

SITE DEVELOPMENT PLANS FOR



MACON-BIBB PARKS AND RECREATION CENTRAL CITY PARK SOFTBALL FIELD #7 150 WILLIE SMOKIE GLOVER DRIVE

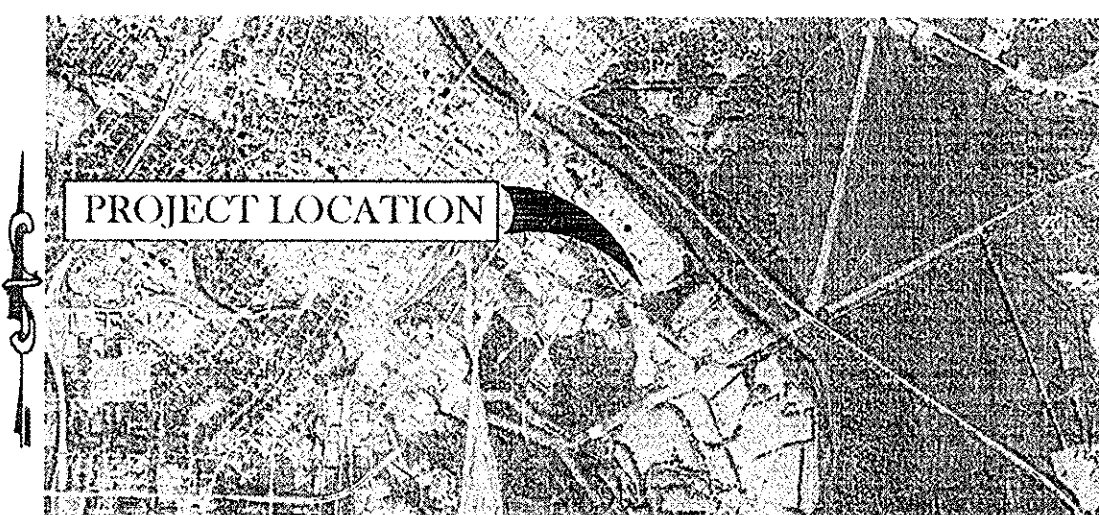
09/26/2025

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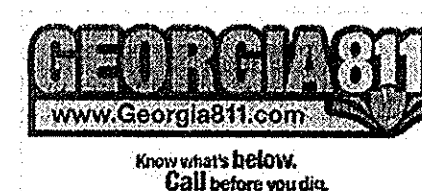
MWA NOTE:

The operation and maintenance of the stormwater management facilities and associated conveyance structures/practices (i.e. detention ponds, pipes not within the 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.



Parcel ID - ST89-0027
GPS LOCATION: 32.827939, -83.611513

VICINITY MAP
N.T.S.



NARRATIVE

This will be a renovation of the Central City Park Softball Complex - Field #7. This work will encompass the installation of new grass turf fields, improvements to the drainage of the fields, fencing, dugouts, bleachers, irrigation system, and pedestrian circulation enhancements. The disturbed project area is 2.90 acres.

24 HR. CONTACT:
MR. ROBERT WALKER, DIRECTOR OF
MACON-BIBB RECREATION DEPARTMENT
150 WILLIE SMOKIE 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



DATE SIGNED: September 27, 2025

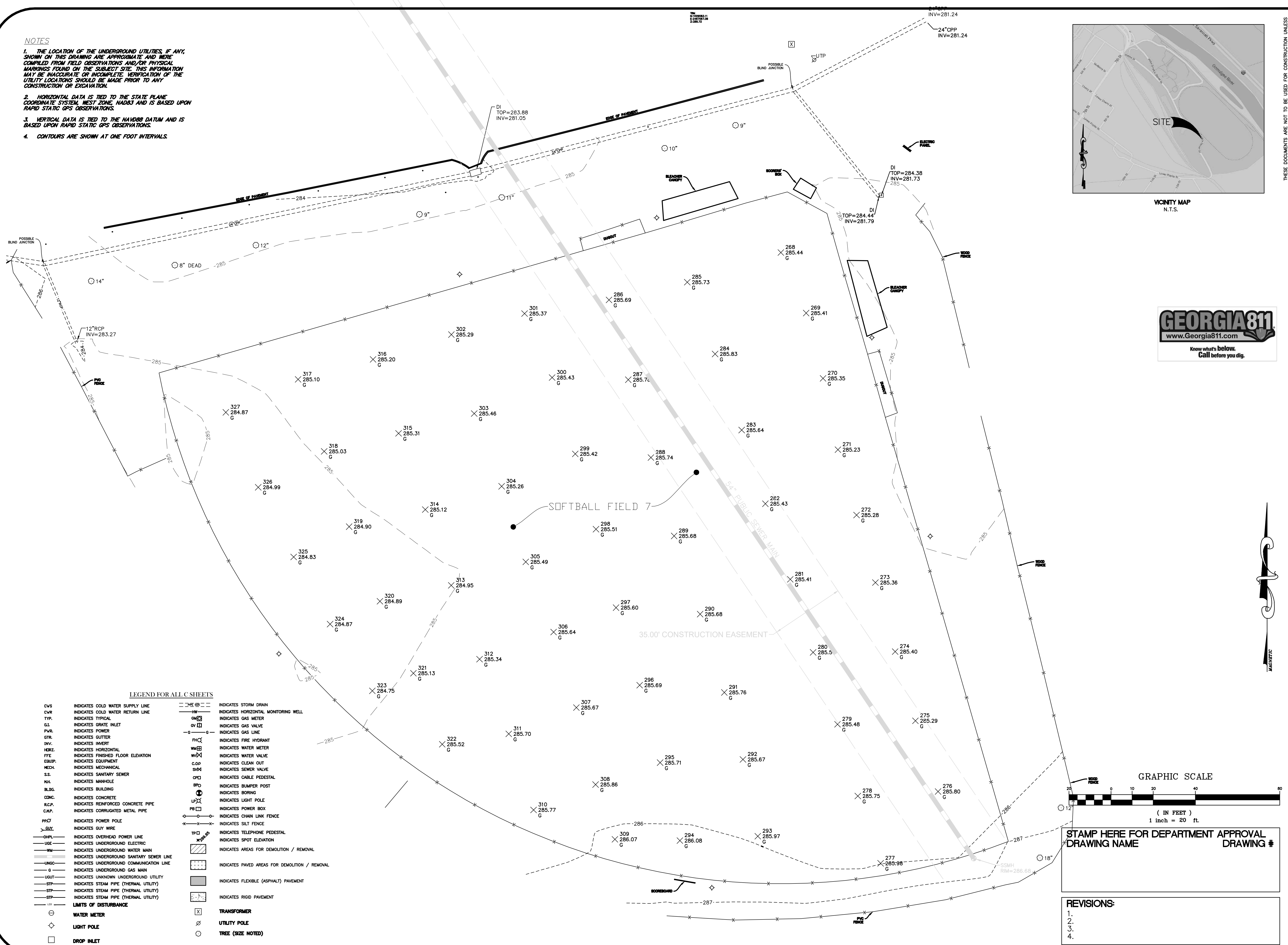


**Widner &
Associates, Inc.**

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

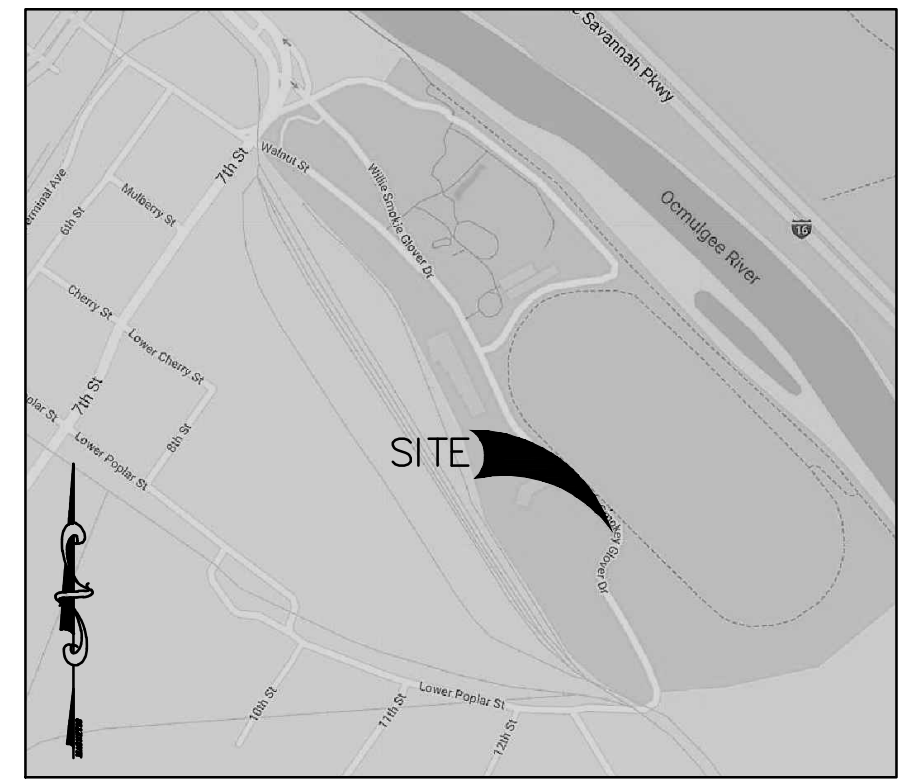
NOTES

1. THE LOCATION OF THE UNDERGROUND UTILITIES, IF ANY, SHOWN ON THIS DRAWING ARE APPROXIMATE AND WERE COMPILED FROM FIELD OBSERVATIONS AND/OR PHYSICAL MARKINGS FOUND ON THE SUBJECT SITE. THIS INFORMATION MAY BE INACCURATE OR INCOMPLETE. VERIFICATION OF THE UTILITY LOCATIONS SHOULD BE MADE PRIOR TO ANY CONSTRUCTION OR EXCAVATION.
2. HORIZONTAL DATA IS TIED TO THE STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AND IS BASED UPON RAPID STATIC GPS OBSERVATIONS.
3. VERTICAL DATA IS TIED TO THE NAVD83 DATUM AND IS BASED UPON RAPID STATIC GPS OBSERVATIONS.
4. CONTOURS ARE SHOWN AT ONE FOOT INTERVALS.

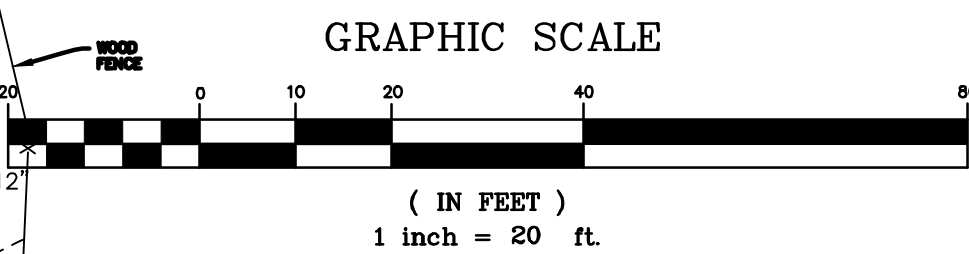


LEGEND FOR ALL C SHEETS

CWS	INDICATES COLD WATER SUPPLY LINE	---	INDICATES STORM DRAIN
CWR	INDICATES COLD WATER RETURN LINE	---	INDICATES HORIZONTAL MONITORING WELL
TYP	INDICATES TYPICAL	---	INDICATES GAS METER
GL	INDICATES GRATE INLET	---	INDICATES GAS VALVE
PWR	INDICATES POWER	---	INDICATES GAS LINE
GTR	INDICATES GUTTER	---	INDICATES FIRE HYDRANT
INV	INDICATES INVERT	---	INDICATES WATER METER
HORIZ	INDICATES HORIZONTAL	---	INDICATES WATER VALVE
FFE	INDICATES FINISHED FLOOR ELEVATION	---	INDICATES CLEAN OUT
EQUIP	INDICATES EQUIPMENT	---	INDICATES SEWER VALVE
MECH	INDICATES MECHANICAL	---	INDICATES CABLE PEDESTAL
S.S.	INDICATES SANITARY SEWER	---	INDICATES BUMPER POST
MW	INDICATES MANHOLE	---	INDICATES BORING
BLDG	INDICATES BUILDING	---	INDICATES LIGHT POLE
CONC	INDICATES CONCRETE	---	INDICATES POWER BOX
R.C.P.	INDICATES REINFORCED CONCRETE PIPE	---	INDICATES CHAIN LINK FENCE
C.M.P.	INDICATES CORRUGATED METAL PIPE	---	INDICATES SILT FENCE
PPCT	INDICATES POWER POLE	---	INDICATES TELEPHONE PEDESTAL
---	INDICATES GUY WIRE	---	INDICATES SPOT ELEVATION
---	INDICATES OVERHEAD POWER LINE	---	INDICATES AREAS FOR DEMOLITION / REMOVAL
---	INDICATES UNDERGROUND ELECTRIC	---	INDICATES PAVED AREAS FOR DEMOLITION / REMOVAL
---	INDICATES UNDERGROUND WATER MAIN	---	INDICATES FLEXIBLE (ASPHALT) PAVEMENT
---	INDICATES UNDERGROUND SANITARY SEWER LINE	---	INDICATES RIGID PAVEMENT
---	INDICATES UNDERGROUND COMMUNICATION LINE	---	INDICATES TRANSFORMER
---	INDICATES UNDERGROUND GAS MAIN	---	INDICATES UTILITY POLE
---	INDICATES UNKNOWN UNDERGROUND UTILITY	---	INDICATES TREE (SIZE NOTED)
---	INDICATES STEAM PIPE (THERMAL UTILITY)	---	
---	INDICATES STEAM PIPE (THERMAL UTILITY)	---	
---	INDICATES STEAM PIPE (THERMAL UTILITY)	---	
---	LIMITS OF DISTURBANCE	---	
---	WATER METER	---	
---	LIGHT POLE	---	
---	DROP INLET	---	



VICINITY MAP
N.T.S.



STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME
DRAWING #

REVISIONS:

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

Widner & Associates, Inc.

EXISTING CONDITIONS PLAN FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A

DATE:
09/26/2025
DRAWN BY:
MTW
CHECKED BY:
WTW
PROJECT #
9999-013

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

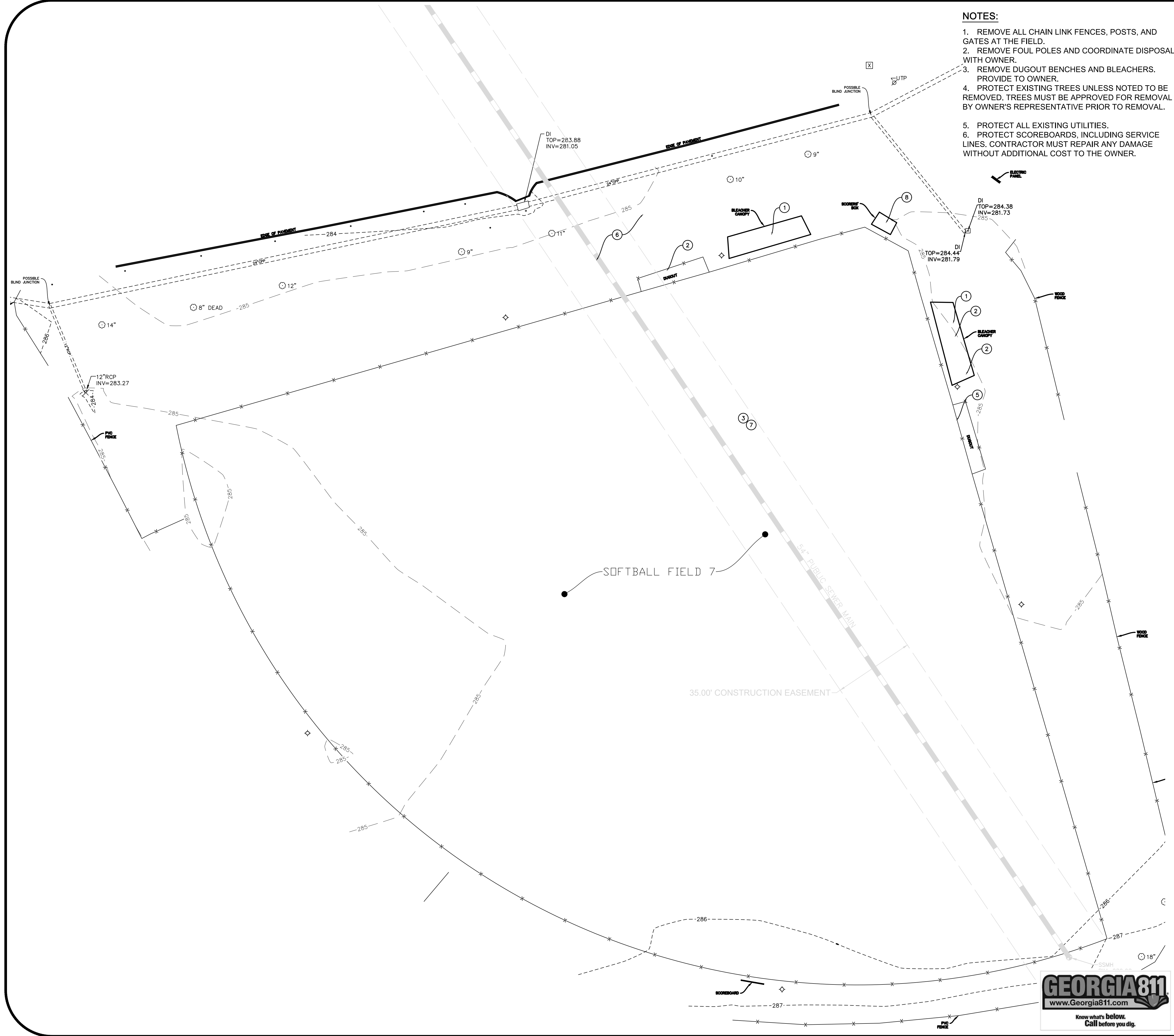


LEVEL II CERTIFICATION
GSWCC # 97461

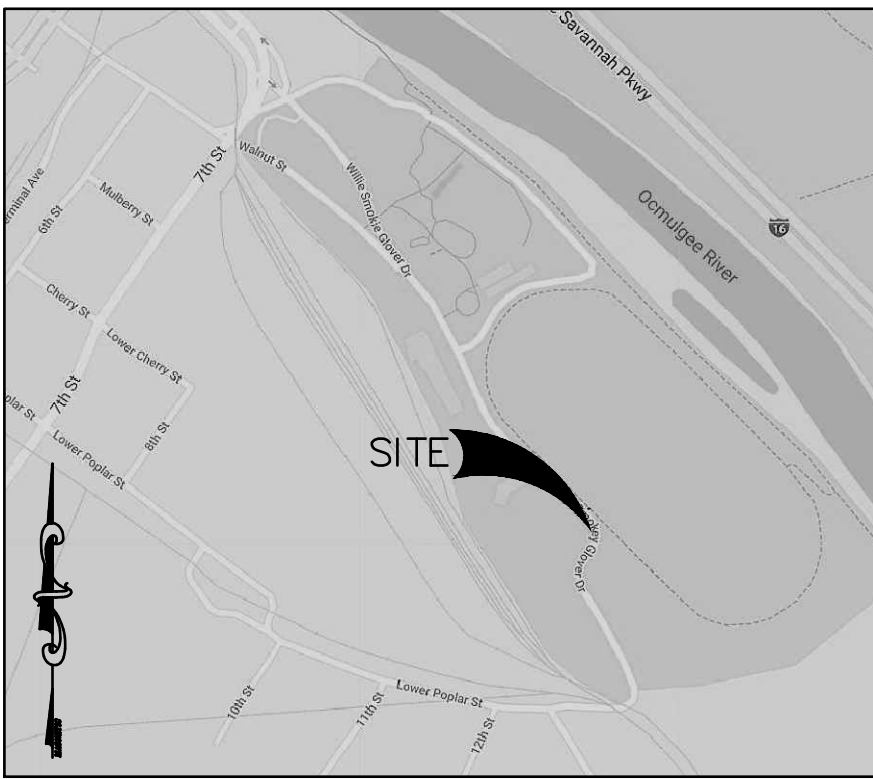


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- NOTES:**
1. REMOVE ALL CHAIN LINK FENCES, POSTS, AND GATES AT THE FIELD.
 2. REMOVE FOUL POLES AND COORDINATE DISPOSAL WITH OWNER.
 3. REMOVE DUGOUT BENCHES AND BLEACHERS. PROVIDE TO OWNER.
 4. PROTECT EXISTING TREES UNLESS NOTED TO BE REMOVED. TREES MUST BE APPROVED FOR REMOVAL BY OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.
 5. PROTECT ALL EXISTING UTILITIES.
 6. PROTECT SCOREBOARDS, INCLUDING SERVICE LINES. CONTRACTOR MUST REPAIR ANY DAMAGE WITHOUT ADDITIONAL COST TO THE OWNER.



