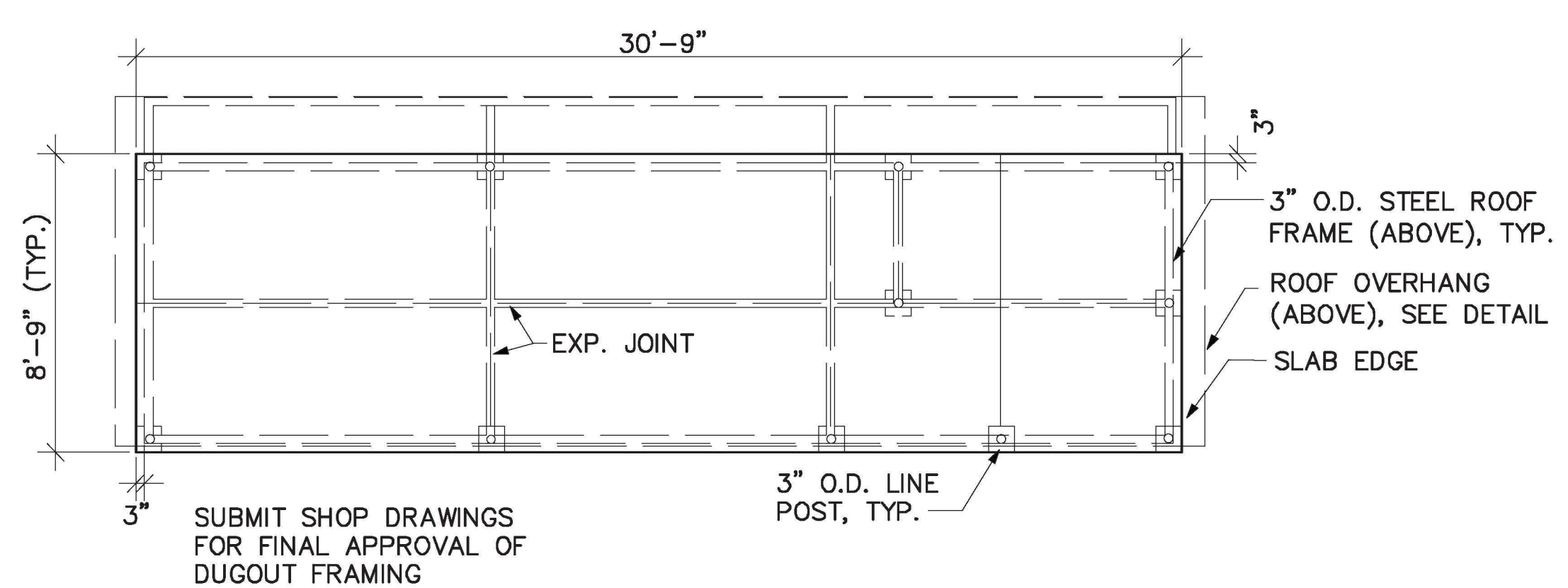
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EMAIL: widner@widner-usa.com WEBSITE: www.widner-usa.com

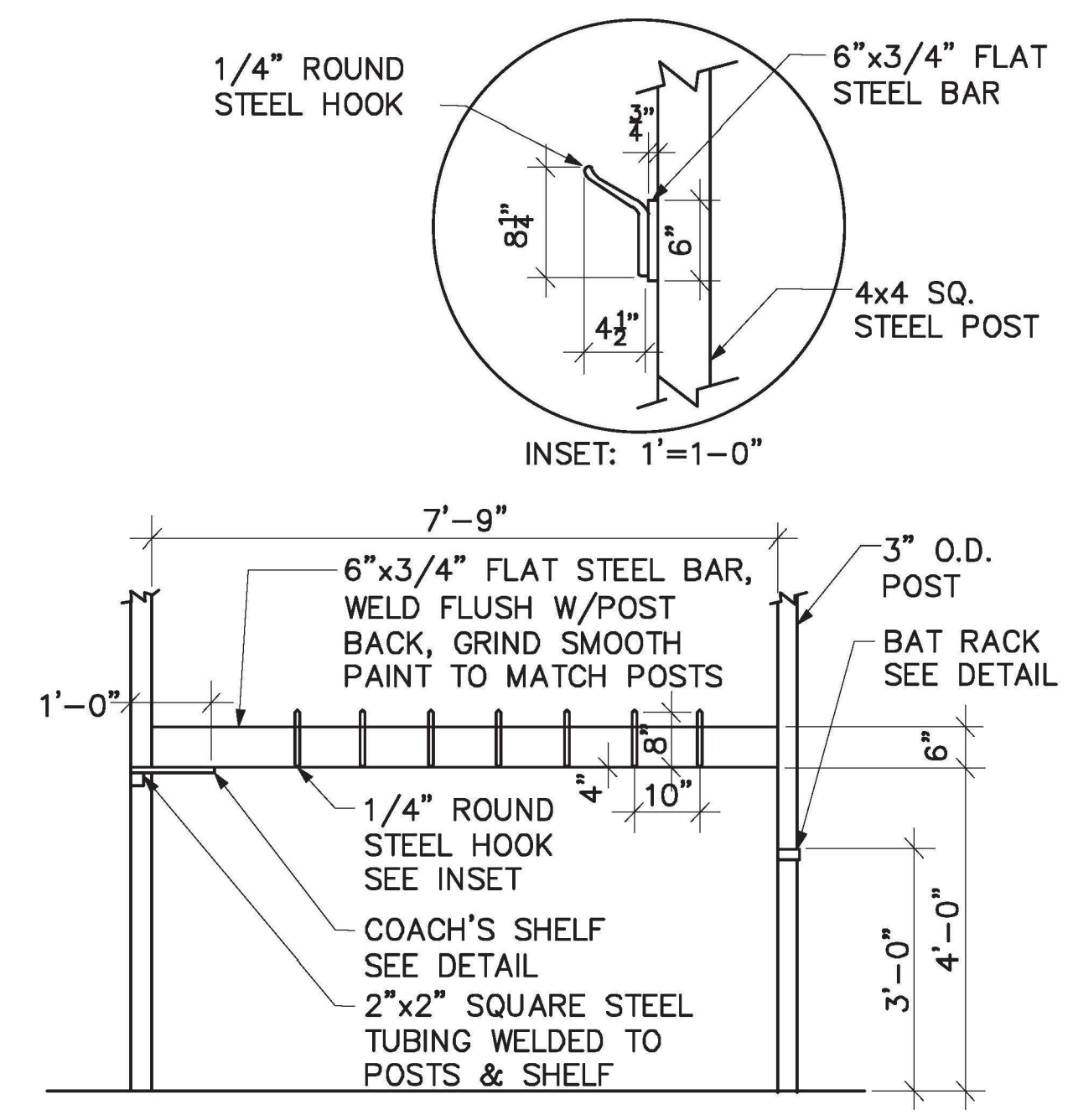
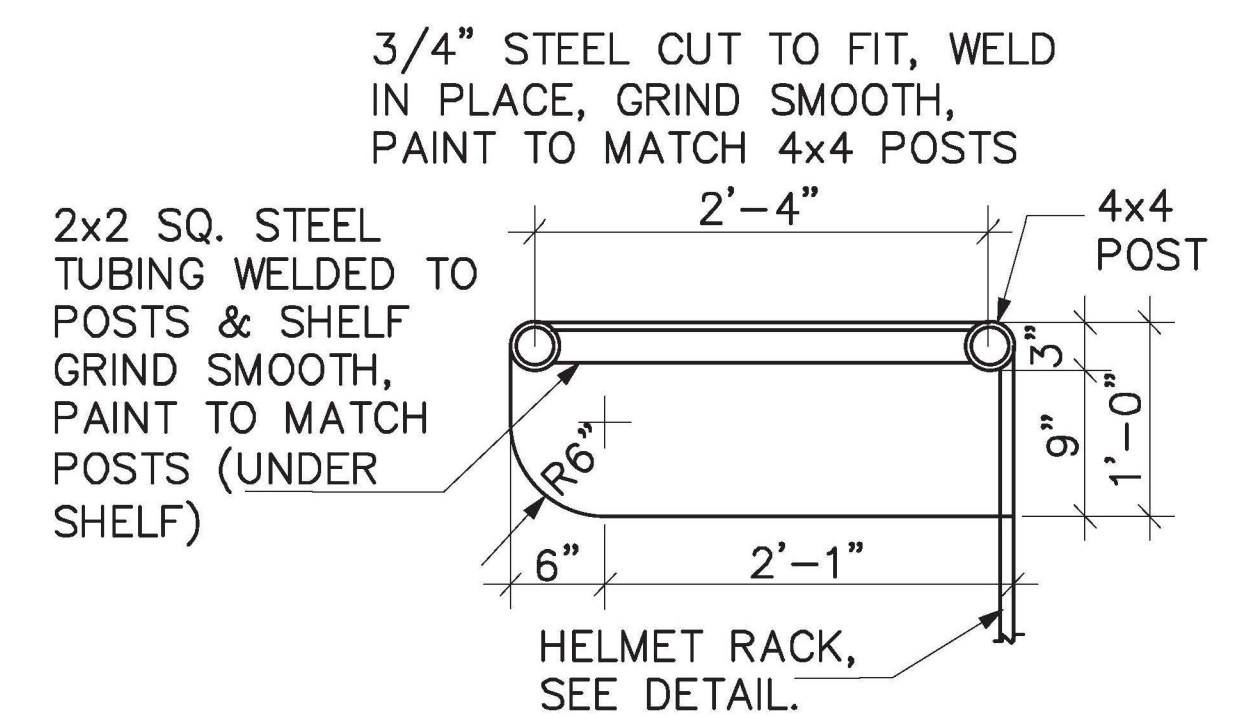
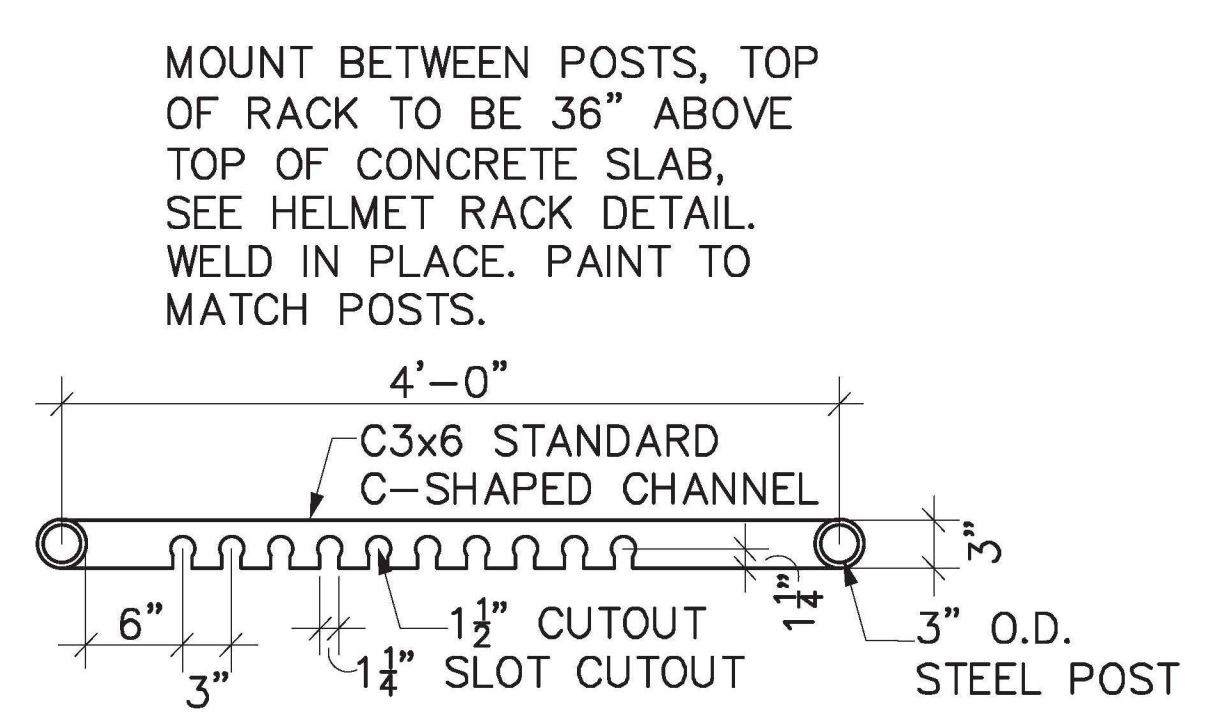
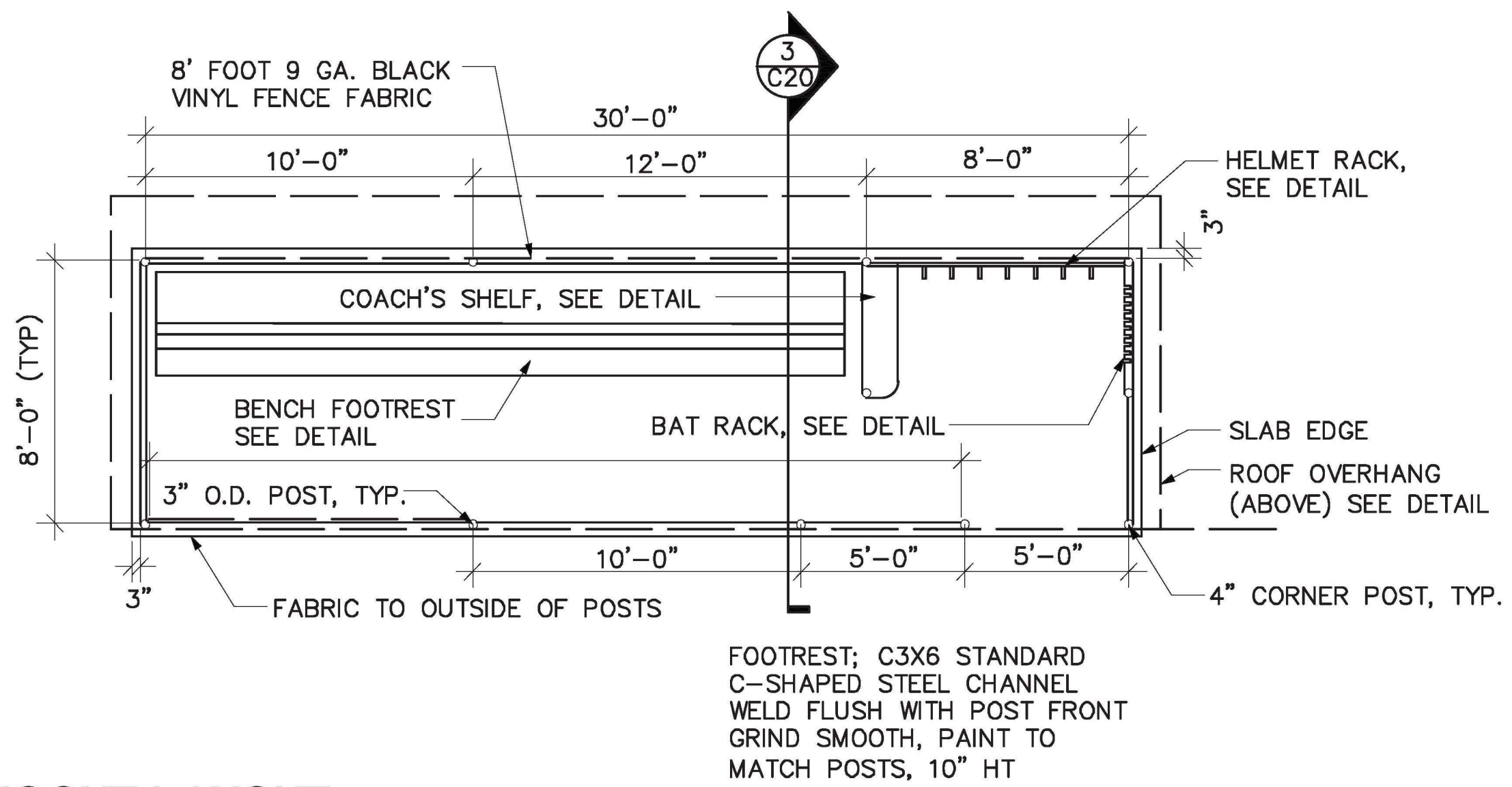
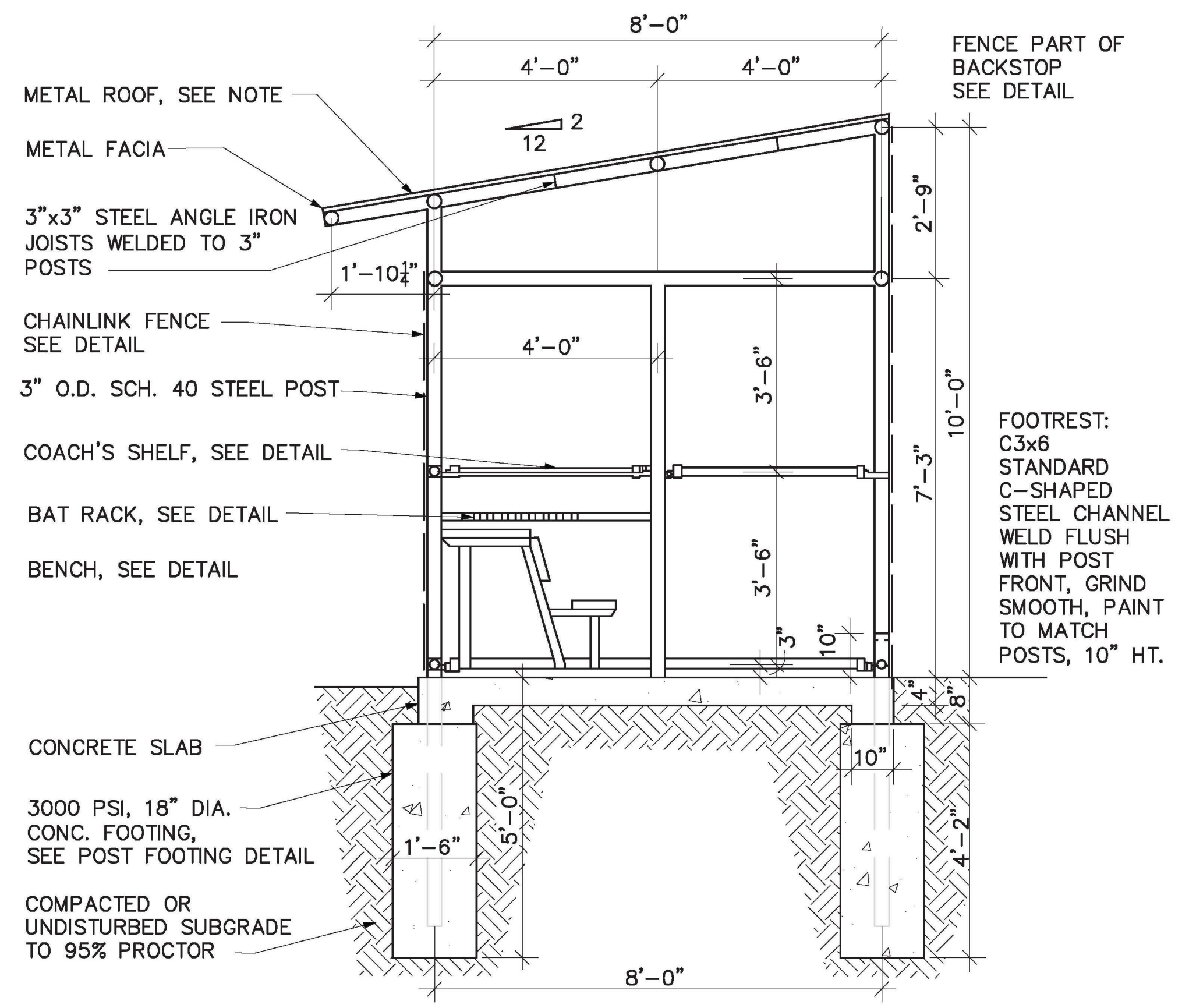
FIELD CONSTRUCTION DETAILS FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-25
SCALE: AS SHOWN
APPROV.



ROOFING NOTE: MIGHTY-RIB, 20 GA. CORRUGATED METAL ROOFING PANEL BY FABRAL, DISTURBED BY ORION ASSOCIATES, 866-913-6551 OR APPROVED EQUAL COLOR TO BE SELECTED BY OWNER, PROVIDE EDGE TRIM PROTECTION PER MANUFACTURER'S RECOMMENDED SYSTEM. INSTALL FASTENERS IN RIBS PER MANUFACTURER'S RECOMMENDATIONS TO AVOID EXPOSED POINTS OF FASTENERS BELOW DECKING. INSTALL WITH UNDERLAYMENT AND INSTALL ALL COMPONENTS PER MANUFACTURER'S RECOMMENDATIONS.



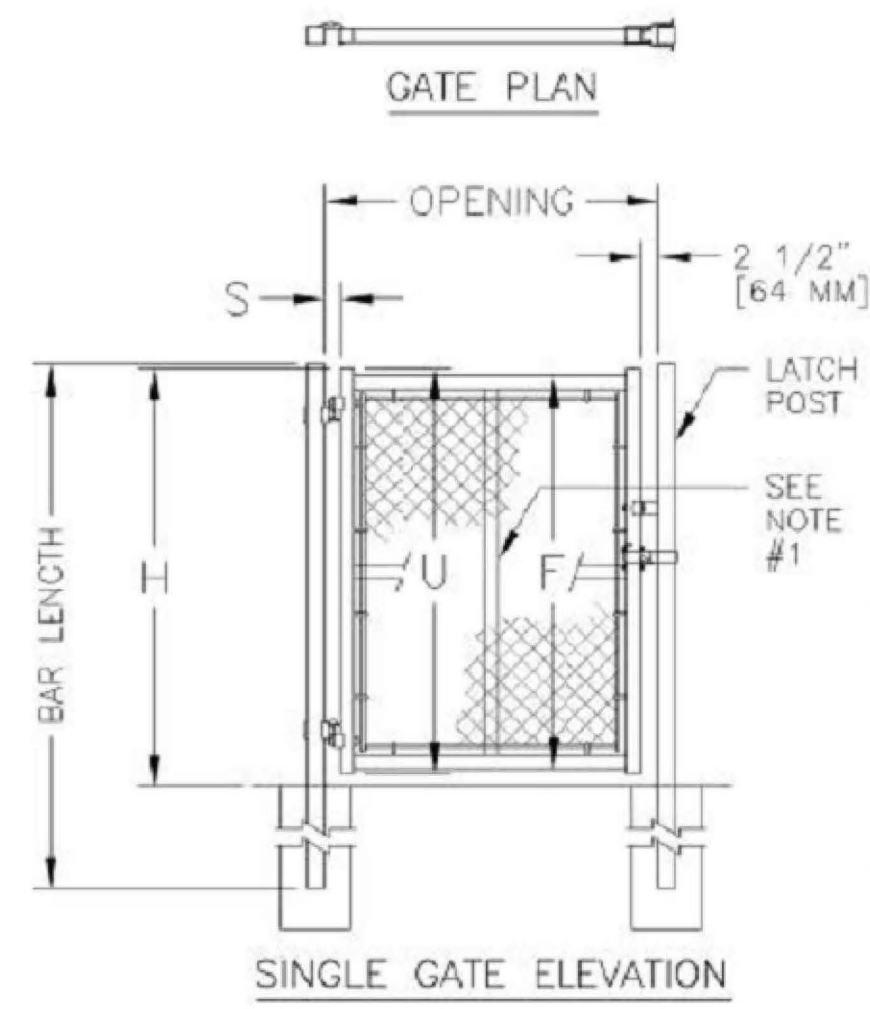
- NOTES:
1. ALL POSTS SHALL BE EQUIPPED WITH EITHER LINE POST CAPS OR STANDARD CAPS TO KEEP MOISTURE OUT OF POST, SEE DETAIL SHEET.
 2. ALL FENCING SHALL BE BLACK VINYL COATED, KNUCKLED AT TOP AND BOTTOM.
 3. CHANGES IN REQUIRED PLANS DUE TO SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR APPROVAL.
 4. SOFT STEEL TIES. (9 GAUGE TO MATCH FENCE FABRIC COATING)
 5. ALL POSTS AND RAILS TO BE GALVANIZED, SCHEDULE 40, AND PAINTED BLACK.
 6. ALL WELDS TO BE GROUND SMOOTH AND PAINTED BLACK.

NOTE: ALL FENCE FABRIC, POSTS RAILS, HARDWARE, ETC. TO BE FUSION BONDED PVC COATED, COLOR BLACK, GAUGE OF FUSION BONDED FENCING TO REFER TO CORE WIRE SIZE, NOT TOTAL DIAMETER OF WIRE WITH COATING.

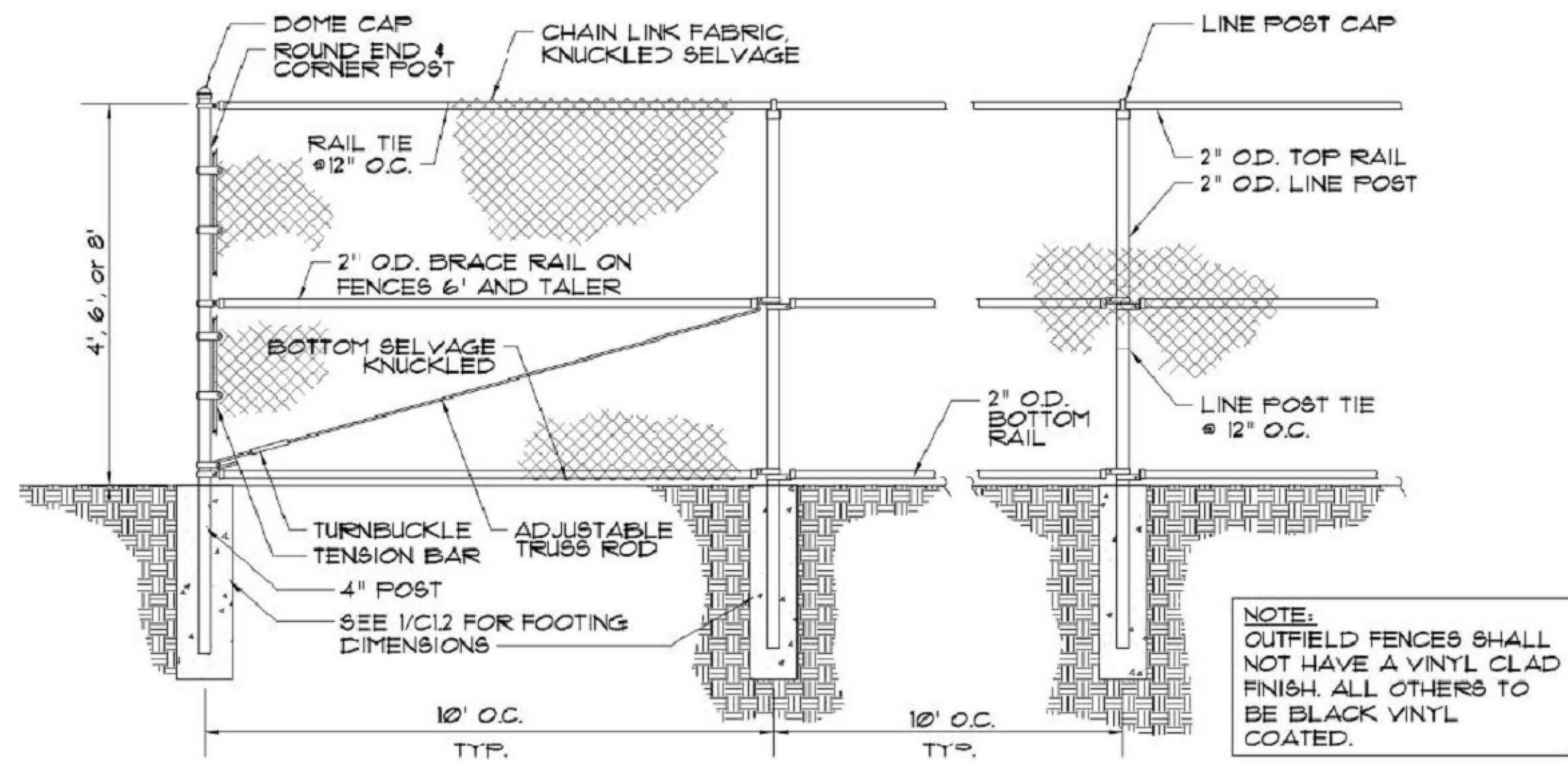
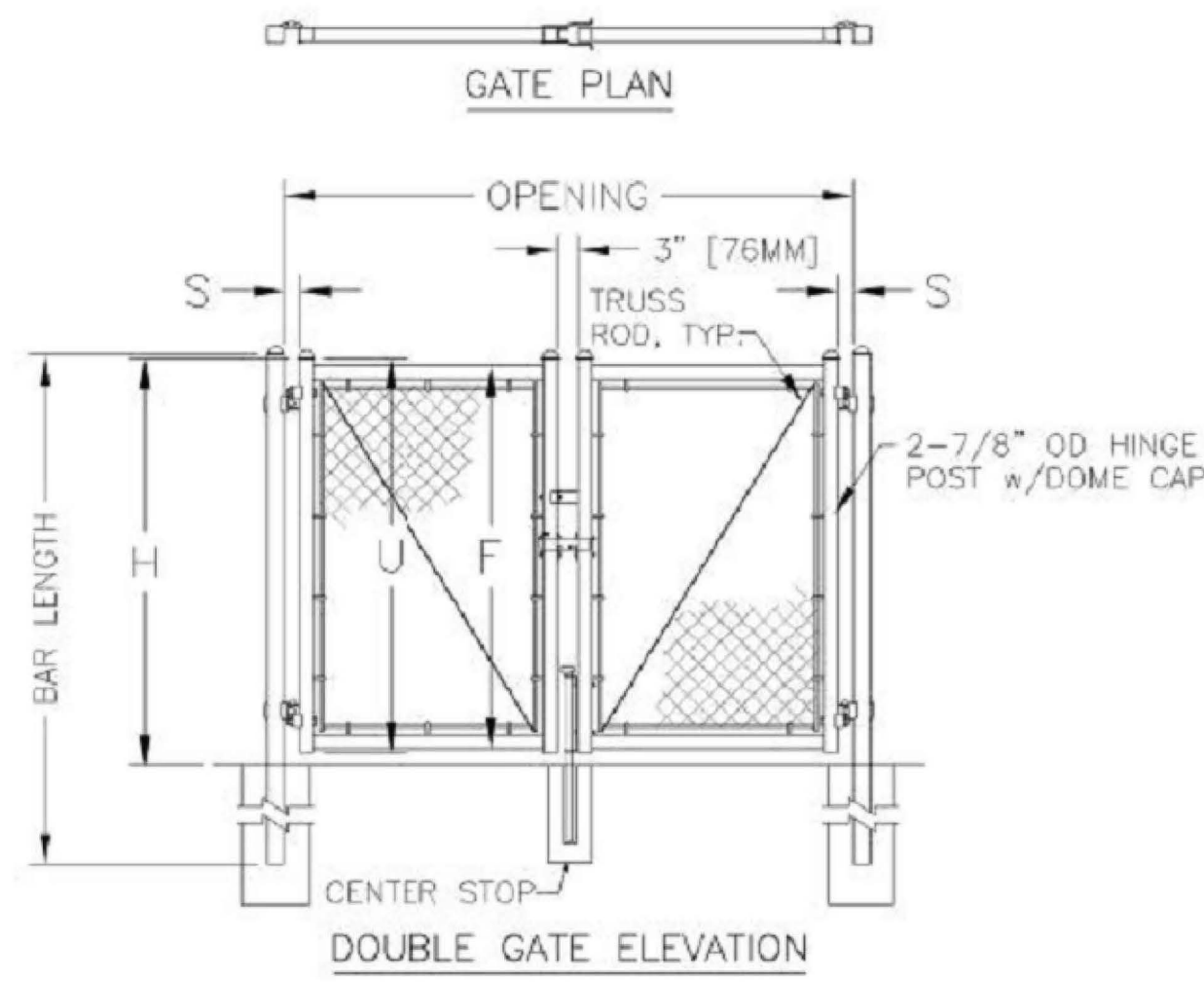
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DRAWING NAME _____ DRAWING # _____

REVISIONS:

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SINGLE OR DOUBLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
WITHOUT BARBED WIRE	ACTUAL DIM	ACTUAL DIM
3'-0"	2'-10"	2'-8 1/2"
3'-6"	3'-4"	3'-2 1/2"
4'-0"	3'-10"	3'-8 1/2"
5'-0"	4'-10"	4'-8 1/2"
6'-0"	5'-10"	5'-8 1/2"
7'-0"	6'-10"	6'-8 1/2"
8'-0"	7'-10"	7'-8 1/2"
9'-0"	8'-10"	8'-8 1/2"
10'-0"	9'-10"	9'-8 1/2"
11'-0"	10'-10"	10'-8 1/2"
12'-0"	11'-10"	11'-8 1/2"



SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
3'-0" [914MM]	2 1/2" [63.5MM] SQ OR 2.875" [73MM] OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

DOUBLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
14'-0" [4267MM] THROUGH 24'-0" [7319MM]	3" [76MM] SQ OR 4" [102MM] OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

1 CHAINLINK GATE

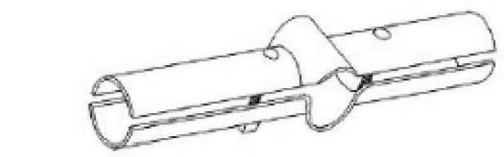
NTS

2 CHAINLINK FENCE

NTS

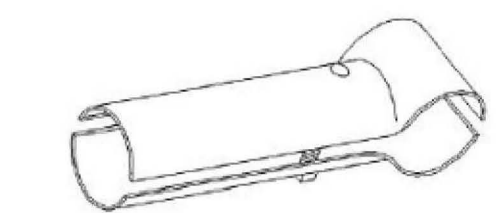
NOTE: ALL GALVANIZED FITTINGS TO CONFORM TO ASTM-A153.