- 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 SOFTBALL FIELDS AND EXCAVATE FIELDS TO A MINIMUM DEPTH OF 4 INCHES.
 - 4 SAW CUT, REMOVE AND DISPOSE OF EXISTING PAVING IN AREAS INDICATED FOR NEW WORK
 - 5 REMOVE ALL FENCING, GATES, POSTS AND POST FOOTINGS WITHIN THE AREA OF WORK
 - 6 REMOVE TREES, SHRUBS, AND UNUSED CONDUIT FROM WORK AREAS
 - 7 REMOVE AND CAP EXISTING IRRIGATION SYSTEM FROM FIELD
 - 8 REMOVE AND DISCARD SCORER'S BOX.

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	FW
PROPOSED WATER VALVE	WV
PROPOSED WATER METER	WM
PROPOSED STORM W/INLETS & HEADWALL	CB, DWCB, SWCB, HW

GRAPHIC SCALE

20 0 10 20 40 60 80

(IN FEET)

1 inch = 20 ft.

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DRAWING NAME _____ DRAWING # _____

REVISIONS:

1.	
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DEMOLITION PLAN FOR

CENTRAL CITY - SOFTBALL FIELD 7

150 WILLIE SMOKIE GLOVER DRIVE

MACON, BIBB COUNTY, GEORGIA

LAND LOT (S) N/A

Widner & Associates, Inc.

P.O. BOX 102 MACON, GEORGIA 31202

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



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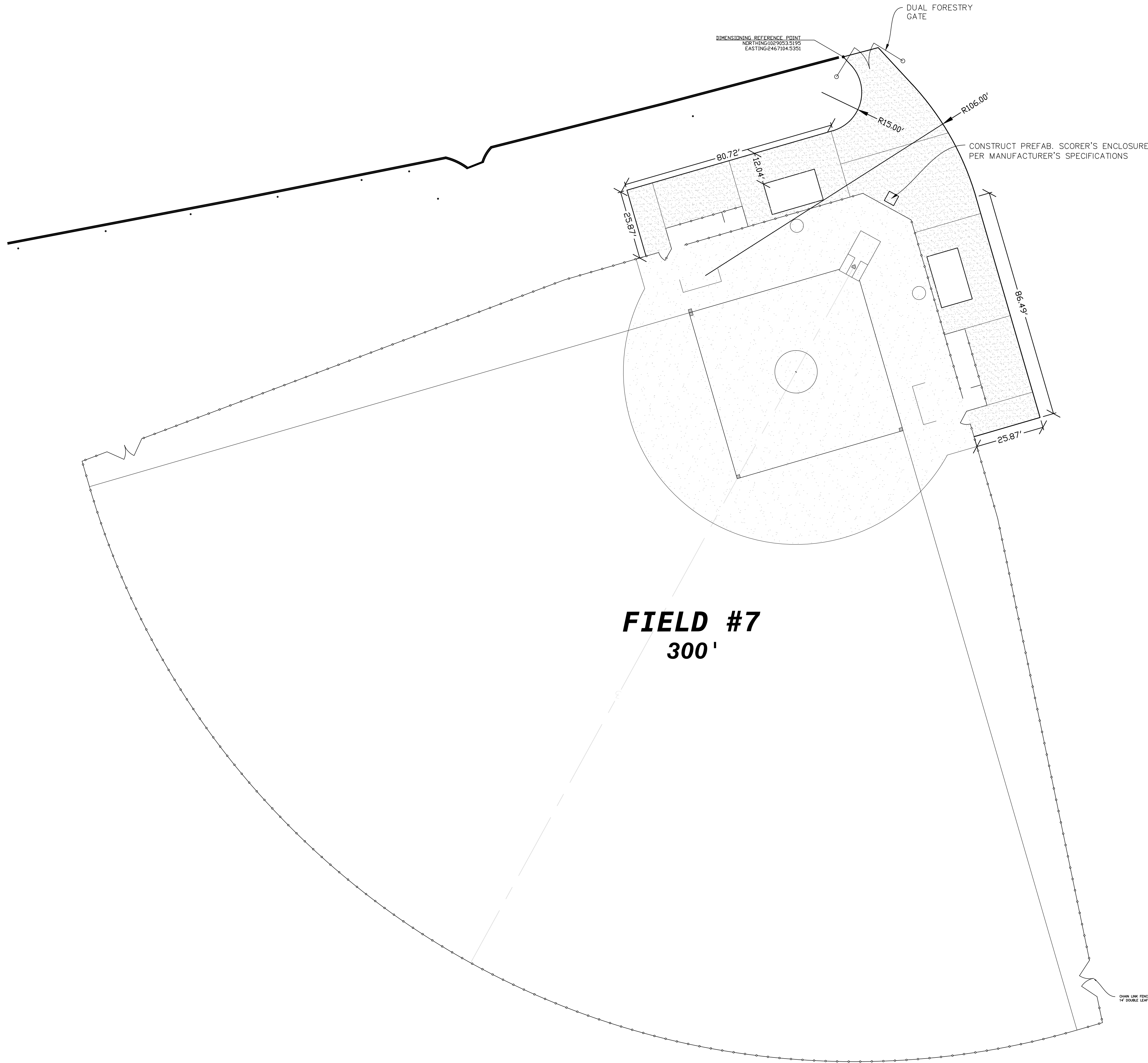
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PROJECT #: 9999-013

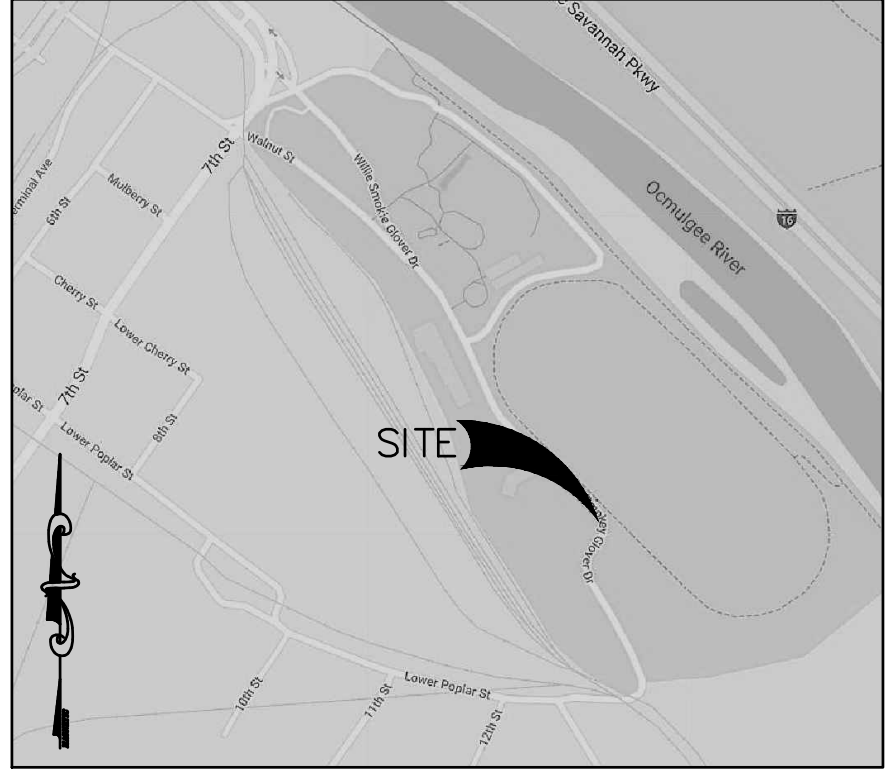
SHEET C-2

SCALE: 1" = 20'

APPROV. _____



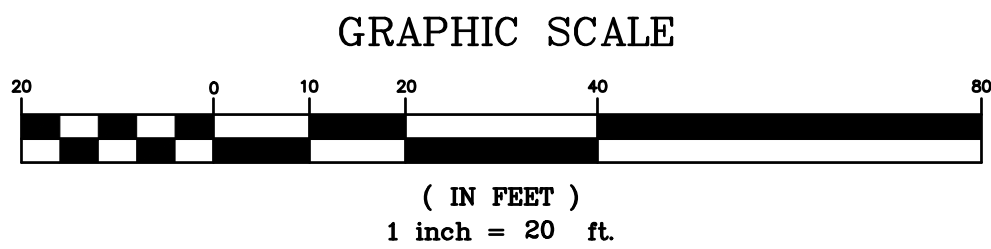
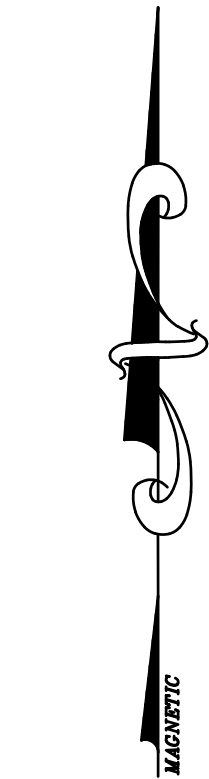
FIELD #7
300'



VICINITY MAP
N.T.S.

LEGEND

PROPERTY LINE	— IPF —
IRON PIN FOUND	— 100 —
EXISTING CONTOUR	— 100 —
PROPOSED CONTOUR	— 100 —
UTILITY POLE W/GUY WIRE	PP — 4 —
LIGHT POLE	LP —
TELEPHONE/SERVICE POLE	TP/SP —
OVERHEAD POWER	— OHP —
UNDERGROUND TELEPHONE	— UGT —
WATER LINE	— W —
SANITARY SEWER	— SS —
FENCE	— X — X —
STREAM OR CREEK	— — — — —
PROPOSED SANITARY SEWER W/MANHOLE	— FH —
WATER W/FIRE HYDRANT	— FH —
PROPOSED WATER VALVE	— X —
PROPOSED WATER METER	— CB —
PROPOSED STORM W/INLETS & HEADWALL	— DWCB — SWCB — HW —



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DATE:	09/26/2025
DRAWN BY:	MTW
CHECKED BY:	WTW
PROJECT #:	9999-013

REVISIONS:

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4.	



OVERALL SITE LAYOUT PLAN FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A

Widner & Associates, Inc.
P.O. BOX 102 MACON, GEORGIA 31002
PH: (478) 746-2010 WEBSITE: www.widner-associates.com
EMAIL: widner@widner-associates.com



LEVEL II CERTIFICATION
GSWCC # 57461



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CONGAREE SILT
Co 0 TO 2 PERCENT SLOPES, CONGAREE SILT LOAM

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

LOCATION FOR ABOVE GROUND DIVERSION BERM. THIS AREA IS TO BE USED FOR CONCRETE WASH DOWN OF TOOLS, MIXER CHUTES, HOPPERS AND THE REAR OF VEHICLES. WASHOUT OF THE DRUM IS PROHIBITED.

LOCATION FOR ABOVE GROUND DIVERSION BERM. THIS AREA IS TO BE USED FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS.

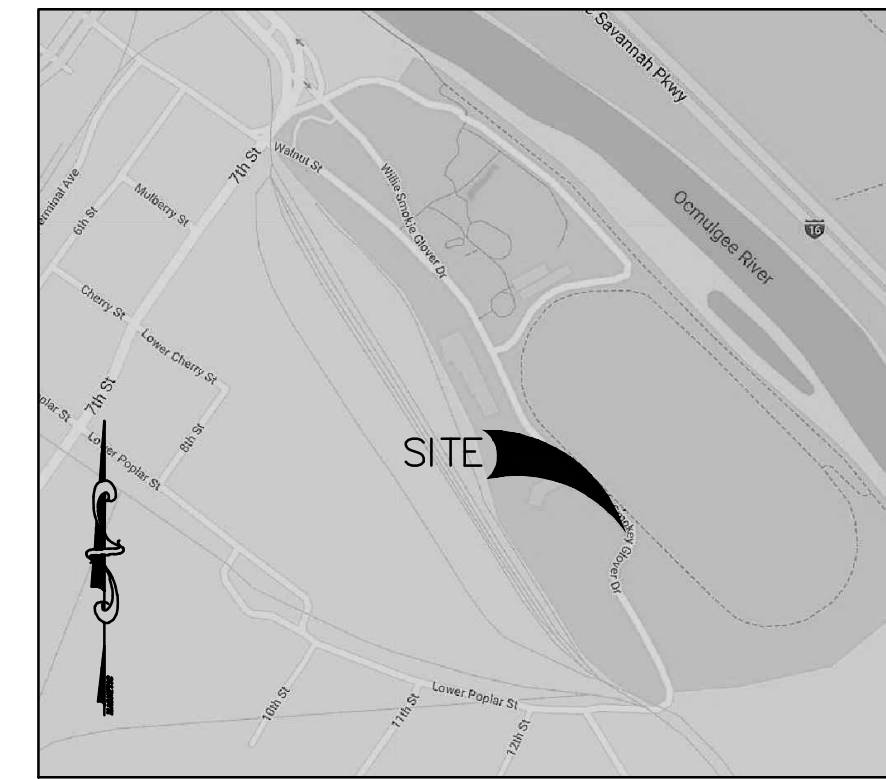
STORM WATER DISCHARGE AND SAMPLING POINT
APPENDIX B RATIONAL: 75 NTU

DI TOP=283.88
INV=281.05

24"CPP
INV=281.24

CONSTRUCTION EXIT
GPS LOCATION:
32.827939, -83.611513

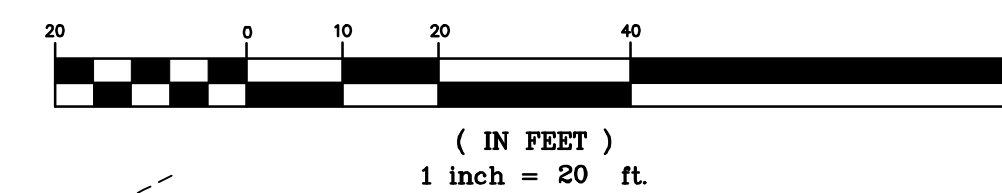
LIMITS OF DISTURBANCE IS DASHED LINE
DRAINAGE BASIN DELINEATION LINE IS DASHED LINE
AREA: 2.90 ACRE



LEGEND

PROPERTY LINE	IPF
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
STREAM OR CREEK	---
PROPOSED SANITARY SEWER W/MANHOLE	FH
WATER W/FIRE HYDRANT	FH
PROPOSED WATER VALVE	X
PROPOSED WATER METER	CB
PROPOSED STORM W/INLETS & HEADWALL	DWCB SWCB HW

GRAPHIC SCALE



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REVISIONS:

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

INITIAL EROSION AND SEDIMENT CONTROL PLAN FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
Macon, Bibb County, Georgia
LAND LOT N/A

DATE:
09/26/2025
DRAWN BY:
MTW
CHECKED BY:
WTW
PROJECT #
9999-013

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



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FAX: (478) 746-2010
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- 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

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



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

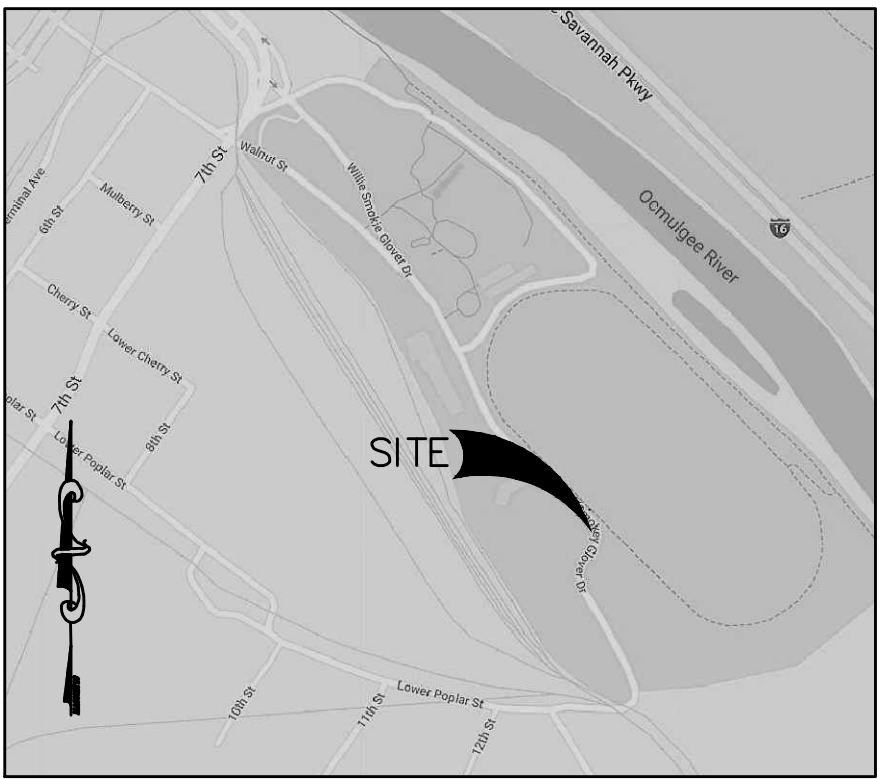
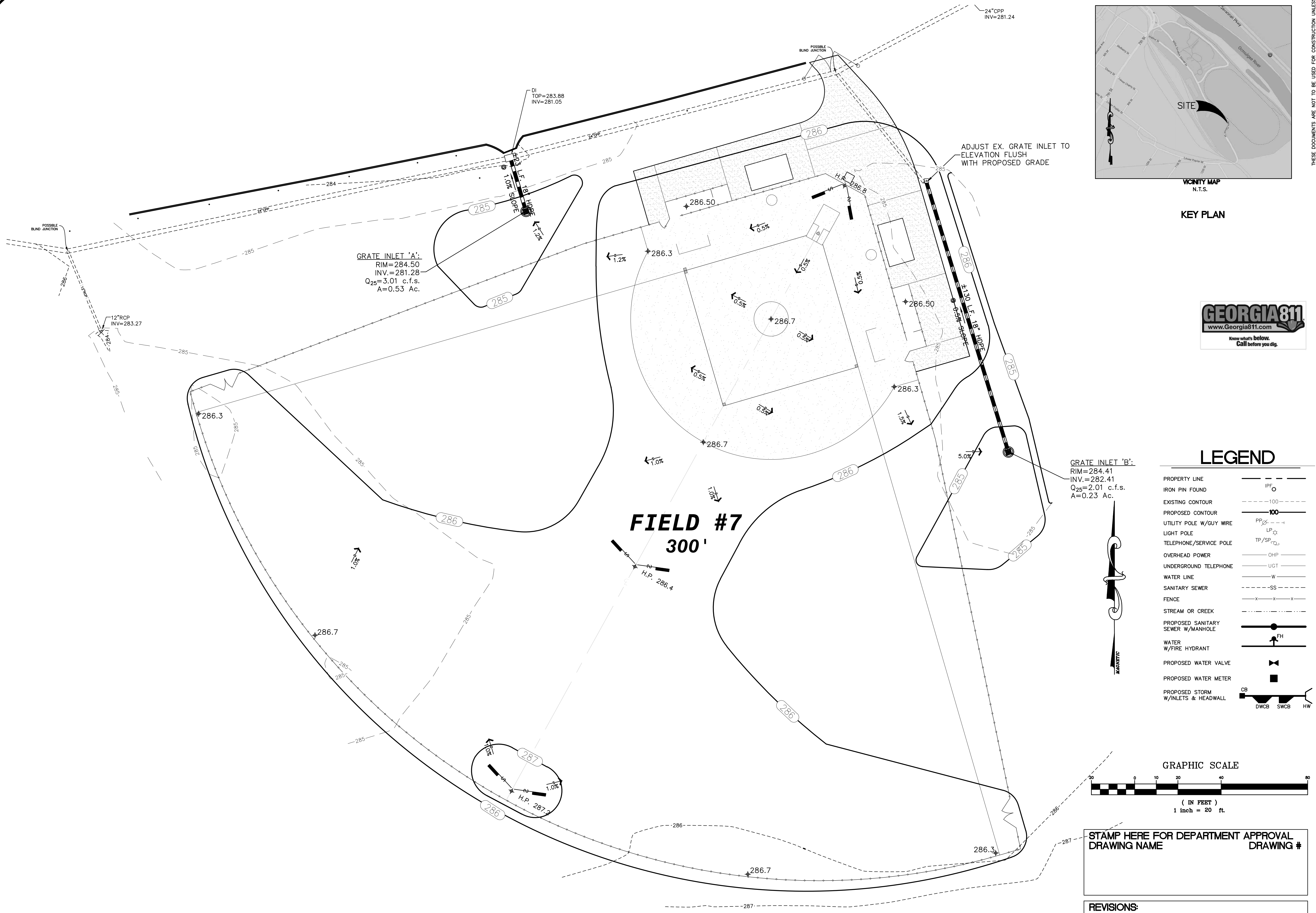
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MACON, BIBB COUNTY, GEORGIA
N/A | AND DISTRICT

DATE: 09/26/2025	SHEET C—
DRAWN BY: JAP	SCALE 1" = 2'
CHECKED BY: WTW	APPROVED
PROJECT #: 9999-013	

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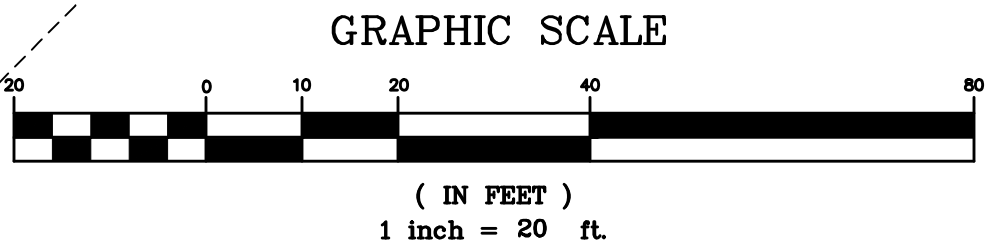
VICINITY MAP
N.T.S.