- NO. 2251 1-5/8" x 1-5/8"
- NO. 2186 2" x 1-5/8"
- NO. 2188 2-3/8" x 1-5/8"
- NO. 2189 3" x 1-5/8"

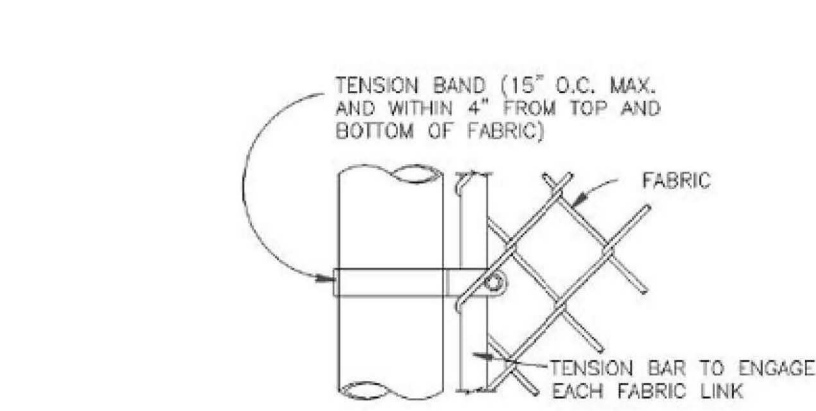


LINE RAIL CLAMP

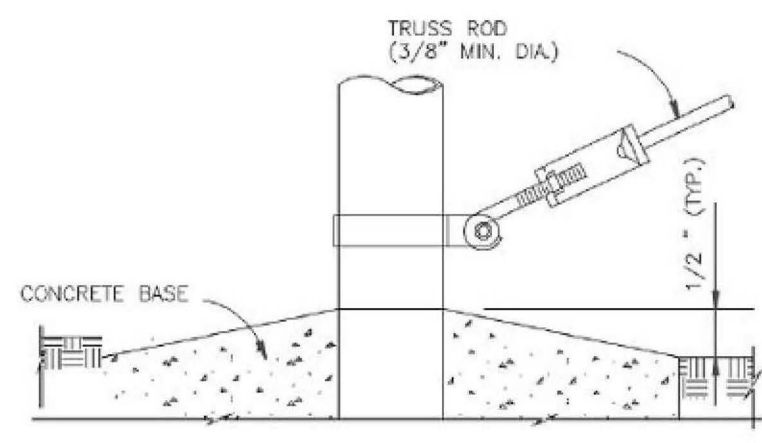
- NO. 2177 1-5/8" x 1-5/8"
- NO. 2179 2" x 1-5/8"
- NO. 2180 2-3/8" x 1-3/8"
- NO. 2181 2-3/8" x 1-5/8"
- NO. 2182 3" x 1-5/8"



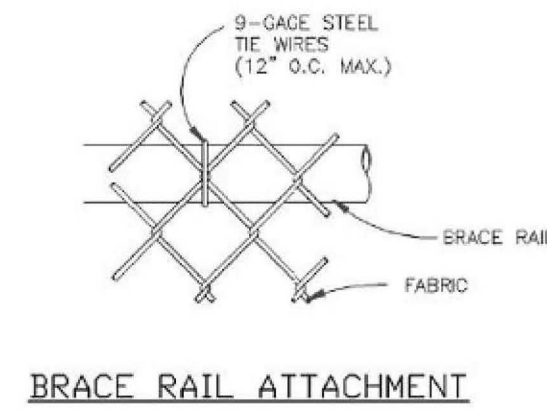
END RAIL CLAMP



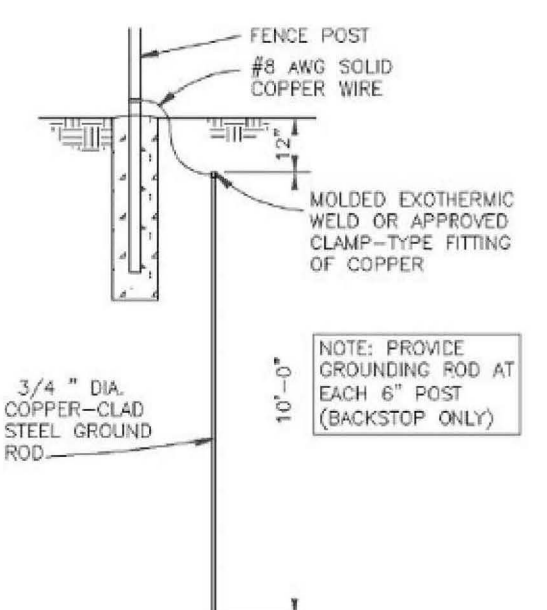
END OR GATE POST DETAIL



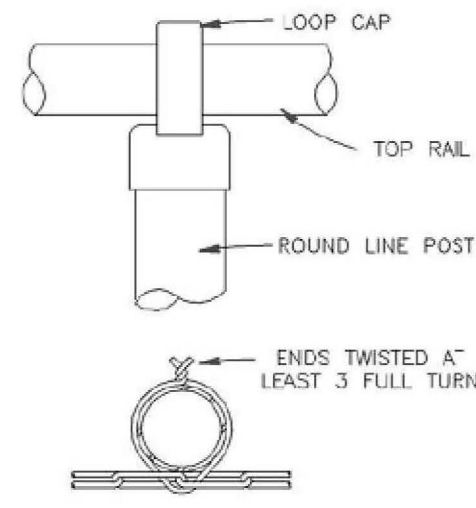
TRUSS ROD AND BAND



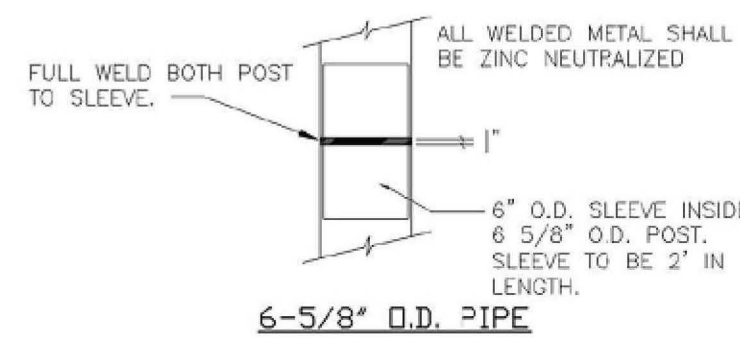
BRACE RAIL ATTACHMENT



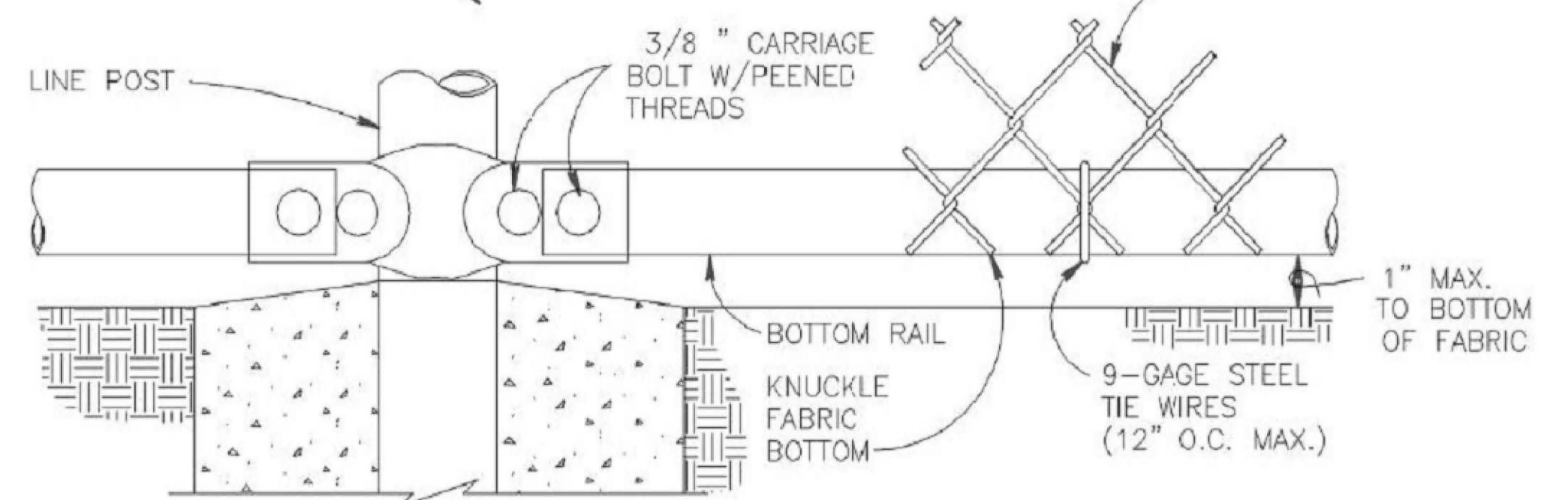
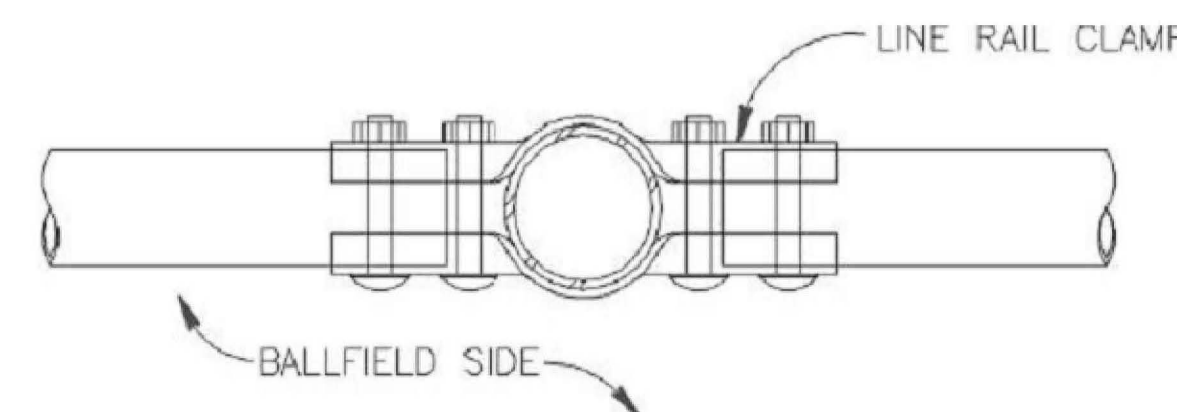
GROUNDING DETAIL



LINE POST ATTACHMENTS



BRACE RAIL CLAMP DETAIL



4 BOTTOM RAIL DETAIL

NTS

3 FENCING DETAILS

NTS

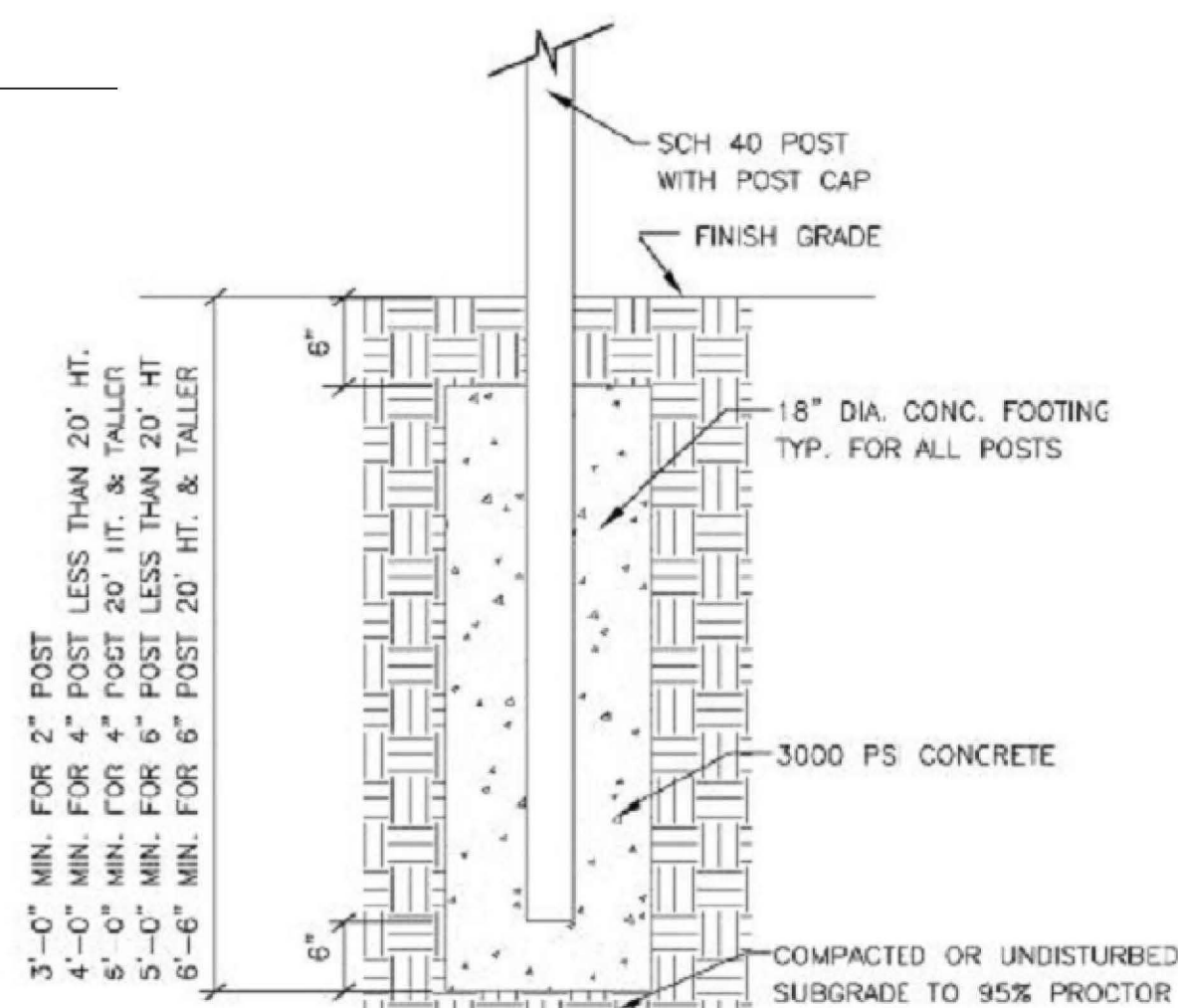
POST TOPS	TOP & BOTTOM FABRIC
DOME	KNUCKLE

5 POST CAPS AND FABRIC EDGES

NTS

6 POST FOOTING

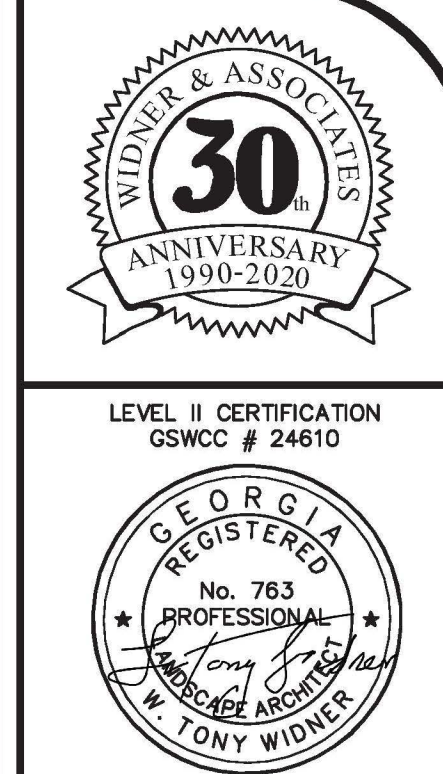
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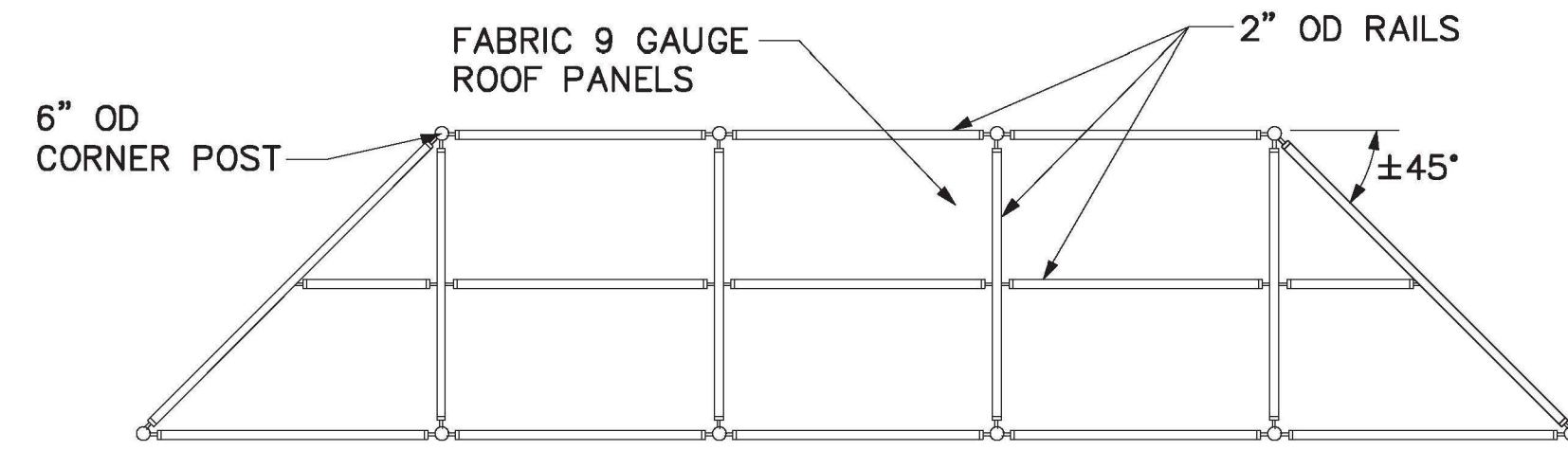
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PH: (478) 746-2010 FAX: (478) 746-2011
WWW.WIDNER-ASSOC.COM

FIELD CONSTRUCTION DETAILS FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

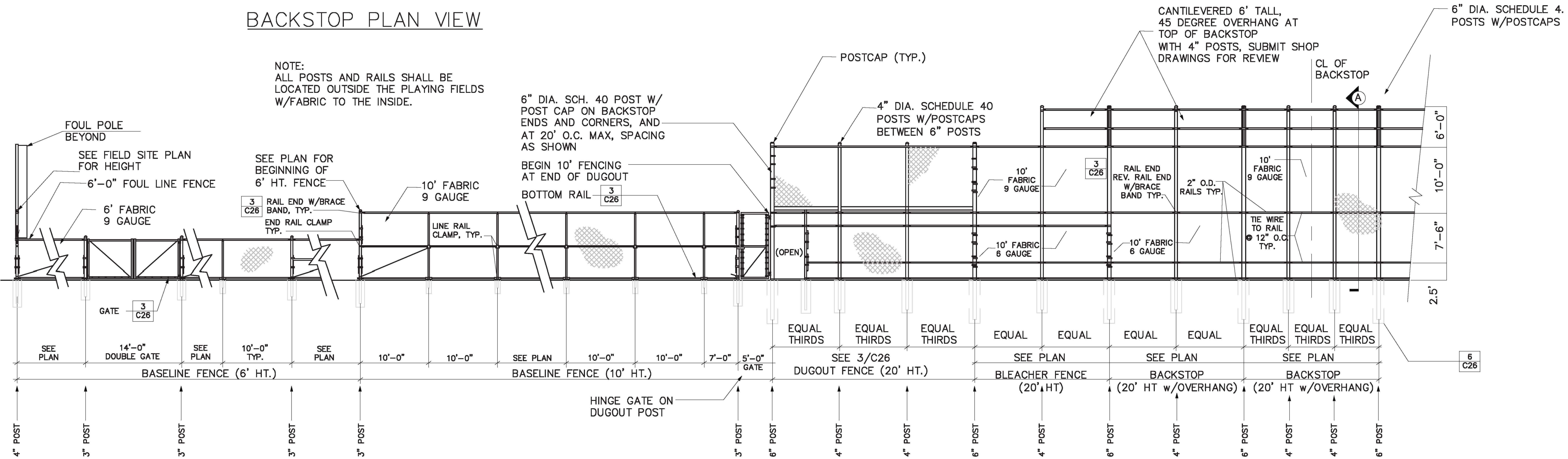
DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-26
SCALE: AS SHOWN
APPROV. _____



BACKSTOP PLAN VIEW

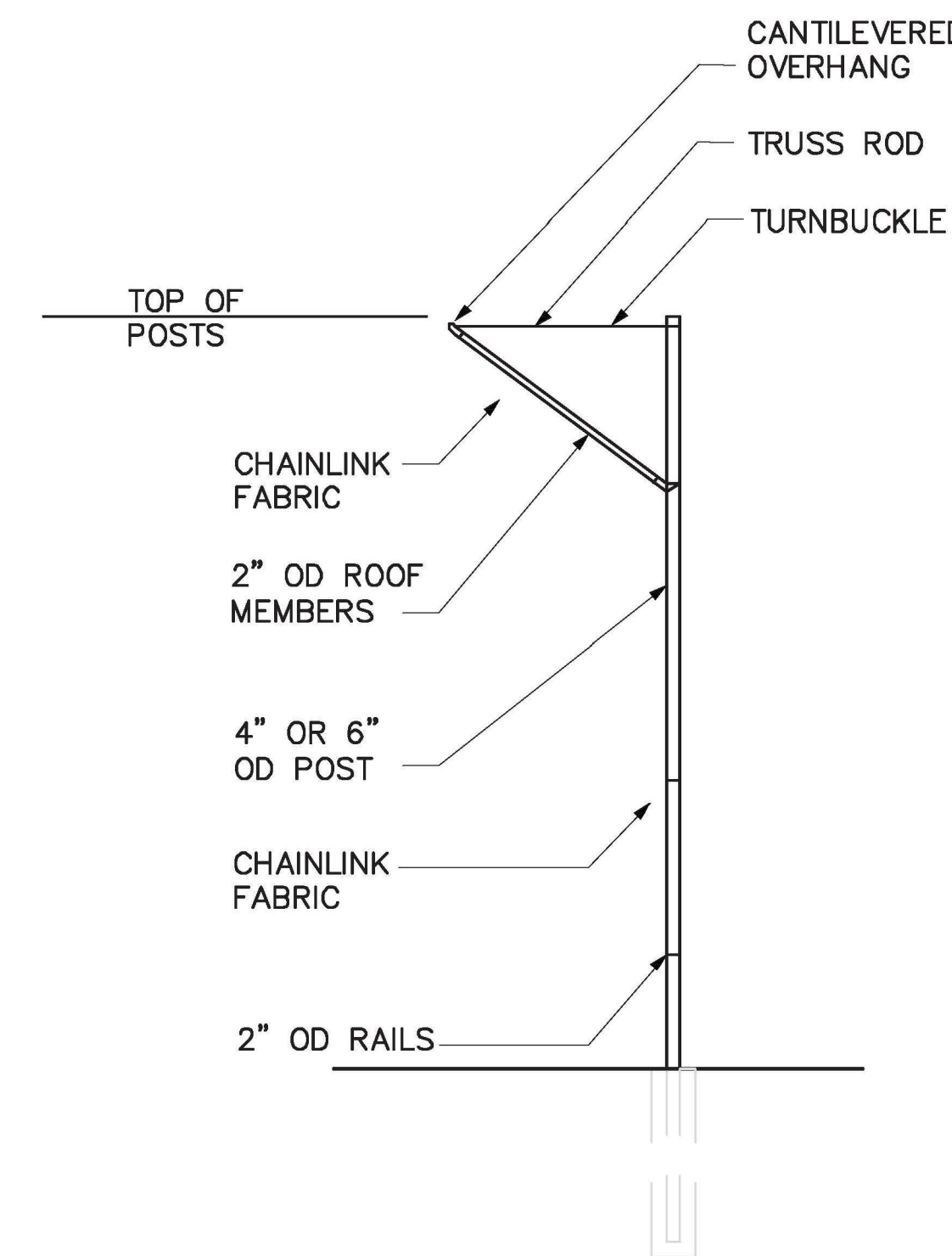
NOTE:
ALL POSTS AND RAILS SHALL BE LOCATED OUTSIDE THE PLAYING FIELDS W/FABRIC TO THE INSIDE.



NOTE: GATES, OPENINGS, ETC. MAY VARY BY LOCATION. SEE LAYOUT PLANS FOR MORE INFORMATION.

1 BACKSTOP AND FENCE - ELEVATION
SCALE: 1/8" = 1'-0"

- NOTES:
1. ALL POSTS AND RAILS SHALL BE LOCATED OUTSIDE THE PLAYING FIELDS W/ FABRIC TO THE INSIDE.
 2. ALL TERMINAL AND LINE POST 20'-0" OR TALLER SHALL BE 4" DIA. SCH. 40 STEEL UNLESS OTHERWISE NOTED.
 3. ALL RAILS SHALL BE 1-5/8"x1/4" ROLL FORMED STEEL OR EQUAL C TYPE RAIL POST.
 4. ALL POSTS SHALL BE EQUIPPED WITH EITHER LINE POST CAPS OR STANDARD CAPS TO KEEP MOISTURE OUT OF POST.
 5. ALL FENCING SHALL BE KNUCKLED TOP AND BOTTOM.
 6. SEE FENCING CHARTS FOR CORNER POST AND LINE POST REQUIREMENTS.
 7. CHANGES IN REQUIRED PLANS DUE TO SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR APPROVAL.
 8. ALL FIELD ACCESS GATES TO BE SINGLE PANELS UNLESS NOTED OTHERWISE ON PLANS.
 9. SOFT STEEL TIES. (9 GAUGE TO MATCH FENCE FABRIC COATING)
 10. MID-RAIL ON FENCING 6' & OVER.
 11. FENCING HT. 4' AND UNDER 1BAND PER FOOT. FENCING HT. 5' AND ABOVE 1 BAND LESS THAN HT. OF FENCE.
 12. ALL FENCE FABRIC, POSTS, RAILS, HARDWARE, ETC. TO BE GALVANIZED IN BASE BID, PVC FUSION BONDED VINYL COATED BLACK. GAUGE OF VINYL COATED FABRIC REFERS TO CORE WIRE.



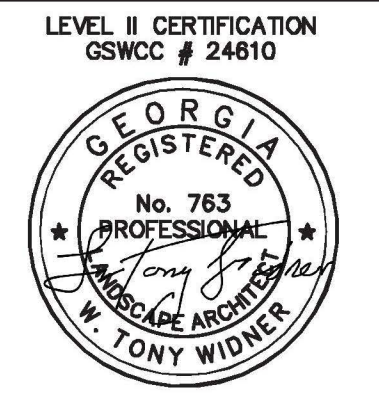
SECTION A

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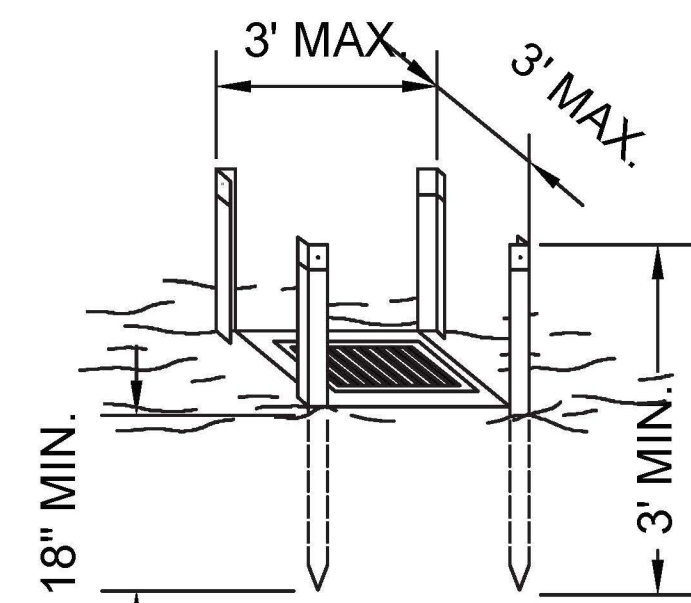
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EMAIL: widner@widner-usa.com WEBSITE: www.widner-usa.com

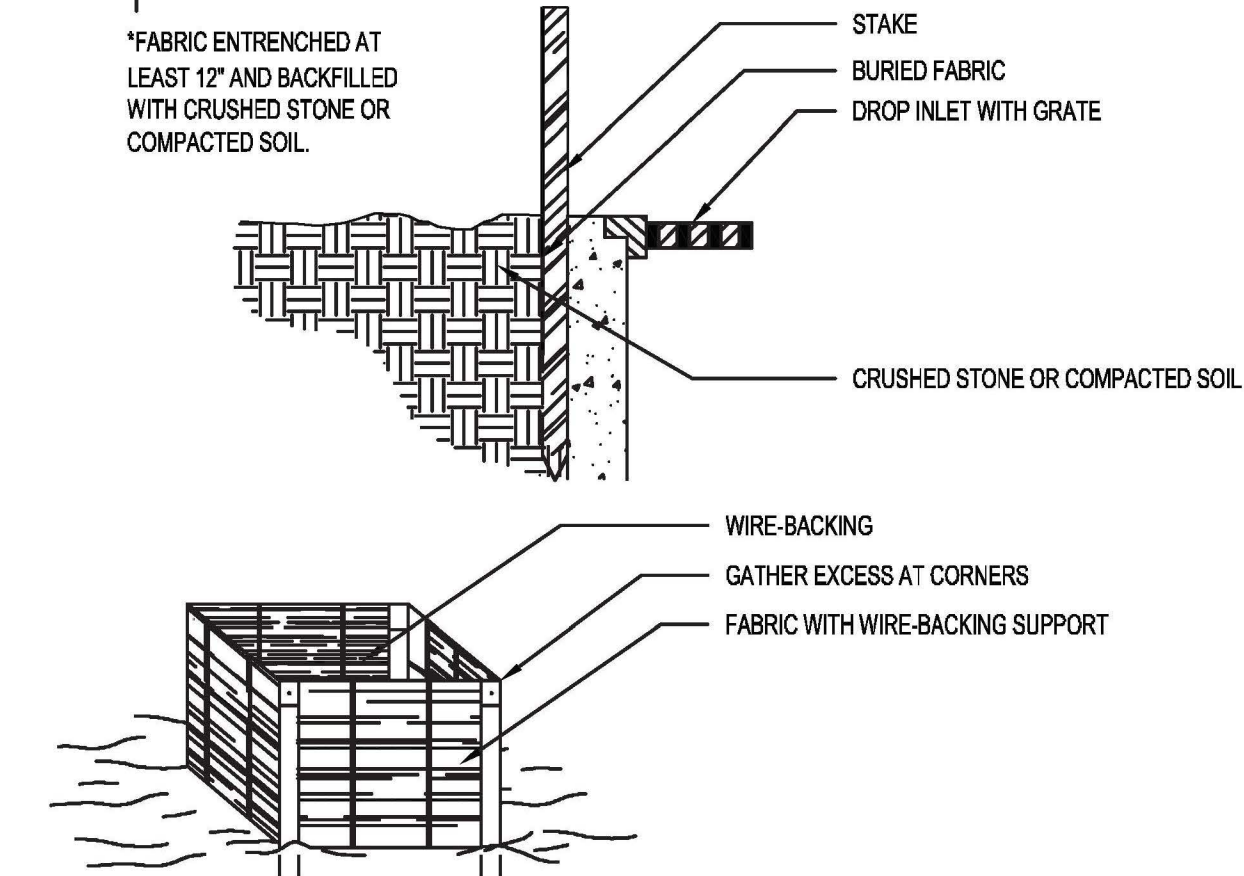
FIELD CONSTRUCTION DETAILS FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-27
SCALE: AS SHOWN
APPROV.



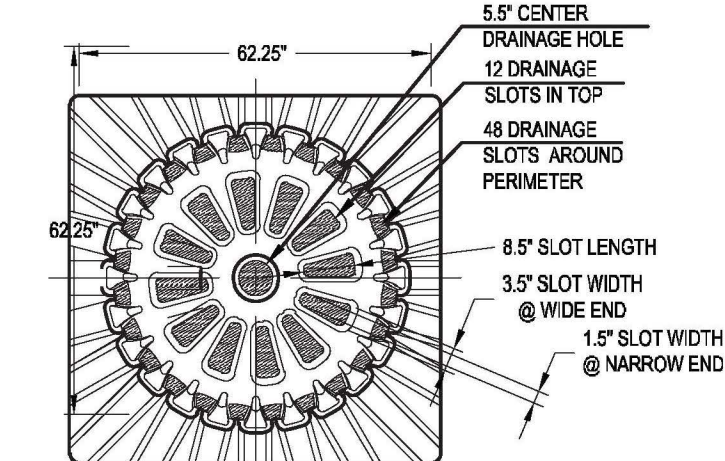
- NOTES:
- DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
 - THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
 - THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
 - THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.



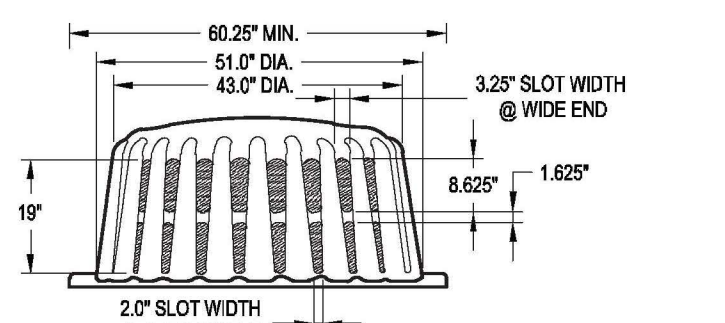
Sd2-F FILTER FABRIC W. FRAME INLET SEDIMENT TRAP
NTS

MAINTENANCE
ALL TEMPORARY EROSION, SEDIMENTATION, & POLLUTION CONTROL PRACTICES SHOULD BE INSPECTED DAILY. CONTRACTOR SHALL REMOVE SEDIMENT AND DISPOSE OF IN A PROPER MANNER. INSPECT S-200A DAILY FOR CUTS, ABRASIONS, AND PROPER INSTALLATION. REPLACE OR REPOSITION AS NECESSARY.

SPECIFICATIONS
FILTER FABRIC SILT-SAVER HAT SHALL BE BASED ON DESIGN PROFESSIONAL'S SPECIFICATIONS.



PLAN VIEW



ELEVATION VIEW

HEAD (FT)	EQUATION USED	OPENING AREA (SF)	FRAME FLOW (CF8)	FILTER AREA (SF)
0.5	O	2.1	7	6
1.0	O	3.6	19	12
1.5	O	7.0	41	18
2.0	O	8.0	54	24
2.5	O	9.2	70	30
3.0	O	9.2	77	

DUE TO NARROW SLOT, A TRANSITION WILL OCCUR BETWEEN WEIR AND ORIFICE CONDITIONS. ORIFICE FLOW WILL PROVIDE A MORE CONSERVATIVE ESTIMATE OF FLOW. THEREFORE THE LESSER OF THE ORIFICE AND WEIR FLOWS WILL BE USED FOR EACH STAGE CALCULATION.

FILTER MATERIAL ALLOWS 129 gpm/5F OR 0.29cfs/5F
ORIFICE EQUATION (Q) = Q = 0.6A(2g)^(1/2) * H^(3/2)
P = FEET PERIMETER
H = HEAD IN FEET
Q = CAPACITY IN cfs
A = FREE OPEN AREA OF FRAME
g = 32.2 FEET-PER-SECOND/SECOND

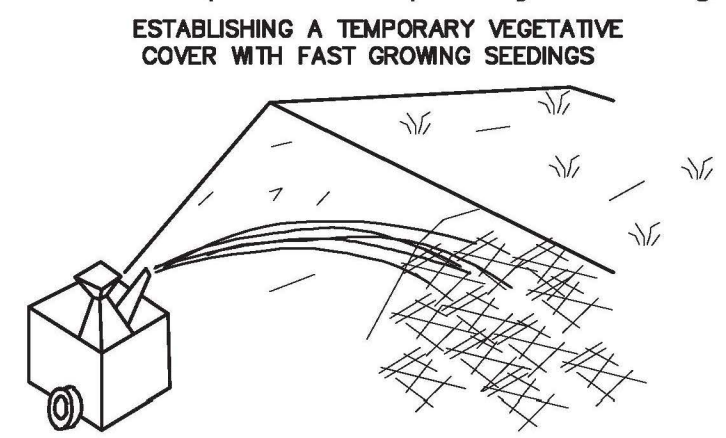
Sd2 SILT SAVER INLET SEDIMENT TRAP (ALTERNATIVE)
NTS

Ds1 Disturbed Area Stabilization (With Mulching Only)

MULCHING APPLICATION REQUIREMENTS

MATERIALS	Rate	DEPTH
Straw or Hay	2 1/2 Ton/Acre	6" to 10"
Wood waste, chips, sawdust, bark	6 to 9 Ton/Acre	2" to 3"
Outback Asphalt	1200 gal./acre or 1/4 gal./sq. yd.	-
Polyethylene film	Secure w/ soil anchors, weights	-
Geotextiles, jute matting, netting, ect.	See manufacturer's recommendations	-

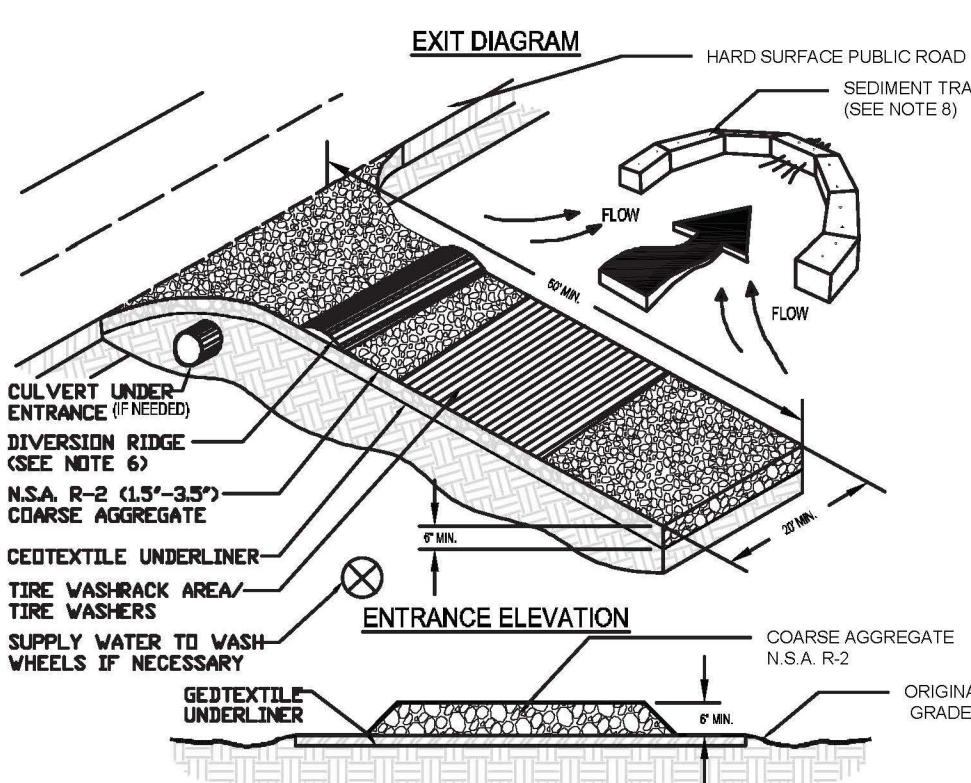
Ds2 Disturbed Area Stabilization (With Temporary Seedings)



Ds3 Disturbed Area Stabilization (With Permanent Vegetation)

- ESTABLISHING A PERMANENT VEGETATIVE COVER AS A DISTURBED AREA
- GRADING AND SHAPING REQUIRED WHERE FEASIBLE AND PRACTICAL
 - SEEDBED PREPARATION
 - NOT REQUIRED IF USING HYDRAULIC SEEDING AND FERTILIZING
 - WHEN REQUIRED

SLOPE	SEEDBED
3:1 OR FLATTER	≥ 4" DEEP
2:1 TO 3:1	1" TO 4" DEEP
2:1 OR STEEPER	DEPRESSIONS EVERY 6"-8" W/HAND TOOL
 - HAVE SOIL ANALYZED FOR LIME AND FERTILIZER RATE
 - MULCH ALL SLOPES STEEPER THAN 3% AND IN BOTTOM OF SPILLWAYS AND ON ROAD BANKS
 - ANCHOR MULCH IMMEDIATELY
- APPLICABLE ON HIGHLY ERODABLE OR SEVERELY ERODED AREAS, SOMETIMES CALLED "CRITICAL AREAS" INCLUDING:
- CUT AND FILL SLOPES
 - EARTH SPILLWAYS
 - BORROW AREAS
 - CHANNEL BANKS
 - ROADSIDES
 - SPOIL AREAS
 - BERMS
 - GULLED LANDS



- NOTES:
- AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 - REMOVE ALL VEGETATION AND OTHER UNDESIRABLE MATERIAL FROM THE FOUNDATION AREA, GRAZE, AND GROWN FOR POSITIVE DRAINAGE.
 - AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5 TO 3" STONE).
 - GRAVEL THE SOIL HAVE A MINIMUM THICKNESS OF 6".
 - THE WIDTH SHALL BE EQUAL TO THE WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 - A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 - METAL PIPES UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 - WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN OFF THE SURFACE. RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE.
 - WASHBACKS AND/OR THE WASHES MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHBACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 - MAINTAIN AREA AS WIDE AS THE PREVIOUS TRACKING AND/OR FLOW OF MUD ON TO PUBLIC RIGHTS OF WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANUP OF ANY WEARABLES USED TO TRAP SEDIMENT.