KEY PLAN



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	CB
PROPOSED STORM W/INLETS & HEADWALL	DWCB SWCB HW



STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME
DRAWING #

REVISIONS:
1.
2.
3.
4.



LEVEL II CERTIFICATION
GSWCC # 57461



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GRADING AND DRAINAGE PLAN FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT N/A

DATE:	09/26/2025	SHEET	C-5
DRAWN BY:	MTW	SCALE:	1" = 20'
CHECKED BY:	WTW	PROJECT #	9999-013
APPROV.			

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

LOCATION FOR ABOVE GROUND DIVERSION BERM. THIS AREA IS TO BE USED FOR CONCRETE WASH DOWN OF TOOLS, MIXER CHUTES, HOPPERS AND THE REAR OF VEHICLES. WASHOUT OF THE DRUM IS PROHIBITED.

LOCATION FOR ABOVE GROUND DIVERSION BERM. THIS AREA IS TO BE USED FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS.

STORM WATER DISCHARGE AND SAMPLING POINT
APPENDIX B RATIONAL: 75 NTU

DI
TOP=283.88
INV=281.05

24"CPP
INV=281.24

DRAINAGE BASIN DELINEATION
LINE IS DASHED LINE
AREA: 2.90 ACRE

ADJUST EX. GRATE INLET TO
ELEVATION FLUSH
WITH PROPOSED GRADE

Ds1 Ds2 Ds3 Du
ALL DISTURBED AREAS

GRATE INLET 'A':
RIM=284.50
INV.=281.28
Q₂₅=3.01 c.f.s.
A=0.53 Ac.

Ds1 Ds2 Ds3 Du
ALL DISTURBED AREAS

12"RCP
INV=283.27

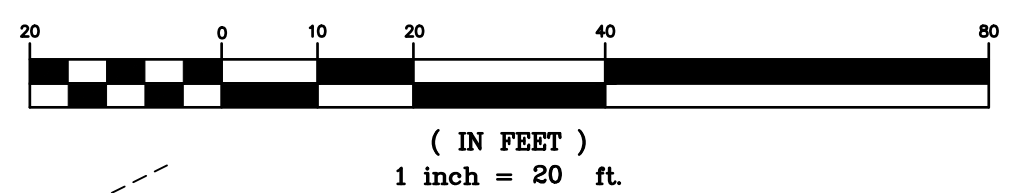


GRATE INLET 'B':
RIM=284.41
INV.=282.41
Q₂₅=2.01 c.f.s.
A=0.23 Ac.

LEGEND

PROPERTY LINE	— IPF —
IRON PIN FOUND	— 100 —
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 —
STREAM OR CREEK	— —
PROPOSED SANITARY SEWER W/MANHOLE	— FH —
WATER W/FIRE HYDRANT	— FH —
PROPOSED WATER VALVE	— X —
PROPOSED WATER METER	— X —
PROPOSED STORM W/INLETS & HEADWALL	— CB —

GRAPHIC SCALE



STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME
DRAWING #

REVISIONS:

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

NORTH - BASIN A SEDIMENT STORAGE CALCULATIONS

1. Required storm water storage= 0 cy (as determined by local ordinance)
2. Required sediment storage= 99.83 cy (67 cy/ac* 1.49 ac disturbed area)
3. Total required storage= 67+ 1.49 = 99.83 cy
4. Available storage= 3907 cy
5. Is the available storage (4) greater than the total required storage (3)?
(yes) or no
6. If "no", the sediment storage capacity of the pond must be increased. Choose the method to be used:
___ Raise the invert of the outlet structure ___ in.
___ Undercut the pond ___ ft.
___ Other
7. Clean-out elevation= 284.9 ft (elev. corresponding to 22cy/ac* 1.49 ac disturbed area)
8. Is the length-width ratio 2:1 or greater?
(yes) or no
9. If "no", the length of flow must be increased. Choose the method to be used:
___ Baffles (type of baffle: _____)
___ Other

Note the CMP diameter and height if a half-round CMP retrofit is to be used.
Dia.= ___ in. Ht.= ___ ft.

EAST - BASIN B SEDIMENT STORAGE CALCULATIONS

1. Required storm water storage= 0 cy (as determined by local ordinance)
2. Required sediment storage= 1274.34 cy (67 cy/ac* 1.41 ac disturbed area)
3. Total required storage= 67+ 1.41 = 94.47 cy
4. Available storage= 3612 cy
5. Is the available storage (4) greater than the total required storage (3)?
(yes) or no
6. If "no", the sediment storage capacity of the pond must be increased. Choose the method to be used:
___ Raise the invert of the outlet structure ___ in.
___ Undercut the pond ___ ft.
___ Other
7. Clean-out elevation= 284.8 ft (elev. corresponding to 22cy/ac* 1.41 ac disturbed area)
8. Is the length-width ratio 2:1 or greater?
(yes) or no
9. If "no", the length of flow must be increased. Choose the method to be used:
___ Baffles (type of baffle: _____)
___ Other

Note the CMP diameter and height if a half-round CMP retrofit is to be used.
Dia.= ___ in. Ht.= ___ ft.



LEVEL II CERTIFICATION
GSWCC # 87461



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P.O. BOX 423 MACON, GEORGIA 31203
TEL # (478) 746-3000
EMAIL: widner@widner-assoc.com
WEBSITE: www.widner-assoc.com

INTERMEDIATE EROSION AND SEDIMENT CONTROL PLAN FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT N/A

DATE:
09/26/2025
DRAWN BY:
JAP
CHECKED BY:
WTW
PROJECT #:
9999-013

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

NOTE: CONSTRUCTION ACTIVITY INCLUDES BUT IS NOT LIMITED TO MAINTAINING PERIMETER SILT FENCING, INLET SEDIMENT TRAP, INSTALLATION OF NEW STRUCTURES AND PIPING, FINISH GRADING AND FIELD CONSTRUCTION, PAVING AND FINAL STABILIZATION. UPON STABILIZATION THE SHEET FLOW OF STORMWATER OVER AND THROUGH THE TURF FIELDS WILL SLOW RUNOFF AND ALLOW SUSPENDED SOLIDS TIME TO FILTER OUT. THIS PROCESS WILL ENHANCE WATER QUALITY FOR STORMWATER RUNOFF LEAVING THE SITE.

STORM WATER DISCHARGE
AND SAMPLING POINT
APPENDIX B RATIONAL: 75 NTU

DI
TOP=283.88
INV=281.05

ADJUST EX. GRATE INLET TO
ELEVATION FLUSH
WITH PROPOSED GRADE

POST-DEVELOPMENT DRAINAGE
BASIN DELINEATION LINE IS
DASHED LINE AREA: 2.90 ACRE

GRATE INLET 'A':
RIM=284.50
INV.=281.28
Q₂₅=3.01 c.f.s.
A=0.53 Ac.

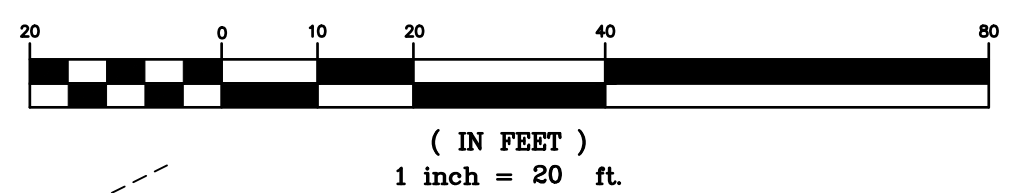
GRATE INLET 'B':
RIM=284.41
INV.=282.41
Q₂₅=2.01 c.f.s.
A=0.23 Ac.



LEGEND

PROPERTY LINE	IPF
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
STREAM OR CREEK	---
PROPOSED SANITARY SEWER W/MANHOLE	FH
WATER W/FIRE HYDRANT	FH
PROPOSED WATER VALVE	X
PROPOSED WATER METER	CB
PROPOSED STORM W/INLETS & HEADWALL	DWCB SWCB HW

GRAPHIC SCALE



STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME
DRAWING #

REVISIONS:

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

DRAINAGE BASIN 'A' DELINEATION AND RUNOFF CALCS.

DRAINAGE AREA TOTAL: 149 ACRES
DISTURBED: 149 ACRES
PRE-DEVELOPMENT RUNOFF COEFFICIENT: CN= 61
POST DEVELOPMENT RUNOFF COEFFICIENT: CN= 61
DRAINAGE AREA: 65 sq mi
APPENDIX B RATIONALE: 75 NTU

DRAINAGE BASIN 'B' DELINEATION AND RUNOFF CALCS.

DRAINAGE AREA TOTAL: 141 ACRES
DISTURBED: 141 ACRES
PRE-DEVELOPMENT RUNOFF COEFFICIENT: CN= 61
POST DEVELOPMENT RUNOFF COEFFICIENT: CN= 61
DRAINAGE AREA: 65 sq mi
APPENDIX B RATIONALE: 75 NTU

FIELD #7
300'

FINAL EROSION AND SEDIMENT CONTROL PLAN FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
Macon, Bibb County, Georgia
LAND LOT N/A

DATE:
09/26/2025
DRAWN BY:
MTW
CHECKED BY:
WTF
PROJECT #:
9999-013

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

Widner & Associates, Inc.
P.O. BOX 422 MACON, GEORGIA 31203
TEL: (478) 746-2000 FAX: (478) 746-2001
EMAIL: widner@widner-assoc.com



LEVEL II CERTIFICATION
GSWCC # 87461



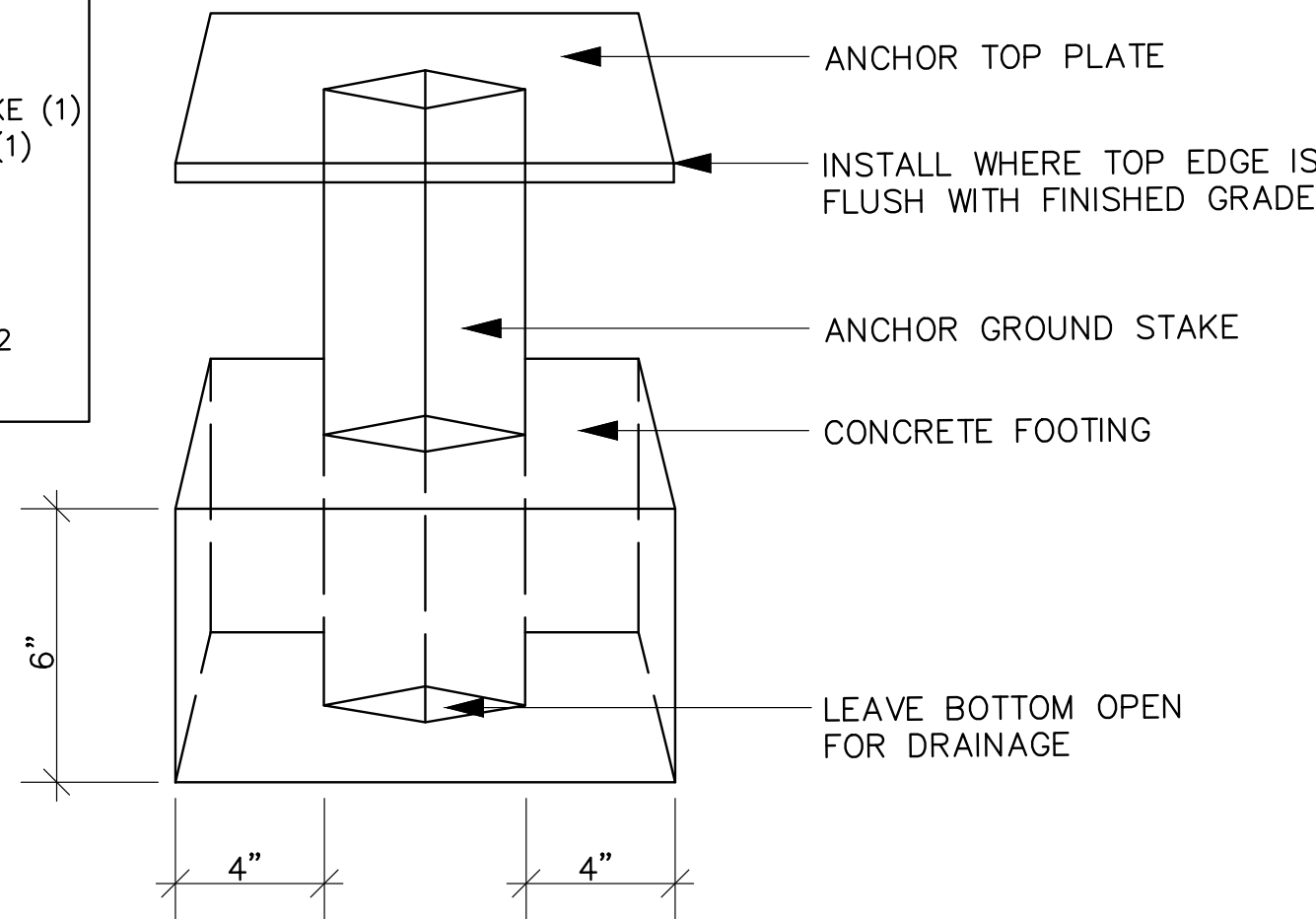
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THE SEAL ON THIS PAGE IS SIGNED IN BLUE INK.

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)

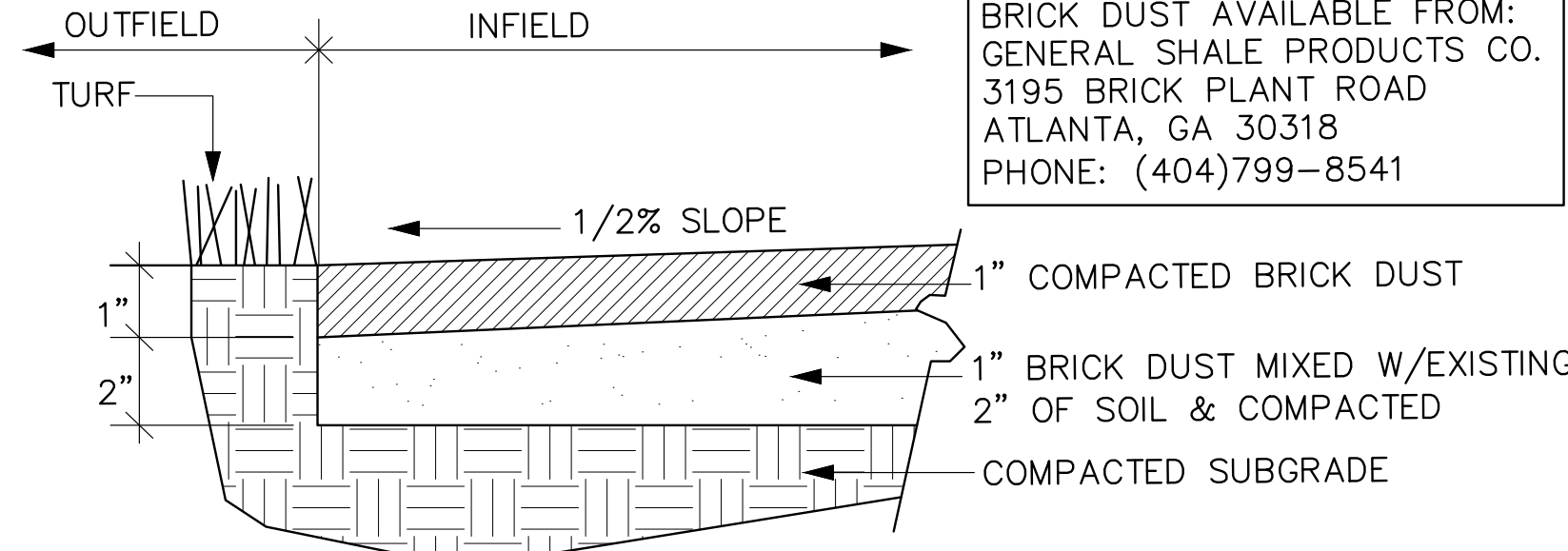
5 BACKSTOP PADDING

NTS

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

6 PREMIUM FENCE GUARD

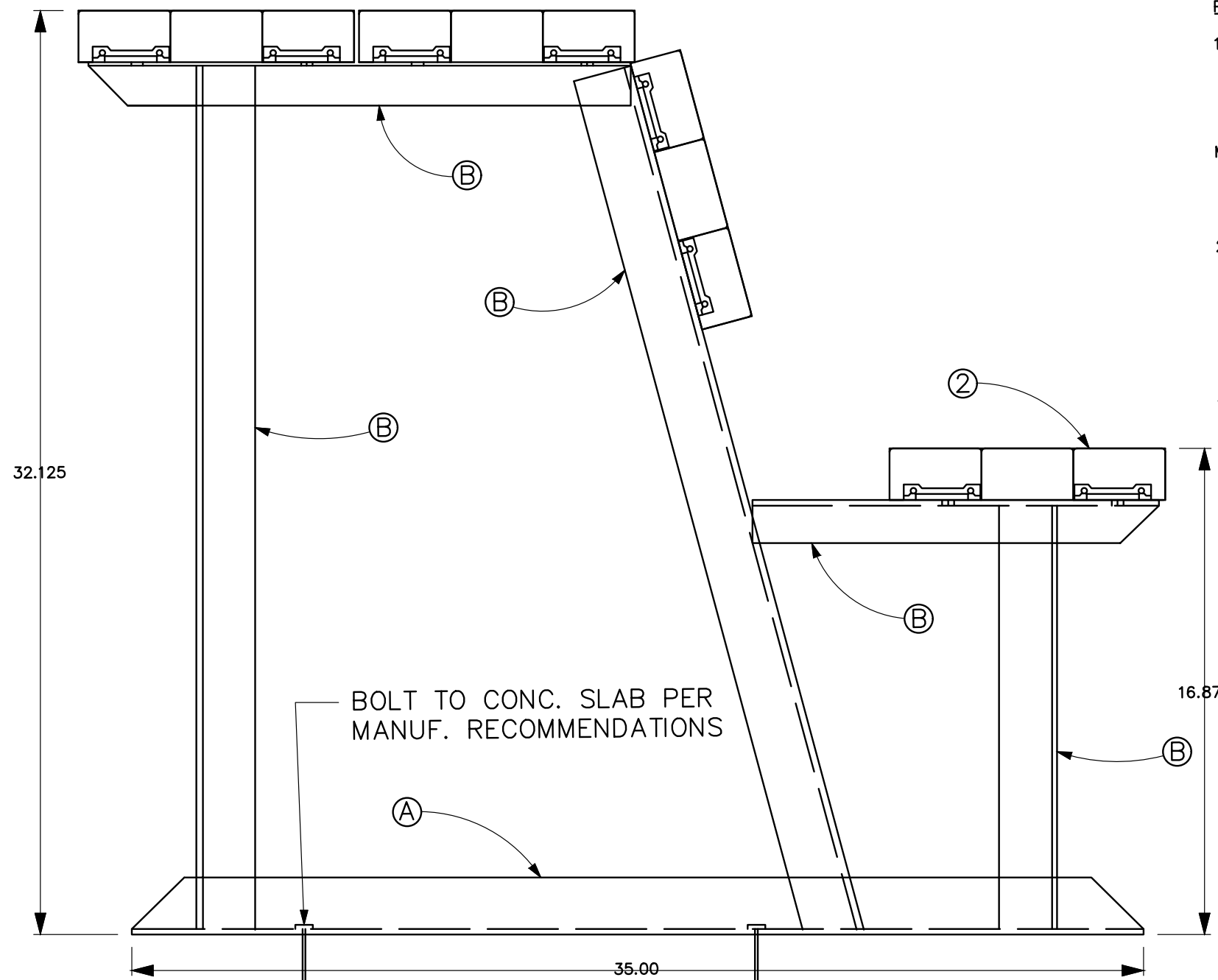
NTS



2 INFIELD MIX

NTS

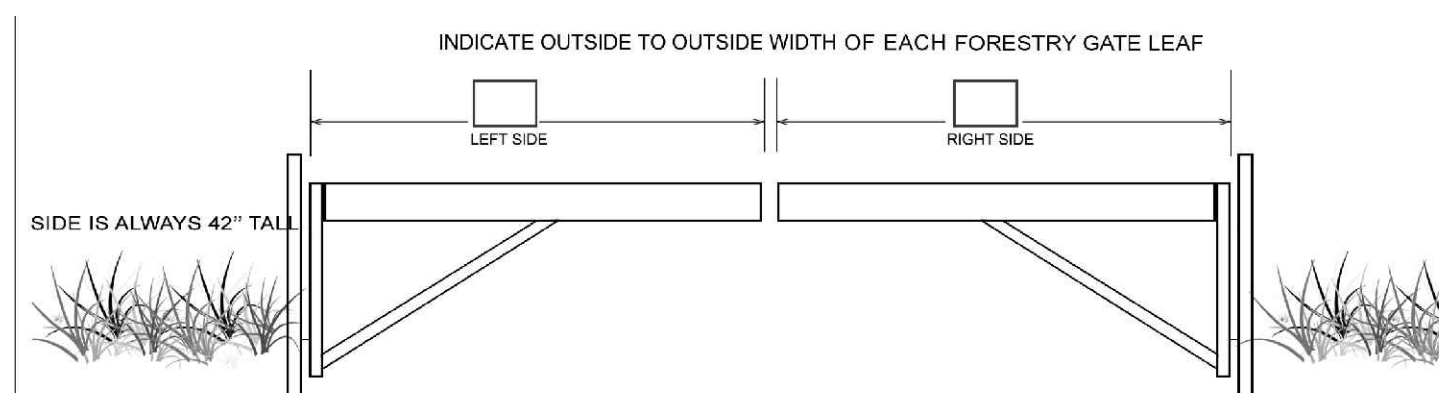
INSTALLATION PROCESS:
1. PREPARE INFIELD TO SUBGRADE DEPTH
2. SPREAD 1" BRICKDUST OVER ENTIRE INFIELD AREA. TILL BRICK DUST INTO TOP 2" OF SUBGRADE, LEVEL 4 COMPACT.
3. SPREAD ADDITIONAL 1" OF BRICKDUST OVER ENTIRE INFIELD, LEVEL & COMPACT. FINISH GRADE INFIELD SHOULD BE LEVEL WITH OUTFIELD GRASS.



7 DUG OUT BENCH

NTS

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



VIEW IS FROM OUTSIDE OF GATE
DUAL FORESTRY GATE FRAME (16'-0" OR LESS WIDE PER LEAF)

BERLIN DRAFTING INCORPORATED
15619 PREMIERE DR., SUITE 103 TAMPA, FL 33624
sales@berlindrafting.net (813) 969-8038

GATECRAFTERS.COM
13100 STATE RD. 54
ODESSA, FL 33556

www.gatecrafters.com
sales@gatecrafters.com
1-800-537-GATE
FAX TO 813-928-8460

9 FORESTRY GATE

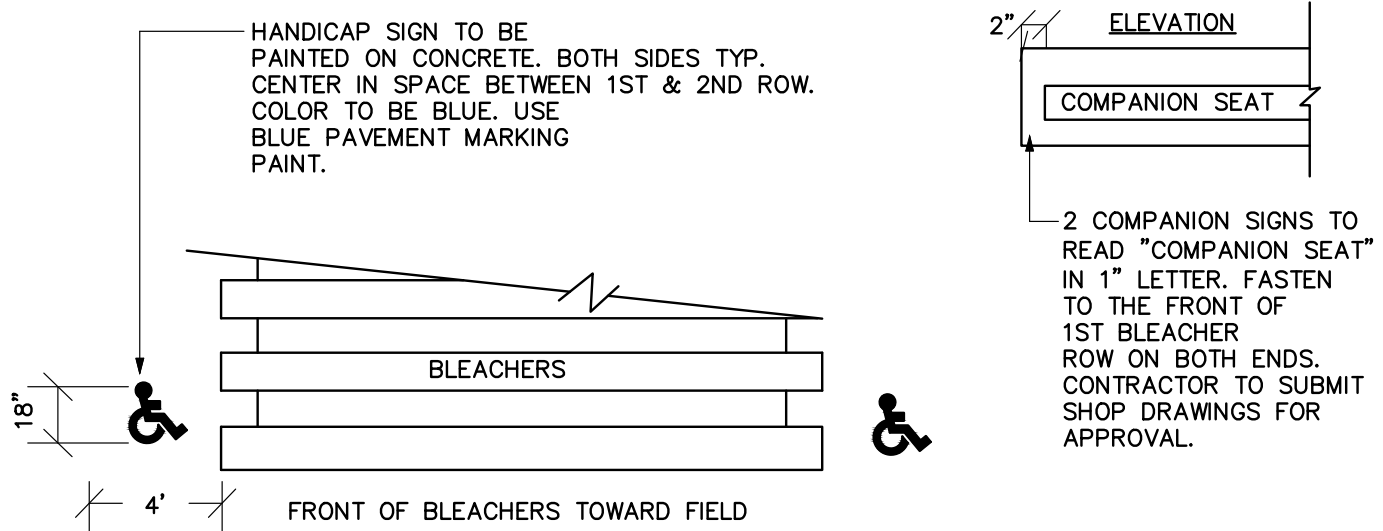
NTS

NOTE:
BRICK DUST AVAILABLE FROM:
GENERAL SHALE PRODUCTS CO.
3195 BRICK PLANT ROAD
ATLANTA, GA 30318
PHONE: (404)799-8541

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

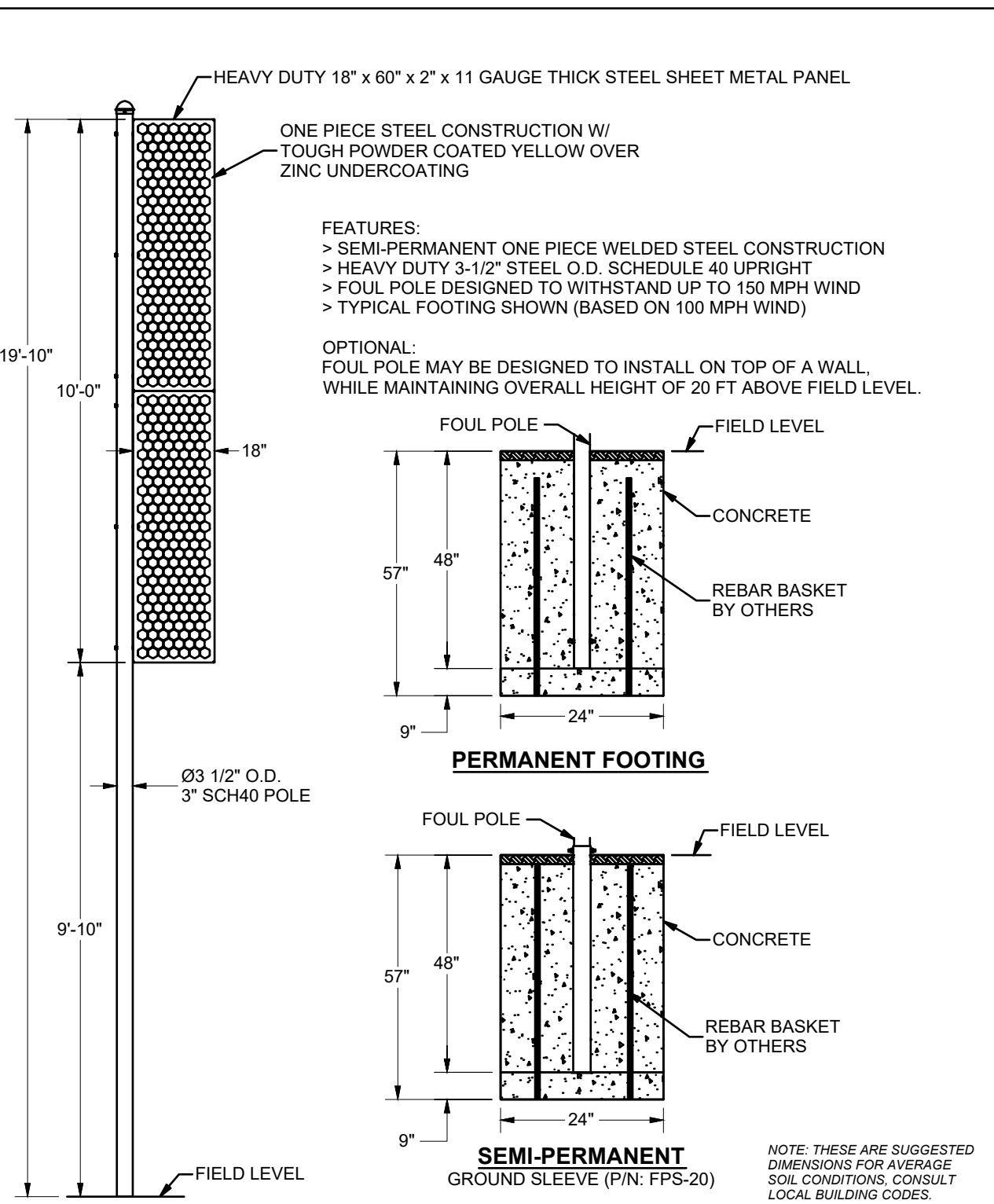
3 BLEACHER DETAIL

NTS



4 HANDICAPPED SEATING AREA AT LOCATIONS FOR BLEACHERS

NTS



SportsEdge
SAFETY MATTERS
A Division of JBT, Inc.
P.O. Box 837 / 255 Mudlock Road
Tougaloo, NC 28186
(800) 334-0267

SEBBFP-20
20 FT PROFESSIONAL FOUL POLE

Sheet 1 of 1
Manufactured by:
www.jaypro.com
510 Harrison Turnpike
Waterford, CT 06385 USA

8 FOUL POLE

NTS

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LEVEL II CERTIFICATION
GSWCC # 57461



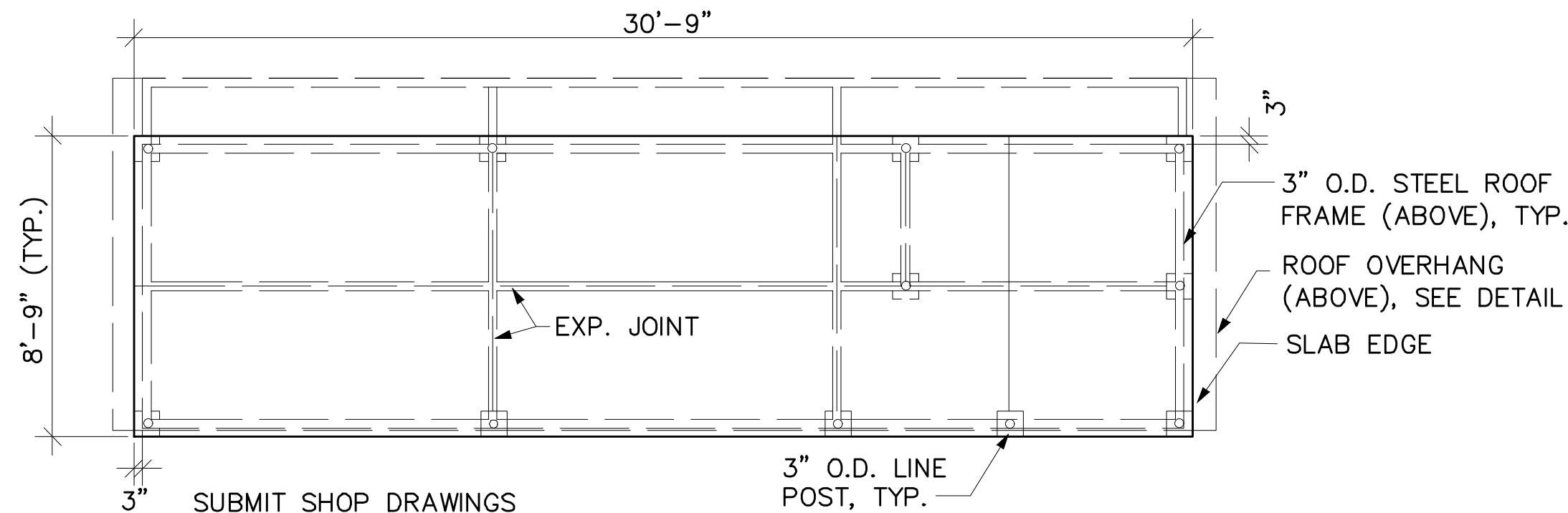
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EMAIL: widner@widner-assoc.com
WEBSITE: www.widner-assoc.com

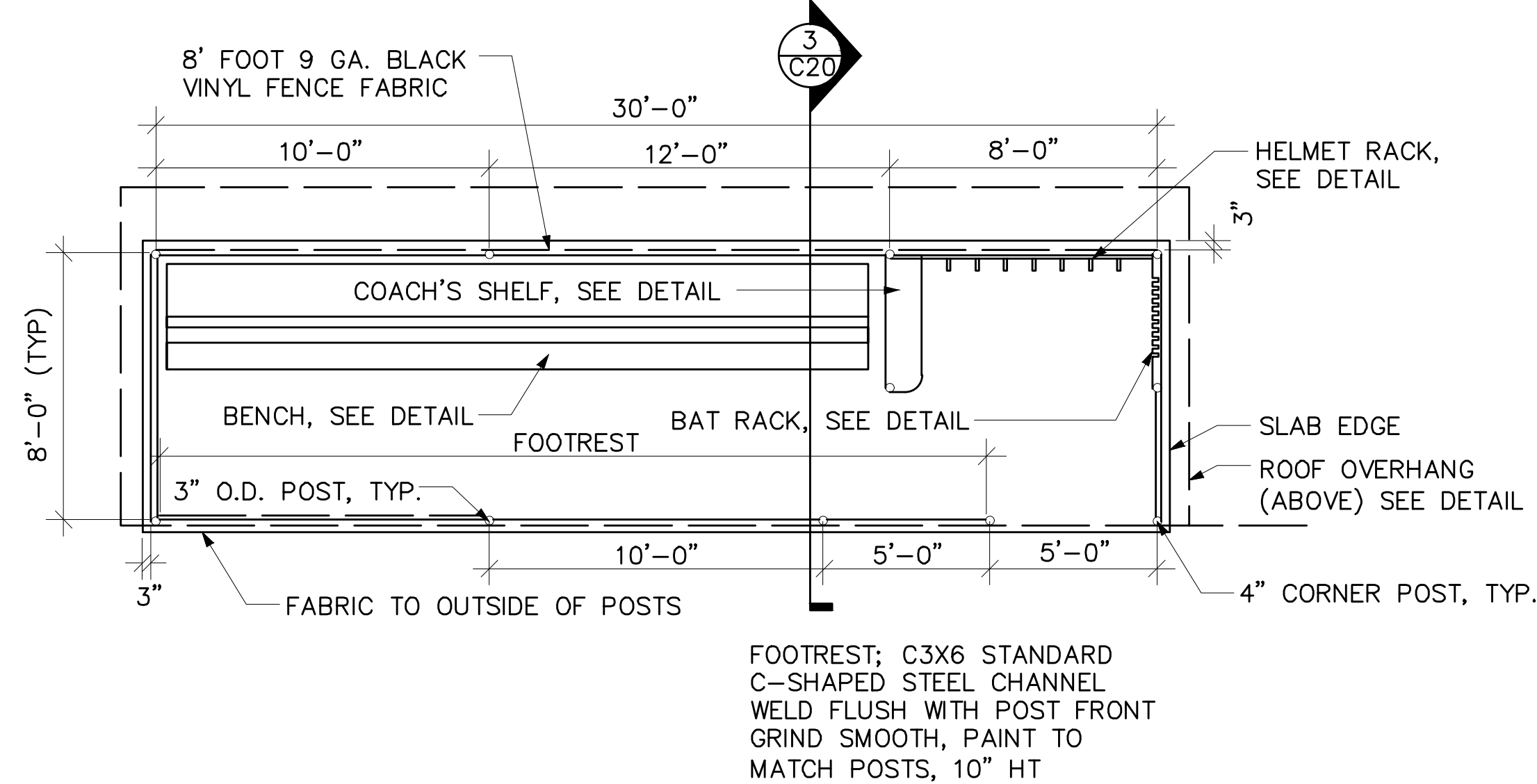
DETAILS FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A

DATE:
09/26/2025
DRAWN BY:
JAP
CHECKED BY:
WTW
PROJECT #:
9999-013

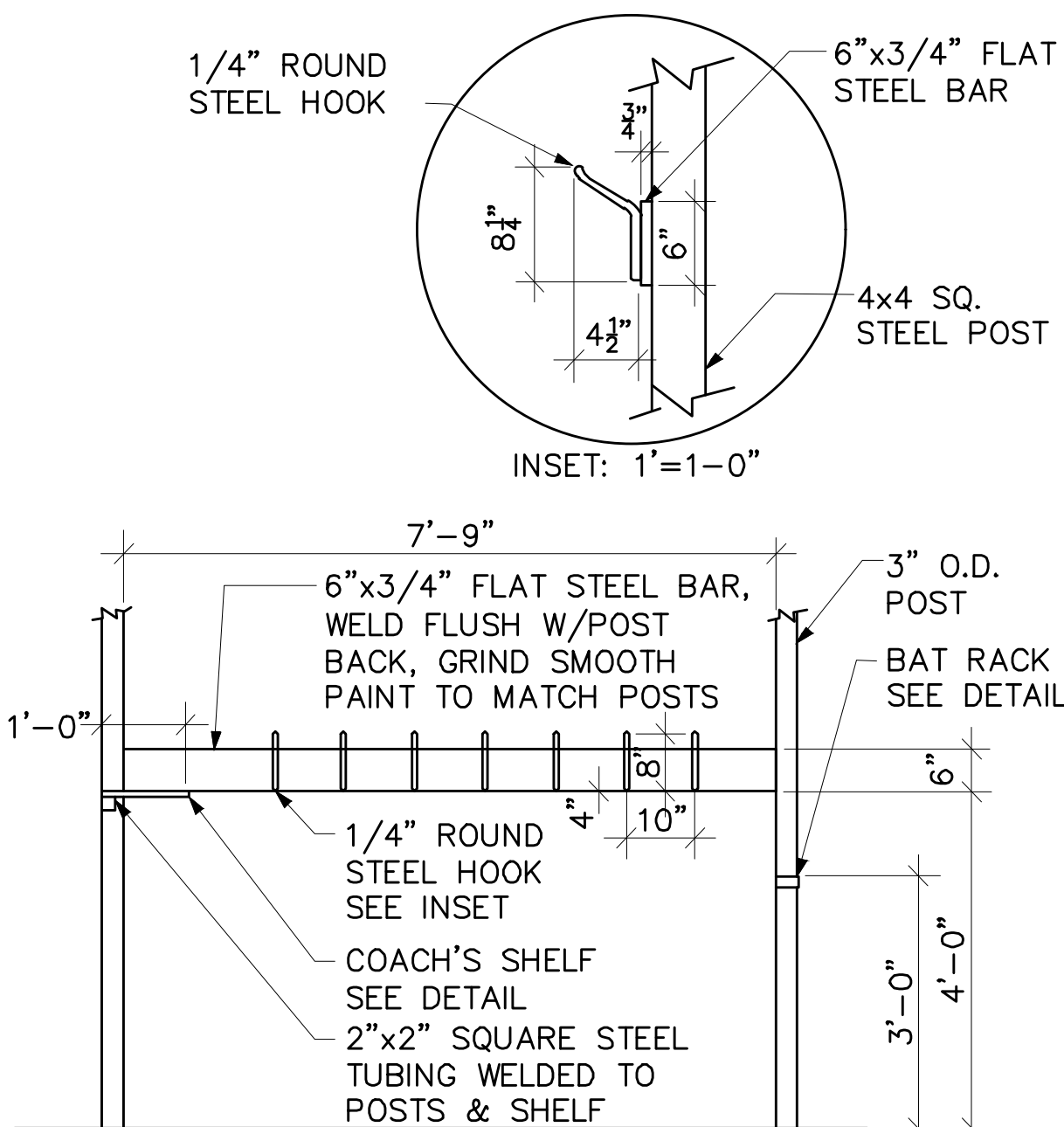
SHEET
C-10
SCALE:
N/A
APPROV.