C0 CRUSHED STONE CONSTRUCTION EXIT
NOT TO SCALE

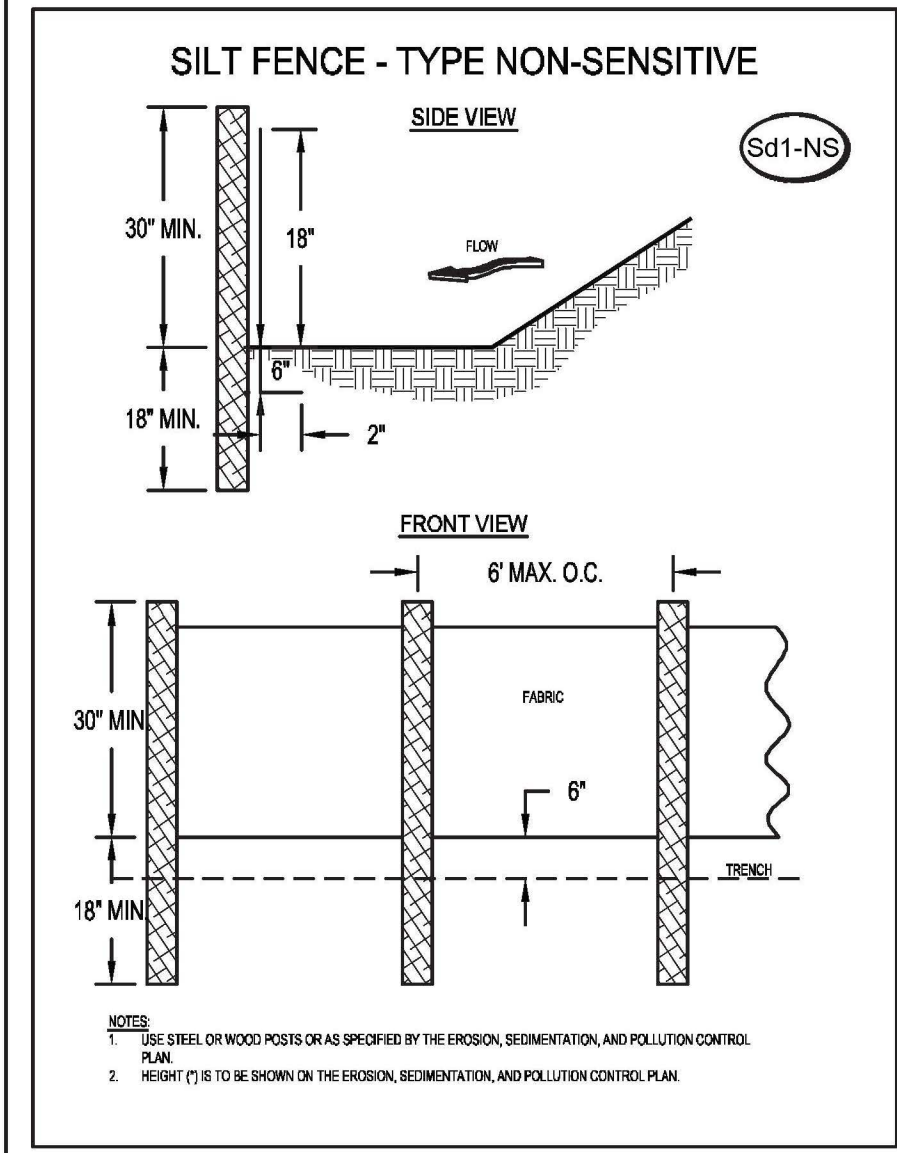
Du

DEFINITION
Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

CONDITIONS
This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS
A. TEMPORARY METHODS
Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure which should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.

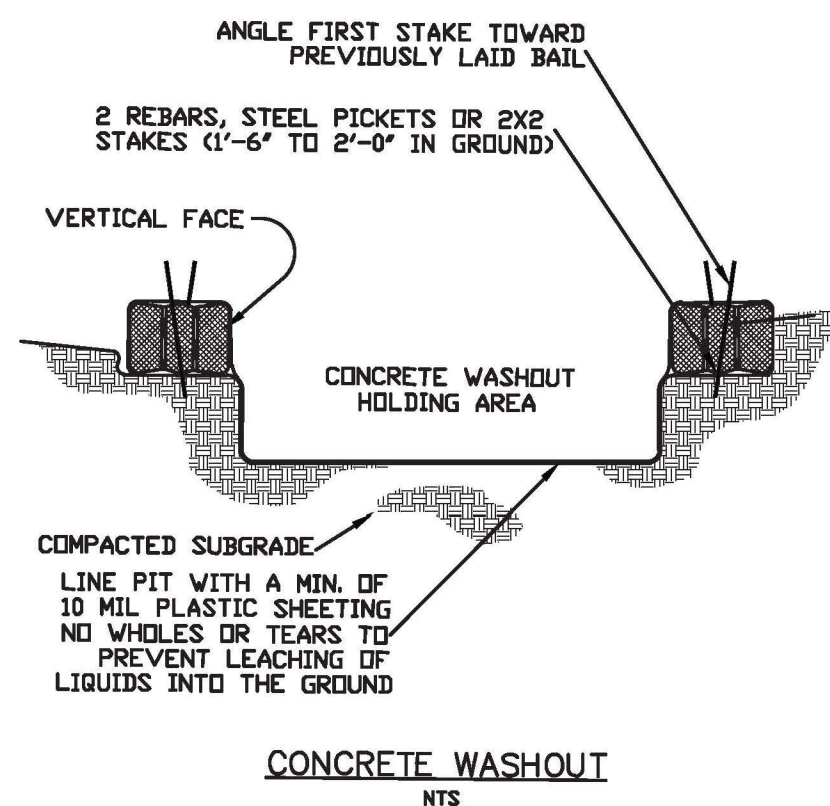
Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet.



- NOTES:
- STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 - HEIGHT (H) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

ITEM	DESCRIPTION	MONTHS OF CONSTRUCTION						
		1	2	3	4	5	6	7
1	SILT BARRIER INSTALLATION							
2	CLEARING AND GRUBBING							
3								
4	GRADING							
5	STORM DRAINAGE							
6	UTILITIES							
7	TEMPORARY GRASSING							
8	BUILDING							
9	CURB & GUTTER							
10	SIDE WALKS							
11	BASE & PAVING							
12	FINAL GRASSING & REMOVAL OF TEMPORARY STRUCTURES							
13	MAINTAIN SOIL & EROSION CONTROL MEASURES							

CONSTRUCTION SCHEDULE
N.T.S.



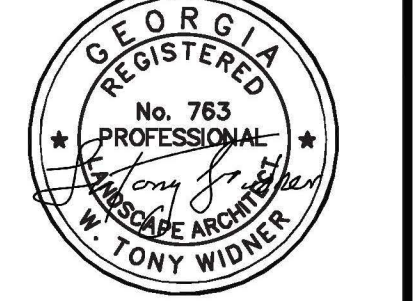
CONCRETE WASHOUT
NTS

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- REVISIONS:
- -
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LEVEL II CERTIFICATION
GSWCC # 24810



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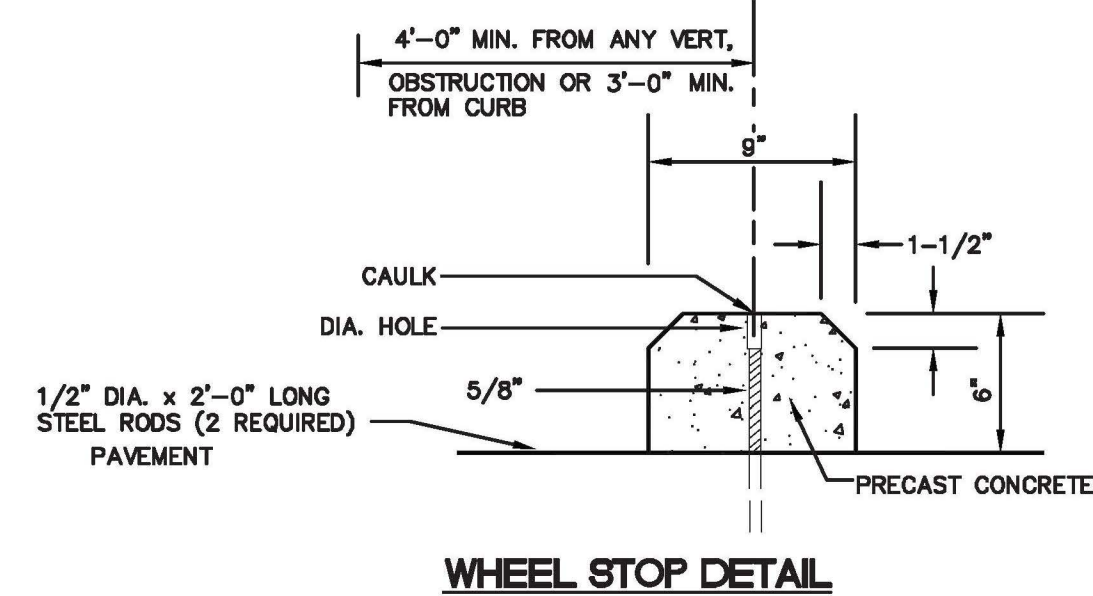
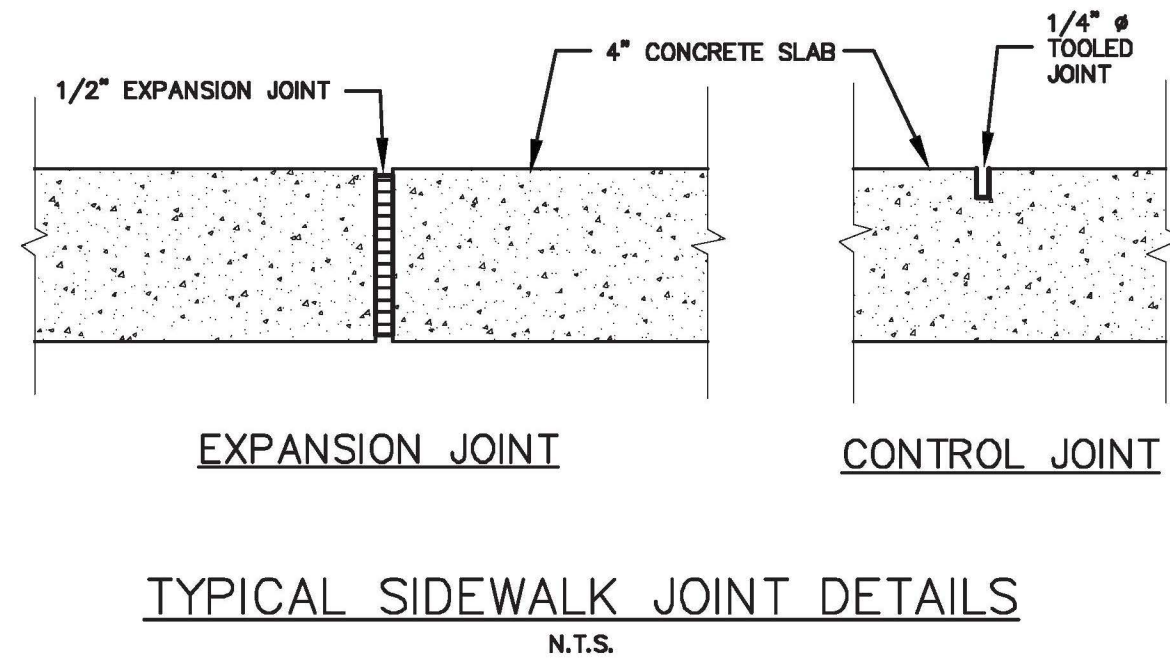
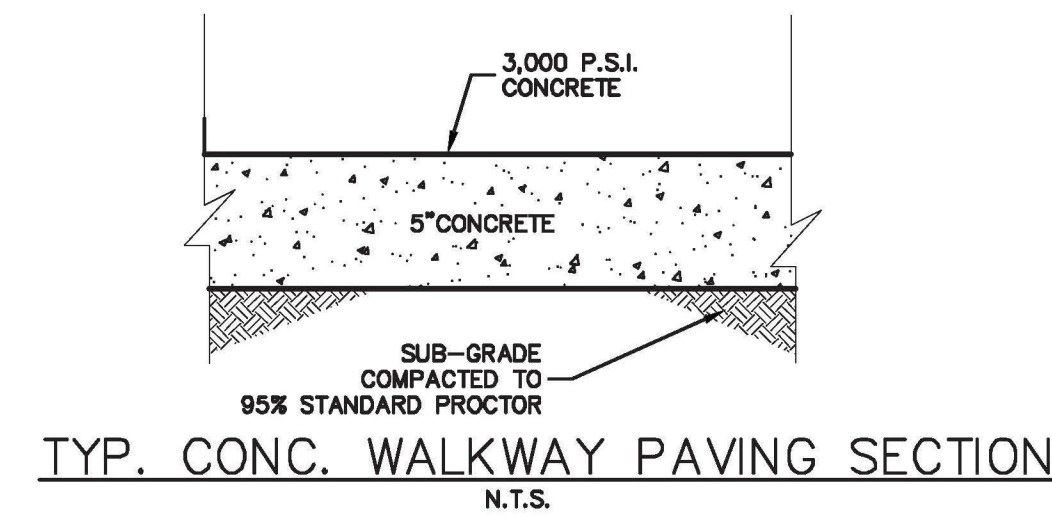
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P.O. BOX 02, MACON, GEORGIA 31202
PH: (478) 749-2010
FAX: (478) 749-2010
EMAIL: widner@widner-usa.com
WEBSITE: www.widner-usa.com

EROSION/SEDIMENTATION CONTROL DETAILS FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

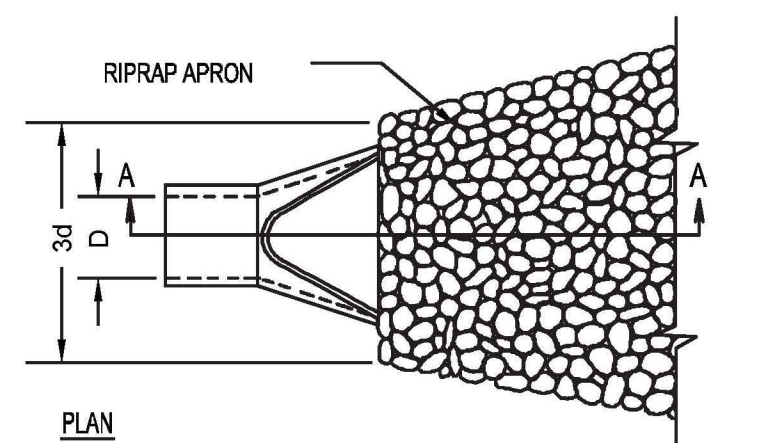
SHEET C-28
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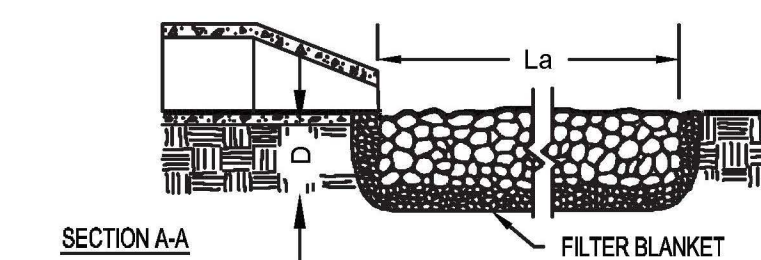


RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA – NO WELL DEFINED CHANNEL

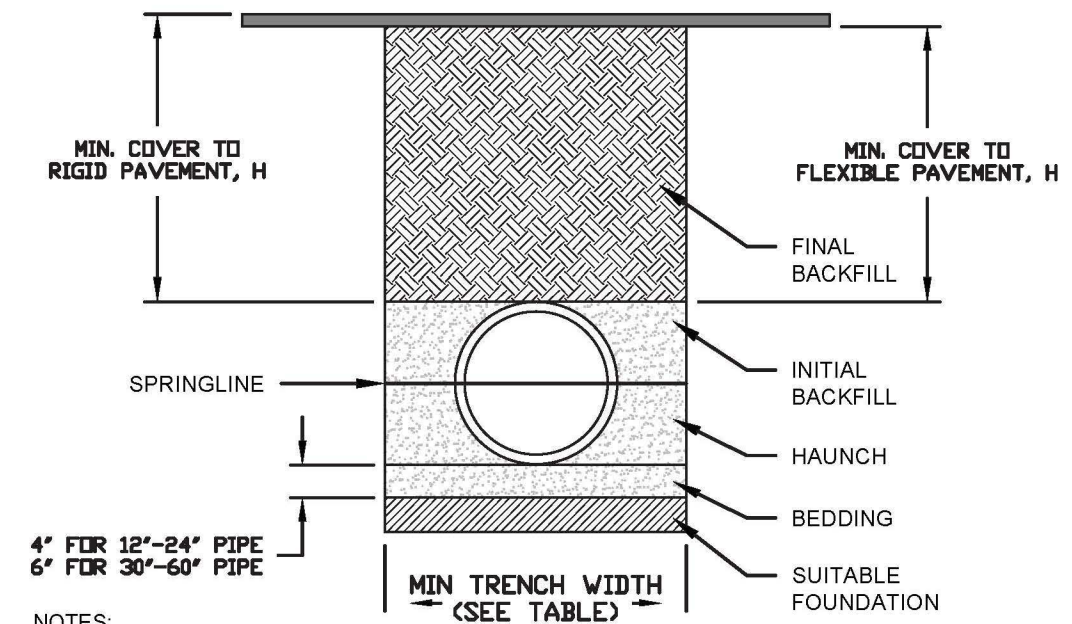
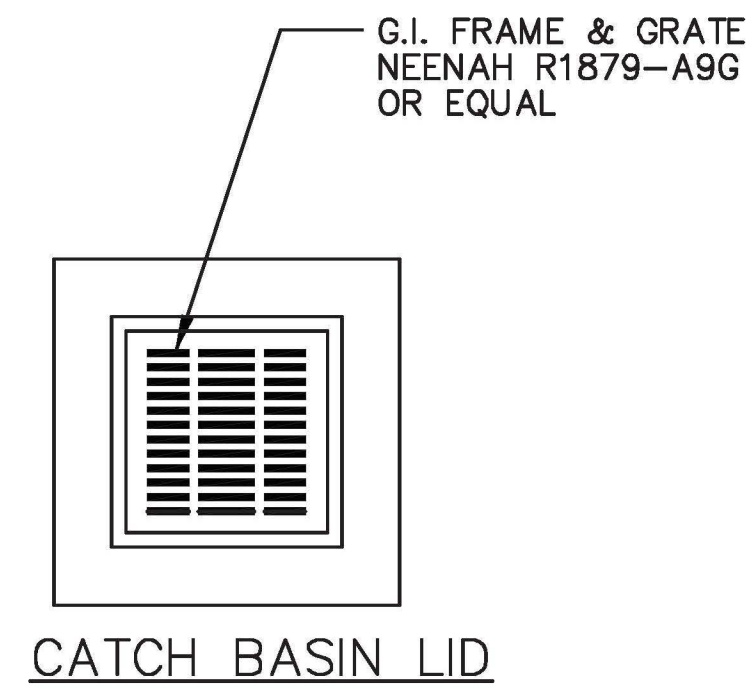
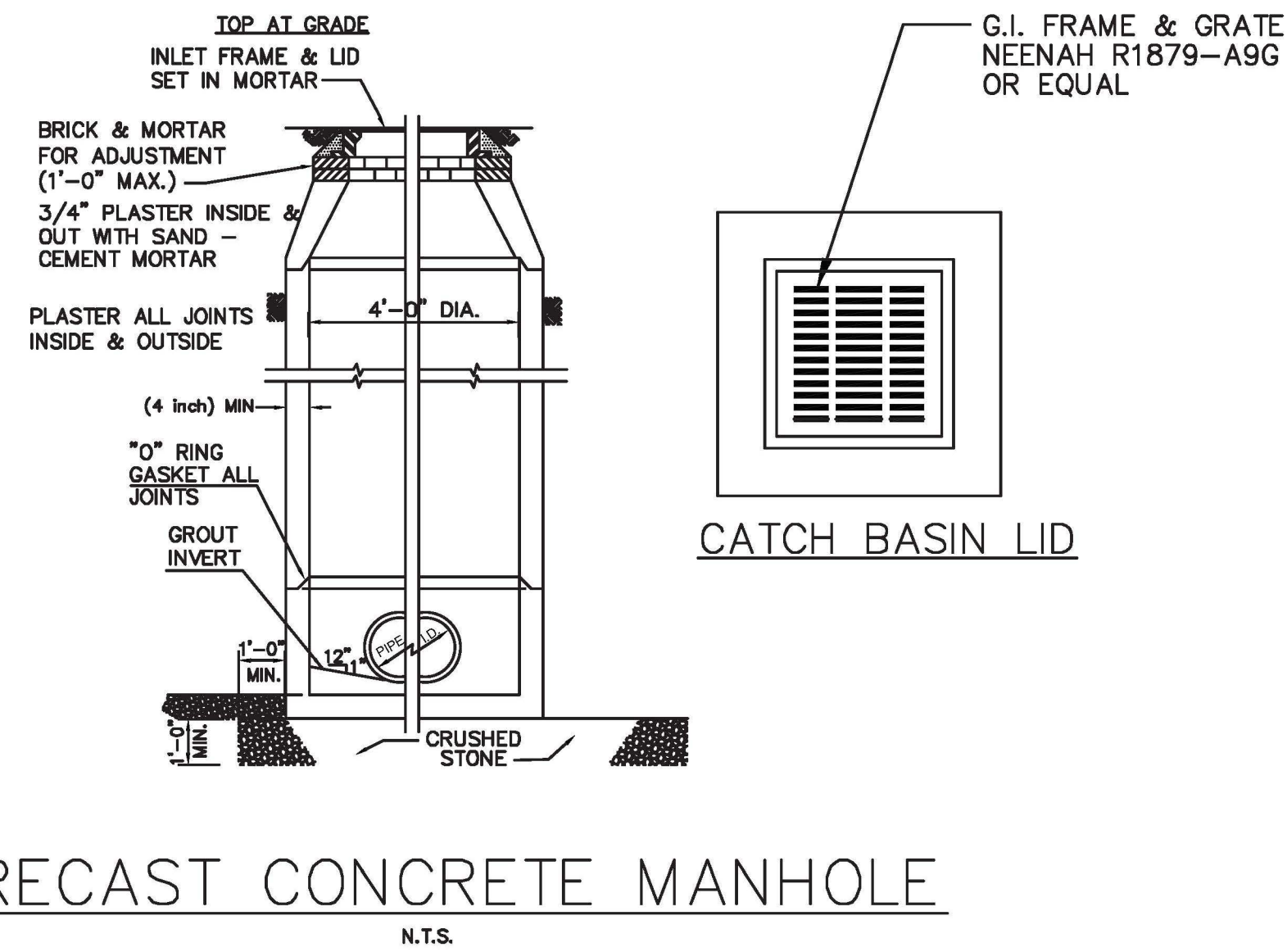


- NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
 2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6\".
 3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 8\" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
 4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.



PIPE OUTLET TO WELL DEFINED CHANNEL

ENERGY DISSIPATION SUMMARY (80)									
HEADWALL	PIPE SIZE	25yr FLOW (cfs)	25yr Velocity (FPS)	TAILWATER	W1 (ft.)	W2 (ft.)	La (ft.)	Stone Depth	Diameter (d50)
A	24"	9.60	7.72	MIN.	6.0	16.0	14.0	0.5'	4"
B	18"	1.53	3.83	MIN.	4.5	7.5	6.0	0.5'	4"



- NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION. WITH THE EXCEPTION THAT THE INITIAL BACKFILL MAY EXTEND TO THE CROWN OF THE PIPE. SOIL CLASSIFICATIONS ARE PER THE LATEST VERSION OF ASTM D2321. CLASS IV MATERIALS (MH, CH) AS DEFINED IN PREVIOUS VERSIONS OF ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.
 2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II, III, OR IV. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4\" (100mm) FOR 12\"-24\" (300mm-600mm) DIAMETER PIPE; 6\" (150mm) FOR 30\"-60\" (750mm-1500mm) DIAMETER PIPE. THE MIDDLE 1/3 BENEATH THE PIPE INVERT SHALL BE LOOSELY PLACED. PLEASE NOTE, CLASS IV MATERIAL HAS LIMITED APPLICATION AND CAN BE DIFFICULT TO PLACE AND COMPACT; USE ONLY WITH THE APPROVAL OF A SOIL EXPERT.
 5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, III, OR IV IN THE PIPE ZONE EXTENDING TO THE CROWN OF THE PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED. PLEASE NOTE, CLASS IV MATERIAL HAS LIMITED APPLICATION AND CAN BE DIFFICULT TO PLACE AND COMPACT; USE ONLY WITH THE APPROVAL OF A SOIL EXPERT.
 6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12\" (300mm) FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, CLASS I OR II MATERIAL COMPACTED TO 90% SPD AND CLASS III COMPACTED TO 95% SPD IS REQUIRED. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12\" (300mm) UP TO 48\" (1200mm) DIAMETER PIPE AND 24\" (600mm) OF COVER FOR 60\" (1500mm) DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

TABLE 1. RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
60"	96"

TABLE 2. MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48"	12"	48"
60"	24"	60"

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

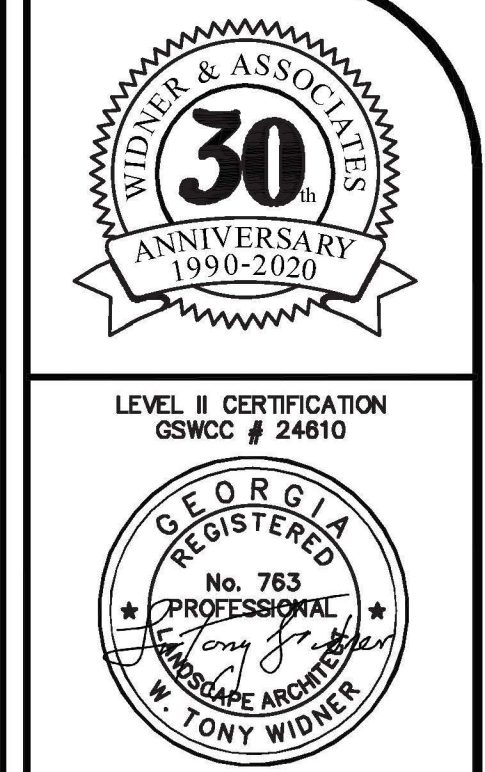
PIPE BEDDING DETAIL

N.T.S.

STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME _____ DRAWING # _____

REVISIONS:

- 1.
- 2.
- 3.
- 4.



THESE DOCUMENTS AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF WIDNER AND ASSOCIATES, AND NO PART THEREOF MAY BE USED OR REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION.

Widner & Associates, Inc.
P.O. BOX 102, MACON, GEORGIA 31202
PH: (478) 749-2010 FAX: (478) 749-2010
EMAIL: widner@widner-usa.com WEBSITE: www.widner-usa.com

PAVING AND DRAINAGE DETAILS FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160 4TH LAND DISTRICT

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

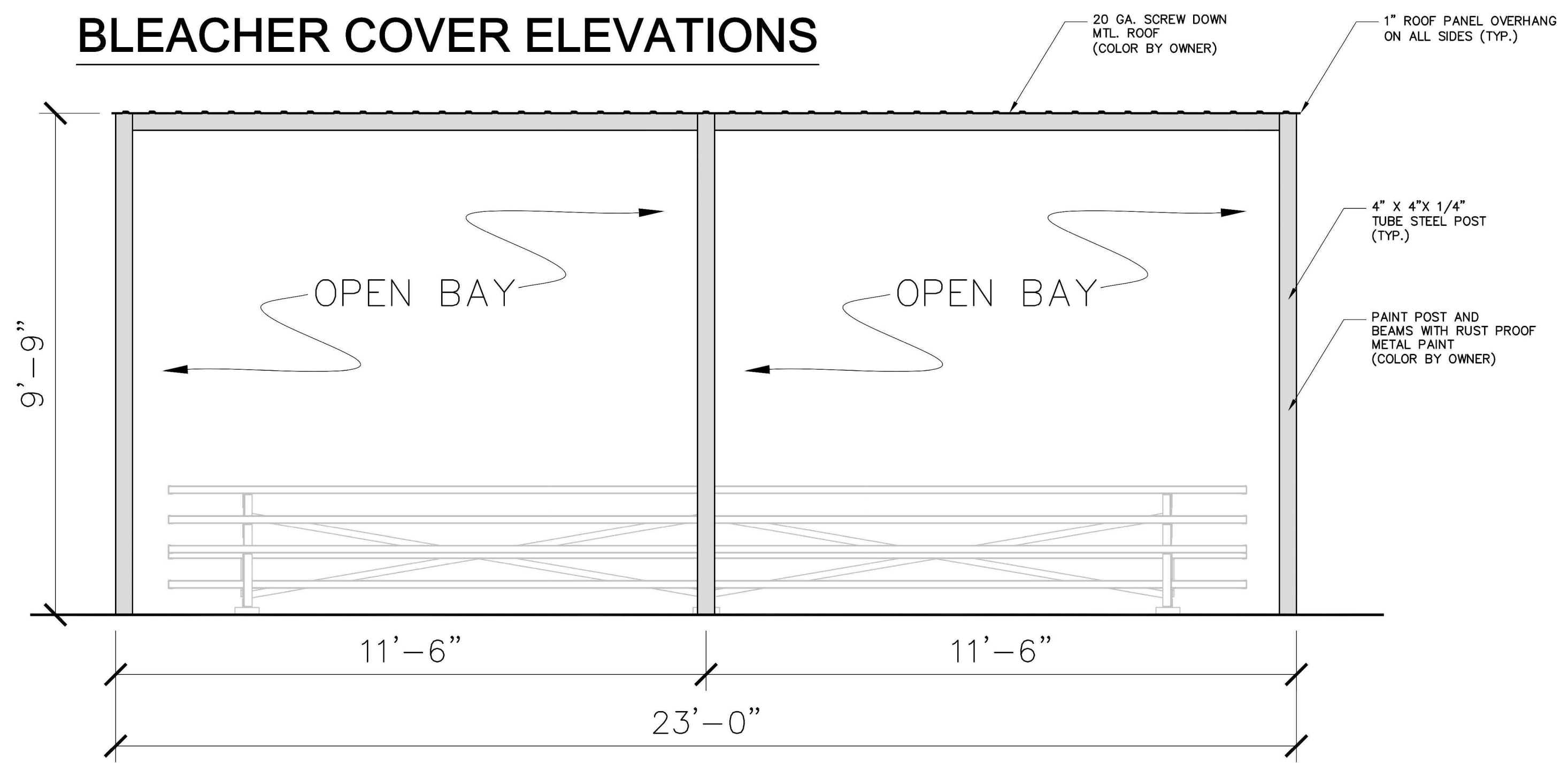
SHEET C-29
SCALE: AS SHOWN
APPROV. _____

The chain barrier should be of simple post and chain construction. The post height should be between 33"-36" above finish grade and all posts shall have a top cap. Posts should be placed no farther than 4' apart and the chain drape between posts should be no less than 6" below the tops of posts. Each post shall be removable, for replacement in the event one becomes damaged. A shop submittal shall be provided for approval by MBC.



POST AND CHAIN BARRIER
NTS

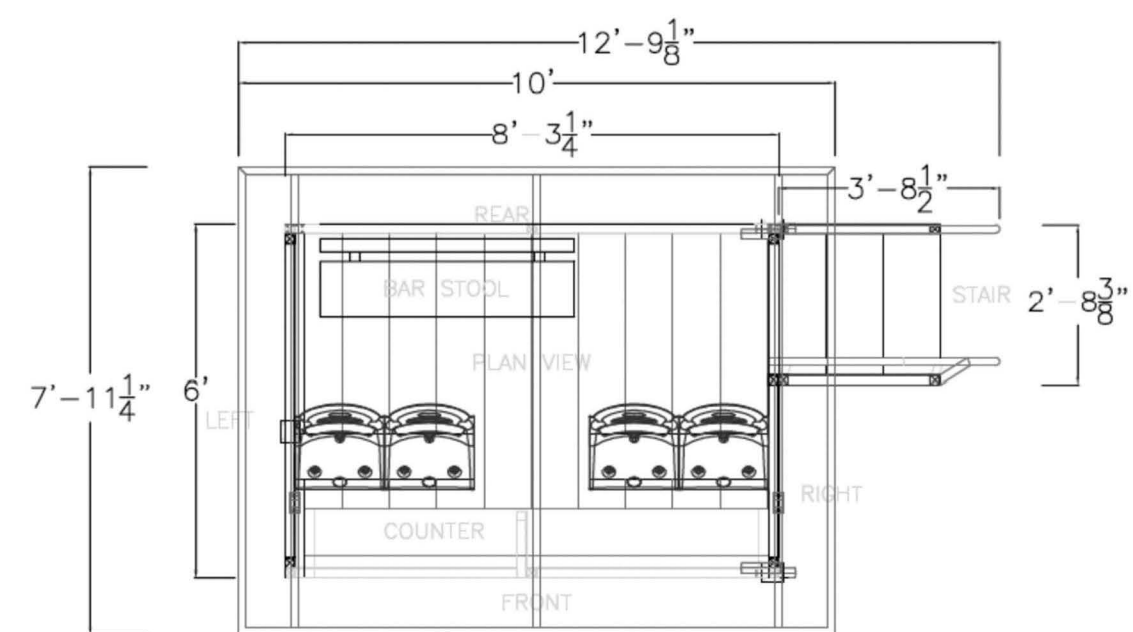
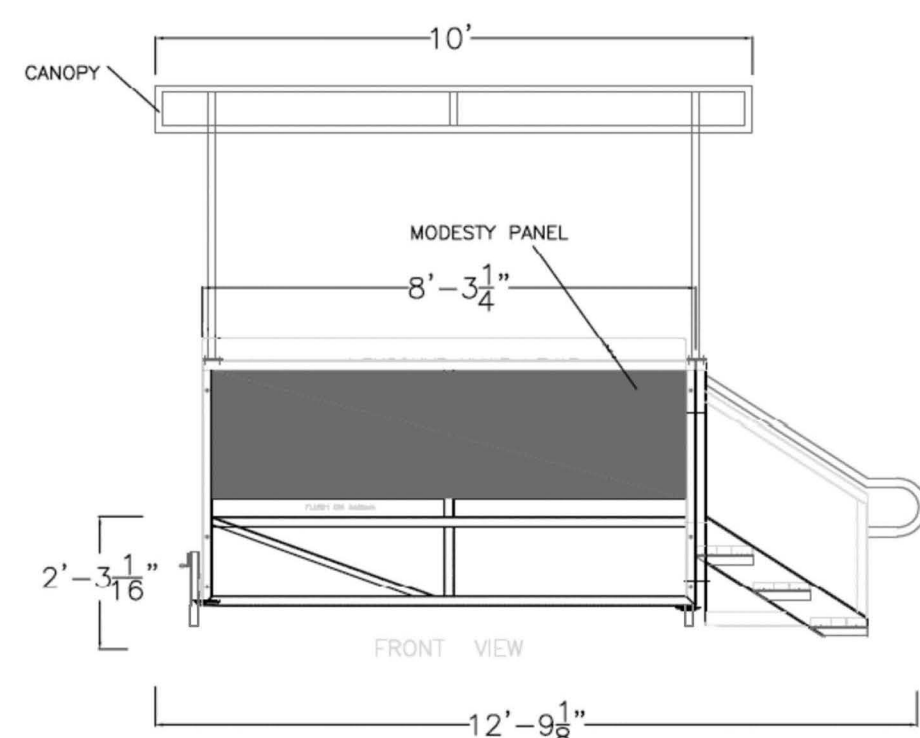
BLEACHER COVER ELEVATIONS



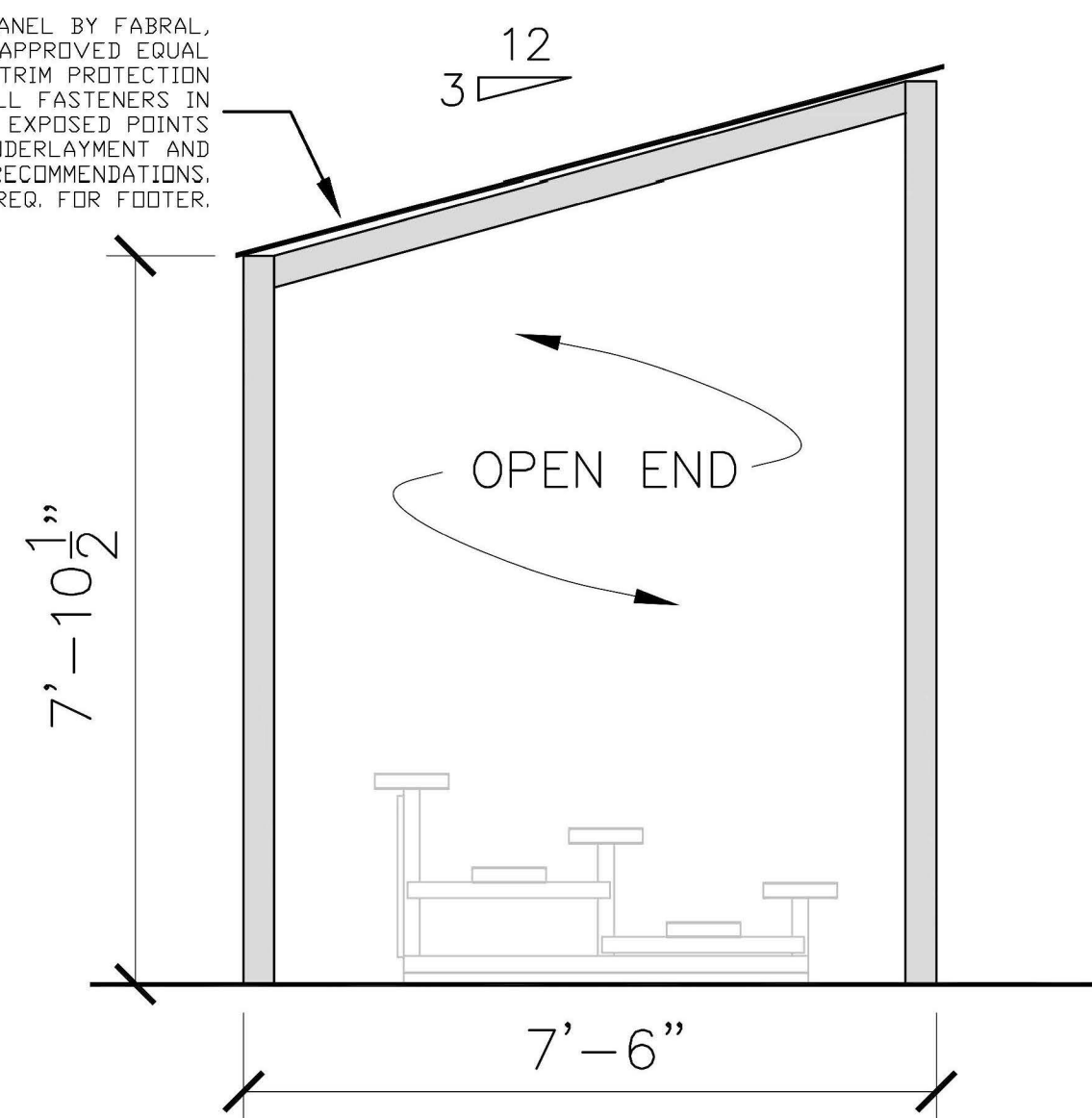
FRONT ELEVATION

SCALE: 1/2" = 1'-0"

MIGHTY-RIB, 20 GA CORRUGATED METAL ROOFING PANEL BY FABRAL, DISTURBED BY ORION ASSOCIATES, 866-913-6551 OR APPROVED EQUAL. COLOR TO BE SELECTED BY OWNER, PROVIDE EDGE TRIM PROTECTION PER MANUFACTURER'S RECOMMENDED SYSTEM. INSTALL FASTENERS IN RIBS PER MANUFACTURER'S RECOMMENDATIONS TO AVOID EXPOSED POINTS OF FASTENERS BELOW DECKING. INSTALL WITH UNDERLAYMENT AND INSTALL ALL COMPONENTS PER MANUFACTURER'S RECOMMENDATIONS. STRUCTURAL SUBMITTAL REQ. FOR FIBER.

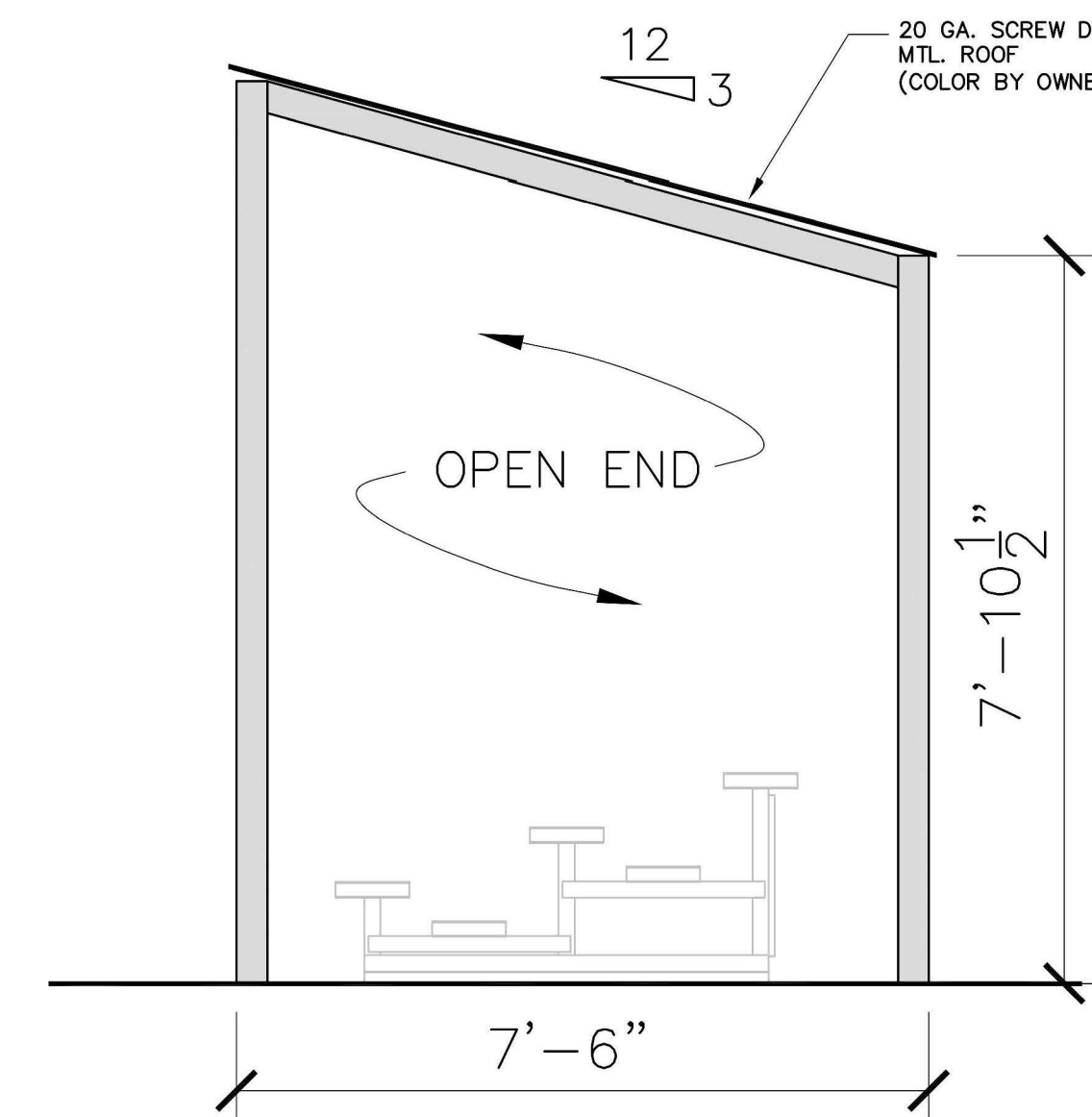


PREFABRICATED SCORER'S BOX
NTS
VENDOR: SEATING SOLUTIONS
PHONE: 631-845-0449
(OR EQUAL)



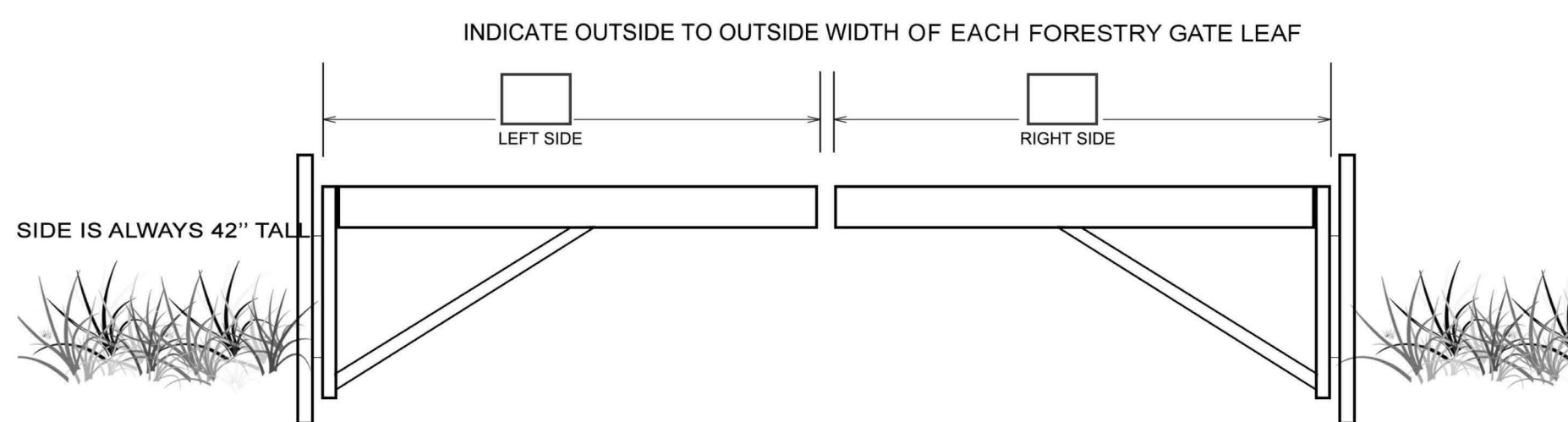
LEFT ELEVATION

SCALE: 1/2" = 1'-0"

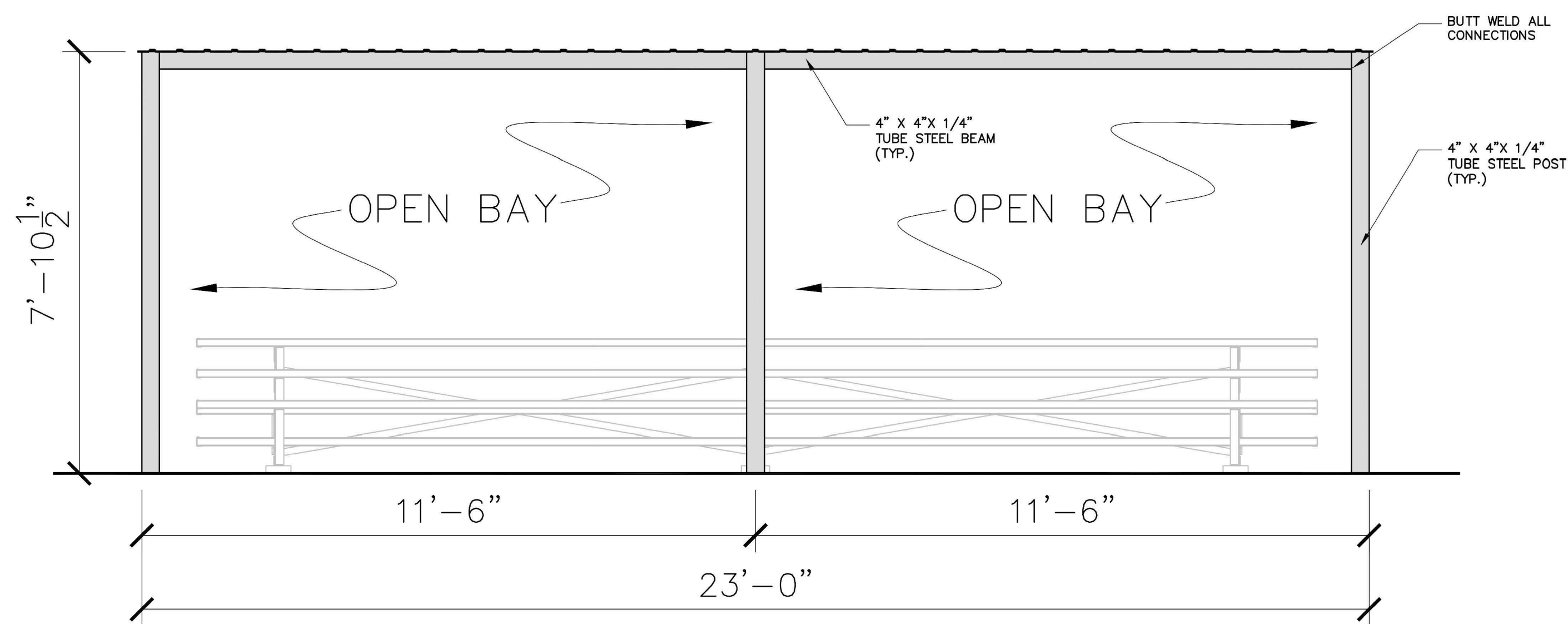


RIGHT ELEVATION

SCALE: 1/2" = 1'-0"



DUAL FORESTRY GATE
NTS
VENDOR: GATECRAFTERS
PHONE: 1-800-537-GATE
(OR EQUAL)



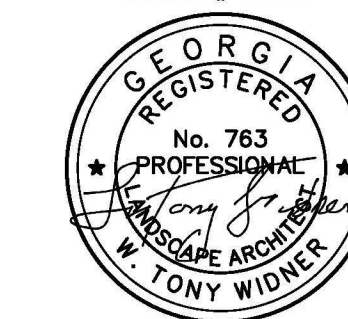
REAR ELEVATION

SCALE: 1/2" = 1'-0"

THESE DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS THE SEAL ON THIS PAGE IS SIGNED IN BLUE INK.



LEVEL II CERTIFICATION
GSWCC # 24610



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PHONE: (478) 748-2010
FAX: (478) 748-2010
WEBSITE: www.widner-usa.com

SITE FURNISHING DETAILS FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 07/29/2021
DRAWN BY: MTW
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-30
SCALE: AS SHOWN
APPROV.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			A STRIP OF UNDISTURBED ORIGINAL VEGETATION, EXPOSED OR RESTORED WITH RESTORATION OF VEGETATION, OR A STRIP OF UNDISTURBED OR RESTORED VEGETATION, OR A STRIP OF UNDISTURBED OR RESTORED VEGETATION, OR A STRIP OF UNDISTURBED OR RESTORED VEGETATION.
Cd	CHECKDAM			A SMALL TEMPORARY BARRIER OR DAM CONSTRUCTED ACROSS A DITCH OR CHANNEL TO REDUCE THE RATE OF FLOW OR TO PREVENT EROSION OF THE CHANNEL BED OR BANKS.
Ch	CHANNEL STABILIZATION			A SMALL TEMPORARY BARRIER OR DAM CONSTRUCTED ACROSS A DITCH OR CHANNEL TO REDUCE THE RATE OF FLOW OR TO PREVENT EROSION OF THE CHANNEL BED OR BANKS.
Co	CONSTRUCTION EXIT			A CULVERT STRUCTURE PLACED AT THE END OF A CONSTRUCTION SITE TO PREVENT SOIL FROM BEING WASHED INTO ADJACENT PUBLIC STREETS.
Da1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDING IS NOT FEASIBLE OR WHERE SEEDING IS NOT REQUIRED TO PRODUCE AN EROSION RESISTANT SURFACE.
Da2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)			ESTABLISHING A TEMPORARY VEGETATIVE COVER OVER SOILS THAT ARE NOT SUITABLE FOR PERMANENT VEGETATION.
Da3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)			ESTABLISHING PERMANENT VEGETATIVE COVER OVER SOILS THAT ARE SUITABLE FOR PERMANENT VEGETATION.
Da4	DISTURBED AREA STABILIZATION (WITH SOODING)			A PERMANENT VEGETATIVE COVER USING sods or sod-like materials.
Di	DIVERSION			AN EXISTING CHANNEL OR ONE LOCATED TO DIVERT FLOW FROM A DISTURBED AREA TO AN ADJACENT CHANNEL OR TO A BODY OF WATER.
Du	DUST CONTROL ON DISTURBED AREA			CONTROLLING SURFACE AND AIR POLLUTION FROM CONSTRUCTION SITES, ROADWAYS, AND SIMILAR SITES.
Fr	FILTER RING			A TEMPORARY STRUCTURE BUILT TO FILTER SEDIMENT FROM RUNOFF BEFORE IT REACHES A BODY OF WATER.
Mb	EROSION CONTROL MATTING AND BLANKETS			INSTALLATION OF A PREENGINEERED EROSION CONTROL MAT OR BLANKET TO PROTECT SOILS FROM EROSION.
Rd	ROCK FILTER			A PERMANENT OR TEMPORARY STRUCTURE BUILT TO FILTER SEDIMENT FROM RUNOFF BEFORE IT REACHES A BODY OF WATER.
Re	RETAINING WALL			A WALL INSTALLED TO STABILIZE SOILS ON A SLOPE OR TO PREVENT EROSION OF A SLOPE.
Rt	RETROFITTING			A DEVICE OR STRUCTURE PLACED IN FRONT OF A PERMANENT STRUCTURE TO PREVENT EROSION OF THE STRUCTURE OR TO STABILIZE A SLOPE.
Sd1	SEDIMENT BARRIER			A BARRIER TO PREVENT SEDIMENT FROM LEAVING A CONSTRUCTION SITE. IT IS MADE OF LOGS OR PILES OF LOGS OR HAY, STRAW, LOGS AND PILES OF LOGS, OR A SIMILAR DEVICE. THE BARRIER IS USUALLY TEMPORARY AND REMOVED AT THE END OF CONSTRUCTION.
Sd2	INLET SEDIMENT TRAP			AN IMPROVING AREA CREATED BY EXCAVATION OF A STORM DRAIN INLET TO TRAP SEDIMENT BEFORE IT ENTERS THE DRAIN. THE EXCAVATED AREA WILL BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITIES.
Sd3	TEMPORARY SEDIMENT BASIN			A BASIN CREATED BY EXCAVATION OF A DRAIN ACROSS A WETLAND. THE SURFACE AREA MUST BE FILLED AND STABILIZED ALONG THE SLOPE OF THE BASIN TO DROP OUT.
Sl	STORM DRAIN OUTLET PROTECTION			A PAVED OR SHORT SECTION OF RIP RAP CHANNEL AT THE OUTLET OF A STORM DRAIN SYSTEM PREVENTING EROSION.
Su	SURFACE ROUGHENING			A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS ON A CONTOUR OR SLOPES LEFT IN A REFINISHED CONDITION AFTER GRADING.
Wt	VEGETATED WATERWAY OR STORM WATER CONVEYANCE CHANNEL			PAVED OR VEGETATED WATER COURSES FOR EXISTING TRENCHES, DITCHES, OR SIMILAR STRUCTURES.

NOTE: THE OPERATION AND MAINTENANCE OF THE STORM WATER MANAGEMENT FACILITIES AND ASSOCIATED CONVEYANCE STRUCTURES/PRACTICES (I.E. DETENTION PONDS, PIPES NOT WITHIN PUBLIC RIGHT-OF-WAY, INLETS, OUTLETS, RIPRAP, ETC.) WILL BE THE SOLE RESPONSIBILITY OF THE PROPERTY OWNER. THESE FACILITIES AND STRUCTURES SHALL BE KEPT CLEAR OF TRASH, DEBRIS, OR ANY OBSTRUCTIONS THAT WOULD PREVENT PROPER FUNCTION OF THE DRAINAGE SYSTEM.

GENERAL NOTES:

- CONTRACTOR SHALL INSTALL SEDIMENT BARRIER PRIOR TO GRADING OPERATIONS. A SEDIMENT TRAP SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AT ALL DROP INLETS AND CURB INLETS AND SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL CONSTRUCT A TEMPORARY CONSTRUCTION EXIT. IT SHALL BE 6" THICK AND SHALL BE CONSTRUCTED WITH STONE CONFORMING TO ASTM D438 SIZE.
- THE SUB GRADE AREAS SHALL BE PREPARED USING THE FOLLOWING PROCEDURE AS A MINIMUM REQUIREMENT: REMOVE ALL ORGANIC MATTER, STUMPS AND OTHER DELETERIOUS MATTER. PROOF ROLL THE AREAS TO BE FILLED OR ON WHICH STRUCTURES ARE TO BE PLACED WITH A LOADED DUMP TRUCK OR OTHER RUBBER Tired EQUIPMENT. OVERLAPPING PASSES OF THE VEHICLE SHOULD BE MADE ACROSS THE SITE IN ONE DIRECTION AND THEN AT RIGHT ANGLES TO THE ORIGINAL DIRECTION OF ROLLING.
- THE AREA FILLED SHOULD BE SPREAD IN LOOSE LIFTS [LAYERS] OF NOT MORE THAN EIGHT INCHES. EACH LIFT SHOULD BE ROLLED WITH A VIBRATORY ROLLER OR A SHEEPSFOOT ROLLER. EACH LIFT SHOULD BE COMPACTED TO A MINIMUM DENSITY OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D 698, CURRENT EDITION.
- THE FILL SOIL MOISTURE CONTENT SHOULD BE MAINTAINED WITHIN 3% OF THE OPTIMUM MOISTURE AS DETERMINED IN ACCORDANCE WITH ASTM D 698.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF ALL EXISTING VEGETATION NECESSARY TO DEVELOP THE SITE. THE GENERAL CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF EXISTING UTILITIES AND IS RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITIES, PUBLIC OR PRIVATE, SHOWN HEREON OR NOT SHOWN HEREON.
- THE GENERAL CONTRACTOR SHALL CONTACT ALL OWNERS OF UTILITIES AND RIGHT-OF-WAYS, PUBLIC OR PRIVATE PRIOR TO WORKING IN THESE AREAS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY, COUNTY, AND STATE OF GEORGIA SPECIFICATIONS AND REQUIREMENTS.
- CONTRACTOR SHALL INSTALL SOIL EROSION AND SEDIMENTATION CONTROL DEVICES PRIOR TO GRADING OPERATIONS AND SHALL MAINTAIN THE DEVICES DURING CONSTRUCTION.
- CONTRACTOR SHALL GRADE SITE TO ENSURE POSITIVE DRAINAGE.
- ALL DEMOLISHING, REMOVING OR RELOCATION SHALL BE PERFORMED AT THE EXPENSE OF THE CONTRACTOR.
- NOTIFY INSPECTOR 24 HRS. PRIOR TO EACH PHASE OF CONSTRUCTION.
- ANY CHANGES TO CONSTRUCTION DOCUMENTS ARE SUBJECT TO APPROVAL PRIOR TO ACTUAL CONSTRUCTION.
- DETENTION POND AND OUTLET STRUCTURES ARE TO BE INSTALLED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION.
- ANY DISTURBED AREA EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEED.
- CONTRACTOR TO WORK FORM APPROVED "FOR CONSTRUCTION" DRAWINGS ONLY.
- CONTRACTOR SHALL FILE ALL PAPERWORK FOR THE NOI AND SHALL BE THE PRIMARY PERMITTEE. AS SUCH, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NPDES TESTING AND MONITORING REQUIREMENTS STATED ON THE CONSTRUCTION DOCUMENTS AND WITHIN STATE OF GEORGIA GENERAL PERMIT NO. 100001. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETION AND FILING OF NOTICE OF INTENT, NOTICE OF TERMINATION AND ALL OTHER REPORTING DOCUMENTS. ALL COSTS FOR TESTING, MONITORING, REPORTING, FEES AND FILING SHALL BE PAID BY THE CONTRACTOR.

NOTE: NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRISTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSH-LAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

24 HR. CONTACT:
MR. ROBERT WALKER, DIRECTOR OF
MACON-BIBB RECREATION DEPARTMENT
150 WILIE SMOKE GLOVER DRIVE
MACON, GA, 31201
PHONE: 478-621-5279
EMAIL: RWALKER2@MACONBIBBUS

PRIMARY PERMITEE:
CONTACT PERSON:
COMPANY:
ADDRESS:
PHONE:
EMAIL:
*CONTRACT TO COMPLETE ABOVE INFO. BEFORE COMMENCEMENT OF WORK

NOTE: I certify under penalty of law that this document was prepared after a site visit to the location described herein by myself or my authorized agent, under direct supervision. I am aware that there are significant penalties for submitted false information, including the possibility of fine and imprisonment for knowing violations.

NOTE: I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted, based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NOTE: I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual of Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, providing for the sampling of the receiving waters or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR 100001."

DATE: JUNE 25, 2021
(signature) (date)
GSWCC # 24610
EXPIRING 12/15/2021

VEGETATIVE PLAN FOR AREAS DISTURBED DURING CONSTRUCTION/GRASSING NOTES

- INITIAL TREATMENT, SEEDBED PREPARATION: PREPARE SEEDBED TO A DEPTH OF AT LEAST 4". REMOVE ROCKS, ROOTS, OR OTHER OBJECTS THAT WILL INTERFERE WITH VEGETATION ESTABLISHMENT OR MAINTENANCE OPERATIONS.
- FERTILIZER: APPLY AGRICULTURAL LIME AT THE RATE OF 1 1/2 TONS PER ACRE. APPLY 1000 POUNDS 10-10-10 ANALYSIS FERTILIZER (OR EQUIVALENT) PER ACRE. SPREAD LIME AND FERTILIZER UNIFORMLY OVER ALL AREAS IMMEDIATELY BEFORE FINAL LAND PREPARATION AND MIX THOROUGHLY WITH THE SOIL. APPLY TOP DRESSING OF 100 POUNDS PER ACRE OF AMMONIUM NITRATE (OR EQUIVALENT) WHEN GRASS IS 2"-4" TALL.
- PERMANENT SEEDING: ALL AREAS WILL BE SEED OR SODED WITH THE FOLLOWING:
10 LB/ACRE RYE GRASS MIXED WITH 40 LB/ACRE OF UNHULLED COMMON BERMAUDA GRASS BETWEEN 3/15 AND 4/30.
- AREAS WILL HAVE TO BE REPLANTED VEGETATION IS DISTURBED.
- PERMANENT VEGETATIVE COVER OF AT LEAST 80% IS REQUIRED. HYDROMULCH 1,200 LBS. PER ACRE. BALES- 1.5 TONS PER ACRE.

NOTE: THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

NOTE: EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

NOTE: WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

NOTE: AMENDMENTS/REVISIONS TO THE ESH-PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

NOTE: NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRISTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSH-LAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

NOTE: ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEED.

NOTE: PART OF THIS PROPERTY LIES WITHIN A 100 YR FLOOD PLAIN REFER TO FEMA COMMUNITY MAP # 8-150210169Q DATED: 06/07/2017

NOTE: WATER FROM THIS SITE FLOWS SOUTH INTO AN UNNAMED TRIBUTARY OF WALKER LAKE. SAID TRIBUTARY FLOWS TO WALKER LAKE. WALKER LAKE FLOWS INTO OCMULGEE RIVER.

NOTE: PROPERTY IS NOT LOCATED WITHIN 200' OF STATE WATERS

SOILS CHART	
CwB	2 TO 5 PERCENT SLOPES, COWARTS SANDY LOAM
CwC	5 TO 8 PERCENT SLOPES, COWARTS SANDY LOAM
NfB	2 TO 5 PERCENT SLOPES, NORFOLK SANDY LOAM
VaD	8 TO 17 PERCENT SLOPES, VAUCLUSE SANDY LOAM

NOTE: THE ESH-PC PLAN IS IN COMPLIANCE WITH WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS.

NOTE: CONSTRUCTION ACTIVITY ON SITE WILL BE TO RENOVATE THE EXISTING SOFTBALL COMPLEX.

NOTE: THE DESIGN PROFESSIONAL WHO PREPARED THE ESH-PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.

NOTE: PROPERTY IS NOT LOCATED WITHIN 200' OF STATE WATERS OR WETLANDS. NO BUFFER REQUIRED.

NOTE: STORMWATER MANAGEMENT AREA HAS BEEN INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORMWATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.

NOTE: BUILDING MATERIALS MUST BE COVERED WITH IMPERMEABLE COVERAGE WHILE ON SITE.

NOTE: NO CONSTRUCTION ACTIVITIES OR BMP'S WITHIN 1 LINEAR MILE UPSTREAM OF AN IMPAIRED STREAM SEGMENT. NO IMPAIRED STREAMS WILL BE AFFECTED.

STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME DRAWING #

REVISIONS:
1. MWA REVIEW - 06-22-21
2.
3.
4.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS

- Project Name: BLOOMFIELD SOUTHALL COMPLEX Address: 1821 ROCKY CREEK RD.
City/County: MACON-BIBB COUNTY Date on Plan: 06/23/2021
Name & email of person filling out checklist: MATT WIDNER, PLA / MATT@WIDNER-ASSOC.COM
- Plan Included: YES
TO BE SHOWN ON ESH-PC PLAN
- The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
(The completed Checklist must be submitted with the ESH-PC Plan or the Plan will not be reviewed.)
 - Level II certification number issued by the Commission, signature and seal of the certified professional. (Signature, seal and level II number must be on each sheet pertaining to ESH-PC plan or the Plan will not be reviewed.)
 - Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPA District Office. If EPA approves the request to disturb 50 acres or more at any one time, the Plan must include at least 1 of the BMPs listed in Appendix 1 of this checklist. *
(A copy of the written approval by EPA must be attached to the plan for the Plan to be reviewed.)
 - The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution control. Provide the name, address, email address, and phone number of primary permittee.
 - Note total and disturbed acreage of the project or phase under construction.
 - Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
 - Initial date of the Plan and the date of any revisions made to the Plan including the entity who requests the revisions.
 - Description of the nature of construction activity.
 - Provide vicinity map showing site location in surrounding areas. Include description of specific phase, if necessary.
 - Identify the project existing wetlands and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
 - Design professional's certification statement and signature that the site was visited prior to development of the ESH-PC Plan as stated on Part IV.A.1 page 10 of the permit.
 - Design professional's certification statement and signature that the permittee's ESH-PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV.B.1 page 11 of the permit. *
 - Design note the statement that "The design professional who prepared the ESH-PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMP's within 7 days after installation."
in accordance with Part IV.A.1 page 10 of the permit. *
 - Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wristed vegetation or within 25 feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
 - Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
 - Clearly note the statement that "Amendments/revisions to the ESH-PC Plan which have a significant effect on BMP's with a hydraulic component must be certified by the design professional. "

Code	Practice	Detail	Map Symbol	Description
C1.21	Y			37 Graphic scale and North arrow.
C1.21	Y			38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Map Scale: 1 inch = 100 ft or larger scale Ground Slope: Flat 0 - 2% Rolling 2 - 6% Steep 6% + Contour Interval: 0.5 or 1 1 or 2 2.5 or 10

- Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPA or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gawc.org.
- Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
- Definition of the applicable 25-foot or 50-foot undisturbed stream buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
- Delineation and acreage of contributing drainage basins on the project site.
- Definition of on-site wetlands and all state waters located on or within 200 feet of the project site.
- Disturbance and acreage of contributing drainage basins on the project site.
- Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *
- An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
- Storm-drain pipe and wet velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
- Soil series for the project site and their delineation.
- The limits of disturbance for each phase of construction.
- Provide a minimum of 60 cubic yards of sediment storage per acre drained using a temporary sediment basin, vegetated detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not obtainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the design professional to obtain the required sedimentation when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
- Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding systems from the Manual, Chapter 6, with legend.
- Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
- Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting sites and seedings, fertilizer, lime and watering rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of the state.
* If using this checklist for a project less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A. Effective January 1, 2021

- Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit. "
- Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
- Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
- Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
- Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all of the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
- If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to substantial start of the ESH-PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
- BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
- Provide BMPs for the remediation of all petroleum spills and leaks.
- Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.
- Description of practices to provide cover for building materials and building products on site. *
- Description of the practices that will be used to reduce the pollutants in storm water discharges. *
- Description and chart of timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
- Provide complete requirements of inspections and record keeping by the primary permittee. *
- Provide complete requirements of sampling frequency and reporting of sampling results. *
- Provide complete details for retention of records as per Part IV.F. of the permit. *
- Description of analytical methods to be used to collect and analyze the samples from each location. *
- Appendix B information on NTU values at all outlet sampling points where applicable. *
- Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. *
- A description of appropriate controls and measures that will be implemented at the construction site including:
(1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *

DS2	SEEDING RATES FOR TEMPORARY SEEDINGS	DS2
	Species	Rate Per 1,000 sq. ft. / 1,000 Area
	Rye	3 lbs. 2-3 bu. 9/1-1/1 10/1-3/1
	Bermudagrass	1 lb. 40-50 lbs. 8/15-1/1 8/15-3/1
	Rye and Annual Ryegrass	1 1/2 lbs. 1-1/2 bu. 3/1-4/1 2/1-3/1
	Wheat	1 lb. 20-25 lbs. 3/1-4/1 -
	Lovegrass	0.2 lbs. 4-6 lbs. 3/1-8/15 2/15-8/15
	Sudangrass	1 lb. 35-45 lbs. 4/1-7/15 4/1-7/15
	Orchardgrass	1 lb. - - 4/1-7/15 4/1-7/15
	Millet	3 lbs. 2-3 lbs. 10/15-1/1 11/1-1/15

Unusual site conditions may require heavier seeding rates. Seeding dates may need to be altered to fit temperature variations and local conditions.

DS3	PERMANENT SEEDING SCHEDULE	DS3
	Species	Rate/1,000 sq. ft. / Date
	Weeping Lovegrass and Vignora or Sorgho Lepedezo	0.2-0.4 lb. 1-2 lb. 3/1-8/15 8-12-12 25-35 lb.
	Tall Fescue	8-10 lb. 8/1-11/1 6-12-12 25-30 lb.
	Common Bermuda (Hulled)	1-2 lb. 4/1-8/15 6-12-12 25-30 lb.
	Common Bermuda (Unhulled)	2-3 lb. 5/1-7/1 6-12-12 25-30 lb.



LEVEL II CERTIFICATION
GSWCC # 24610



THESE DOCUMENTS AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF WIDNER AND ASSOCIATES, AND NO PART THEREOF MAY BE USED OR REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION.

Widner & Associates, Inc.
P.O. BOX 102, MACON, GEORGIA 31202
PH: (478) 749-2010 FAX: (478) 749-2010
EMAIL: mwidner@widner-assoc.com WEBSITE: www.widner-assoc.com

ESPCP NOTES FOR
BLOOMFIELD PARK SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/01/2021
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET C-31
SCALE: AS SHOWN
APPROV.

SAMPLING REQUIREMENTS:
THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN STREAMS AND/OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

a. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:

- (1) A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE CONSTRUCTION; (2) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (b) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS;
- (2) WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;
- (3) A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES); AND
- (4) ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.

b. SAMPLE TYPE. ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER"

SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001* AND SHOWING GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THE PERMITTEE'S ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

(c). SAMPLING POINTS.

- (1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:
 - (A) THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
 - (B) THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
- (2). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).
- (3). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
- (4). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

SAMPLING REQUIREMENTS (CONT.):

- (D.) SAMPLING FREQUENCY.
 - THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATED WITHIN IN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
- HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.
- SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
 - FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
 - IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;
 - AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMP'S IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMP'S ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;
 - WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND
 - EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE AND EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

PRODUCT SPECIFIC PRACTICES:

- PETROLEUM BASED PRODUCTS-- CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERWAYS, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.
- PAINTS/FINISHES/SOLVENTS-- ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- CONCRETE TRUCK WASHING-- NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.
- FERTILIZER/HERBICIDES-- THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.
- BUILDING MATERIALS-- NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR OUTFALLS OF THE STATE.