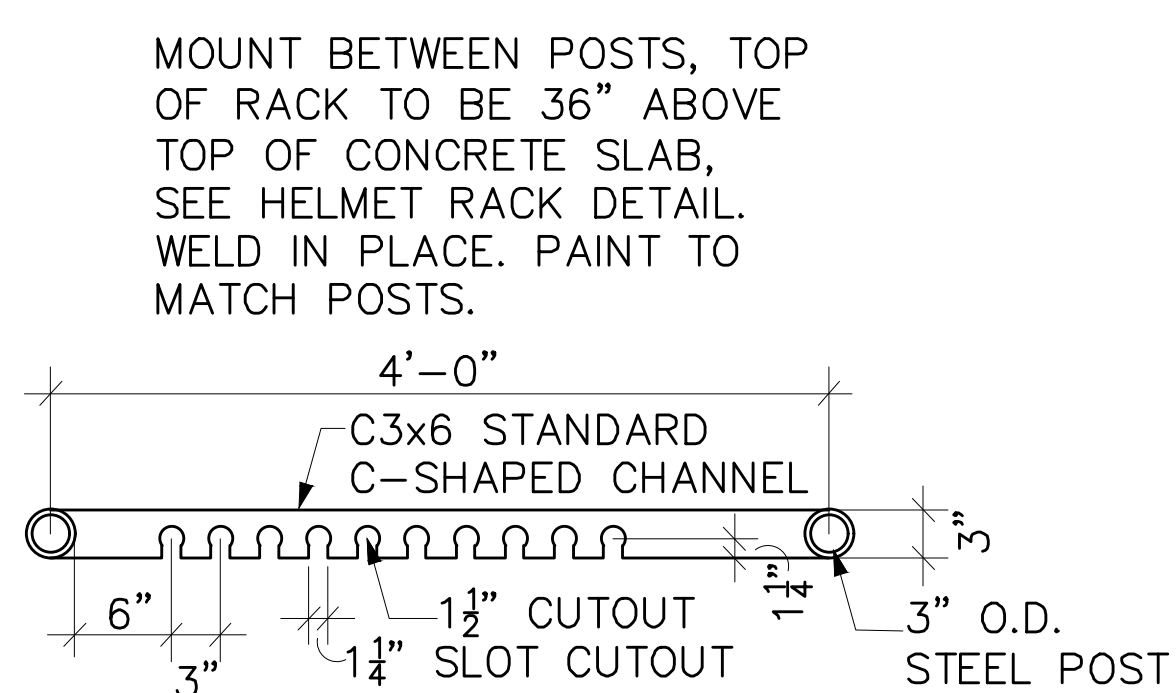
1 DUGOUT SLAB - PLAN VIEW
1/4" = 1'-0"



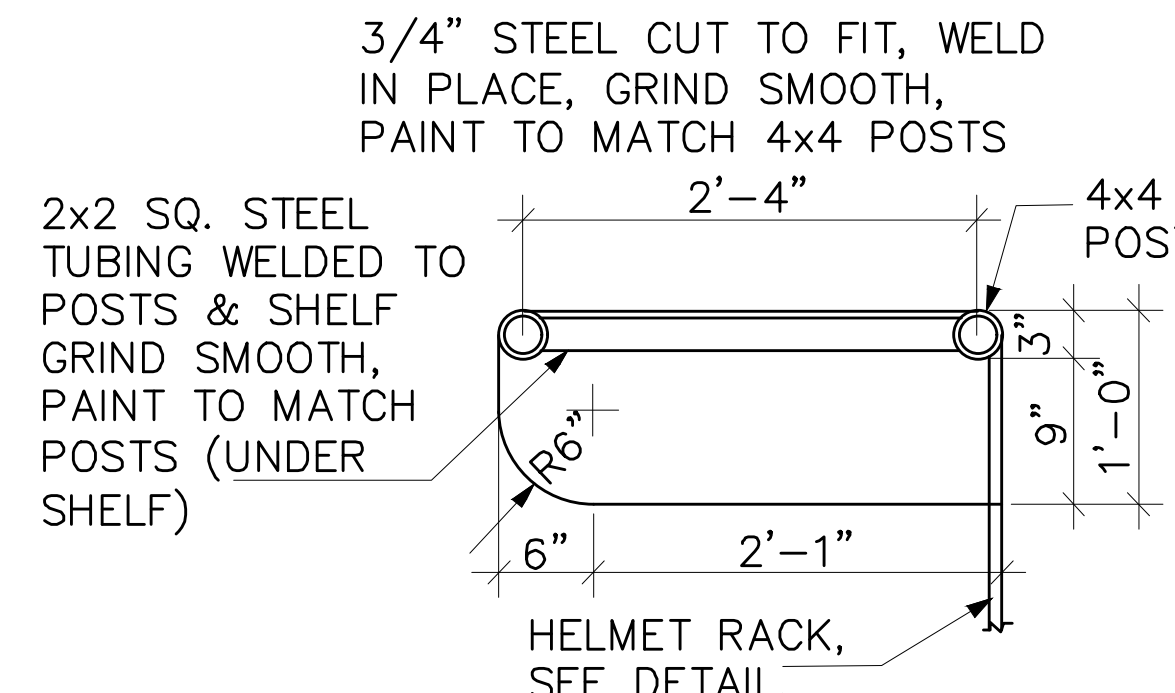
2 DUGOUT LAYOUT
1/4" = 1'-0"



4 HELMET RACK
1/2" = 1'-0"

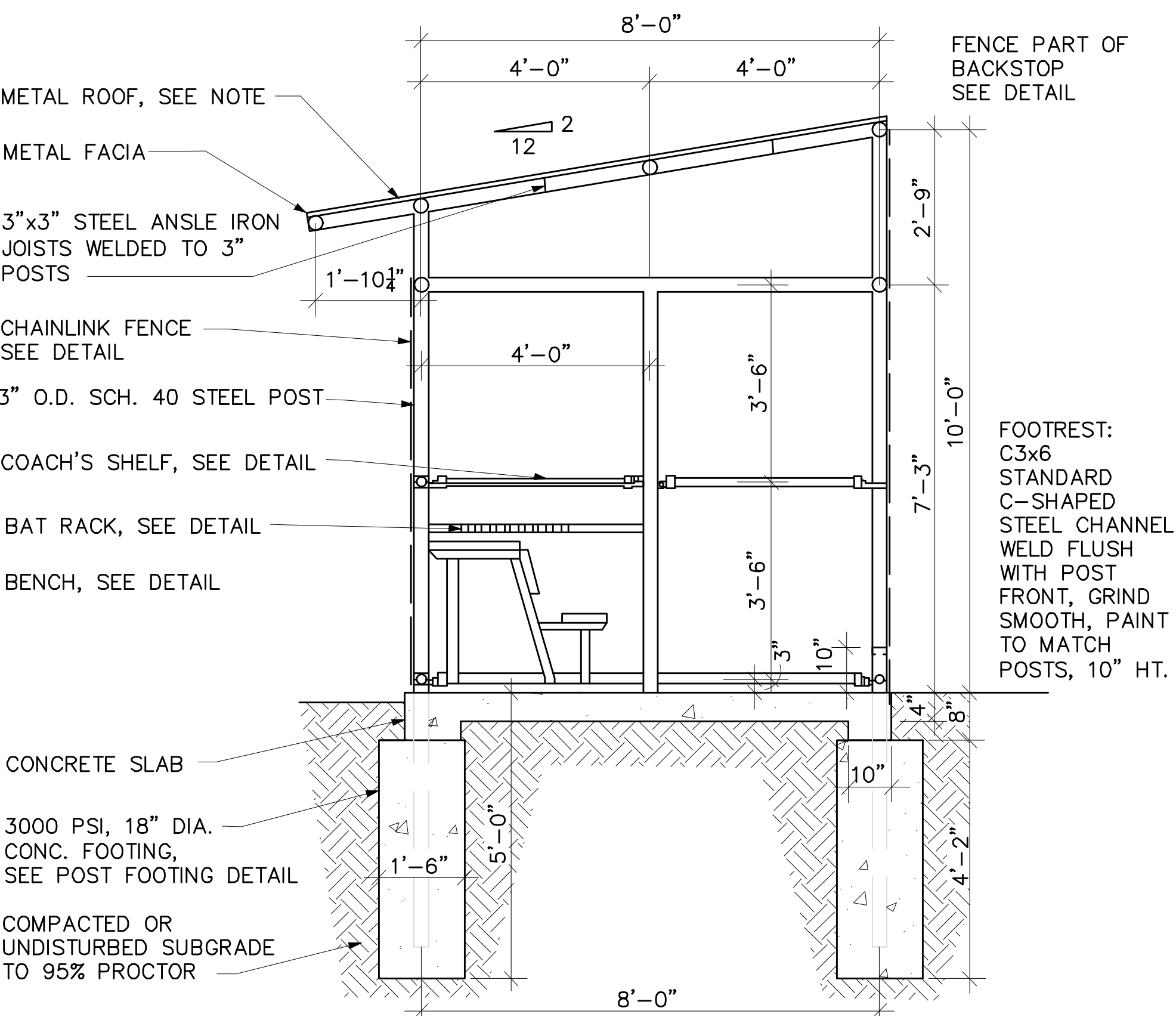


5 BAT RACK - PLAN
1" = 1'-0"



6 COACH'S SHELF - PLAN
1" = 1'-0"

ROOFING NOTE: MIGHTY-RIB, 26 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 FASTERS IN RIBS PER MANUFACTURER'S RECOMMENDATIONS TO AVOID EXPOSED POINTS OF FASTNERS BELOW DECKING. INSTALL WITH UNDERLAYMENT AND INSTALL ALL COMPONENTS PER MANUFACTURER'S RECOMMENDATIONS.



3 DUGOUT SLAB - PLAN VIEW
1/2" = 1'-0"

- 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 GRIND 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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LEVEL II CERTIFICATION
GSWCC # 97461

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WWW.WIDNER-ASSOC.COM

DETAILS FOR

CENTRAL CITY - SOFTBALL FIELD 7

150 WILLIE SMOKIE GLOVER DRIVE

MACON, BIBB COUNTY, GEORGIA

LAND LOT (S) N/A

DATE: 09/26/2025

DRAWN BY: JAP

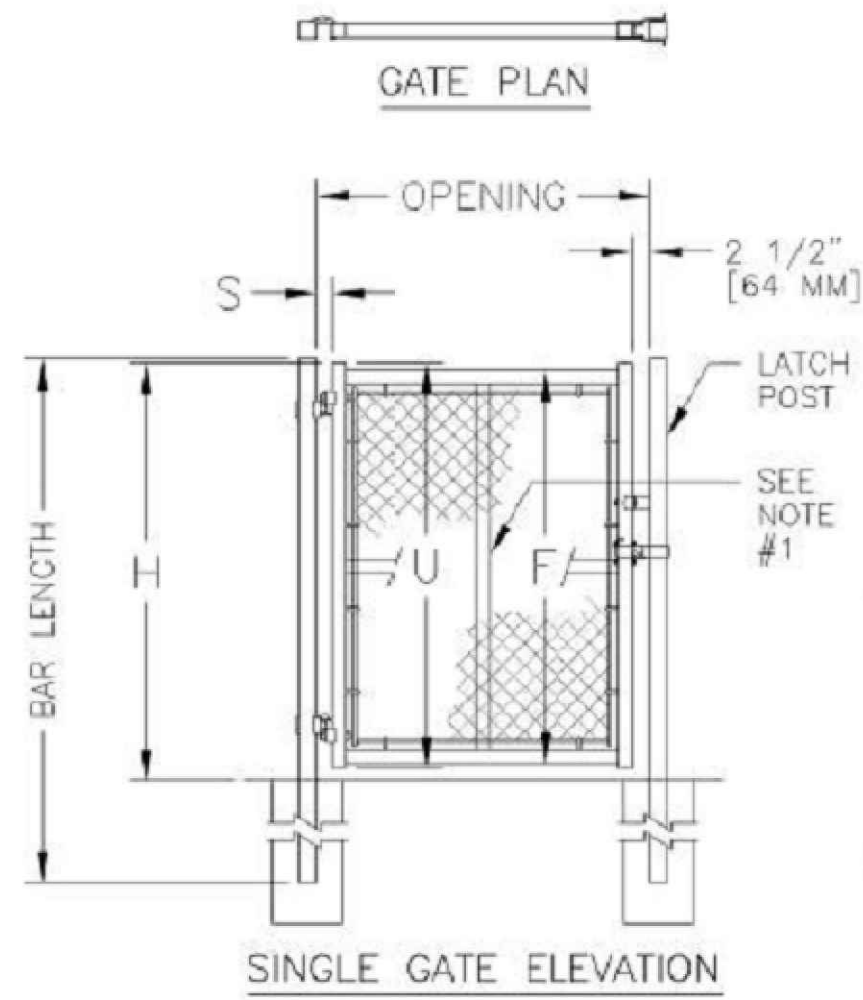
CHECKED BY: WTW

PROJECT #: 9999-013

SHEET C-11

SCALE: N/A

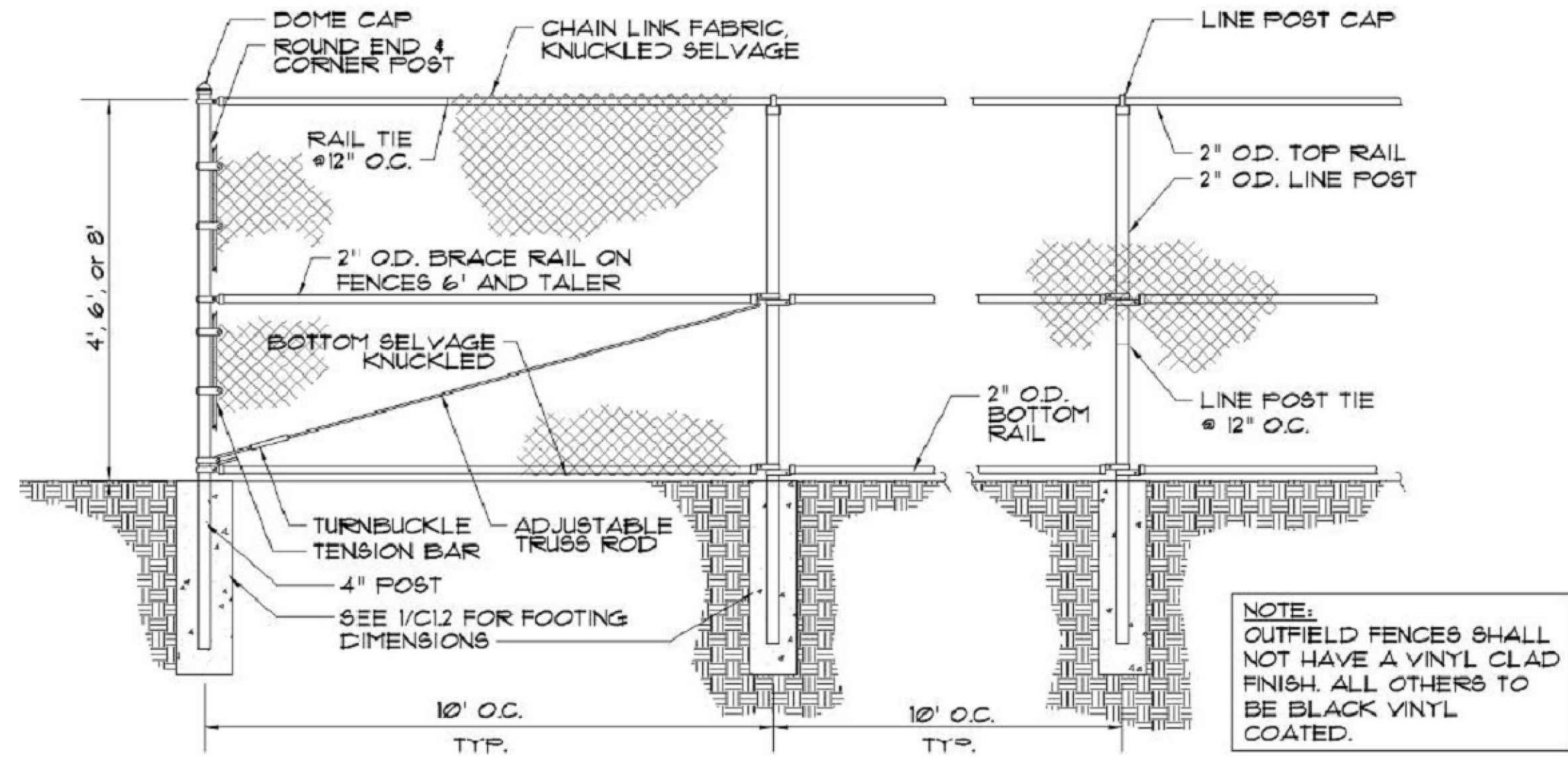
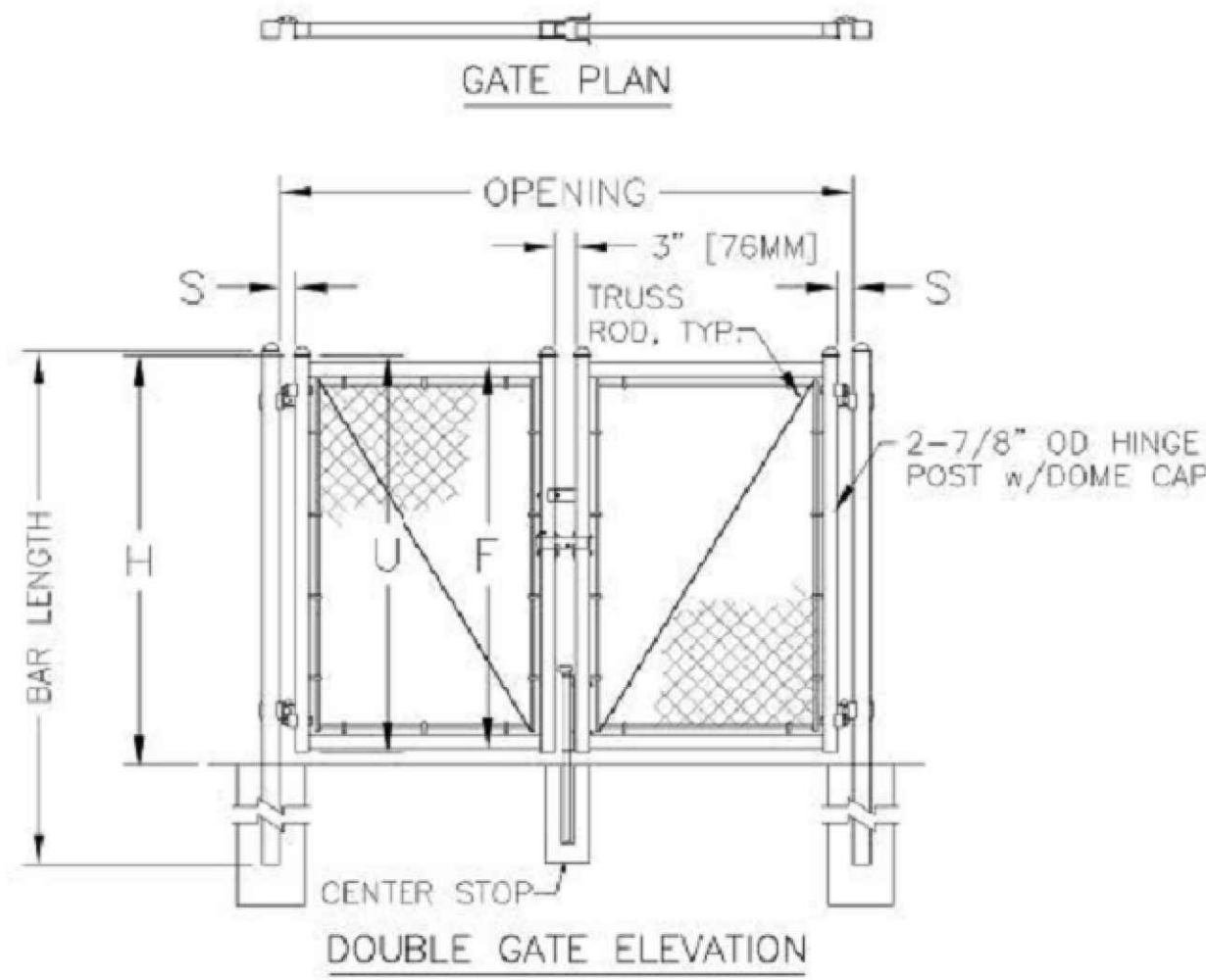
APPROV.



SINGLE OR DOUBLE LEAF GATES			
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)	
WITHOUT BARBED WIRE	ACTUAL DIM	ACTUAL DIM	
3'-0" [914MM]	2'-10" [864MM]	2'-8 1/2" [826MM]	
3'-6" [1067MM]	3'-4" [1016MM]	3'-2 1/2" [978MM]	
4'-0" [1219MM]	3'-10" [1168MM]	3'-8 1/2" [1130MM]	
5'-0" [1524MM]	4'-10" [1473MM]	4'-8 1/2" [1435MM]	
6'-0" [1829MM]	5'-10" [1778MM]	5'-8 1/2" [1740MM]	
7'-0" [2134MM]	6'-10" [2083MM]	6'-8 1/2" [2045MM]	
8'-0" [2438MM]	7'-10" [2388MM]	7'-8 1/2" [2350MM]	
9'-0" [2743MM]	8'-10" [2692MM]	8'-8 1/2" [2654MM]	
10'-0" [3048MM]	9'-10" [2997MM]	9'-8 1/2" [2959MM]	
11'-0" [3353MM]	10'-10" [3302MM]	10'-8 1/2" [3264MM]	
12'-0" [3658MM]	11'-10" [3607MM]	11'-8 1/2" [3569MM]	

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]
6'-0" [1829MM]		

DOUBLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
14'-0" [4267MM]	3" [76MM] SQ OR 4" [102MM] OD	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]
24'-0" [7315MM]		



1 CHAINLINK GATE

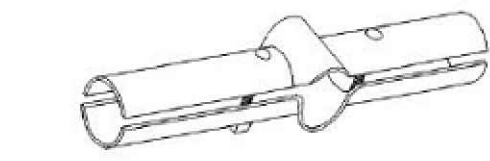
NTS

2 CHAINLINK FENCE

NTS

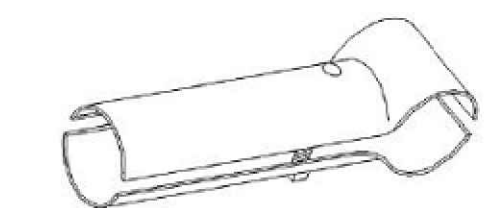
NOTE: ALL GALVANIZED FITTINGS TO CONFORM TO ASTM-A153.

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"

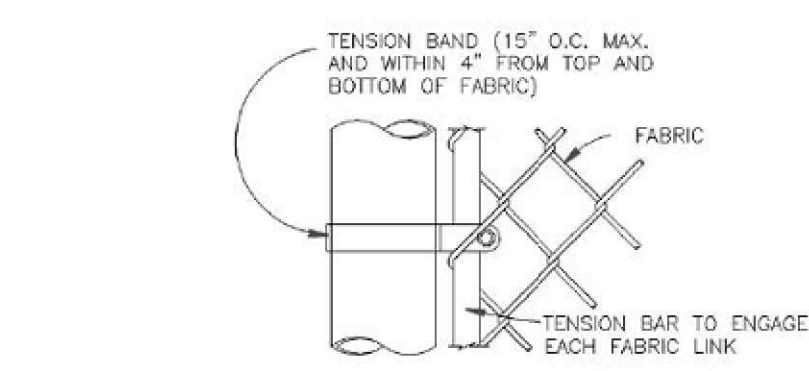


LINE RAIL CLAMP

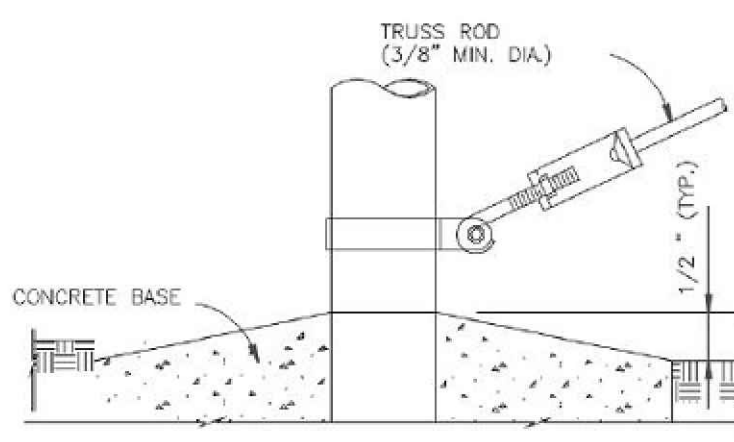
NO. 2177 1-5/8" X 1-5/8"
NO. 2179 2" X 1-5/8"
NO. 2180 2-3/8" X 1-5/8"
NO. 2181 2-3/8" X 1-5/8"
NO. 2182 3" X 1-5/8"



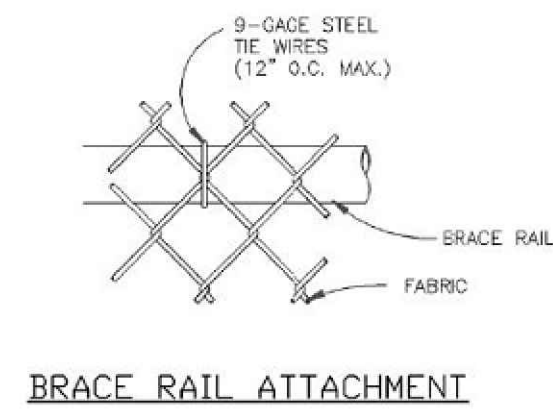
END RAIL CLAMP



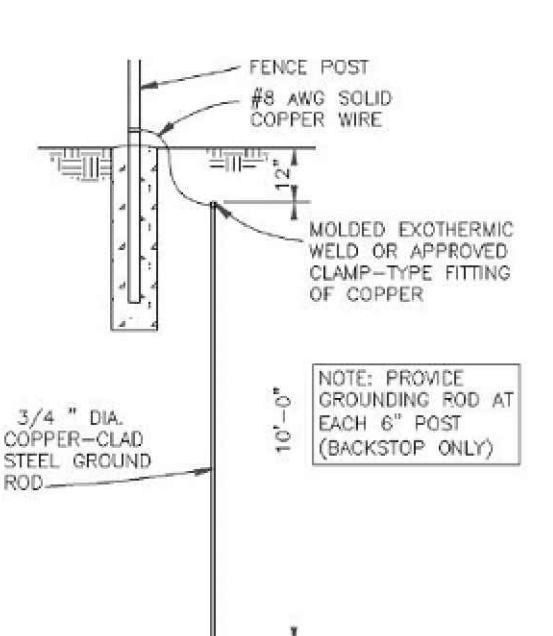
END OR GATE POST DETAIL



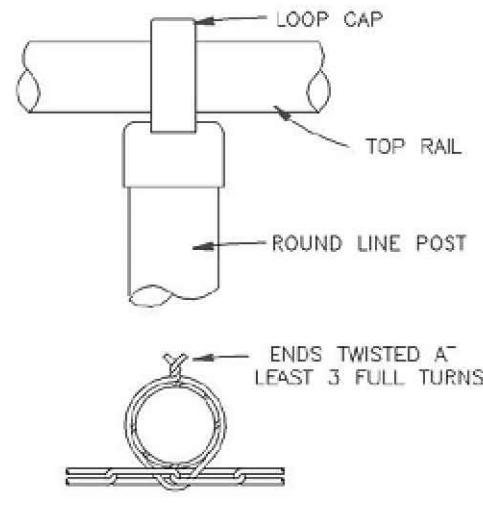
TRUSS ROD AND BAND



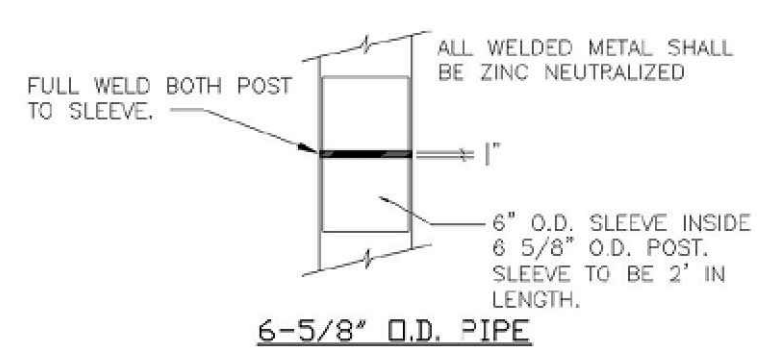
BRACE RAIL ATTACHMENT



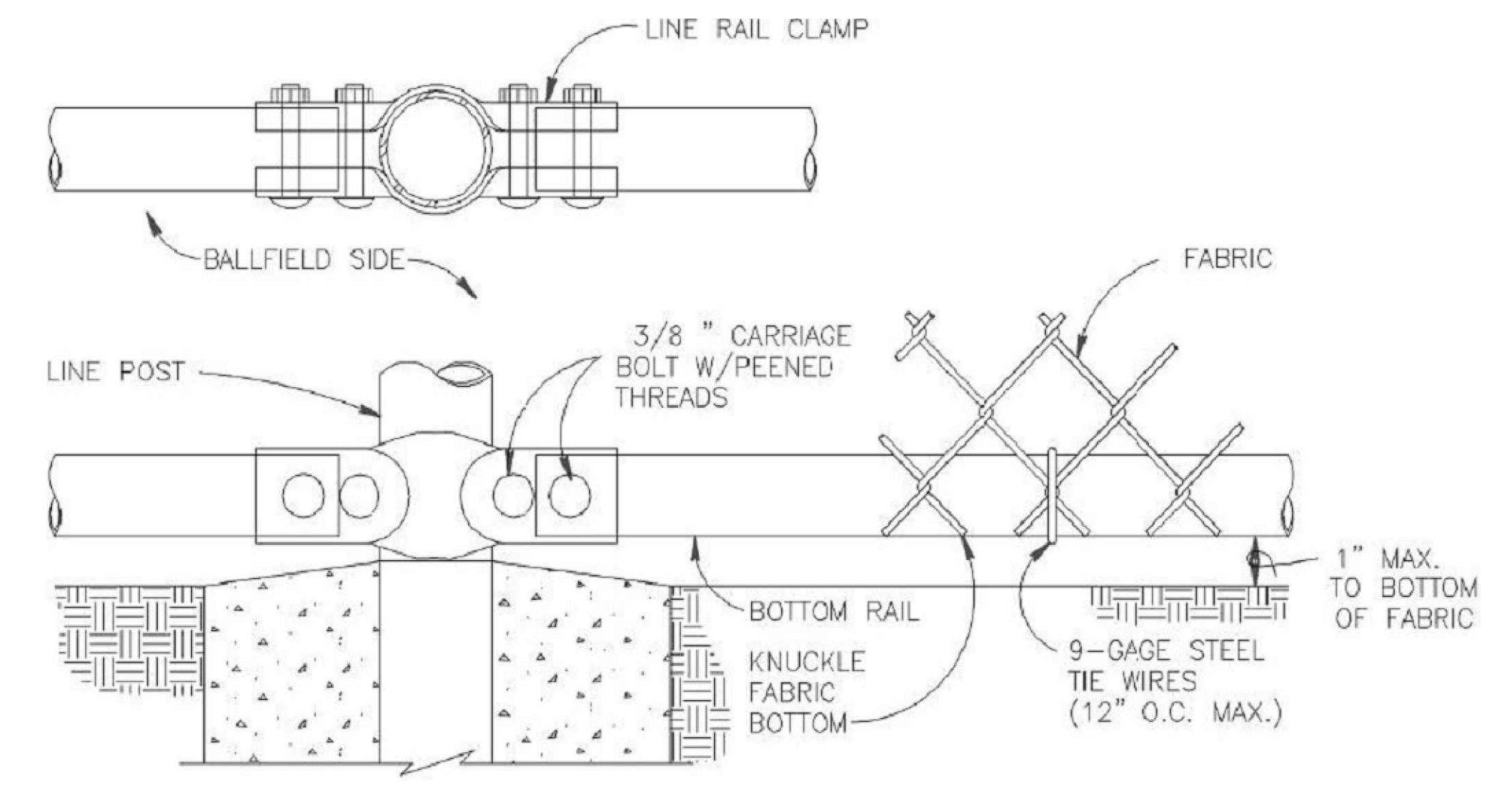
GROUNDING DETAIL



LINE POST ATTACHMENTS



BRACE RAIL CLAMP DETAIL



4 BOTTOM RAIL DETAIL

NTS

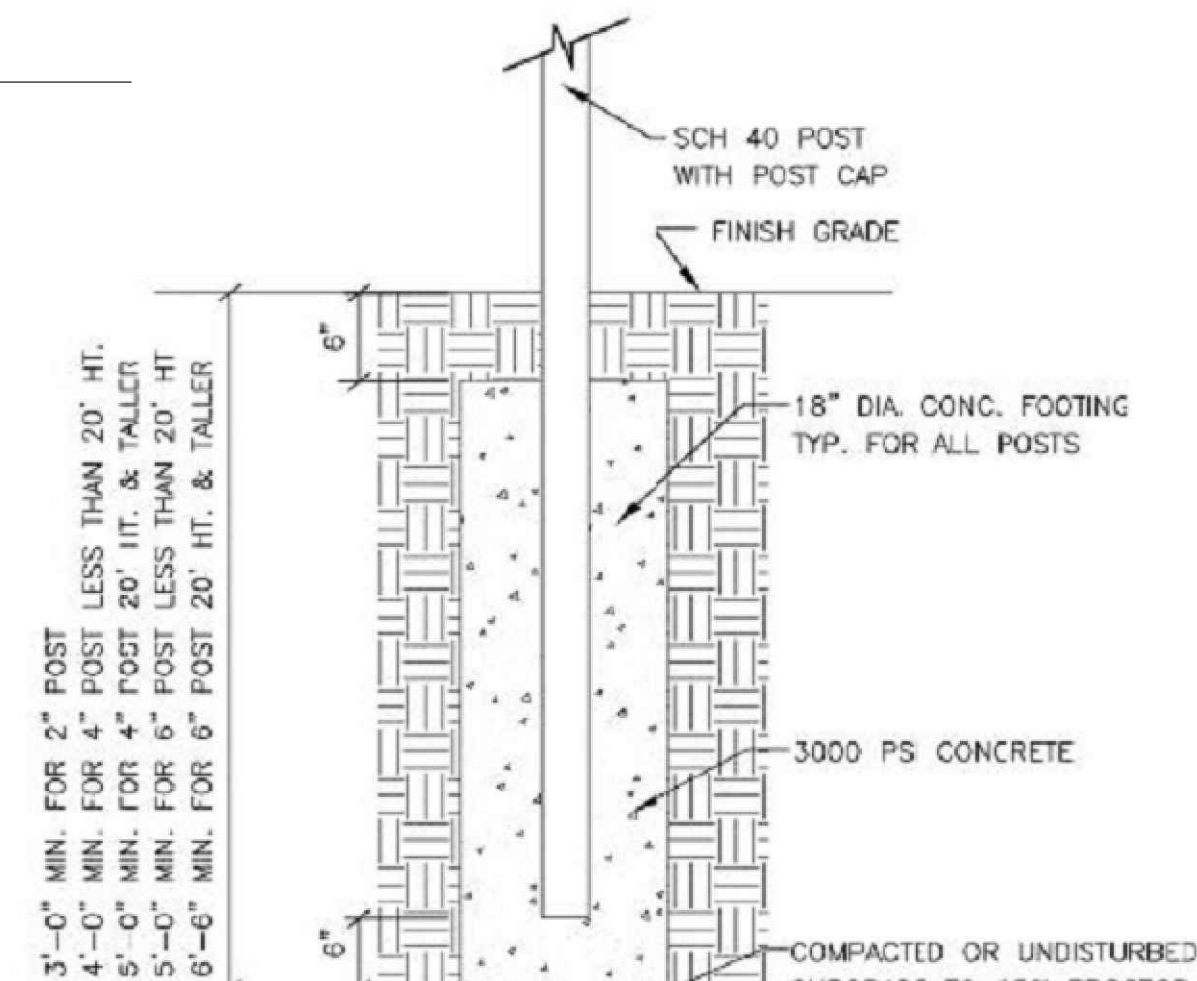
3 FENCING DETAILS

NTS

POST TOPS	TOP & BOTTOM FABRIC
DOME	KNUCKLE

5 POST CAPS AND FABRIC EDGES

NTS



6 POST FOOTING

NTS

STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME _____ DRAWING # _____

REVISIONS:

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



LEVEL II CERTIFICATION
GSWCC # 57461

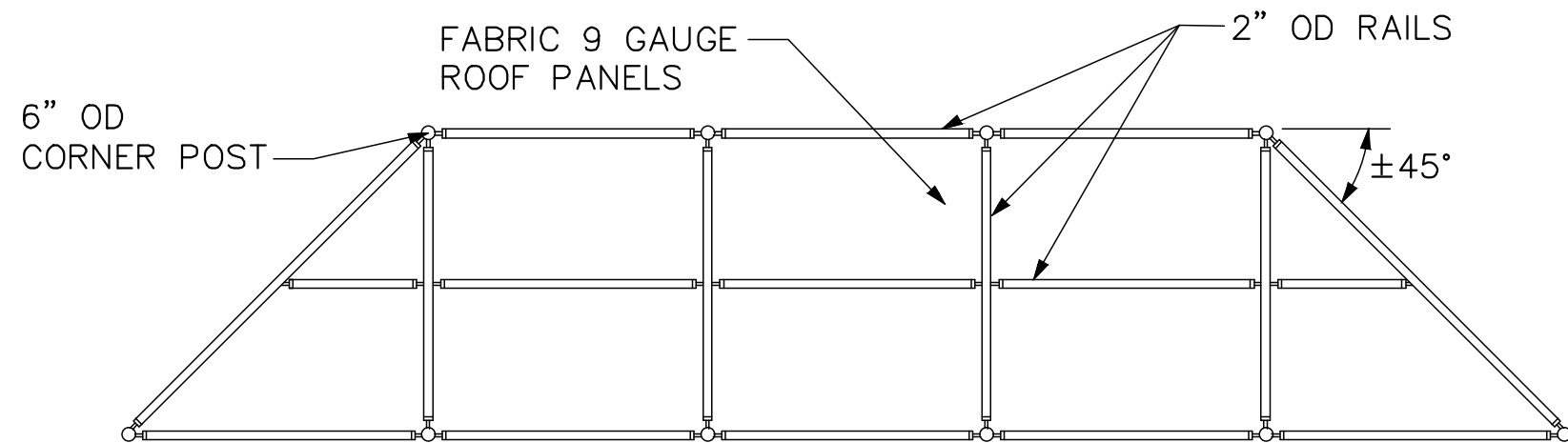


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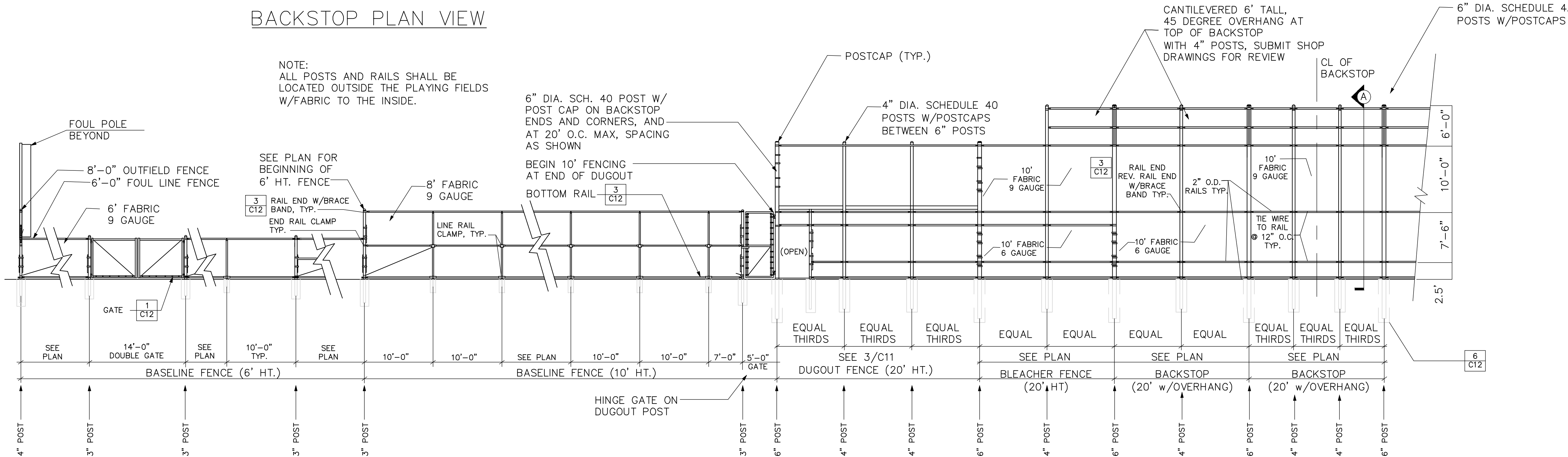
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P.O. BOX 102, MACON, GEORGIA 31202
PHONE: (478) 748-2010
FAX: (478) 748-2010
EMAIL: widner@widner-assoc.com
WWW.WIDNER-ASSOC.COM

DETAILS FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A

DATE: 09/26/2025
DRAWN BY: JAP
CHECKED BY: WTW
PROJECT #: 9999-013
SHEET C-12
SCALE: N/A
APPROV. _____



BACKSTOP PLAN VIEW

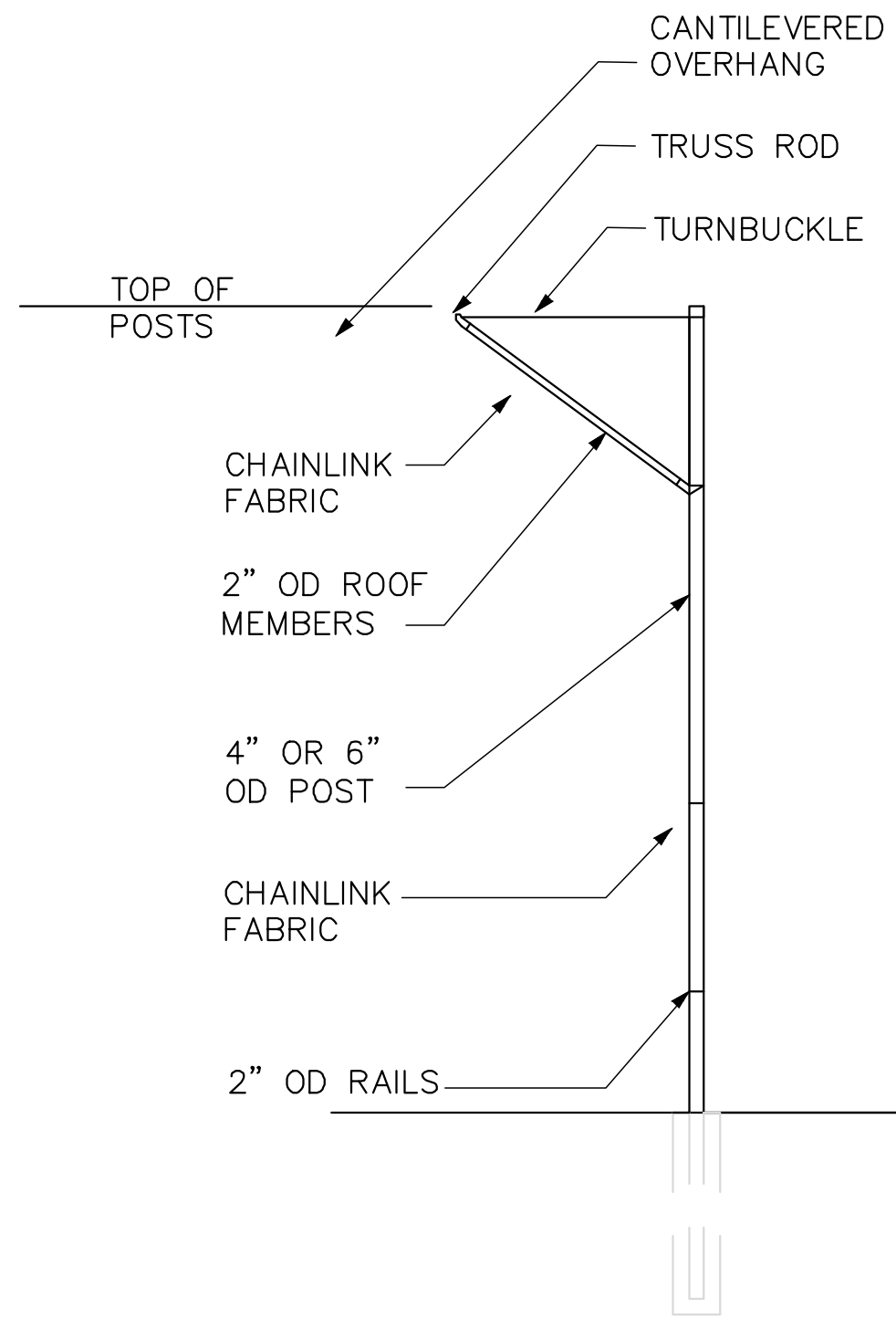


NOTE: GATES, OPENINGS, ETC. MAY VARY BY LOCATION. SEE LAYOUT PLANS FOR MORE INFORMATION.