WASTE MATERIALS

- ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AT A MINIMUM OF ONCE A WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.
- ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

EROSION NOTES:

- ALL AREAS SHALL BE GRASSED WITH PERMANENT GRASSING AS SOON AFTER CONSTRUCTION AS PRACTICAL. REFER TO VEGETATIVE PLAN THIS SHEET FOR TYPES/RATES FOR PLANTING QUANTITIES.
- SEDIMENT AND SOIL EROSION MEASURES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES TAKING PLACE EXCEPT THOSE CONSTRUCTION ACTIVITIES NECESSARY TO INSTALL SUCH MEASURES, AND SHALL BE FULLY OPERATIONAL DURING CONSTRUCTION.
- EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
- REMOVE ALL ACCUMULATED SILT IN DETENTION POND/SEDIMENT POND WEEKLY AND AT THE END OF CONSTRUCTION, WHEN DISTURBED AREAS HAVE BEEN STABILIZED.
- DO NOT BRING TOPSOIL ON SITE EXCEPT WITHIN 24 HOURS OF INTENDED USE.
- BACKFILL AND STABILIZE TRENCHES AND PITS PROMPTLY BY METHOD PROCTOR COMPACTION @ 2%± OPTIMUM MOISTURE CONTENT AND GRASSING, AS NECESSARY.
- MAXIMUM CUT OR FILL SLOPE IS 3:1 UNLESS OTHERWISE NOTED ON THE DRAWING.
- DO NOT DESTROY, REMOVE, OR DISTURB VEGETATIVE GROUND COVER MORE THAN 20 CALENDAR DAYS BEFORE GRADING OR EARTH MOVING.
- ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES.
- VEGETATION: STRIPPING OF VEGETATION, REGRAIDDING AND OTHER DEVELOPMENT ACTIVITIES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO MINIMIZE EROSION. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENTED.
- DISTURBED SOIL: THE DISTURBED AREA AND THE DURATION OF EXPOSURE TO EROSION ELEMENTS SHALL BE STABILIZED AS QUICKLY AS PRACTICABLE. TEMPORARY VEGETATION OR MULCHING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT.
- SURFACE RUN-OFF-WATER: SEDIMENT IN RUN-OFF WATER MUST BE TRAPPED BY THE USE OF SILT FENCES, HAY BALES OR SIMILAR MEASURES UNTIL THE DISTURBED AREA IS STABILIZED. ADEQUATE PROVISIONS MUST BE PROVIDED TO MINIMIZE DAMAGE FROM SURFACE WATER TO THE CURB FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF FILL.
- MAINTENANCE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROL MEASURES AND STRUCTURES WHETHER TEMPORARY OR PERMANENT. IT WILL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO IMPLEMENT ADEQUATE SOIL EROSION AND SEDIMENT CONTROL PROCEDURES FOR THIS PROJECT. ADDITIONAL MEASURES, BEYOND WHAT IS SHOWN ON THIS DRAWING, MAY BE NECESSARY TO INSURE THAT SUFFICIENT SOIL EROSION AND SEDIMENT CONTROL PROTECTION IS PROVIDED.
- CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND EROSION.
- ALL CUT AND FILL SLOPES MUST BE SURFACED ROUGHENED AND VEGETATED WITHIN SEVEN DAYS OF THEIR CONSTRUCTION.
- ALL FILL SLOPES WILL HAVE SILT FENCE AT TOE OF SLOPES.
- A 25 TO 50 FOOT UNDISTURBED VEGETATIVE BUFFER ADJACENT TO ALL RUNNING STREAMS AND CREEKS WILL BE LEFT AND MAINTAINED.
- TEMPORARY GRASSING TO BEGIN WITHIN TWO WEEKS AFTER COMPLETION OF INITIAL GRADING, OR ACTIVITY IS DISCONTINUED FOR A PERIOD OF TWO WEEKS OR LONGER.

HAZARDOUS WASTES:

- ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPOR FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.
- THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPOR AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEAN UP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSED OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.
- SANITARY WASTES:
 - A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.
 - ALL SANITARY UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION SEDIMENT CONTROL PLAN GRADING PHASE. SHEET C-1 BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.
 - SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY/SEPTIC SYSTEM AT THE COMPLETION OF THIS PROJECT.

REPORTING:

- THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMITTAL SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF AN STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART V.
- ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:
 - THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
 - THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
 - THE DATE(S) ANALYSES WERE PERFORMED ;
 - THE TIME(S) ANALYSES WERE INITIATED ;
 - THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
 - REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
 - THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
 - RESULTS WHICH EXCEEDED 1000 NTU SHALL BE REPORTED AS "EXCEEDED 1000 NTU," AND
 - CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PERMIT.
- ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART V. IF AN ELECTRONIC SUBMITTAL IS PROVIDED BY EPD THEN THE WRITTEN CORRESPONDENCE MAY BE SUBMITTED ELECTRONICALLY; IF REQUIRED, A PAPER COPY MUST ALSO BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL OR SIMILAR SERVICE.

(F). RETENTION OF RECORDS

- THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART V:
 - A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
 - A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
 - THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
 - A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
 - A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A.(2) OF THIS PERMIT;
 - A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2 OF THIS PERMIT; AND
 - DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED AT THE PERMITTED SITE FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART V. OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED. THE PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

INSPECTION NOTES:

EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENTATION. INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

MEASURE RAINFALL ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY UNTIL A NOTICE OF TERMINATION IS SUBMITTED. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.

CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE ; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION ; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING IN COMPLIANCE WITH THE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE. THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SUSTAINED FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.O. 4.A.(4). THESE INSPECTIONS MAY BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

INSPECTION NOTES CONTINUED:

- (6). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS REGARDING THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5) OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL OF THE BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION OR SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2 OF THIS PERMIT.

RETENTION OF RECORDS:

- THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART V:
- A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
 - A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
 - THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
 - A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
 - A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A.(2) OF THIS PERMIT;
 - A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2 OF THIS PERMIT; AND
 - DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS PERMIT.

- COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED AT THE PERMITTED SITE FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART V. OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

STANDARD PERMIT CONDITIONS:

(A.) DUTY TO COMPLY.

- EACH PERMITTEE MUST COMPLY WITH ALL APPLICABLE CONDITIONS OF THIS PERMIT. ANY PERMIT NONCOMPLIANCE CONSTITUTES A VIOLATION OF THE GEORGIA WATER QUALITY CONTROL ACT (O.C.G.A. 12-5-20, ET SEQ.) AND IS GROUNDS FOR ENFORCEMENT ACTION; FOR PERMIT TERMINATION; OR FOR RETRIEVAL OF A PERMIT. THE PERMITTEE SHALL BE RESPONSIBLE TO COMPLY WITH ANY APPLICABLE TERM OR CONDITION OF THIS PERMIT SHALL NOT RELIEVE ANY OTHER PRIMARY PERMITTEE FROM COMPLIANCE WITH THEIR APPLICABLE TERMS AND CONDITIONS OF THIS PERMIT.
- EACH PERMITTEE MUST DOCUMENT IN THEIR RECORDS ANY AND ALL KNOWN VIOLATIONS OF THIS PERMIT AT HIS/HER SITE WITHIN SEVEN (7) DAYS OF HIS/HER KNOWLEDGE OF THE VIOLATION. A SUMMARY OF THESE VIOLATIONS MUST BE SUBMITTED TO EPD BY THE PERMITTEE AT THE ADDRESSES SHOWN IN PART C. WITHIN FOURTEEN (14) DAYS OF HIS/HER DISCOVERY OF THE VIOLATION.
- PENALTIES FOR VIOLATIONS OF PERMIT CONDITIONS, THE FEDERAL CLEAN WATER ACT AND THE GEORGIA WATER QUALITY CONTROL ACT (O.C.G.A. 12-5-20, ET. SEQ.) PROVIDE THAT ANY PERSON WHO FALSIFIES, TAMPERS WITH, OR KNOWINGLY RENDERS INACCURATE ANY MONITORING DEVICE OR METHOD REQUIRED TO BE MAINTAINED UNDER THIS PERMIT, OR WHO MAKES ANY FALSE STATEMENT, REPRESENTATION, OR CERTIFICATION IN ANY OTHER DOCUMENT SUBMITTED OR REQUIRED TO BE MAINTAINED UNDER THIS PERMIT, INCLUDING MONITORING REPORTS OR REPORTS OF NONCOMPLIANCE, OR WHO VIOLATES ANY PROVISION OF THE ACTS, ANY PERMIT CONDITION OR LIMITATION ESTABLISHED PURSUANT TO THE ACTS, OR NEGLIGENTLY OR INTENTIONALLY FAILING OR REFUSING TO COMPLY WITH ANY FINAL OR EMERGENCY ORDER OF THE DIRECTOR.

(B.) CONTINUATION OF THE EXPIRED GENERAL PERMIT.

THIS PERMIT EXPIRES ON THE DATE SHOWN ON THE COVER PAGE OF THIS PERMIT. HOWEVER, AN EXPIRED GENERAL PERMIT CONTINUES IN FORCE AND EFFECT UNTIL A NEW GENERAL PERMIT IS ISSUED, FINAL AND EFFECTIVE. FACILITIES THAT HAVE NOT OBTAINED COVERAGE UNDER THE PERMIT BY THE PERMIT EXPIRATION DATE CANNOT BE AUTHORIZED TO DISCHARGE UNDER THE CONTINUED PERMIT.

(C.) NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE.

IT SHALL NOT BE A DEFENSE FOR THE PERMITTEE IN AN ENFORCEMENT ACTION THAT IT WOULD HAVE BEEN NECESSARY TO HALT OR REDUCE THE PERMITTED ACTIVITY IN ORDER TO MAINTAIN COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT.

(D.) DUTY TO MITIGATE.

THE PERMITTEE SHALL TAKE ALL REASONABLE STEPS TO MINIMIZE OR PREVENT ANY DISCHARGE IN VIOLATION OF THIS PERMIT WHICH HAS A REASONABLE LIKELIHOOD OF ADVERSELY AFFECTING HUMAN HEALTH OR THE ENVIRONMENT.

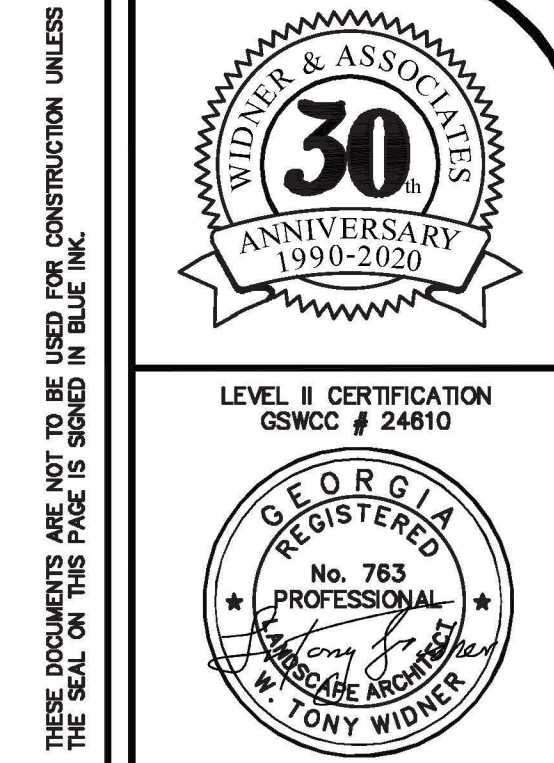
(E.) DUTY TO PROVIDE INFORMATION.

THE PERMITTEE SHALL FURNISH TO THE DIRECTOR: A STATE OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, GRADING PLANS, OR STORM WATER MANAGEMENT PLANS; OR IN THE CASE OF A STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION OF A MUNICIPAL SEWER SYSTEM WITH AN NPDES PERMIT, TO THE LOCAL GOVERNMENT OPERATING THE MUNICIPAL SEWER SYSTEM, ANY INFORMATION WHICH IS REQUESTED TO DETERMINE COMPLIANCE WITH THIS PERMIT. IN THE CASE OF INFORMATION SUBMITTED TO THE EPD SUCH INFORMATION SHALL BE CONSIDERED PUBLIC INFORMATION AND AVAILABLE UNDER THE GEORGIA OPEN RECORDS ACT.

SOIL CLEANUP AND CONTROL POLICIES:

- LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE AVAILABLE TO SITE PERSONNEL.
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- FOR ALL SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 650 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.



THESE DOCUMENTS AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF WIDNER AND ASSOCIATES, AND NO PART THEREOF MAY BE USED OR REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION.

Widner & Associates, Inc.
 PROFESSIONAL ENGINEER
 No. 763
 License No. 10917
 TONY WIDNER
 STATE OF GEORGIA
 P.O. BOX 102, MACON, GEORGIA 31202
 PH: (478) 740-2000 FAX: (478) 740-2000
 EMAIL: widner@widner-assoc.com WEBSITE: www.widner-assoc.com

NOTES CONTINUED FOR
**BLOOMFIELD PARK
 SPORTS COMPLEX RENOVATION**
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160

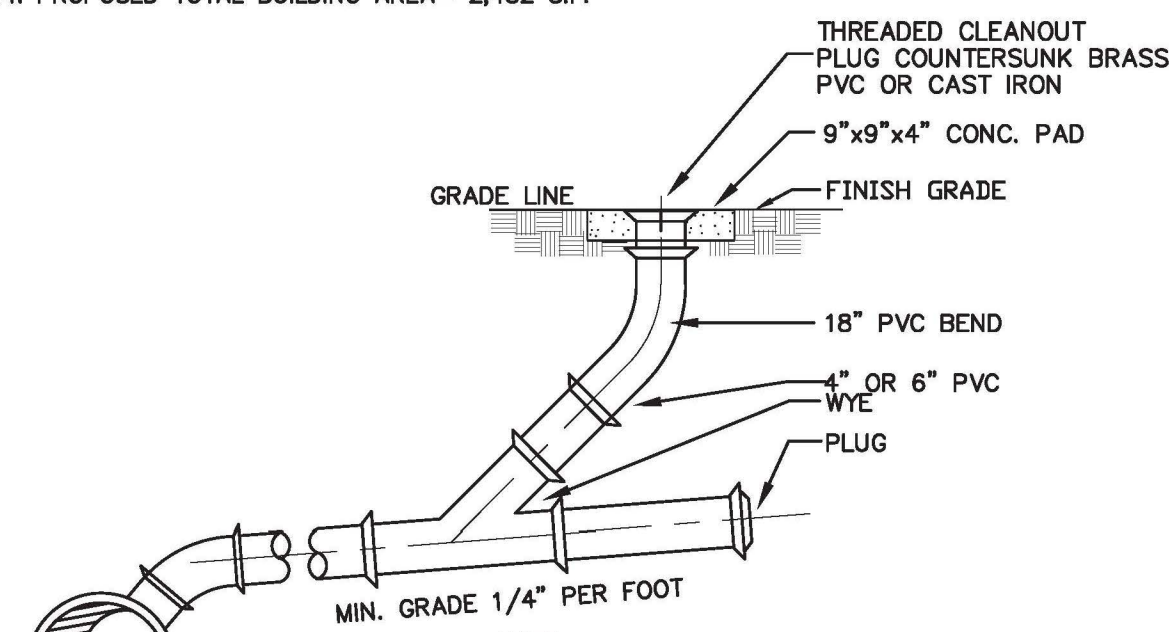
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REVISIONS:
 1. _____
 2. _____
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 4. _____

SHEET
 DATE: 06/01/2021
 DRAWN BY: FRH
 CHECKED BY: WTW
 PROJECT #: 9999-012
 SCALE: AS SHOWN
 APPROV. C-32

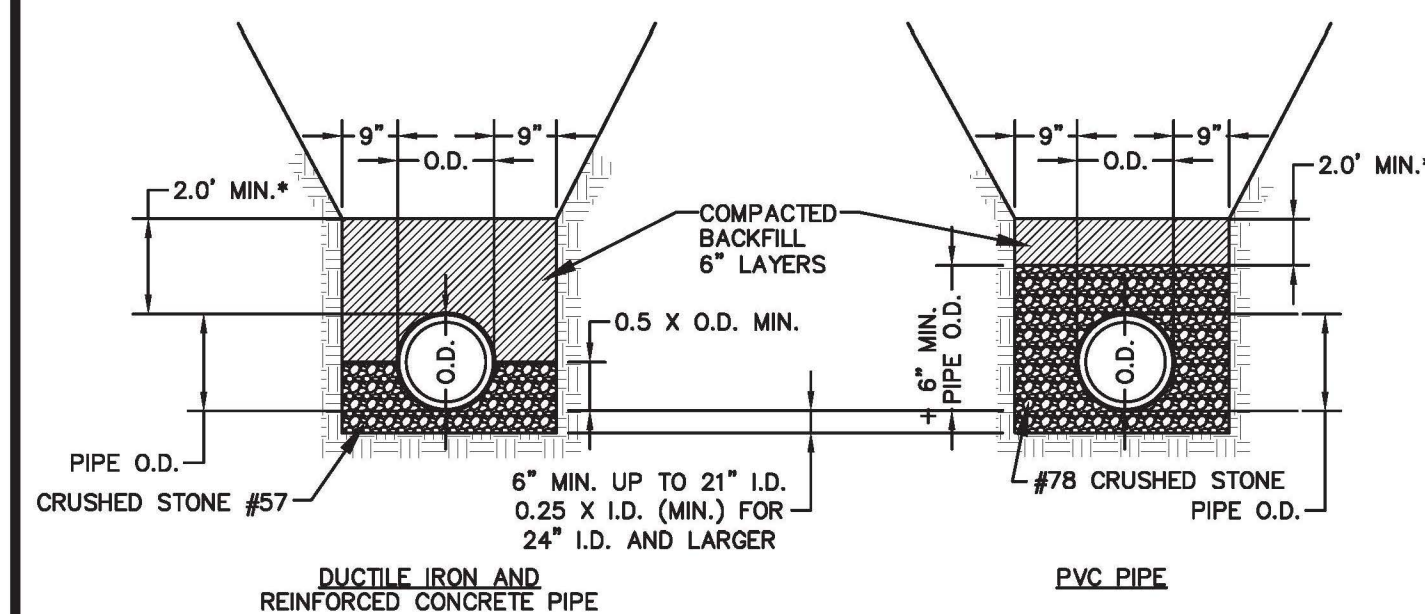
UTILITY NOTES:

- ALL UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE TO THE MACON WATER AUTHORITY REGULATIONS, LATEST REVISIONS THEREOF.
- EXISTING UTILITY INFORMATION SHOWN WITHIN THESE PLANS WAS OBTAINED FROM THE BEST AVAILABLE SOURCE AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF EXISTING UTILITIES, AND IS RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITIES, EITHER PUBLIC OR PRIVATE SHOWN OR NOT SHOWN HEREON.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADE AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND EROSION.
- ALL ELEVATIONS ARE IN REFERENCE TO THE BENCHMARK AND THIS MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO GROUND BREAKING.
- CONNECTIONS TO EXISTING WATER LINE WILL BE BY MACON WATER AUTHORITY AND WILL BE PAID BY THE CONTRACTOR.
- A MINIMUM VERTICAL SEPARATION OF 18" AND MINIMUM HORIZONTAL SEPARATION OF 10" MUST BE MAINTAINED BETWEEN WATER MAINS AND SANITARY SEWER LINES.
- ALL SANITARY MANHOLE RIMS AND CLEANOUTS TO BE SET FLUSH WITH GRADE UNLESS NOTED OTHERWISE.
- SEWER PIPE LENGTHS SHOWN ARE FROM CENTER TO CENTER OF M.H.'S. ALL LENGTHS ARE APPROXIMATE.
- ALL ROAD AND DRAINAGE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE BIBB COUNTY STANDARDS, LATEST REVISIONS THEREOF.
- ALL DITCHES ARE TO BE STABILIZED WITH A TEMPORARY COVERING OF STRAW AND EROSIONET 315 OR EQUIVALENT AS SOON AS PRACTICAL.
- ALL DITCHES ARE TO BE STABILIZED WITH A 100% COVERING OF BERMUDA GRASS BEING 2.5 INCHES AVERAGE HEIGHT UPON COMPLETION OF GRADING AND PAVING AND COVERED WITH EROSIONET 315 OR EQUIVALENT. SEE MECHANICAL DRAWINGS/ PLUMBING CONTRACTOR FOR CONNECTIONS TO BUILDING.
- UTILITY DESCRIPTION: REMOVE AND CAP EXISTING UTILITIES PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES, PER MWA. MWA TO SET NEW METER SERVICE FOR A 2" DOMESTIC SERVICE AND FOR TWO (2) 2" IRRIGATION METERS ADJACENT TO THE PARKING LOT AT THE END OF LIONS PLACE. NEW SERVICE WILL BE ROUTED FROM THE DOMESTIC METER TO THE NORTH AND SOUTH RESTROOM BUILDINGS AND THE NEW CONCESSION BUILDING. IRRIGATION WILL BE PROVIDED FROM THE TWO (2) 2" IRRIGATION METERS TO THE FIELDS, AS SHOWN. SANITARY SEWER LATERALS WILL BE CONNECTED TO EXISTING LATERALS, AS SHOWN. A GREASE TRAP WILL BE INSTALLED FOR THE CONCESSIONS BUILDING PER THE PLUMBING PLANS. AN EASEMENT IN FAVOR OF MWA WILL BE PROVIDED BY MACON-BIBB CO. FOR ANY AND ALL WATER AND SEWER SERVICE AND DISTRIBUTION LINES OPERATED BY MWA.
- TOTAL LINEAR FOOTAGE OF UTILITIES:
 1- 2" DOMESTIC SERVICE WATER METER RELOCATED BY MWA
 2- 2" IRRIGATION WATER METERS
 ±1155 L.F. OF PROPOSED 2" PVC DOMESTIC WATER SERVICE
 ±379 L.F. OF PROPOSED 4" SRD-26 PVC SEWER LATERAL
 ±35 L.F. OF PROPOSED 18" HDPE STORM PIPE
 ±291 L.F. OF PROPOSED 24" HDPE STORM PIPE
- PROPOSED TOTAL BUILDING AREA= 2,482 S.F.



NOTE: THE DETAILS SHOWN ABOVE REFER TO A LOCATION WHERE FINISH GRADE IS COMPLETE. IF THE GRADING IS NOT COMPLETE THE CONTRACTOR CAN DELETE THE WYE, BEND, CLEANOUT PLUG AND PAD. IN LIEU OF THAT, HE SHOULD INSTALL A PLUG, NO. 4 REBAR (12) INCHES ABOVE GRADE AND THE TRACER TAPE. THE OWNER SHALL INSTALL THE CLEANOUT PLUG AND PAD WHEN THE SEWER LATERAL IS CONNECTED.

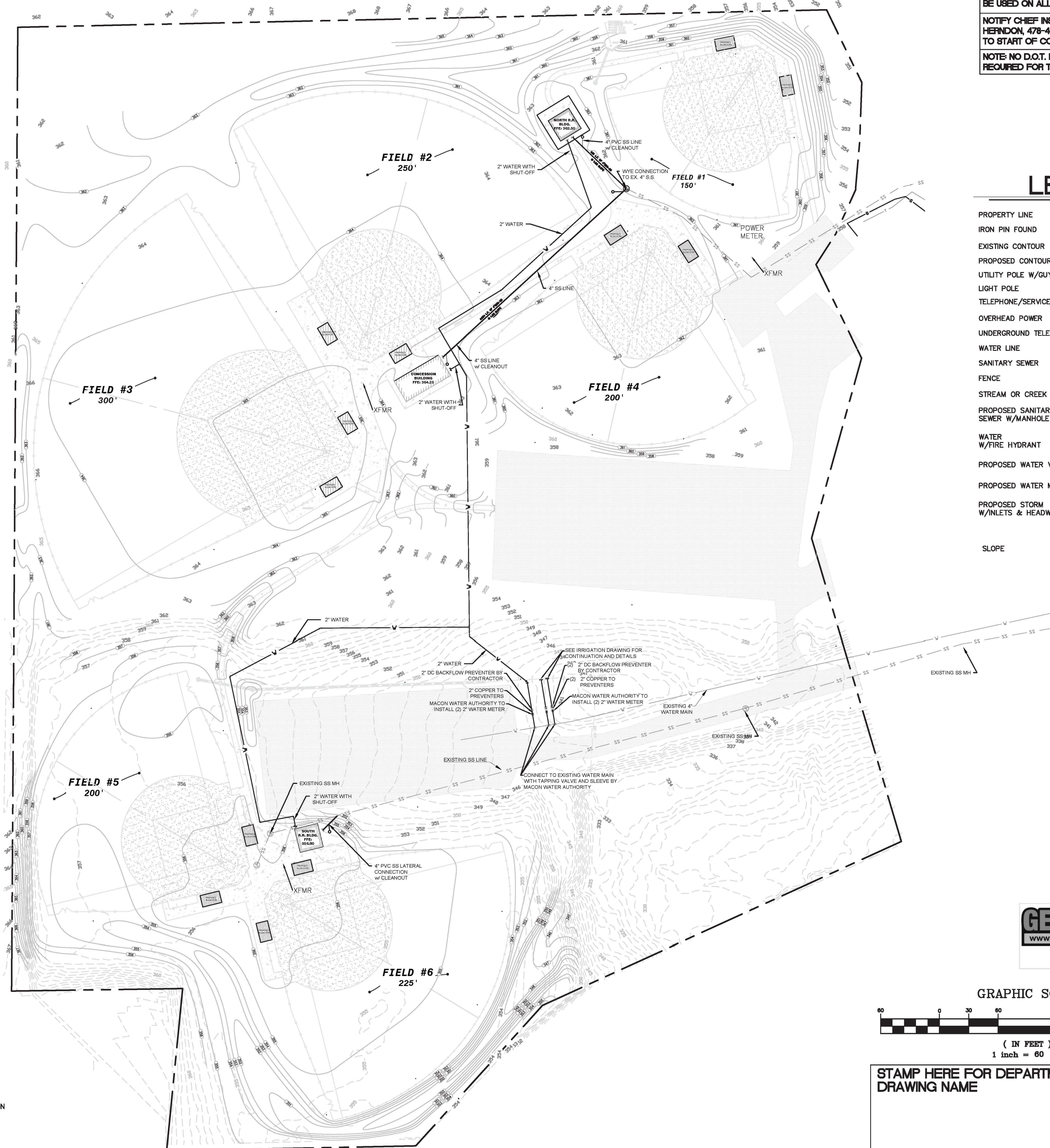
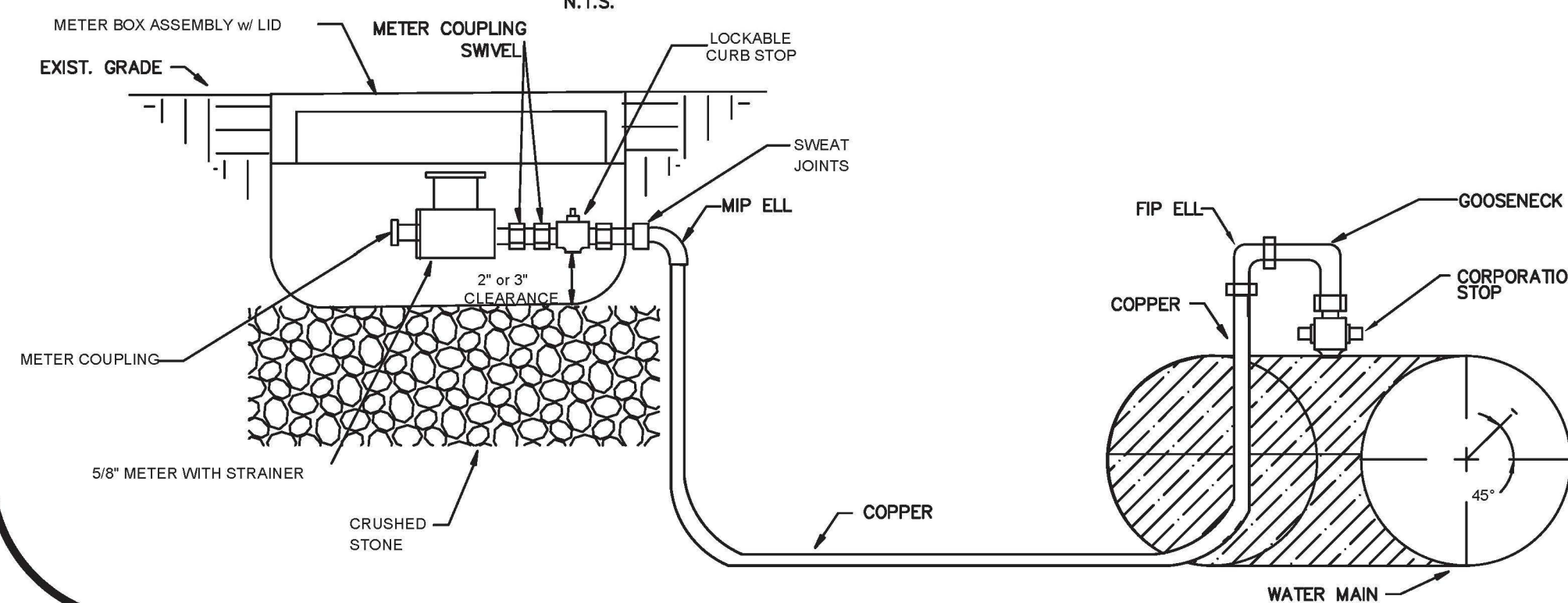
TYPE #1
N.T.S.
CLEANOUT DETAILS
N.T.S.



CASING NOTES:

- MIN. COVER TO TOP OF CASING: A) RAILROAD-5.5' TO BASE OF RAIL-4.5' FOR SECONDARY OR INDUSTRIAL TRACKS; B) STREET-3.0'
 - THE INSIDE DIA. OF THE CASING PIPE SHALL BE A MIN. OF 4 INCHES GREATER THAN THE OUTSIDE DIA. OF CARRIER PIPE BELL OR COUPLING.
 - IN ADDITION TO THE SUPPORT ARRANGEMENT OF TIMBER OR METAL SKIDS, THE CONTRACTOR SHALL PROVIDE 4 FOOT LONG SKIDS FOR EACH LENGTH OF CARRIER PIPE AT THE SPRING LINE AND ON TOP ADJACENT TO THE BELL END OF THE PIPE DESIGN TO PREVENT LATERAL OR VERTICAL DISPLACEMENT.
 - ROTATION OF CARRIER PIPE INSIDE THE CASING PIPE WILL NOT BE PERMITTED. MECHANICAL OR FLANGED JOINT PIPE SHALL BE USED TO HELP PREVENT SUCH ROTATION.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF CASING OR TUNNEL LINER PIPE INSTALLATION FOR ENGINEER'S APPROVAL PRIOR TO FABRICATION OF PIPING, CASING AND APPURTENANCES.
- * SIDES OF THE TRENCH TO BE VERTICAL FOR MINIMUM 2' ABOVE THE PIPE.

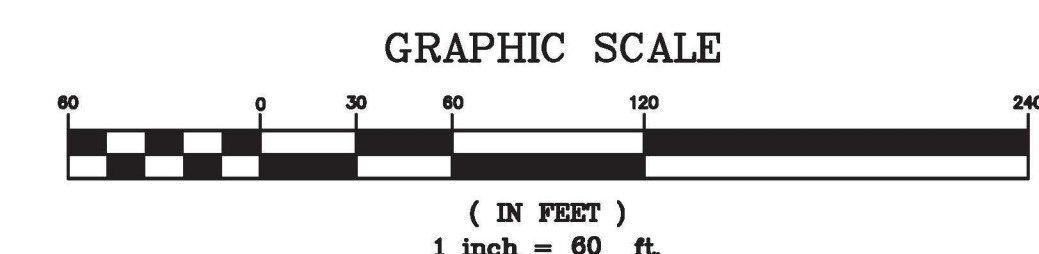
TYPICAL PIPE BEDDING DETAILS
N.T.S.



NOTE: A BLACK PLASTIC BAG MUST BE PLACED AND SECURED OVER OUT OF SERVICE FIRE HYDRANTS WHILE THEY ARE NOT OPERATIONAL OR OUT OF SERVICE.
 NOTE: METALLIC LOCATOR TAPE SHALL BE USED ON ALL SS LATERALS.
 NOTIFY CHIEF INSPECTOR JOEL HERNDON, 478-464-5635 EXT. 5639, PRIOR TO START OF CONSTRUCTION.
 NOTE: NO D.O.T. DRAINAGE UTILITY REQUIRED FOR THIS CONSTRUCTION.

LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	---100---
UTILITY POLE W/GUY WIRE	PP
LIGHT POLE	LP
TELEPHONE/SERVICE POLE	TP/SP
OVERHEAD POWER	OHP
UNDERGROUND TELEPHONE	UGT
WATER LINE	W
SANITARY SEWER	SS
FENCE	X-X-X
STREAM OR CREEK	---
PROPOSED SANITARY SEWER W/MANHOLE	FH
WATER W/FIRE HYDRANT	FH
PROPOSED WATER VALVE	X
PROPOSED WATER METER	MB
PROPOSED STORM W/INLETS & HEADWALL	CB, DWCB, SWCB, HW
SLOPE	→



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DRAWING NAME _____ DRAWING # _____

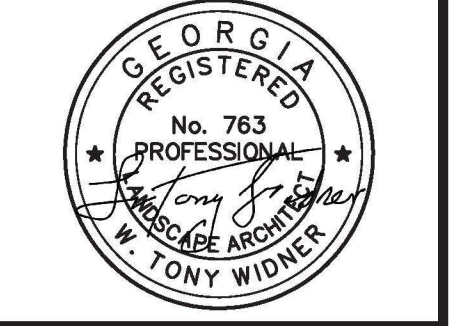
- REVISIONS:**
- MWA REVIEW - 06-22-21
 -
 -
 -

NOTE: ALL BACKFLOW PREVENTION DEVICES MUST BE INSTALLED AND TESTED WITHIN SEVEN (7) BUSINESS DAYS AFTER METER INSTALLATIONS AND ESTABLISHED USE OF THE METER ACCOUNTS.

THESE DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS THE SEAL ON THIS PAGE IS SIGNED IN BLUE INK.



LEVEL II CERTIFICATION
GSWCC # 24610



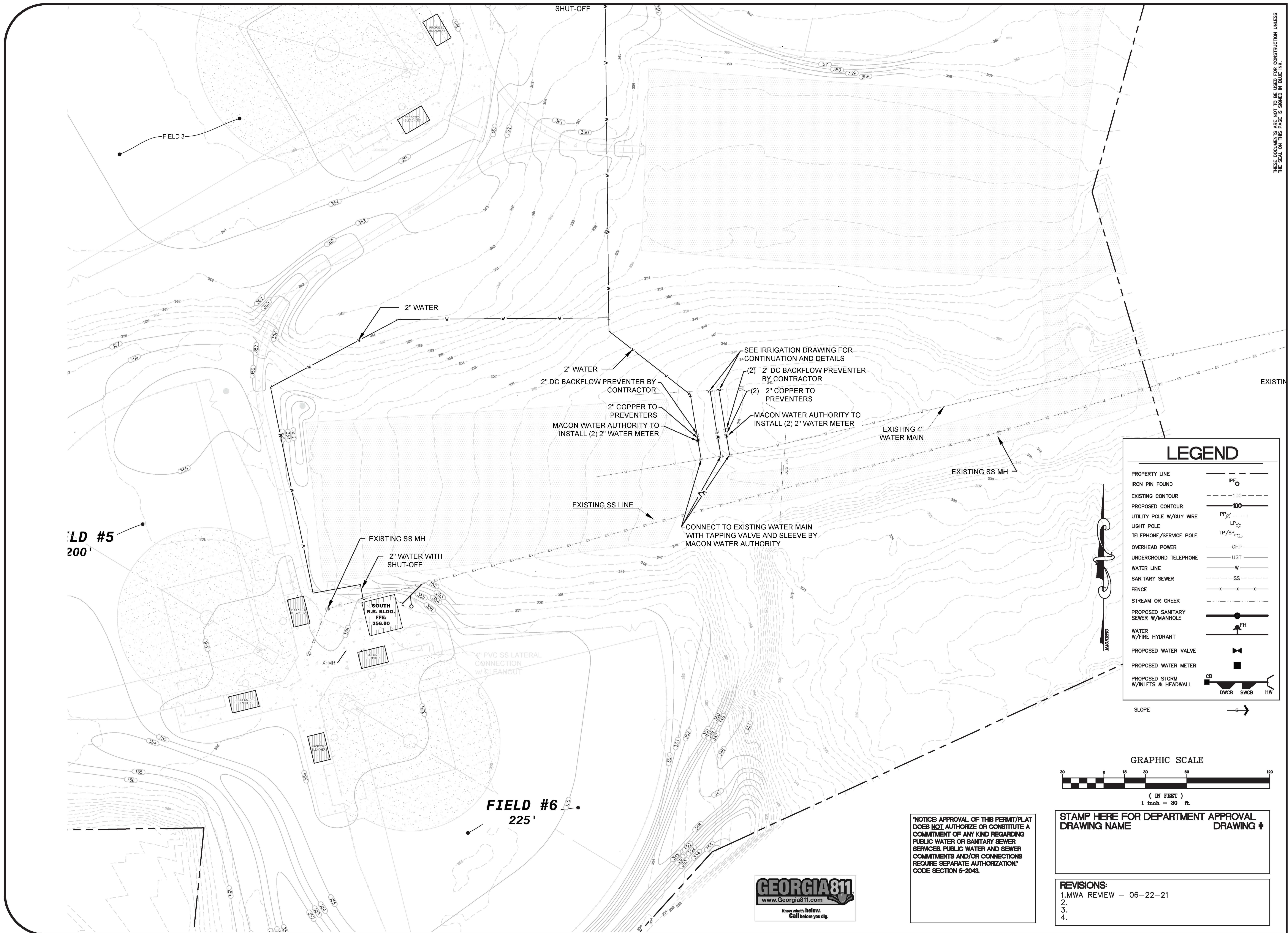
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 P.O. BOX 102 MACON, GEORGIA 31202
 PH: 478-748-2010 FAX: 478-748-2010
 WWW.WIDNER-ASSOC.COM

OVERALL UTILITY PLAN FOR
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160 4TH LAND DISTRICT

DATE: 06/01/2021
 DRAWN BY: FRH
 CHECKED BY: WTW
 PROJECT #: 9999-012

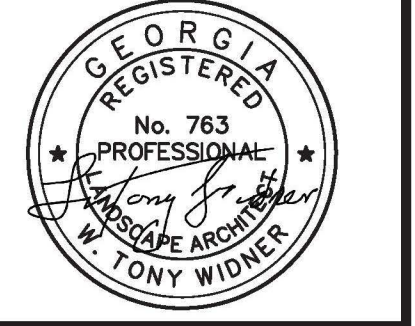
SHEET
C-33
 SCALE: 1" = 60'
 APPROV. _____



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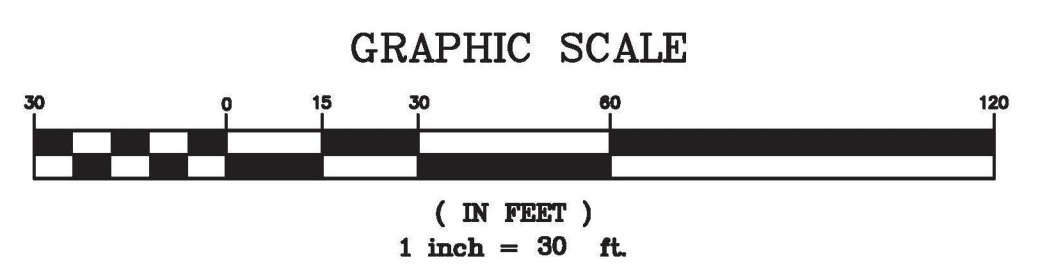
LEVEL II CERTIFICATION
GSWCC # 24610



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 PH: (478) 748-2010
 FAX: (478) 748-2010
 WEBSITE: www.widner-associates.com

LEGEND	
PROPERTY LINE	---
IRON PIN FOUND	IPF ○
EXISTING CONTOUR	---100---
PROPOSED CONTOUR	---100---
UTILITY POLE W/GUY WIRE	PP ○ ---
LIGHT POLE	LP ○
TELEPHONE/SERVICE POLE	TP/SP ○
OVERHEAD POWER	OHP ---
UNDERGROUND TELEPHONE	UGT ---
WATER LINE	W ---
SANITARY SEWER	SS ---
FENCE	x-x-x
STREAM OR CREEK	~~~~~
PROPOSED SANITARY SEWER W/MANHOLE	---●---
WATER W/FIRE HYDRANT	---●---
PROPOSED WATER VALVE	⊗
PROPOSED WATER METER	⊠
PROPOSED STORM W/INLETS & HEADWALL	CB DWCB SWCB HW
SLOPE	→



NOTICE: APPROVAL OF THIS PERMIT/PLAT DOES NOT AUTHORIZE OR CONSTITUTE A COMMITMENT OF ANY KIND REGARDING PUBLIC WATER OR SANITARY SEWER SERVICES. PUBLIC WATER AND SEWER COMMITMENTS AND/OR CONNECTIONS REQUIRE SEPARATE AUTHORIZATION. CODE SECTION 5-2043.

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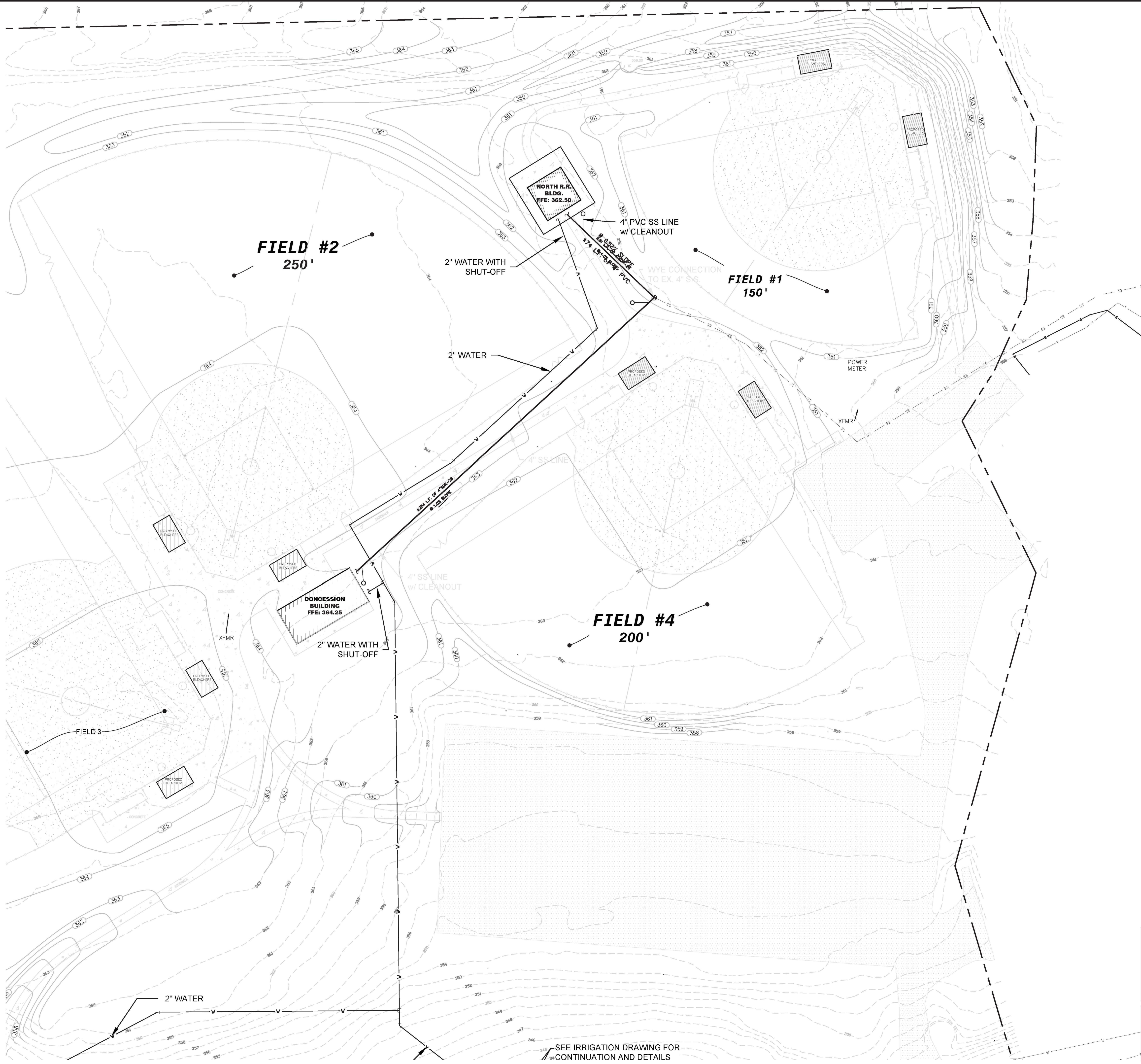
REVISIONS:
 1. MWA REVIEW - 06-22-21
 2.
 3.
 4.



UTILITY PLAN 1 OF 2
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160

DATE: 01/15/21
 DRAWN BY: FRH
 CHECKED BY: WTW
 PROJECT #: 9999-012

SHEET
 C-34
 SCALE: 1" = 30'
 APPROV.



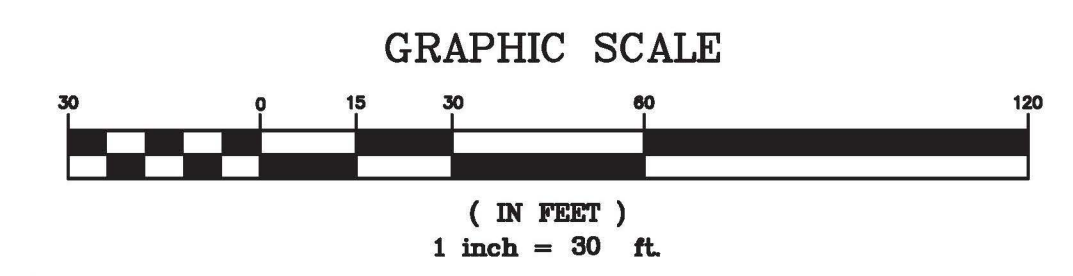
LEGEND

PROPERTY LINE	---
IRON PIN FOUND	IPF ○
EXISTING CONTOUR	- - - - -100-
PROPOSED CONTOUR	—100—
UTILITY POLE W/GUY WIRE	PP/— —
LIGHT POLE	LP ☆
TELEPHONE/SERVICE POLE	TP/SP/— —
OVERHEAD POWER	—OHP—
UNDERGROUND TELEPHONE	—UGT—
WATER LINE	—W—
SANITARY SEWER	—SS—
FENCE	—x—x—x—
STREAM OR CREEK	~~~~~
PROPOSED SANITARY SEWER W/MANHOLE	—●—
WATER W/FIRE HYDRANT	—FH—
PROPOSED WATER VALVE	—X—
PROPOSED WATER METER	—M—
PROPOSED STORM W/INLETS & HEADWALL	—CB —DWCB SWCB HW—
SLOPE	—S—>

THE OWNER'S CONTRACTOR WILL BE RESPONSIBLE FOR INVESTIGATION/INSPECTION/REHABILITATION AND LOCATION OF ALL WATER SERVICE(S) INCLUDING METER BOX(S) AND SEWER STUB OUT PRIOR TO THE PREPARATION OF THIS LOT(S). OWNER WILL BE RESPONSIBLE FOR ANY DAMAGES TO ANY WATER SERVICE(S), BOX(S) OR SEWER STUB OUT AT ANY TIME.

'NOTICE: APPROVAL OF THIS PERMIT/PLAT DOES NOT AUTHORIZE OR CONSTITUTE A COMMITMENT OF ANY KIND REGARDING PUBLIC WATER OR SANITARY SEWER SERVICES. PUBLIC WATER AND SEWER COMMITMENTS AND/OR CONNECTIONS REQUIRE SEPARATE AUTHORIZATION' CODE SECTION 5-2043.

NOTE: ALL BACKFLOW PREVENTION DEVICES MUST BE INSTALLED AND TESTED WITHIN SEVEN (7) BUSINESS DAYS AFTER METER INSTALLATIONS AND ESTABLISHED USE OF THE METER ACCOUNTS.



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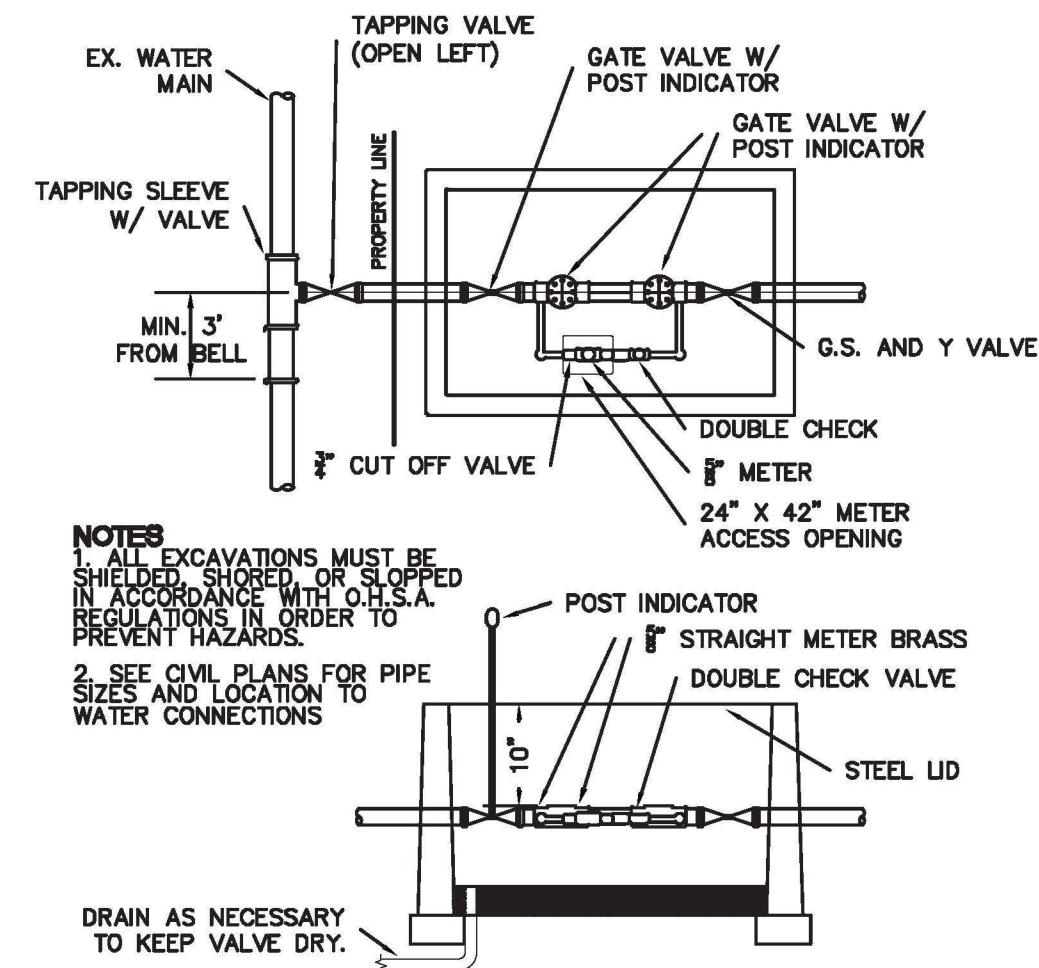
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 PH: (478) 748-2010 WEBSITE: www.widner-associates.com
 EMAIL: info@widner-associates.com

UTILITY PLAN 2 OF 2
BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT 160 4TH LAND DISTRICT

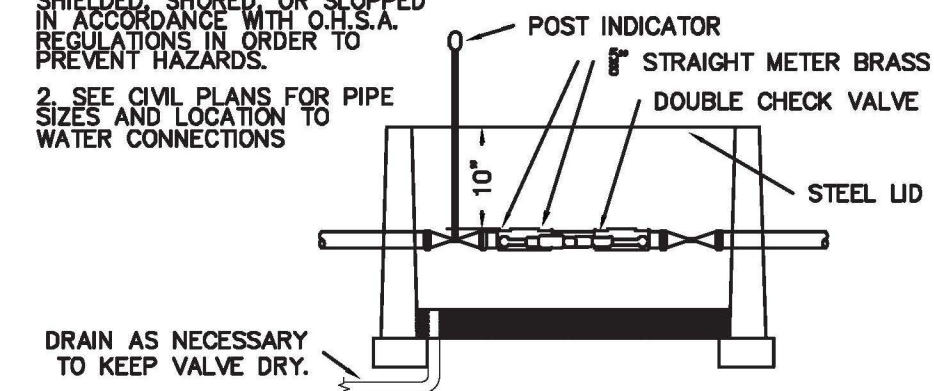
DATE: 06/01/2021
 DRAWN BY: FRH
 CHECKED BY: WTW
 PROJECT #: 9999-012

SHEET C-35
 SCALE: 1" = 30'
 APPROV. _____

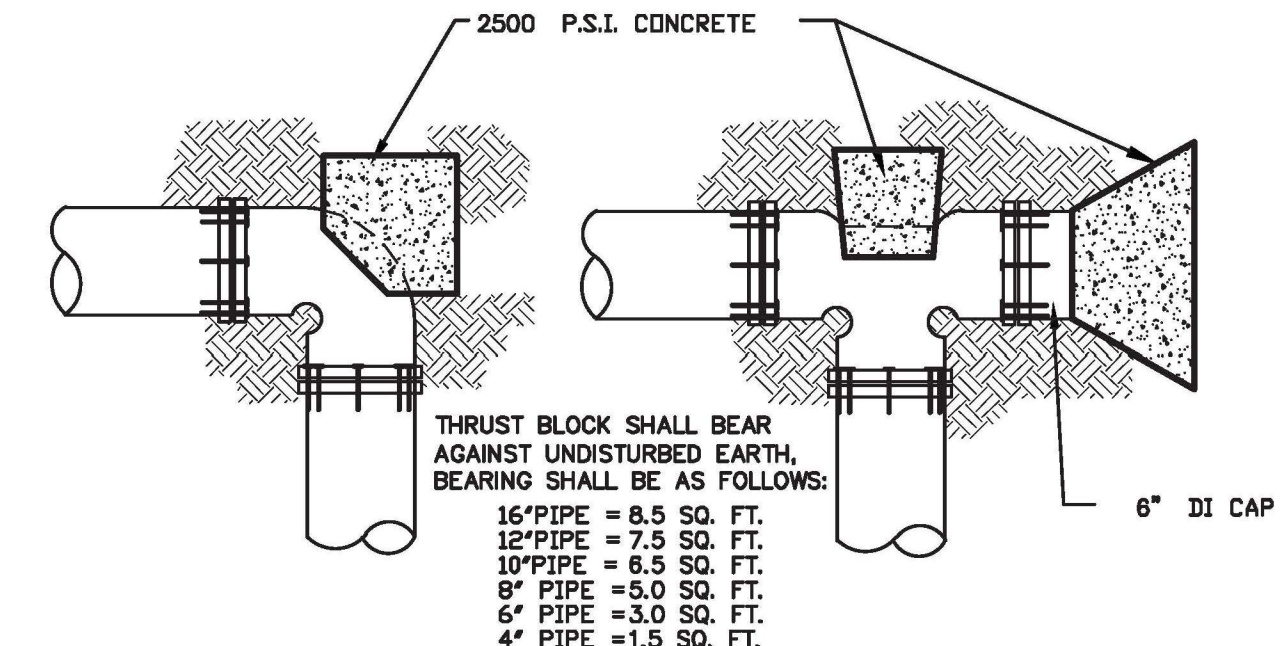
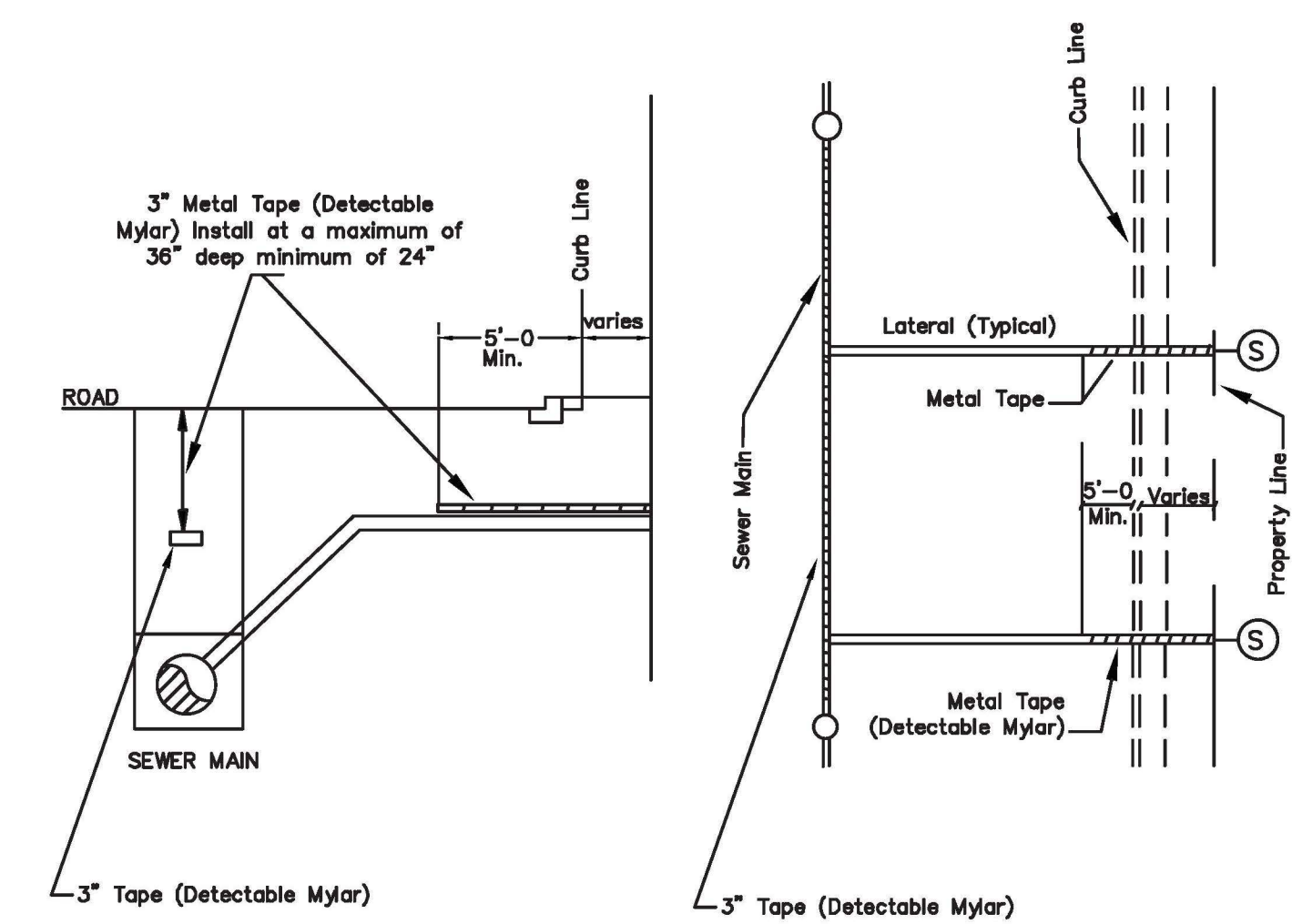
SEE IRRIGATION DRAWING FOR CONTINUATION AND DETAILS



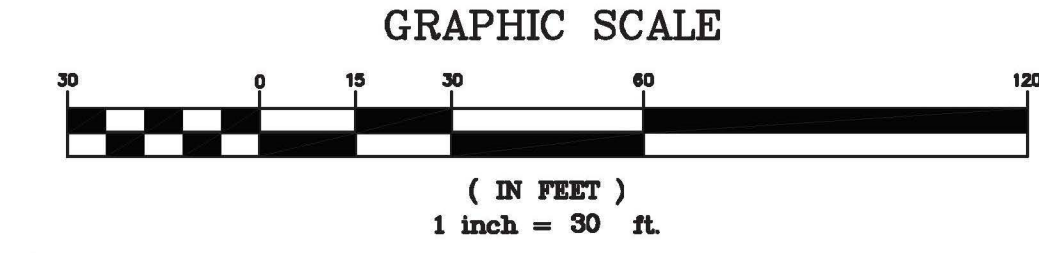
NOTES
1. ALL EXCAVATIONS MUST BE SHIELDED, SHORED, OR SLOPPED IN ACCORDANCE WITH O.H.S.A. REGULATIONS IN ORDER TO PREVENT HAZARDS.
2. SEE CIVIL PLANS FOR PIPE SIZES AND LOCATION TO WATER CONNECTIONS



(TYP.) DOUBLE DETECTOR CHECK VALVE INSTALLATION
N.T.S.



TYPICAL THRUST BLOCK DETAILS
N.T.S.



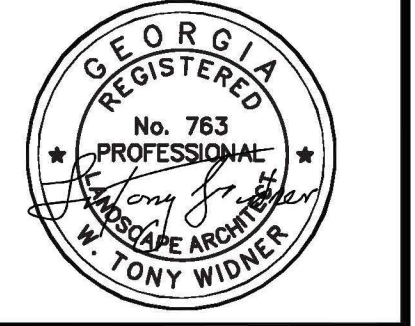
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REVISIONS:
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LEVEL II CERTIFICATION
GSWCC # 24610



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UTILITY DETAILS
BLOOMFIELD PARK SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/25/2021
DRAWN BY: MTW
CHECKED BY: WTW
PROJECT #: 9999-012
SHEET: C-35A
SCALE: N/A
APPROV.:

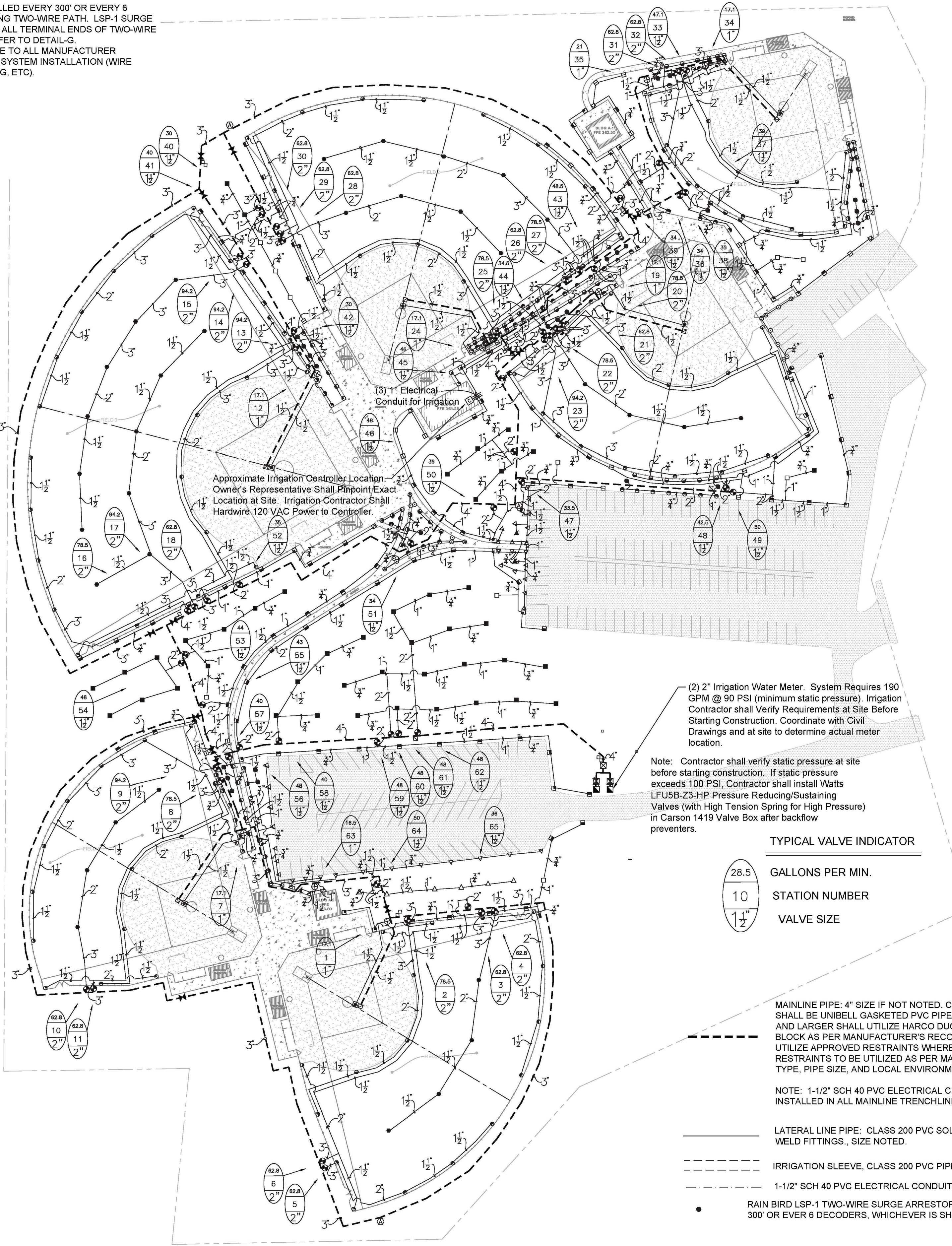
NOTES:

- ALL SPRINKLER TO BE MOUNTED ON MARLEX ELLS WING JOINTS (AS SPECIFIED ON DETAILS).
- CONTRACTOR TO UTILIZE A AUTOMATIC DRAIN CHECK VALVE DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
- ALL TWO-WIRE CABLE TO BE MINIMUM SIZE OF 14-2 MAXI-CABLE.
- ALL TWO-WIRE CABLE TO BE INSTALLED IN 1-1/2" SCH 40 PVC ELECTRICAL CONDUIT.
- ALL ELECTRICAL CONDUITS OPENINGS TO BE FOAM SEALED.
- ALL WIRE SPLICES TO BE MADE WITH 3M DBR/7-6 CONNECTORS MOUNTED IN A MINIMUM OF 10" CARSON VALVE BOX
- ALL PIPING AND WIRING UNDER HARDTOPS WILL BE IN CLASS 200 PVC PIPE SLEEVE.
- LSP-1 SURGE ARRESTORS SHALL BE INSTALLED EVERY 300' OR EVERY 6 DECODERS (WHICHEVER IS SHORTER) ALONG TWO-WIRE PATH. LSP-1 SURGE ARRESTORS SHALL ALSO BE INSTALLED AT ALL TERMINAL ENDS OF TWO-WIRE CABLE PATHS (STAR CONFIGURATION). REFER TO DETAIL-G.
- INSTALLATION CONTRACTOR SHALL ADHERE TO ALL MANUFACTURER SPECIFICATIONS FOR TWO-WIRE CONTROL SYSTEM INSTALLATION (WIRE SIZING, WIRE LENGTH OF RUNS, GROUNDING, ETC).

GENERAL NOTES

- ALL MAINLINES TO HAVE A MINIMUM OF 18" OF COVER. (CLASS 200 PVC PIPE, CLASS 200 PVC FOR 4" AND LARGER).
- ALL LATERAL AND SUB-MAIN PIPE TO HAVE A MINIMUM OF 12" OF COVER. (CLASS 200 PVC PIPE).
- NO ROCKS, BOULDER, OR OTHER EXTRANEOUS MATERIALS TO BE USED IN BACKFILLING OF TRENCH.
- ALL PIPE TO BE INSTALLED AS PER MANUFACTURERS' SPECIFICATIONS.
- ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE OR LIQUID TEFLON.
- ALL LINES TO BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF SPRINKLER HEADS.
- SPRINKLER AND RELATED EQUIPMENT TO BE INSTALLED AS PER DETAILS.
- ALL ELECTRICAL JOINTS TO BE MADE USING WATERPROOF CONNECTIONS AS SHOWN ON DETAILS.
- ALL EQUIPMENT NOT SPECIFIED IN THE LEGEND SHALL BE DETERMINED AND FURNISHED BY THE CONTRACTOR.
- NO ELECTRICAL CONNECTIONS SHALL BE MADE IN THE FIELD EXCEPT AT A VALVE CONTROL BOX OR ANOTHER VALVE BOX SPECIFICALLY FOR CONNECTIONS.
- ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET MUST BE REFERRED TO THE IRRIGATION CONSULTANT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PRECEEDING WITH THE WORK.
- ALL TWO-WIRE CONTROL WIRES SHALL BE #14-2 MAXI CABLE, INSTALLED IN 1" SCH 40 PVC ELECTRICAL CONDUIT.
- CONTRACTOR TO BE RESPONSIBLE FOR PROPER COVERAGE OF AREAS TO BE WATERED. I.E. ADJUST HEADS WITH INSUFFICIENT COVERAGE DUE TO BLOCKAGE BY EXISTING OR PROPOSED SITE FEATURES.
- CONTRACTOR TO REFER TO LANDSCAPE PLAN TO KEEP SPRINKLER EQUIPMENT AND ACCESSORY MATERIAL FROM INTERFERING WITH PROPER PLANTING. I.E. VERIFY ROOT BALL SIZE FOR PLANTING.
- CONTRACTOR SHALL PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 3/4" PIPE 12 TIMES).
- CONTRACTOR TO UTILIZE APPROPRIATE AUTOMATIC DRAIN DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
- ALL SPRINKLERS TO BE INSTALLED AS DETAILED ON PLANS.
- CONTRACTOR SHALL UTILIZE VALVE I.D. TAGS ON ALL REMOTE CONTROL VALVES.
- CONTOL WIRE SHALL BE COLOR CODED PER SEPARATE WIRE RUNS.
- CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDED GROUNDING EQUIPMENT FOR POWER SUPPLY AND VALVE OUTPUT WITH PAIGE WIRE GROUND PLATE ASSEMBLY.
- CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDATION ON FAULT GROUND AND LIGHTNING PROTECTION.
- CONTROLLER GROUNDING MUST BE AS PER PAIGE WIRE GROUNDING REQUIREMENTS
- ALL MATERIAL TO BE SUPPLIED BY CONTRACTOR TO OWNER:
 - TWO WRENCHES FOR DISASSEMBLING AND ADJUSTING EACH TYPE OF SPRINKLER HEADS AND VALVE SUPPLIED.
 - TWO KEYS FOR EACH OF THE AUTOMATIC CONTROLLERS.
 - TWO QUICK COUPLER KEYS WITH MATCHING HOSE SWIVELS.
- SYSTEM IS DIAGRAMMATIC TO IMPROVE CLARITY. ALL MAINLINE PIPING ELECTRIC VALVES AND WIRING ARE TO BE INSTALLED IN LANDSCAPE AREAS AND WITHIN PROPERTY BOUNDARIES. CONTRACTOR SHALL REFERENCE THE LANDSCAPE PLAN PRIOR TO THE INSTALLATION OF PIPING TO AVOID CONTACT WITH PLANT MATERIALS EXISTING OR NEW.
- CONTRACTOR TO ADD EXTENSION RISER TO POP-UP HEADS WHEN NEEDED FOR PROPER COVERAGE.
- CONTRACTOR SHALL INSTALL SPRINKLER EQUIPMENT 12" FROM FOUNDATIONS. ALSO INSTALL SPRINKLERS 4" FROM CURBS OR WALKS.
- PRIOR TO BID IRRIGATION CONTRACTOR SHALL VERIFY RIGHT-OF-WAY AND BACKFLOW REQUIREMENTS. NO LATER THAN FIVE DAYS BEFORE BID SUBMITTALS CONTRACTOR SHALL NOTIFY CONSULTANT OF ANY CHANGES FROM PLANS AND SPECIFICATIONS.
- IRRIGATION CONTRACTOR SHALL PROVIDE THE OWNER AND LANDSCAPE ARCHITECT WITH A REPRODUCIBLE CROSS MEASURED AS-BUILT DRAWING OF THE INSTALLED IRRIGATION SYSTEM IN AUTOCAD 2010 FORMAT BEFORE FINAL ACCEPTANCE.
- A 1-YEAR WARRANTY PERIOD SHALL BE PROVIDED FOR SYSTEM AFTER SUBSTANTIAL COMPLETION IS ACCEPTED. START UP AND ADJUSTING OF SYSTEM IN SPRING TIME SHALL BE INCLUDED IN WARRANTY.
- PRIOR TO BID, CONTRACTOR SHALL VERIFY THAT ALL MATERIALS, INSTALLATION PARAMETERS AND OPERATIONS CONFORM TO ALL APPLICABLE CODES AND ORDINANCES. NO LATER THAN FIVE DAYS BEFORE BID SUBMITTALS CONTRACTOR SHALL NOTIFY IRRIGATION CONSULTANT/DESIGNER OF ANY CHANGES REQUIRED DUE TO CURRENT CODE OR ORDINANCE DISCREPANCIES. IF CONTRACTOR DOES NOT COMPLY TO THIS NOTIFICATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY INSTALLATION CHANGE AND REDESIGN COSTS FOR NON-COMPLIANCE.
- UNLESS OTHERWISE NOTED, THE CONTRACTOR MUST COMPLETE 2 PRESSURE TESTS OF THE IRRIGATION SYSTEM MAINLINE (BOTH TO SHOW NO DROP IN PRESSURE DURING DURATION OF TEST).
 - 2-HOUR PRESSURE TEST AT 1.5 TIMES THE SYSTEM STATIC PRESSURE
 - 24-HOUR PRESSURE TEST AT THE SYSTEM STATIC PRESSURE
- IRRIGATION INSTALLATION CONTRACTOR SHALL PROVIDE OWNER WITH A COLOR-CODED ZONES DIAGRAM PLAN, 8-1/2"X11" LAMINATED SHEET(S), TO IDENTIFY CONTROLLER STATION TO THE CONTROL VALVE NUMBER FOR EACH CONTROLLER. TO BE LOCATED IN ADHESIVE POUCH ATTACHED INSIDE OF CONTROLLER(S).

SPECIAL NOTE:
All valves to be installed 6' away from fencing (outside fields of play).