BACKSTOP AND FENCE - ELEVATION

SCALE: 1/8" = 1'-0"

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

STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME DRAWING #

REVISIONS:

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

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LEVEL II CERTIFICATION
GSWCC # 57461



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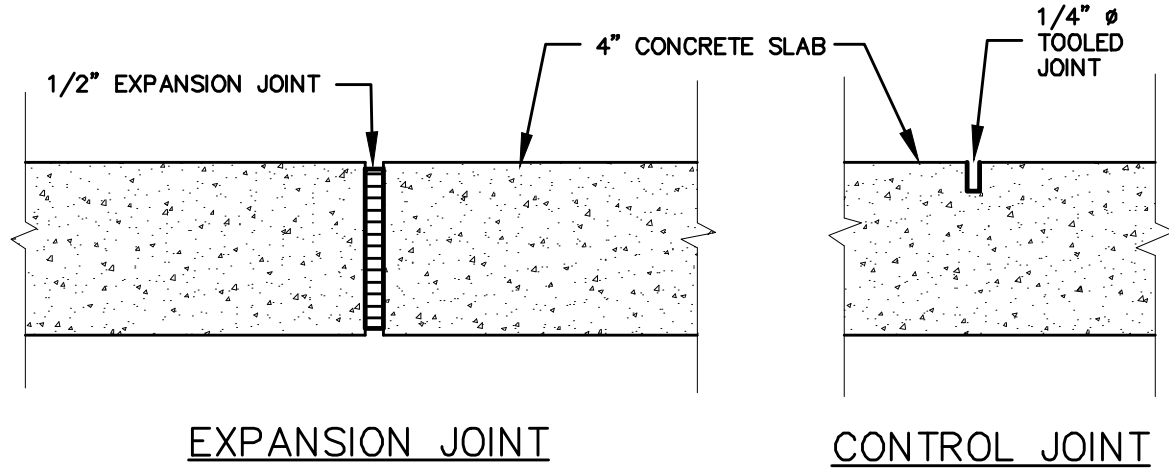
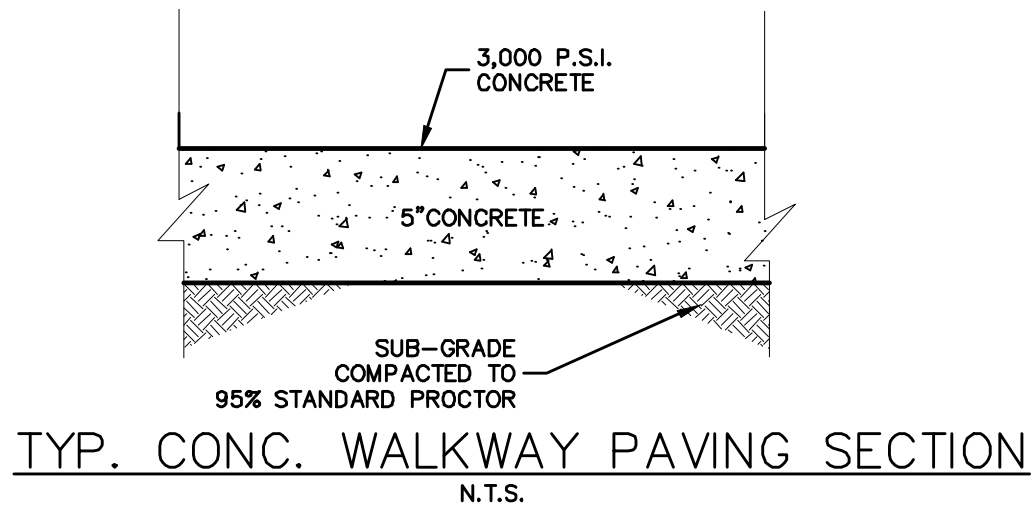
P.O. BOX 102, MACON, GEORGIA 31202
PHONE: (478) 746-2010
FAX: (478) 746-2010
WWW.WIDNER-ASSOC.COM

DETAILS FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE

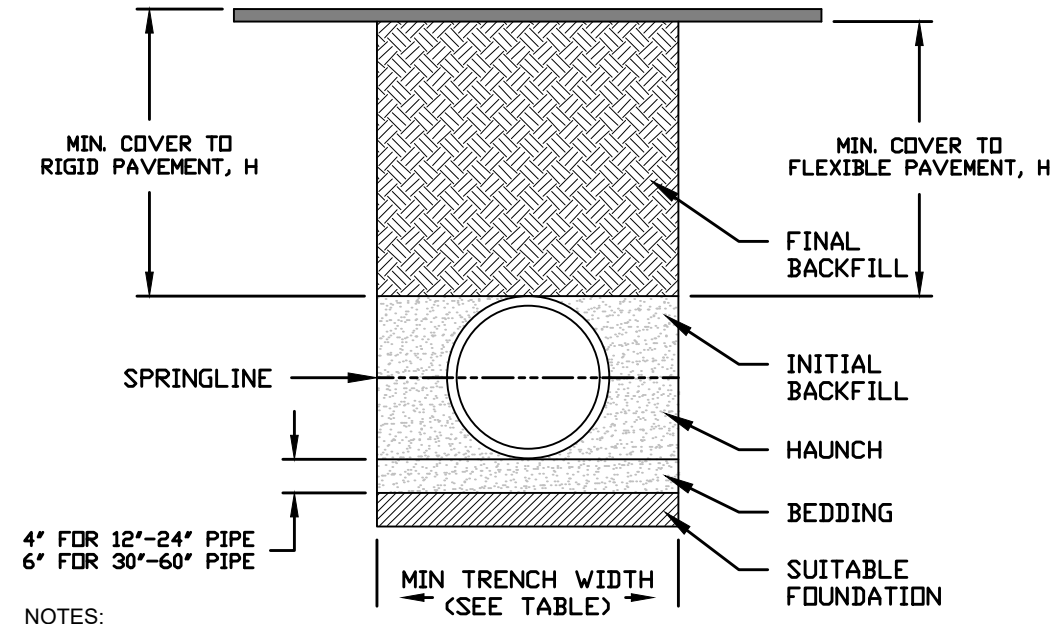
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A

DATE:
09/26/2025
DRAWN BY:
JAP
CHECKED BY:
WTW
PROJECT #:
9999-013

SHEET
C-13
SCALE:
N/A
APPROV.



TYPICAL SIDEWALK JOINT DETAILS
N.T.S.



- 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 ADDITION, 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 IVB 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"

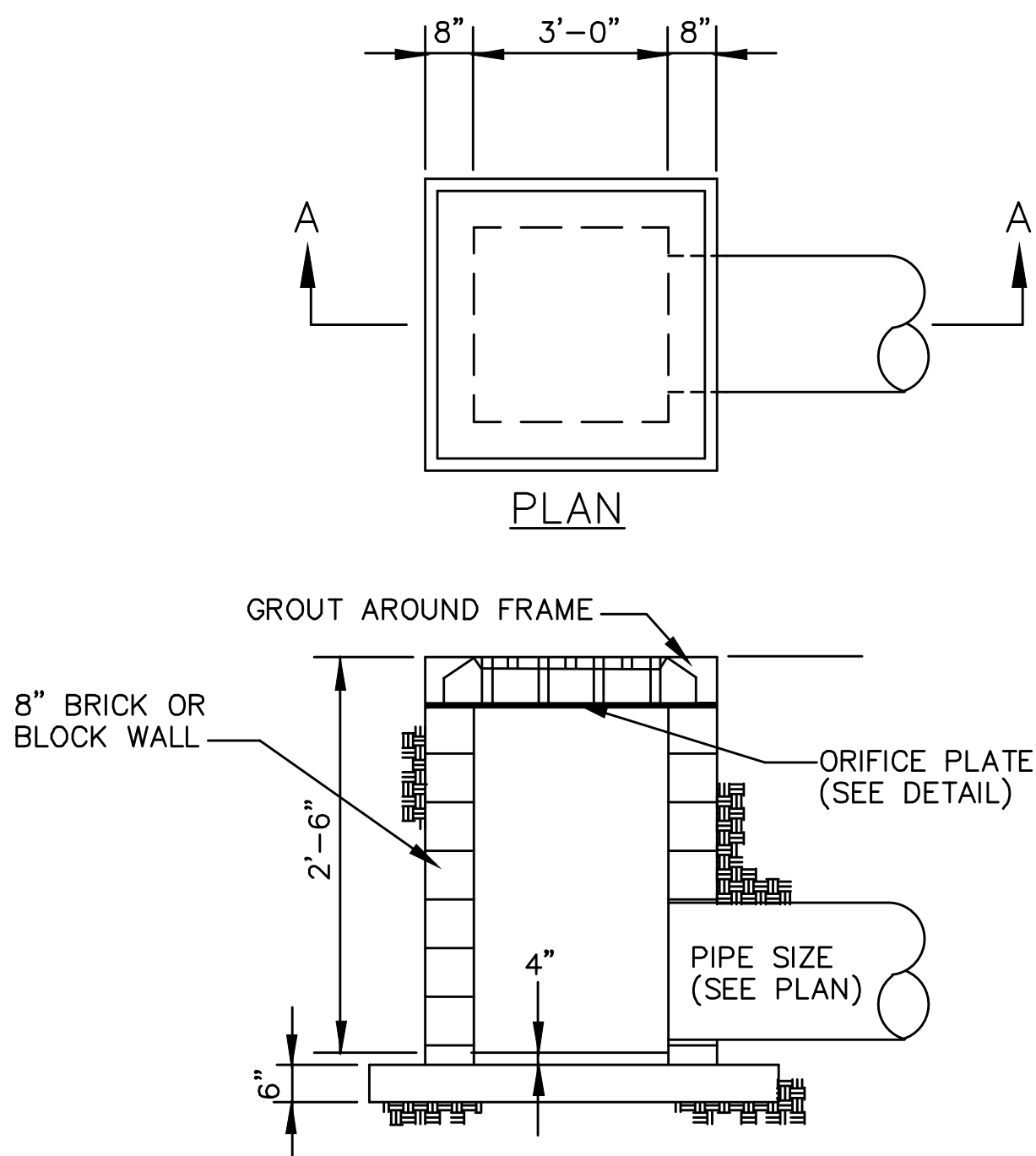
TABLE 2. MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

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

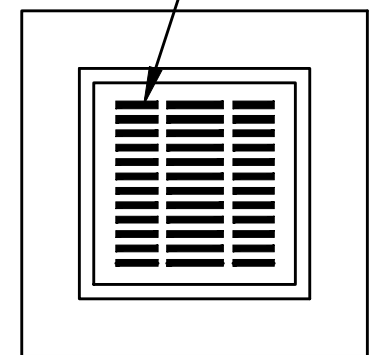
PIPE BEDDING DETAIL

N.T.S.

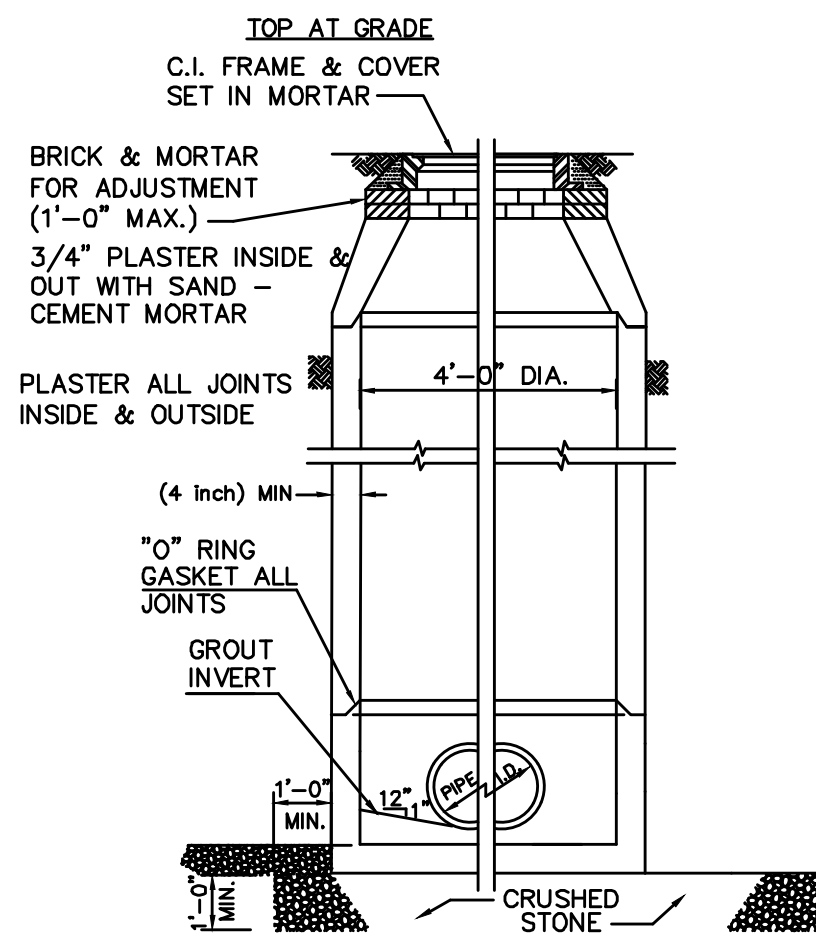


TYP. CATCH BASIN DETAIL
N.T.S.

C.I. FRAME & GRATE
NEENAH R1879-A9G
OR EQUAL



CATCH BASIN LID



PRECAST CONCRETE MANHOLE

N.T.S.

STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME DRAWING #

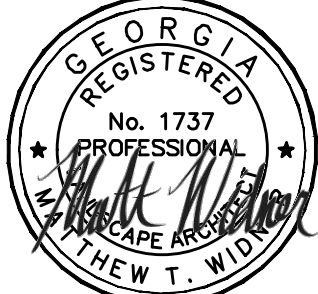
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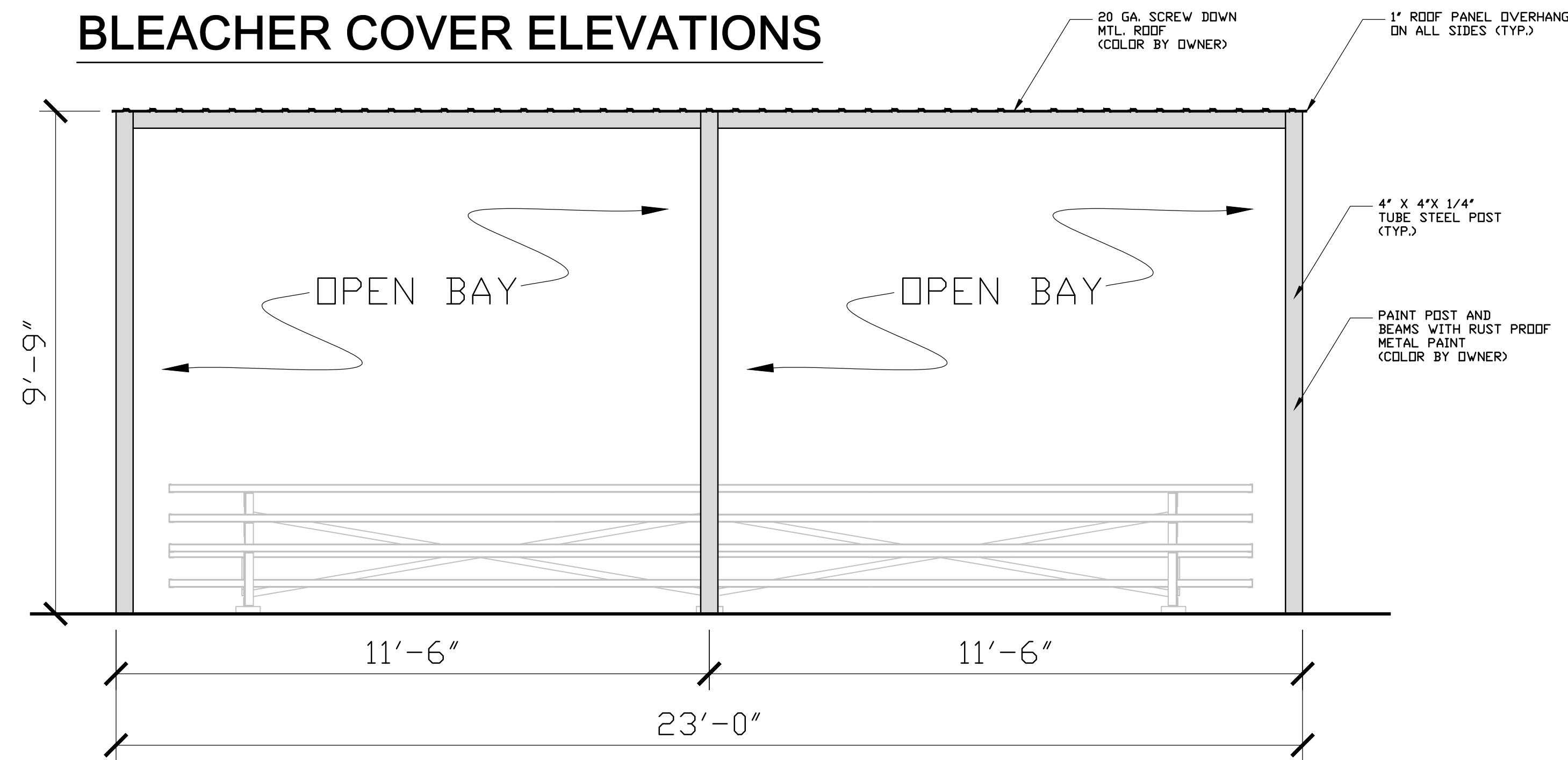
P.O. BOX 102 MACON, GEORGIA 31202
PHONE: (478) 746-2010
FAX: (478) 746-2010
EMAIL: info@widner-assoc.com
WEBSITE: www.widner-assoc.com

DETAILS FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A

DATE:
09/26/2025
DRAWN BY:
JAP
CHECKED BY:
WTW
PROJECT #:
9999-013

SHEET
C-15
SCALE:
N/A
APPROV.