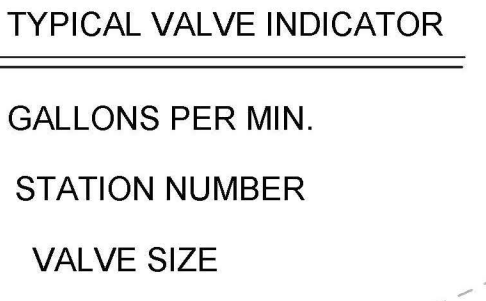


IRRIGATION LEGEND

- IRREGULAR POLYGON
- (2) 2" IRRIGATION WATER METER SYSTEM REQUIRES 190 GPM AT 90 PSI (STATIC PRESSURE MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE SYSTEM REQUIREMENTS AT SITE BEFORE STARTING CONSTRUCTION.
- INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE TO SUBMIT ALL NECESSARY DOCUMENTS TO WATER AUTHORITY FOR IRRIGATION INCLUDING IN BID THE COST OF INSTALLATION AND PURCHASE THE IRRIGATION WATER METER.
- (2) WATTS #909-M1-QT-2", 2" REDUCED PRESSURE ASSEMBLY BACKFLOW PREVENTER. DETAIL-P.
- MANUAL DRAIN VALVE. 2" SCH 80 PVC TRUE UNION BALL VALVE. DETAIL-E.
- WINTERIZATION ASSEMBLY. DETAIL-R.
- RAIN BIRD ESP-LXD WITH (1) 75 STATION EXPANSION MODULE. 125 TOTAL STATIONS, 2-WIRE/DECODER BASED MODULAR CONTROLLER, FOUR PROGRAMS, PLASTIC, WALL MOUNTED. DETAIL-J,L,N. IRRIGATION CONTRACTOR SHALL ALSO INSTALL A WIRELESS RAIN/FREEZE SENSOR FOR CONTROLLER.
- RAIN BIRD 150-EFB-CP-PRS OR 200-EFB-CP-PRS BRASS ELECTRIC REMOTE CONTROL VALVE, 1 1/2" OR 2" SIZE, MOUNTED WITH BRASS FULL PORT BALL VALVE WITH PRESSURE REGULATION DEVICES, MOUNTED WITH RAIN BIRD SINGLE STATION DECODER (FD-101TURF). DETAIL-A.
- RAIN BIRD 100-EFB-CP-PRS BRASS ELECTRIC REMOTE CONTROL VALVE, 1" SIZE, MOUNTED WITH BRASS FULL PORT BALL VALVE WITH PRESSURE REGULATION DEVICES, MOUNTED WITH RAIN BIRD SINGLE STATION DECODER (FD-101TURF). DETAIL-A.
- RAIN BIRD 1806-SAM, 6" POP-UP LAWN SPRAY SPRINKLER, 12" RADIUS, FULL-2.0 GPM, HALF-1.0 GPM, QUARTER-0.5 GPM, 30 PSI. DETAIL-T.
- RAIN BIRD 1806-SAM, 6" POP-UP LAWN SPRAY SPRINKLER, 15" RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, 30 PSI. DETAIL-T.
- RAIN BIRD 1806-SAM, 6" LAWN POP-UP SIDE STRIP SPRAY SPRINKLER, 9' X 18" RADIUS, 1.5 GPM, 30 PSI. DETAIL-T.
- RAIN BIRD 1806-SAM, 6" LAWN SIDE STRIP SPRAY SPRINKLER, 4' X 30" RADIUS, 1.5 GPM, 30 PSI. DETAIL-T.
- RAIN BIRD 1806-SAM, 6" LAWN END STRIP SPRAY SPRINKLER, 4' X 15" RADIUS, 1.0 GPM, 30 PSI. DETAIL-T.
- RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SPRAY SPRINKLER, 15" RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, THREE QUARTER-3.0 GPM, 30 PSI. DETAIL-Q.
- RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SPRAY SPRINKLER, 12" RADIUS, FULL-2.0 GPM, 30 PSI. DETAIL-Q.
- RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SIDE STRIP SPRAY SPRINKLER, 9' X 18" RADIUS, 1.5 GPM, 30 PSI. DETAIL-Q.
- RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SIDE STRIP SPRAY SPRINKLER, 4' X 30" RADIUS, 1.5 GPM, 30 PSI. DETAIL-Q.
- RAIN BIRD 1812-SAM, 12" HI-POP SHRUB END STRIP SPRAY SPRINKLER, 4' X 15" RADIUS, 1.0 GPM, 30 PSI. DETAIL-Q.
- RAIN BIRD FALCON 6504 F4-FC-SS-16, WITH #16 NOZZLE, SPORTS TURF CLOSED CASE ROTOR, FULL CIRCLE ARC. 63" RADIUS @ 15.7 GPM, 60 PSI, RUBBER COVER, STAINLESS STEEL RISER, UTILIZE LASCO 1" UNITIZED SWING JOINTS. DETAIL-B.
- RAIN BIRD FALCON 6504 F4-PC-SS-16, WITH #16 NOZZLE, SPORTS TURF CLOSED CASE ROTOR, PART CIRCLE ARC. 63" RADIUS @ 15.7 GPM, 60 PSI, RUBBER COVER, STAINLESS STEEL RISER, UTILIZE LASCO 1" UNITIZED SWING JOINTS. DETAIL-B.
- RAIN BIRD FALCON 6504 F4-FC-SS-18, WITH #18 NOZZLE, SPORTS TURF CLOSED CASE ROTOR, FULL CIRCLE ARC. 63" RADIUS @ 17.1 GPM, 60 PSI, RUBBER COVER, STAINLESS STEEL RISER, UTILIZE LASCO 1" UNITIZED SWING JOINTS. DETAIL-B.
- RAIN BIRD 5006-SS LAWN ROTOR, 40" RADIUS, FULL-8.0 GPM, HALF-4.0 GPM, QUARTER-2.0 GPM, 45 PSI. DETAIL-S.
- RAIN BIRD 5006-SS LAWN ROTOR, 30" RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, 45 PSI. DETAIL-S.
- HUNTER INDUSTRIES MP ROTATOR SERIES 3000, MOUNTED ON RAIN BIRD 1806-SAM SPRINKLER IN LAWN, 30" RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, 40 PSI. DETAIL-T.
- HUNTER INDUSTRIES MP ROTATOR SERIES 2000, MOUNTED ON RAIN BIRD 1806-SAM SPRINKLER IN LAWN, 20" RADIUS, FULL-2.0 GPM, HALF-1.0 GPM, QUARTER-0.5 GPM, 40 PSI. DETAIL-T.
- HUNTER INDUSTRIES MP ROTATOR SERIES 3000, MOUNTED ON RAIN BIRD 1812-SAM SPRINKLER IN BED AREAS, 30" RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, 40 PSI. DETAIL-Q.
- HUNTER INDUSTRIES MP ROTATOR SERIES 2000, MOUNTED ON RAIN BIRD 1812-SAM SPRINKLER IN BED AREAS, 20" RADIUS, FULL-2.0 GPM, HALF-1.0 GPM, QUARTER-0.5 GPM, 40 PSI. DETAIL-Q.
- RAIN BIRD #5 QUICK COUPLING VALVE 1" SIZE. CONTRACTOR TO SUPPLY TWO QCV KEYS AND MATCHING HOSE SWIVELS. DETAIL-C.
- MAINLINE ISOLATION GATE VALVE, DOMESTIC DUCTILE IRON GASKETED. DETAIL-H.
- AIR VENT VALVE, BERMAID #4420, 2" SIZE. DETAIL-D.
- MAINLINE PIPE: 4" SIZE IF NOT NOTED. CLASS 200 PVC. ALL PIPE 2-1/2" AND LARGER SHALL BE UNIBELL GASKETED PVC PIPE AND HARCO PVC GASKETED FITTINGS. PIPE 4" AND LARGER SHALL UTILIZE HARCO DUCTILE IRON GASKETED FITTINGS. THRUST BLOCK AS PER MANUFACTURER'S RECOMMENDATIONS. PIPE 4" AND LARGER SHALL UTILIZE APPROVED RESTRAINTS WHERE NECESSARY. THRUST BLOCKS AND RESTRAINTS TO BE UTILIZED AS PER MANUFACTURER'S RECOMMENDATIONS FOR PIPE TYPE, PIPE SIZE, AND LOCAL ENVIRONMENTAL CONDITIONS.
- NOTE: 1-1/2" SCH 40 PVC ELECTRICAL CONDUIT FOR CONTROL WIRING WILL BE INSTALLED IN ALL MAINLINE TRENCHLINES.
- LATERAL LINE PIPE: CLASS 200 PVC SOLVENT WELD PIPE UTILIZING SCH 40 PVC SOLVENT WELD FITTINGS. SIZE NOTED.
- IRRIGATION SLEEVE, CLASS 200 PVC PIPE, SIZE NOTED ON PLANS. DETAIL-O.
- 1-1/2" SCH 40 PVC ELECTRICAL CONDUITS (REFER TO PLANS)
- RAIN BIRD LSP-1 TWO-WIRE SURGE ARRESTOR. INSTALLED A MINIMUM OF EVERY 300' OR EVER 6 DECODERS, WHICHEVER IS SHORTER. DETAIL-G.

(2) 2" Irrigation Water Meter. System Requires 190 GPM @ 90 PSI (minimum static pressure). Irrigation Contractor shall Verify Requirements at Site Before Starting Construction. Coordinate with Civil Drawings and at site to determine actual meter location.

Note: Contractor shall verify static pressure at site before starting construction. If static pressure exceeds 100 PSI, Contractor shall install Watts LFUSB-Z3-HP Pressure Reducing/Sustaining Valves (with High Tension Spring for High Pressure) in Carson 1419 Valve Box after backflow preventers.



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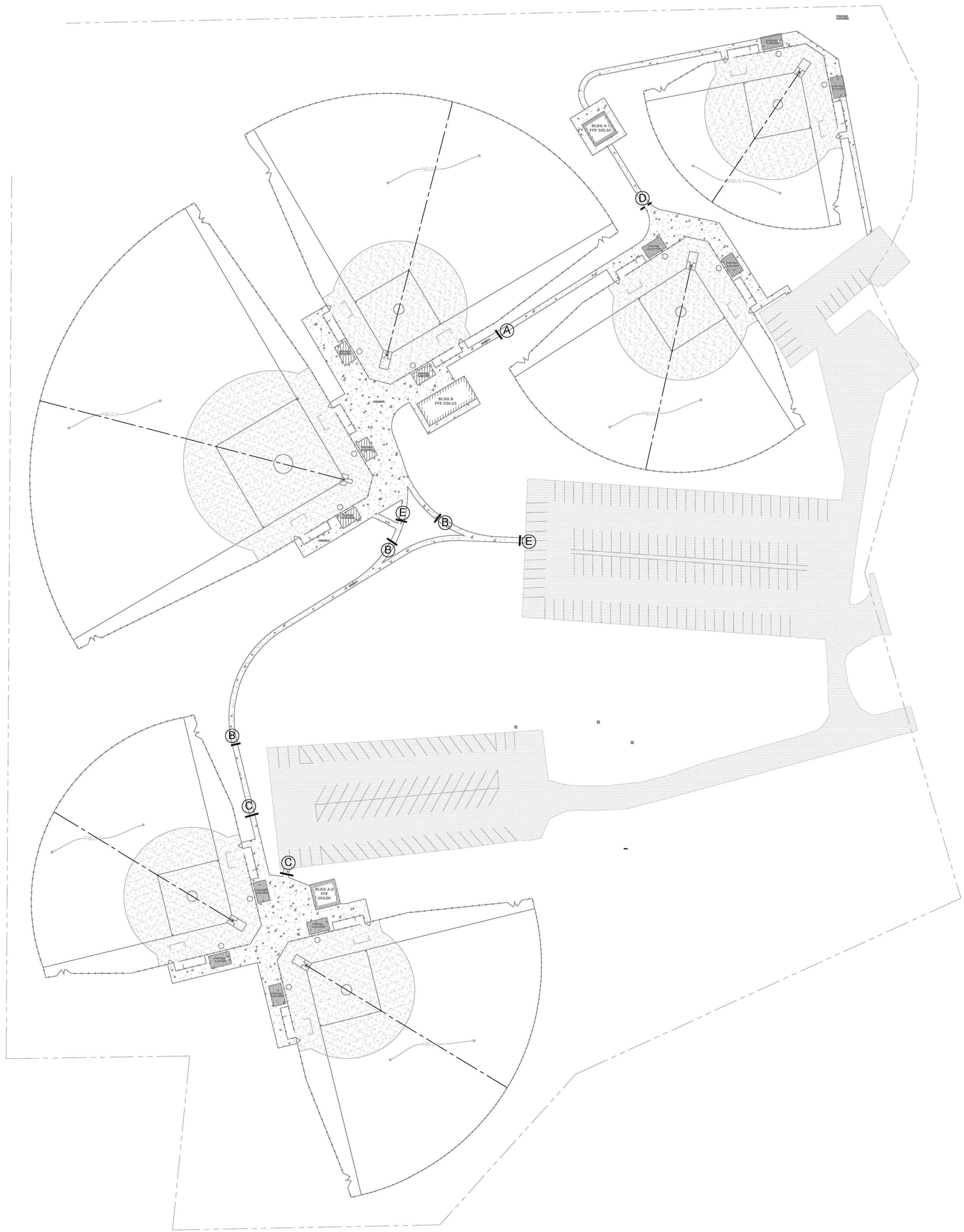
151 N. (47th) 7446-2010
Macon, Georgia 31202
Email: info@widner-associates.com

IRRIGATION PLAN FOR
**BLOOMFIELD PARK
SPORTS COMPLEX RENOVATION**
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160

DATE: 06/22/21
DRAWN BY: ICS
CHECKED BY: WTW
PROJECT #: 9999-012

SHEET 1-1
SCALE: 1" = 60'
APPROV.

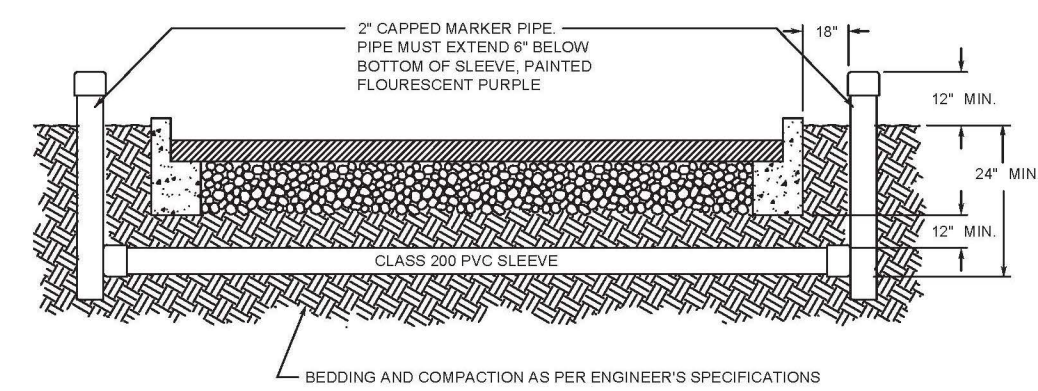
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SLEEVING LEGEND

- (A)** (1) 10" AND (1) 6" CLASS 200 PVC IRRIGATION SLEEVE
- (B)** (1) 10" AND (1) 4" CLASS 200 PVC IRRIGATION SLEEVE
- (C)** (2) 6" CLASS 200 PVC IRRIGATION SLEEVE
- (D)** 6" CLASS 200 PVC IRRIGATION SLEEVE
- (E)** 4" CLASS 200 PVC IRRIGATION SLEEVE

NOTE: INSTALLER OF SLEEVES SHALL BE RESPONSIBLE TO LOCATE SLEEVES IF NOT PROPERLY INSTALLED.



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REVISIONS:
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LEVEL II CERTIFICATION
GSWCC # 24610



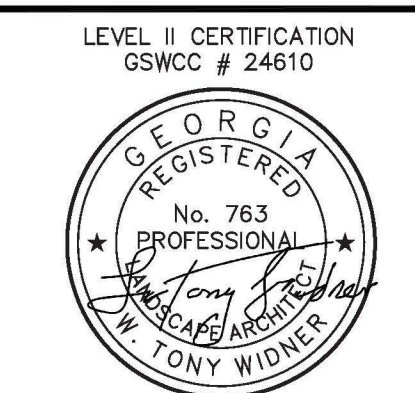
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TEL: (478) 746-2010 FAX: (478) 746-2010
EMAIL: info@widner-associates.com WEBSITE: www.widner-associates.com

IRRIGATION SLEEVING PLAN FOR
BLOOMFIELD PARK SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT 160 4TH LAND DISTRICT

DATE: 06/22/21 SHEET 1-2
DRAWN BY: ICS SCALE: 1" = 60'
CHECKED BY: WTW APPROV. _____
PROJECT #: 9999-012





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 EMAIL: widner@wasecc.com website: www.widner-wasecc.com

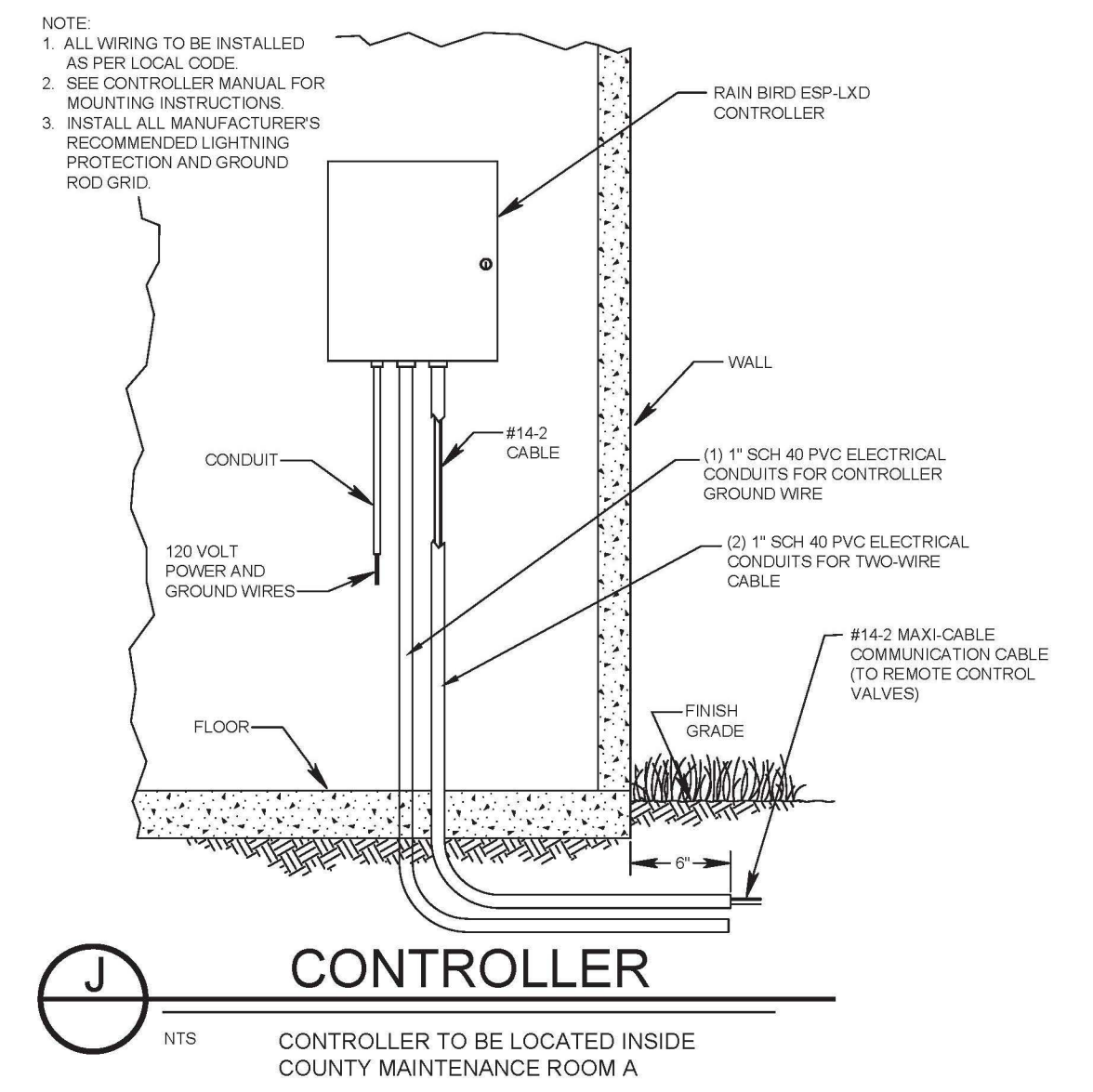
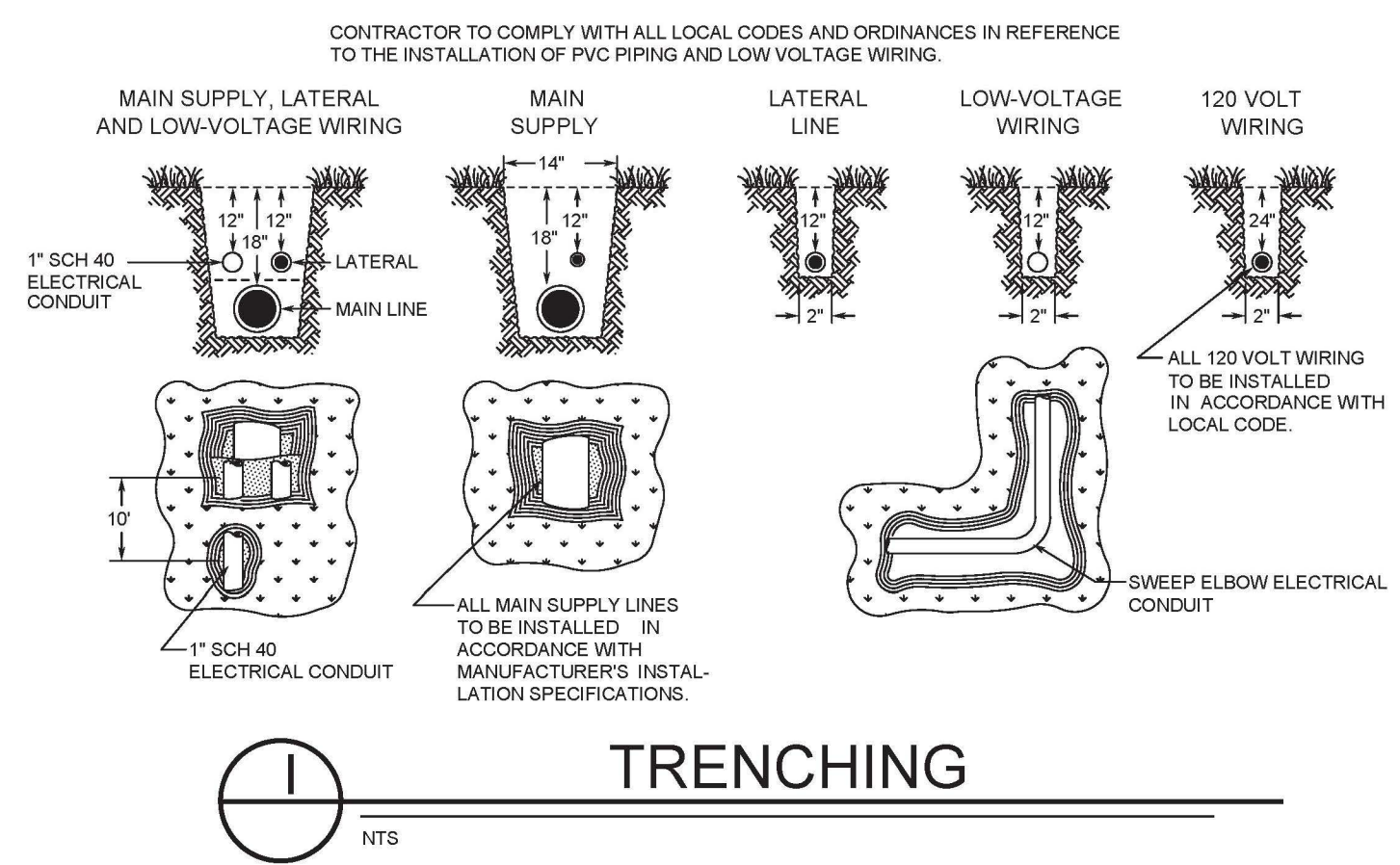
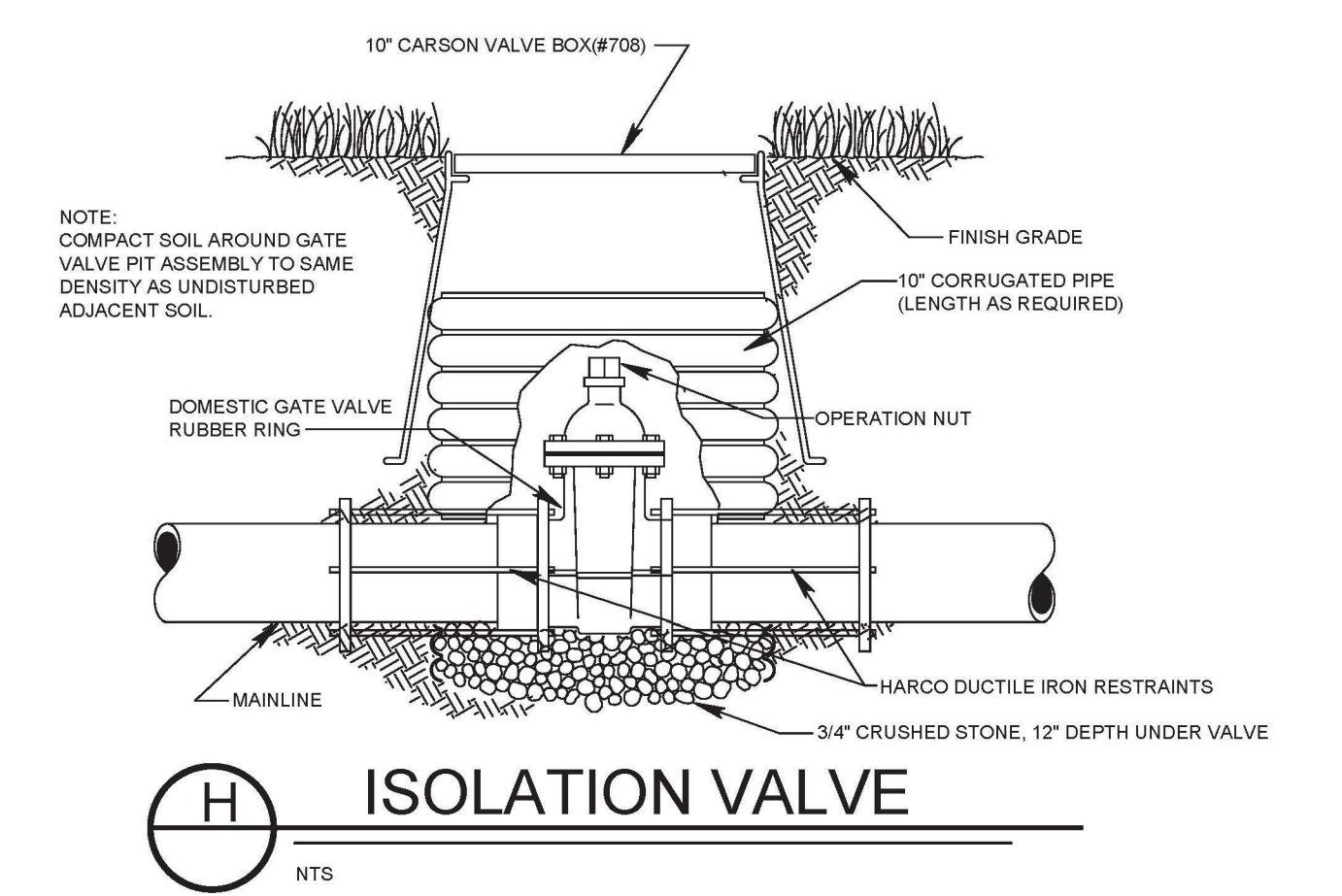
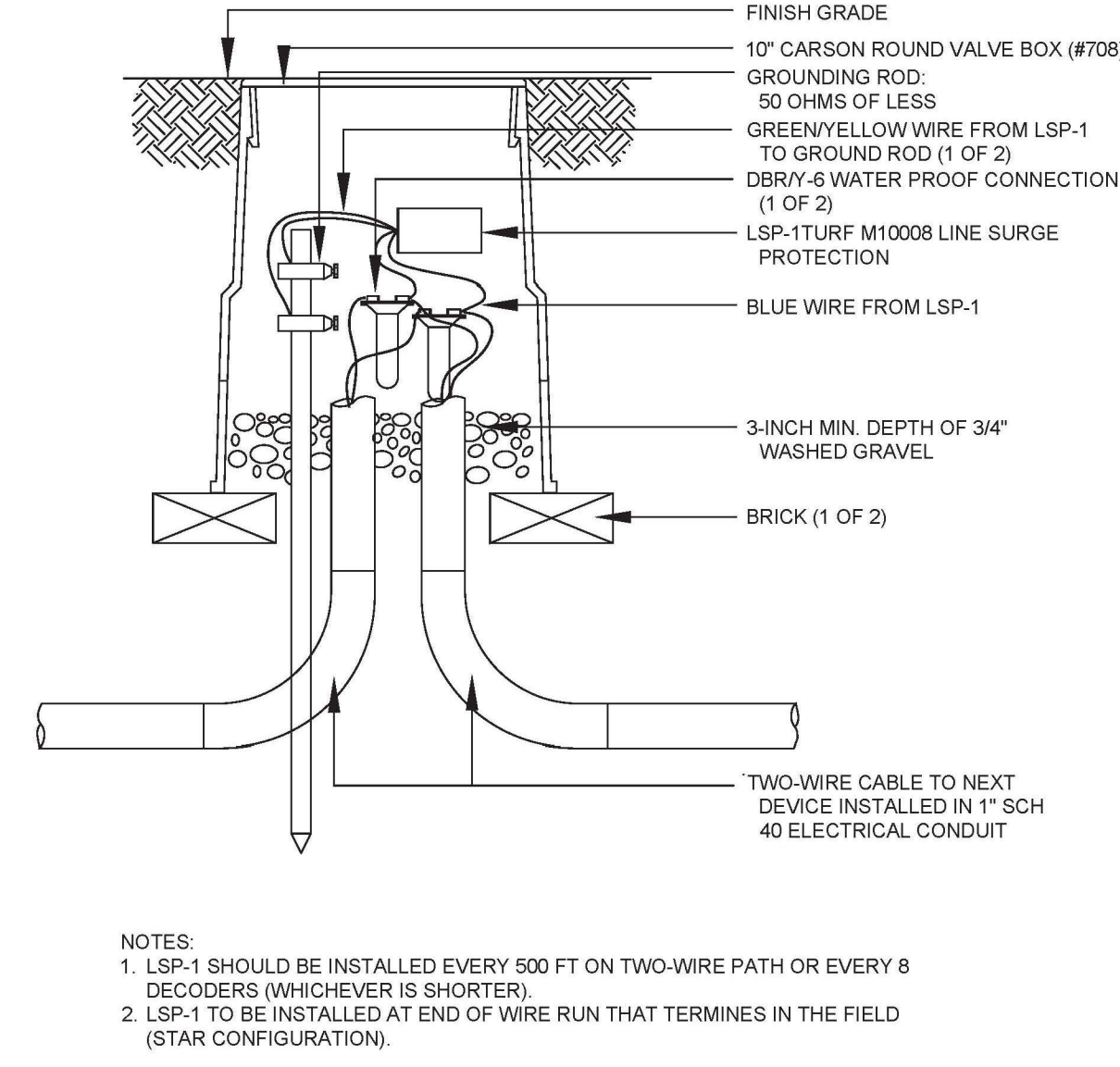
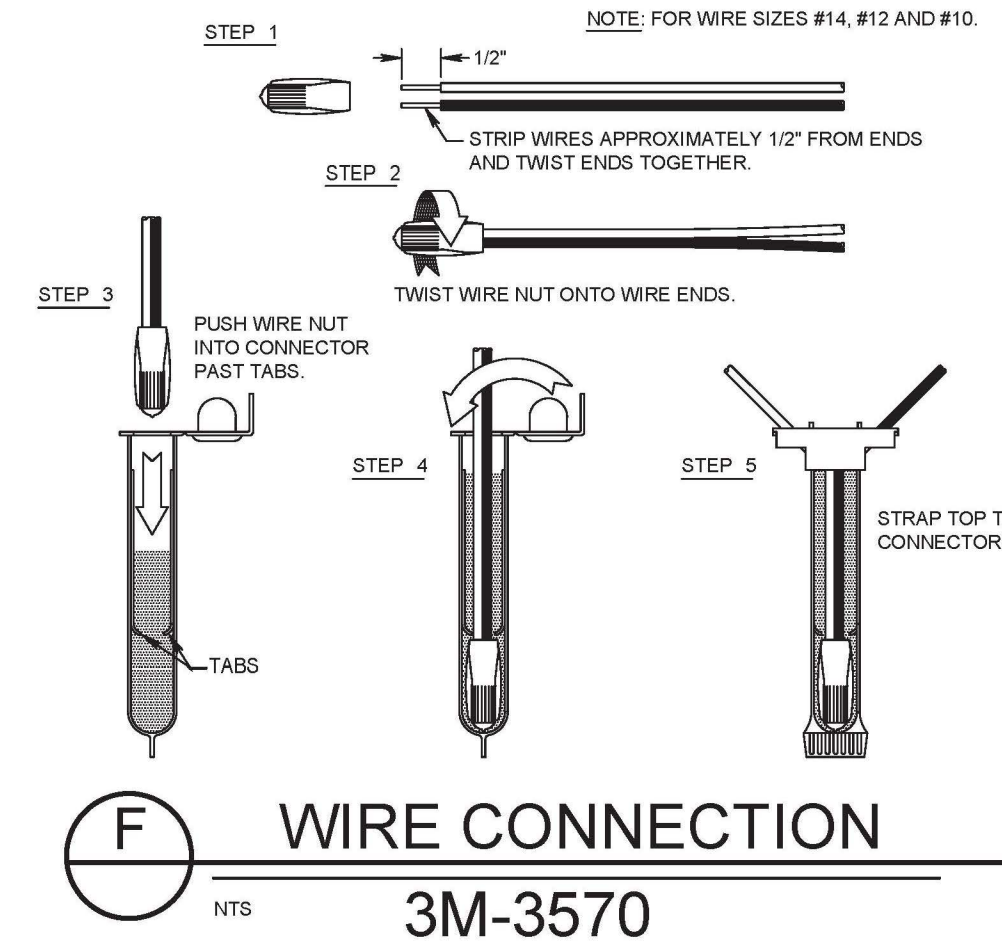
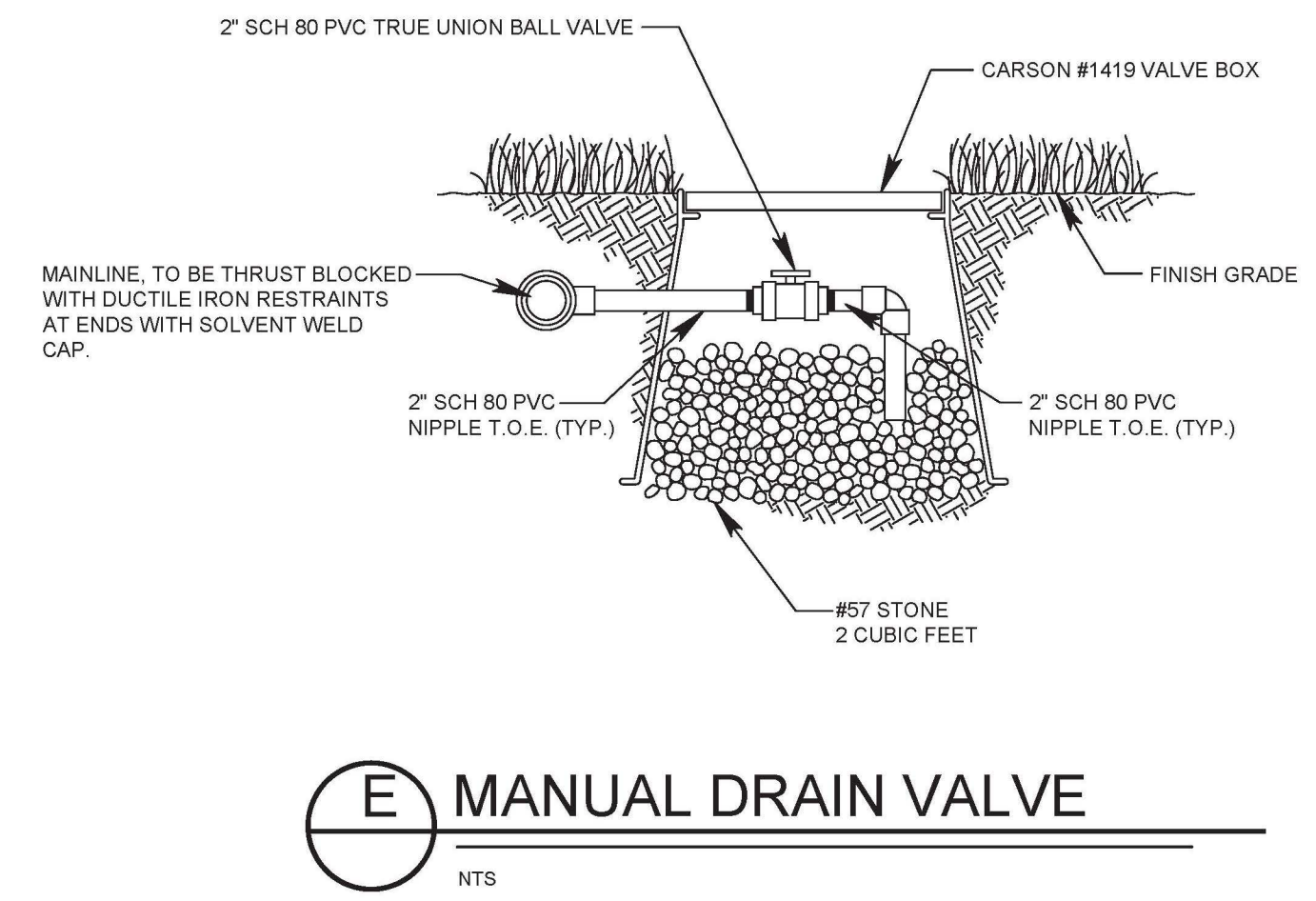
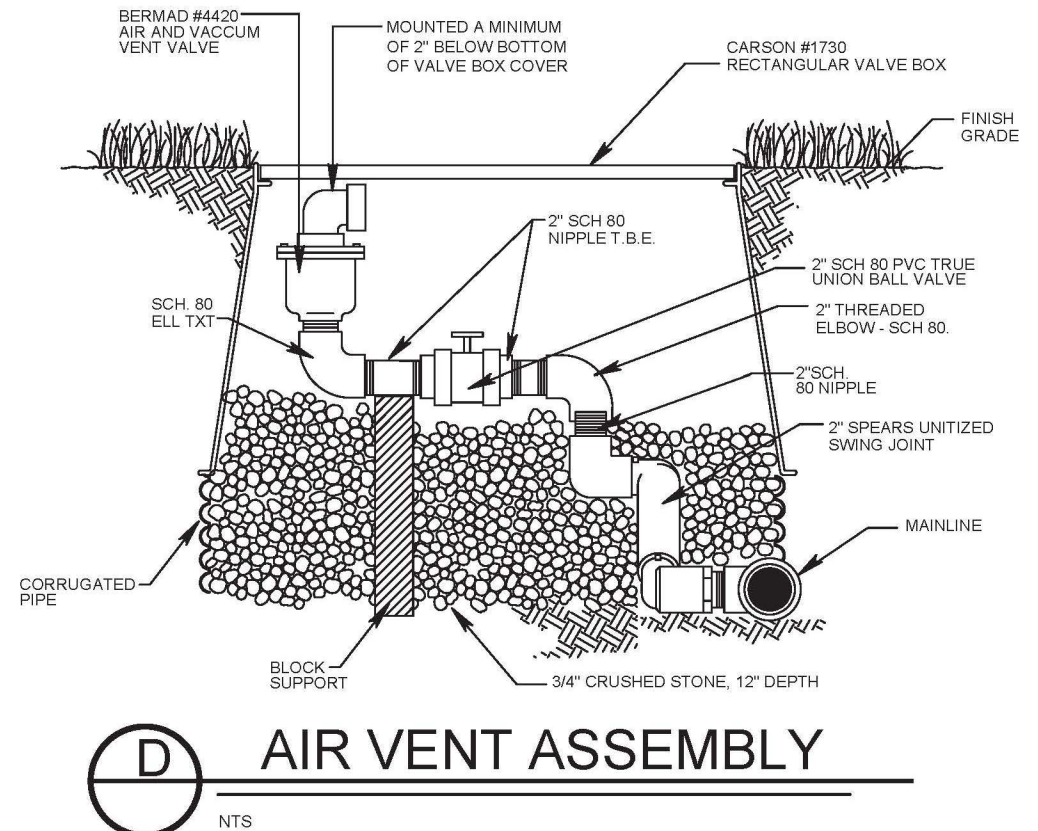
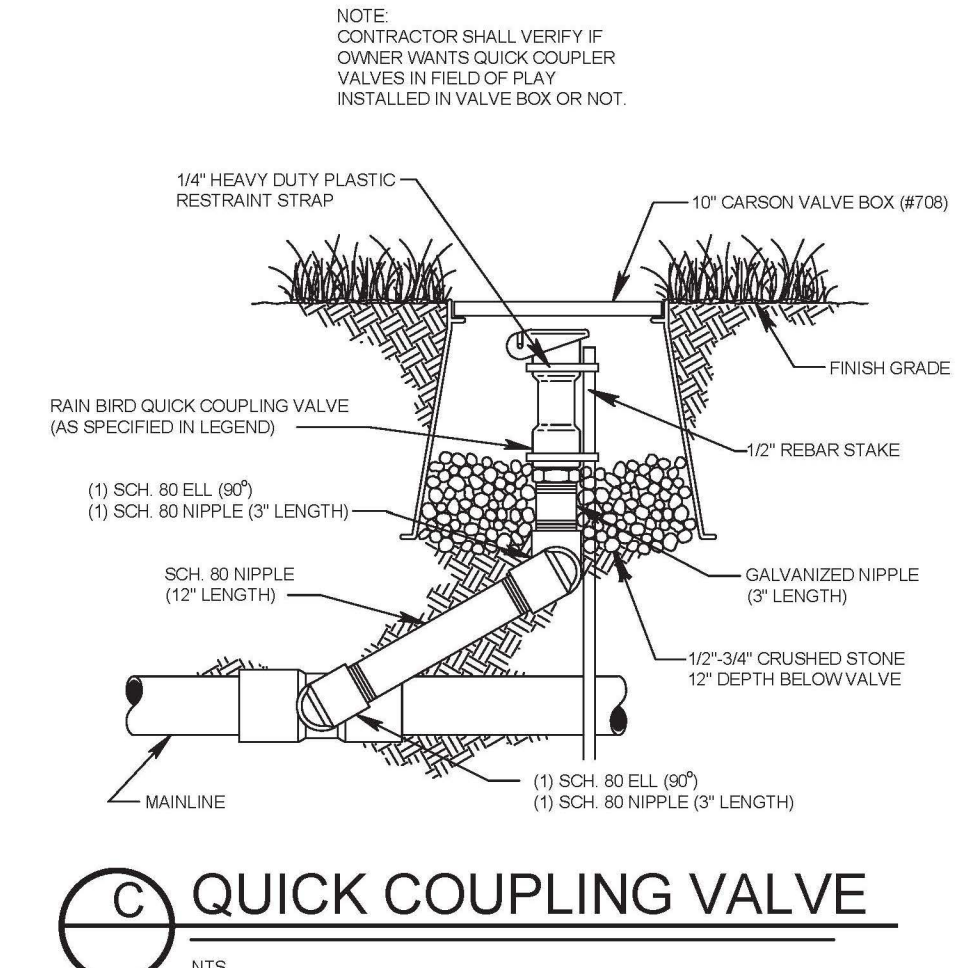
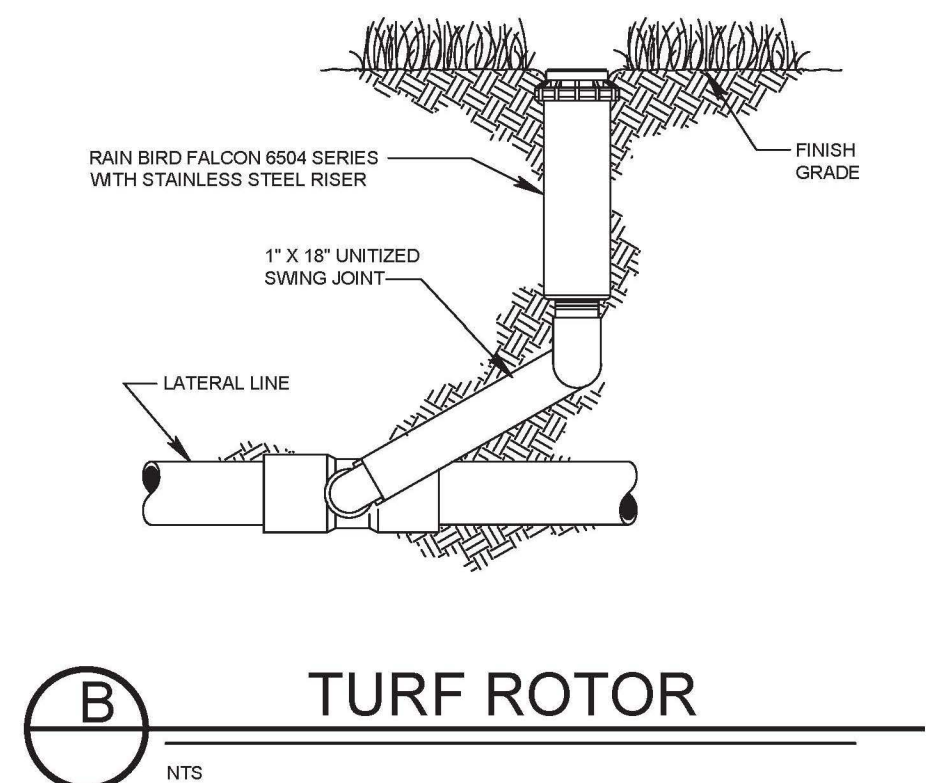
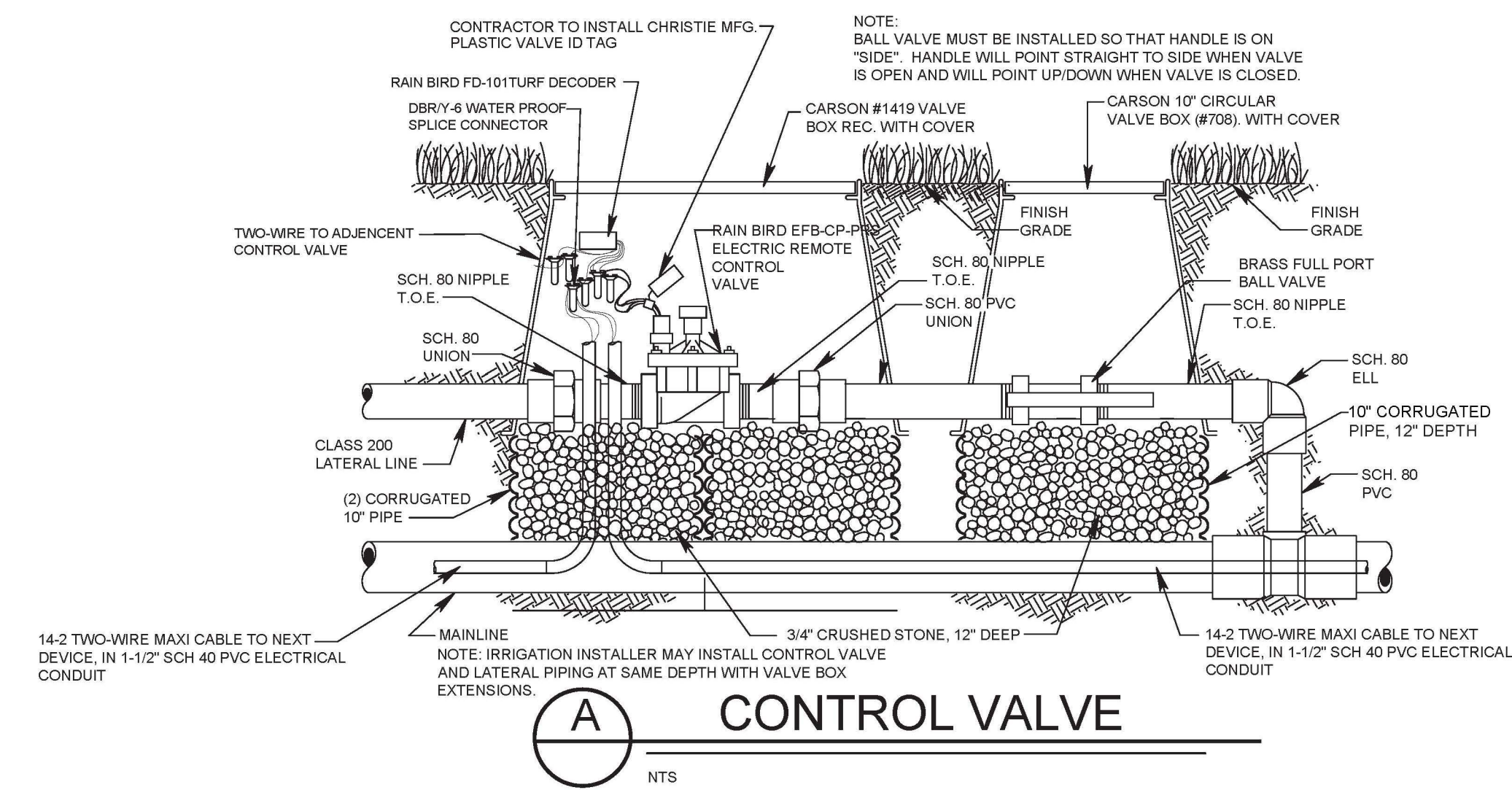
IRRIGATION DETAILS
BLOOMFIELD PARK SPORTS COMPLEX RENOVATION
 MACON, BIBB COUNTY, GEORGIA
 LAND LOT ??

DATE: 06/22/21
 DRAWN BY: ICS
 CHECKED BY: WTW
 PROJECT #: 9999-012

SHEET 1-3
 SCALE: NTS
 APPROV.

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NOTES:
 1. INSTALL 3/8" COIL OF EACH SET OF WIRES INSIDE EACH VALVE BOX.
 2. ALL ELECTRICAL CONDUITS SHALL BE SEALED WITH FOAM SEALANT.



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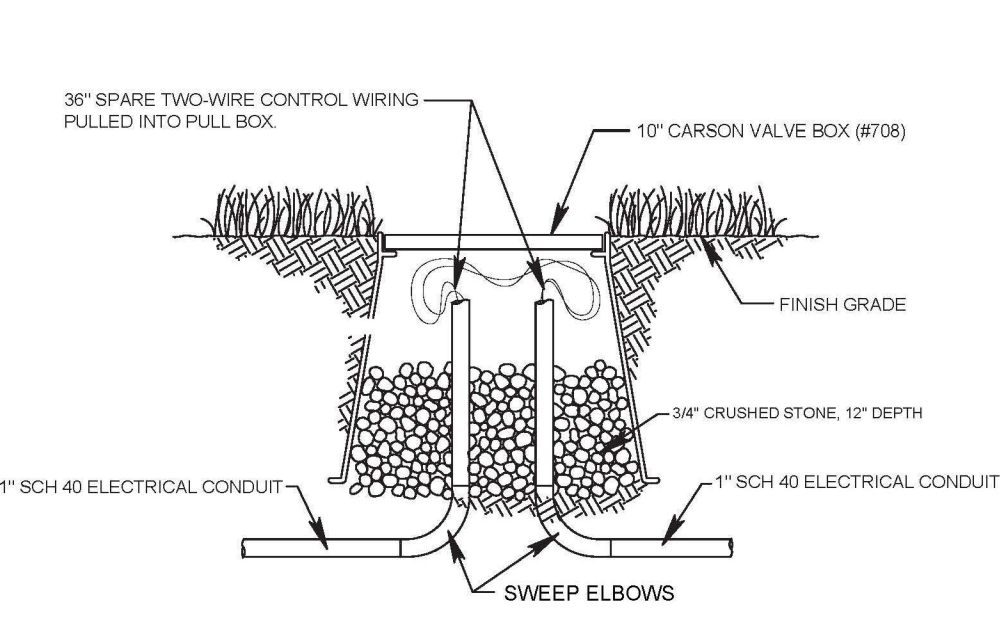
P.O. BOX 459 MACON, GEORGIA 31202
TEL. # (478) 746-2010 FAX # (478) 746-2010
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IRRIGATION DETAILS
BLOOMFIELD PARK SPORTS COMPLEX RENOVATION
MACON, BIBB COUNTY, GEORGIA
LAND LOT ??

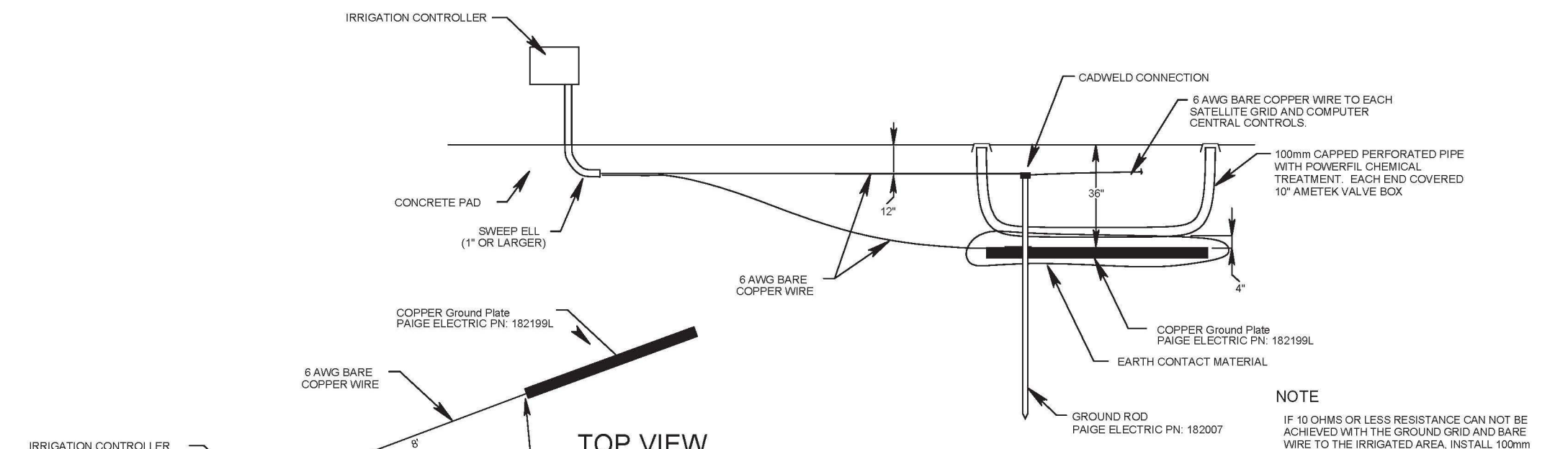
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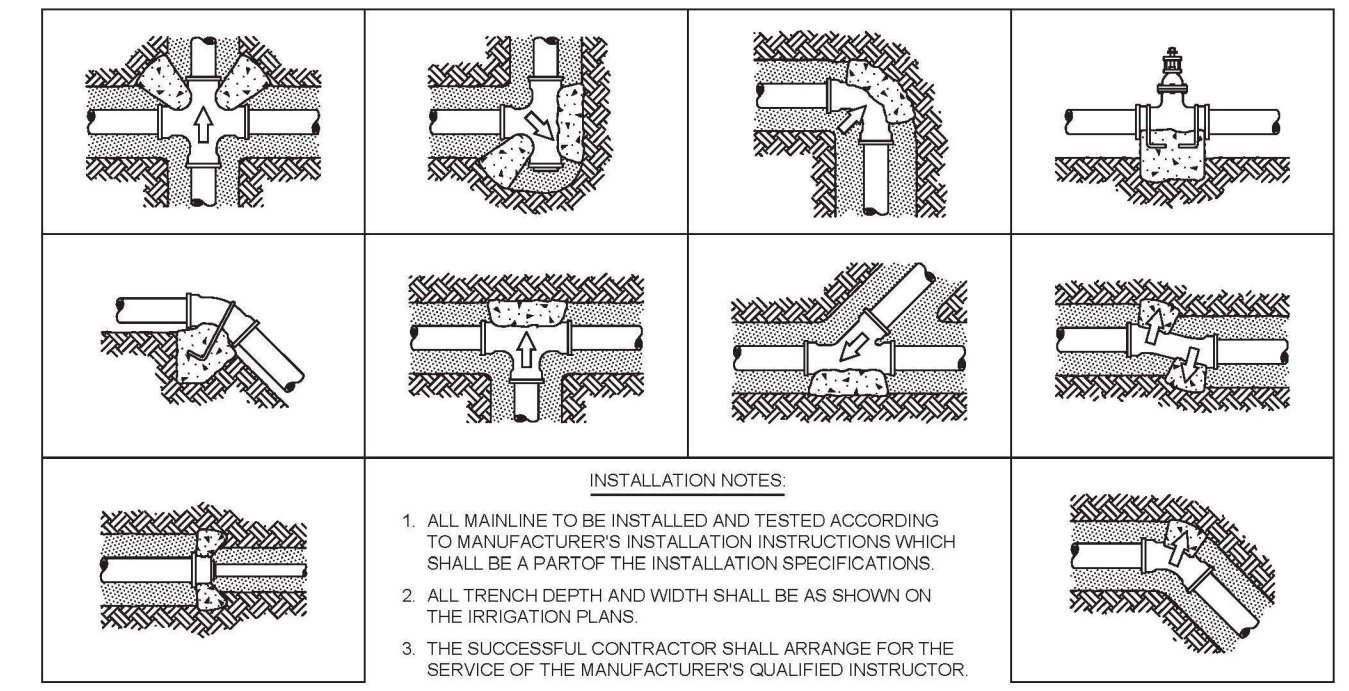
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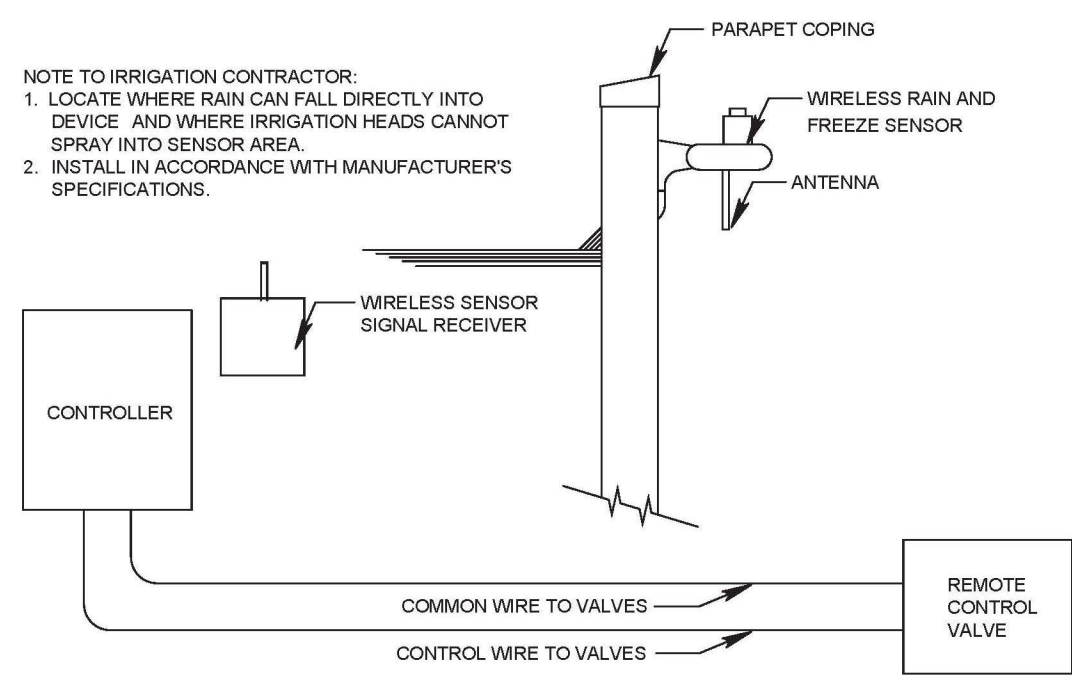
K ELECTRICAL PULL BOX
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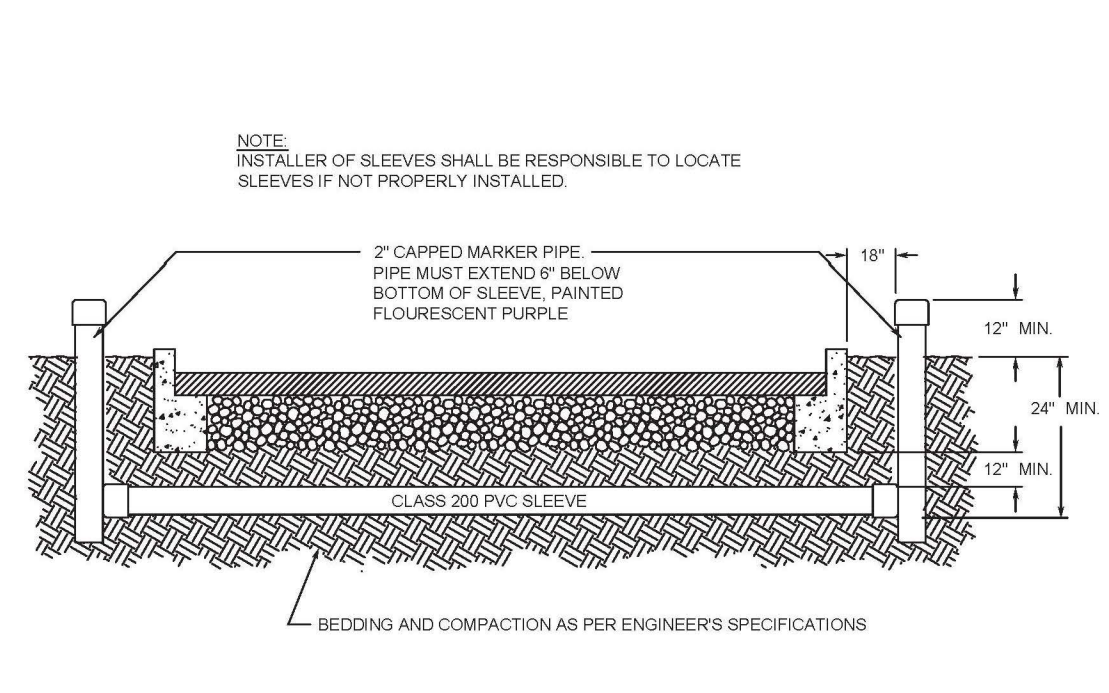
L CONTROLLER GROUNDING
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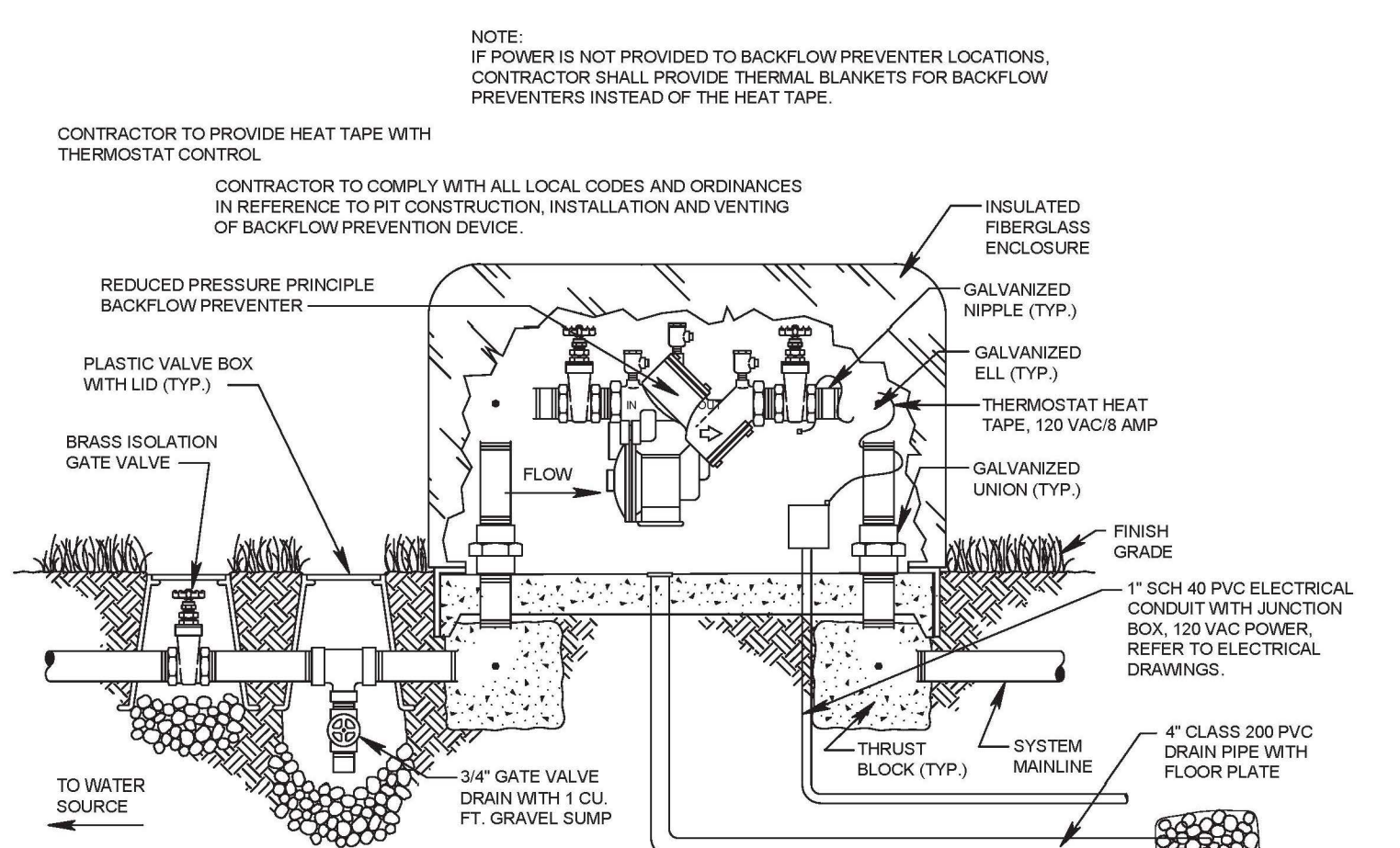
M THRUST BLOCK
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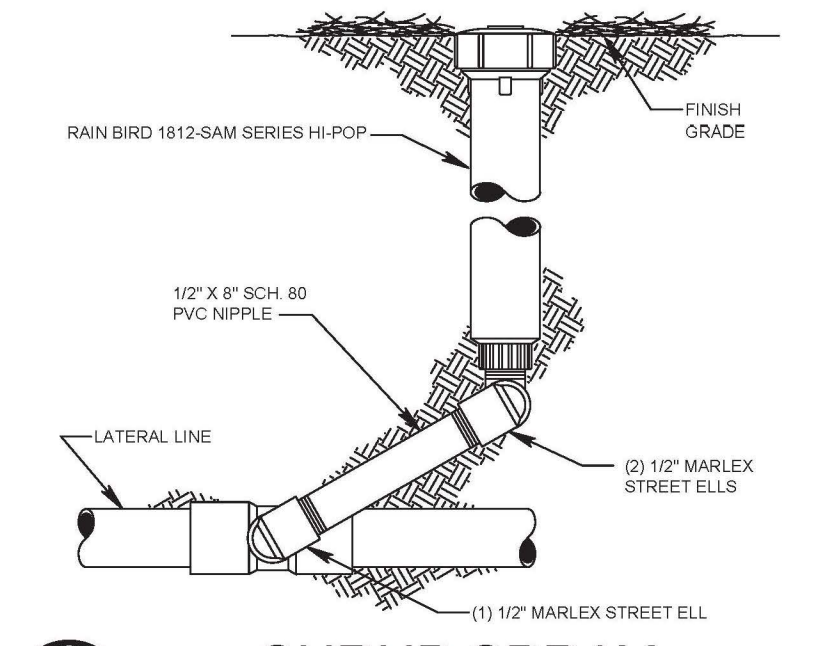
N RAIN SENSOR
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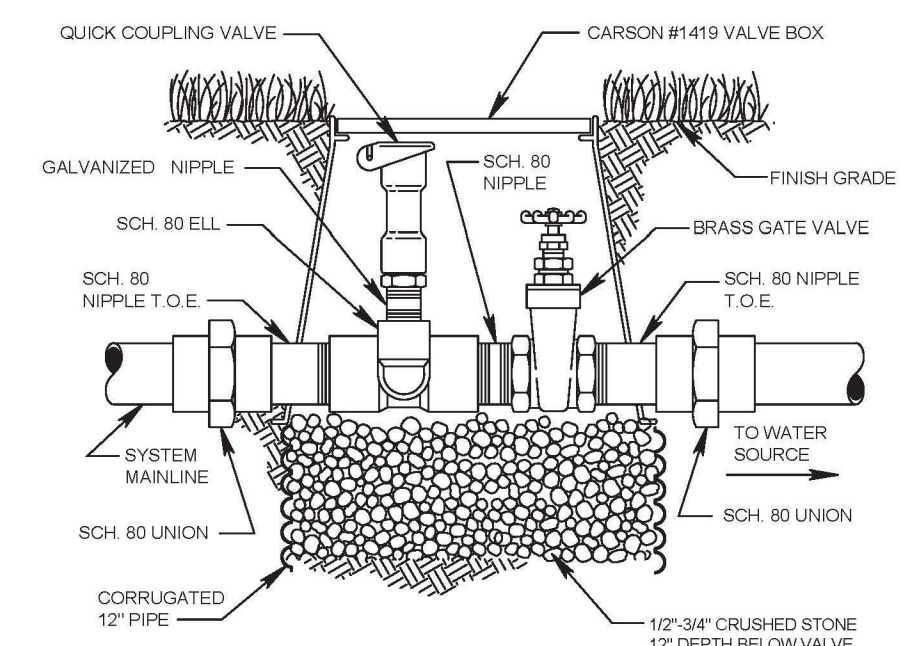
O SLEEVING
NTS



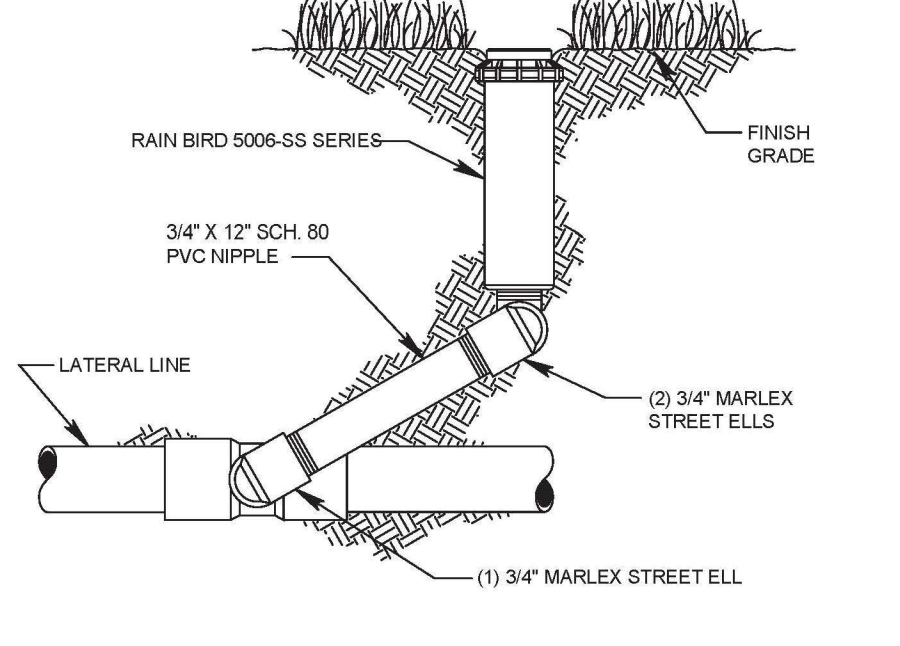
P RPA BACKFLOW DEVICE
NTS
* IRRIGATION CONTRACTOR SHALL SUBMIT BACKFLOW DETAIL TO LOCAL AUTHORITIES FOR APPROVAL BEFORE STARTING CONSTRUCTION.



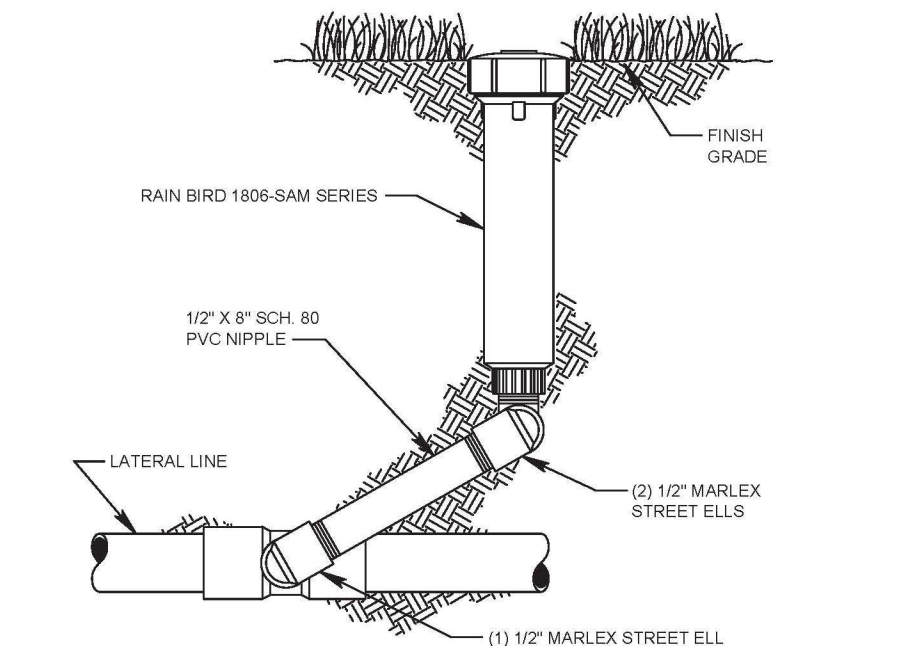
Q SHRUB SPRAY
NTS



R WINTERIZATION ASSEMBLY
NTS



S LAWN ROTOR
NTS



T LAWN SPRAY
NTS

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