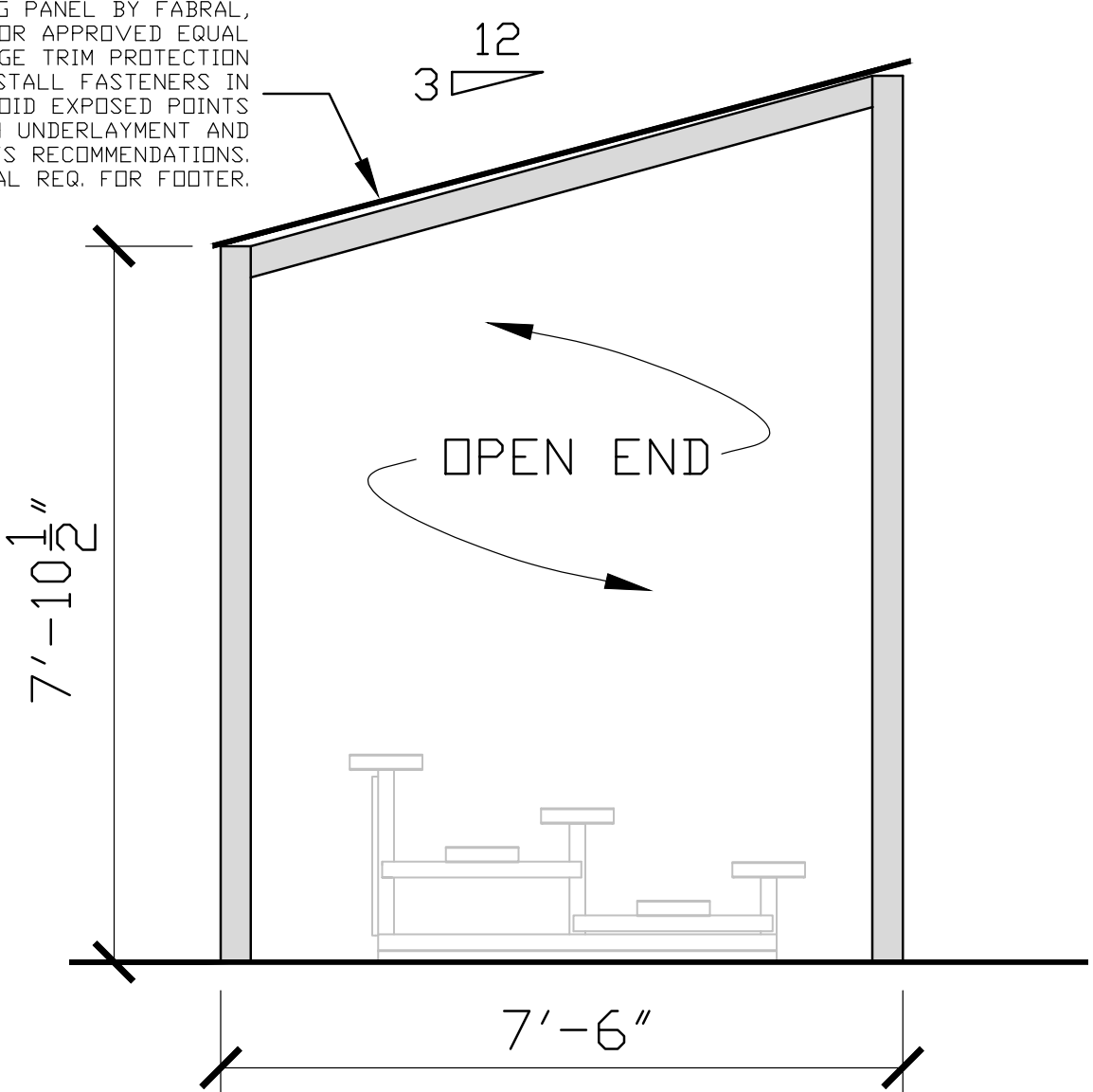
BLEACHER COVER ELEVATIONS



FRONT ELEVATION

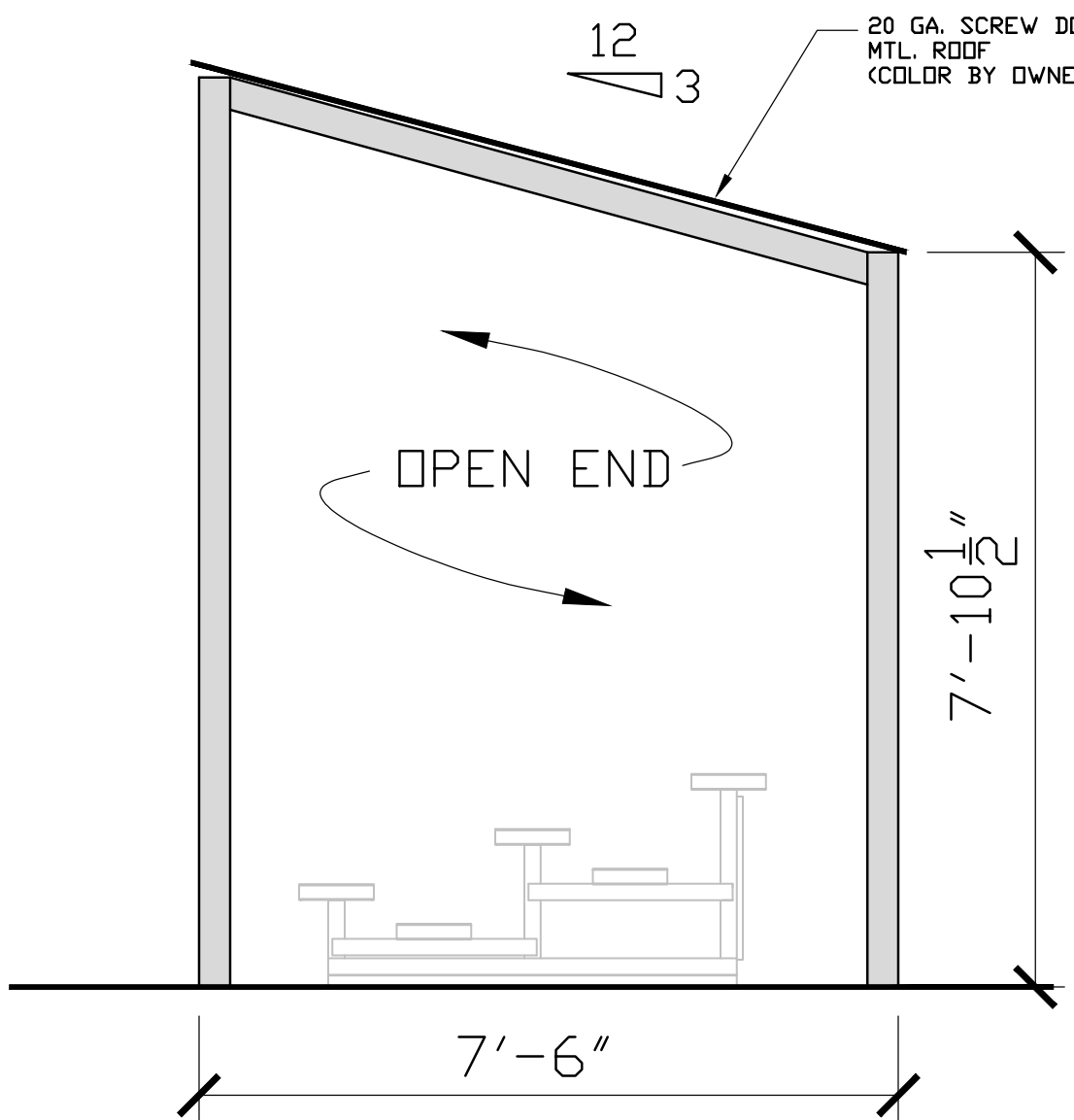
SCALE: 1/2" = 1'-0"

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 FOOTER.



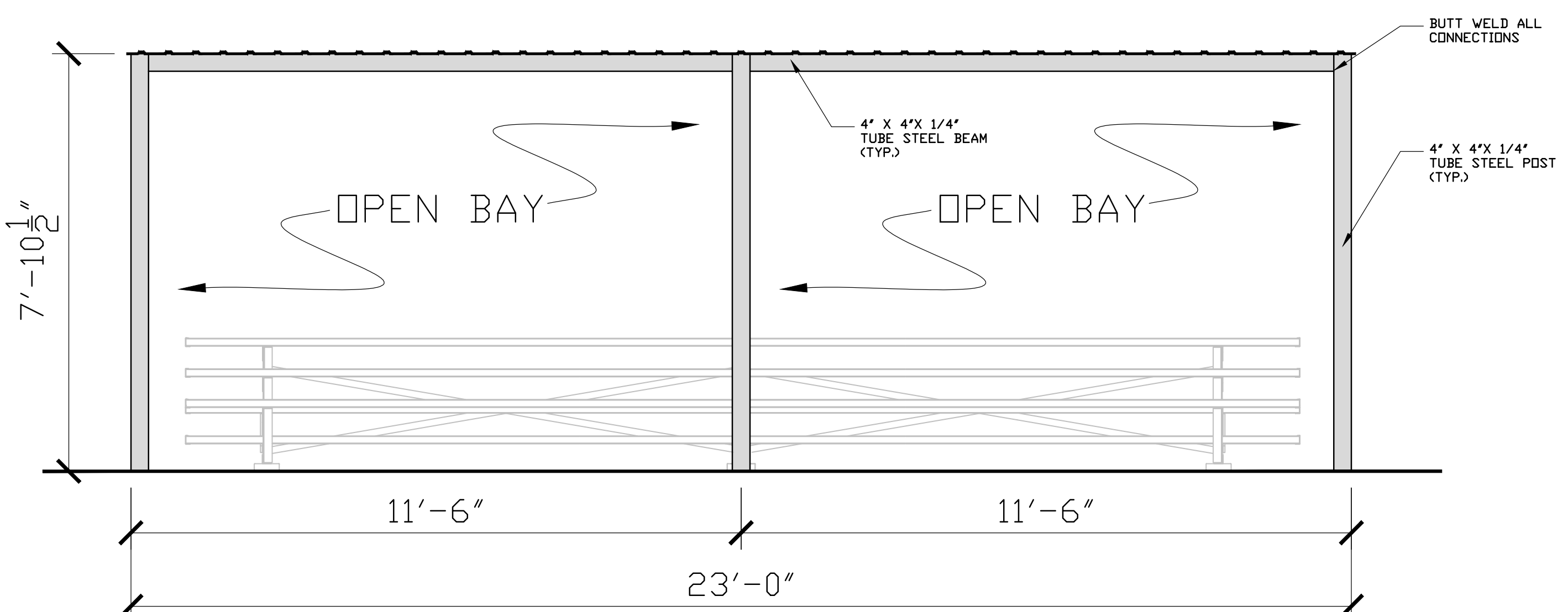
LEFT ELEVATION

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



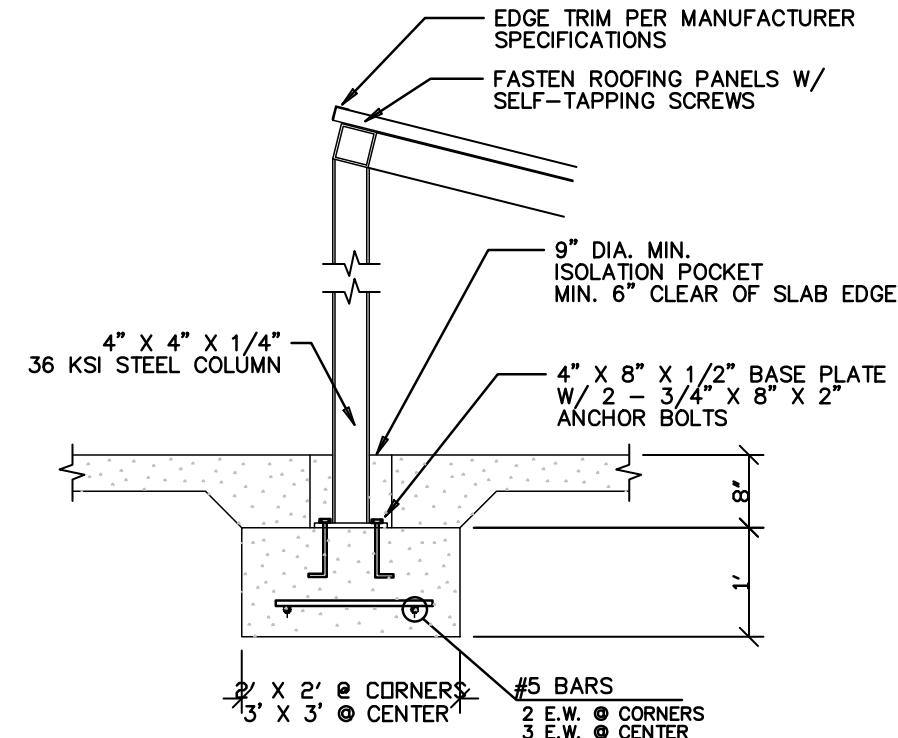
RIGHT ELEVATION

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



REAR ELEVATION

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



COLUMN FOOTING

BLEACHER COVER SECTION

N.T.S.

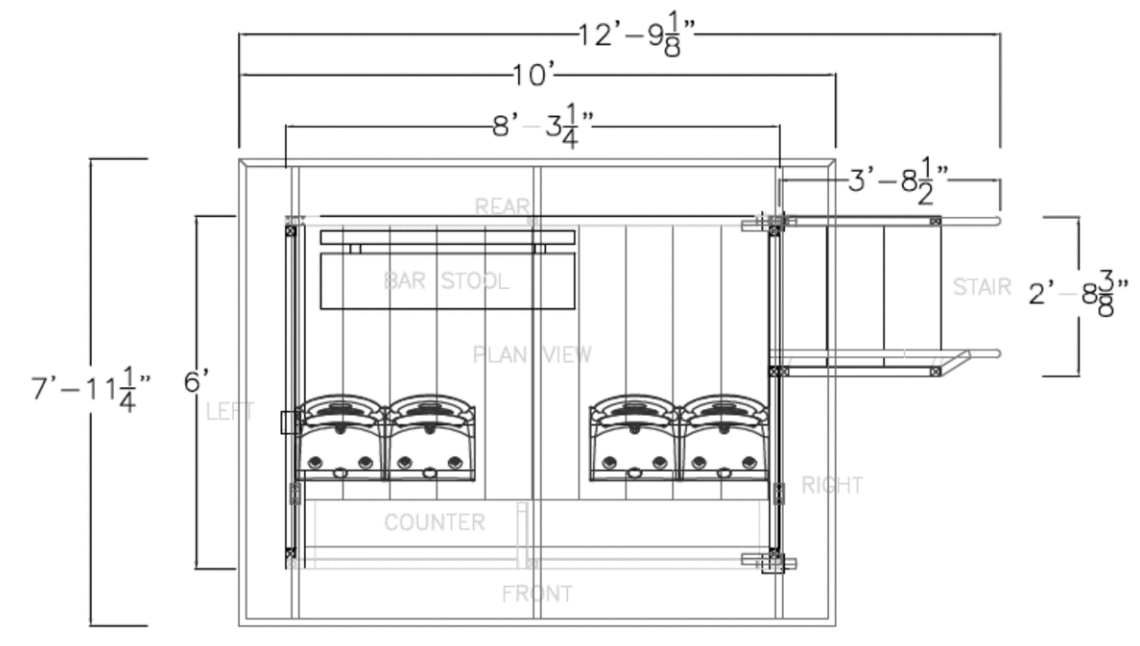
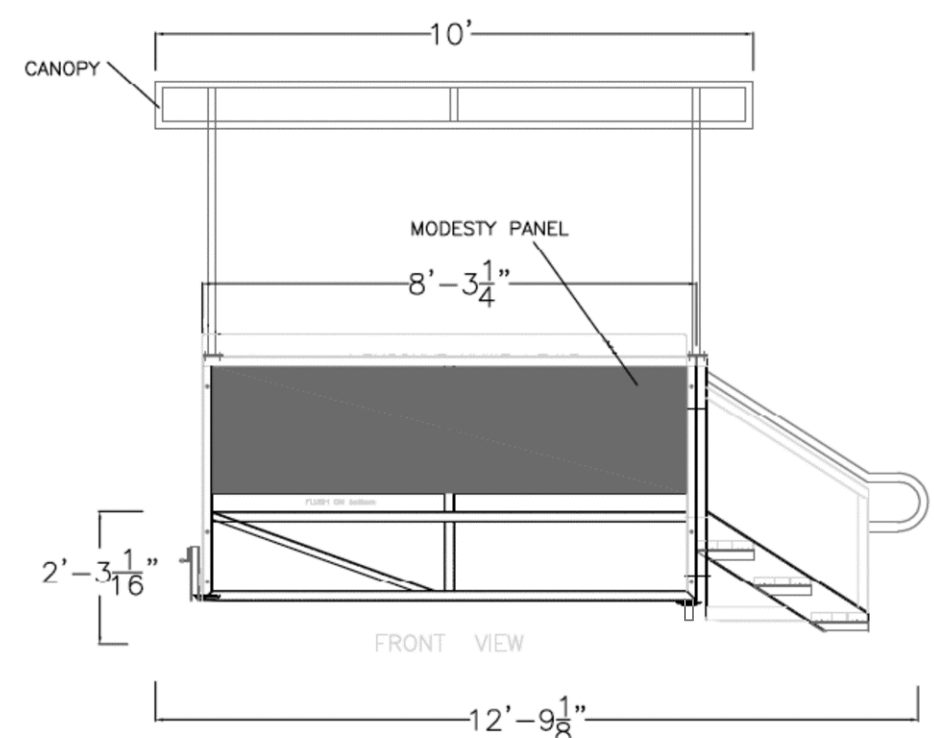
NOTE: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURAL COMPONENTS OF VERTICAL WORK TO ACCOMPANY THE DETAILS PROVIDED.

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



PREFABRICATED SCORER'S BOX

NTS
VENDOR: SEATING SOLUTIONS
PHONE: 631-845-0449
(OR EQUAL)

REVISIONS:

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

WIDNER & ASSOCIATES
35th ANNIVERSARY 1990-2025

LEVEL II CERTIFICATION
GSWCC # 57461

GEORGIA REGISTERED
No. 1737
PROFESSIONAL
ENGINEER
MICHAEL T. WIDNER

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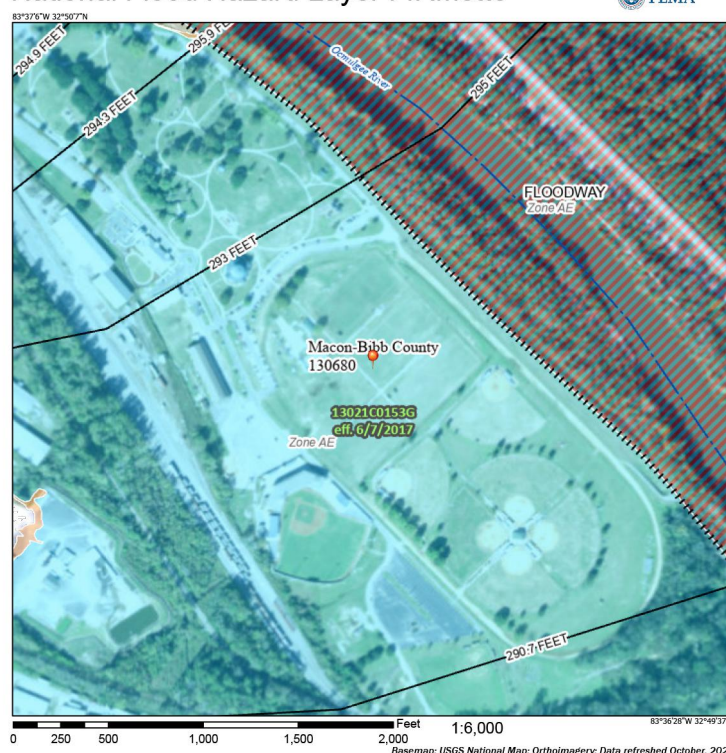
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EMAIL: widner@widner-assoc.com
WWW.WIDNER-ASSOC.COM

DETAILS FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A

DATE: 09/26/2025
DRAWN BY: FRH
CHECKED BY: WTW
PROJECT #: 9999-013

SHEET C-16
SCALE: AS SHOWN
APPROV.

National Flood Hazard Layer FIRMette



PER THE CONDITIONS SET FORTH IN THE GENERAL NPDES PERMIT NO. GAR100001 PART III SPECIAL CONDITIONS, MANAGEMENT PRACTICES, PERMIT VIOLATIONS AND OTHER LIMITATIONS C. Discharges into, or within One Mile Upstream of and within the Same Watershed as, Any Portion of a State Impaired Stream Segment. Any permittee who intends to obtain coverage under this permit for stormwater discharges associated with construction activity into an Impaired Stream Segment, or within one (1) linear mile upstream of and within the same watershed as, any portion of an Impaired Stream Segment identified as "not supporting" its designated use(s), as shown on Georgia's most current "305(b)/303(c) List Documents (Approved)" at the time of NOI submittal, must satisfy the requirements of Part III.C. of this permit if the Impaired Stream Segment has been listed for criteria violations/cause, Bio F (Impaired Fish Community) and/or Bio M (Impaired Macroinvertebrate Community), within Category 4a, 4b or 5, and the potential cause is either NP (nonpoint source) or UR (urban runoff). Those discharges that are located within one (1) linear mile of an Impaired Stream Segment, but are not located within the watershed of any portion of that stream segment, are excluded from this requirement. Georgia's "305(b)/303(c) List Documents (Approved)" can be viewed on the EPD website.

In order to ensure that the permittee's discharge(s) do not cause or contribute to a violation of State water quality standards, the Plan must include at least four (4) of the following best management practices (BMPs) for those areas of the site which discharge into or within one (1) linear mile upstream and within the same watershed as the Impaired Stream Segment:

- During all construction activities as defined in this permit, double the width of the 25 foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width pursuant to this condition.
- Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction stormwater (including sheet flow) may be discharged. Mulch filter berms cannot be placed in roadways or areas of concentrated flow.
- Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever construction stormwater (including sheetflow) may be discharged.
- Conduct soil tests to identify and to implement site-specific fertilizer needs. Certified personnel shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a.(3)(a)-(c) of this permit.
- Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project by the design professional who prepared the Plan in accordance with Part IV.A.5. of the permit.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS GAR100001

SWDC: Project Name: Central City Park - Softball Field 2 Address: 150 Willie Smoke Glover Drive
Local Issuing Authority: Macon-Bibb County Date on Plans: September 26, 2025
Name & Email of person filling out checklist: Matt Widner: mwidner@wider.com

TO BE SHOWN ON ESB+ PLAN

Item	Yes	No
1. 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.		
2. The completed Checklist (must be submitted with the ESB+ Plan or the Plan will not be reviewed. Permit IV.D.3, pg 27)		
3. Level I certification number issued by the Commission, signature and seal of the certified design professional.		
4. Signature, seal and Level I number (must be on each sheet pertaining to ESB+ Plan or the Plan will not be reviewed. The Level I certification fee must be in the Design Professional's check, after completion of a 30-day approved course, and return signature and seal on the Plan.		
5. Limits of disturbance shall be less than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan shall include the GAEPD approved letter and completed Appendix 1 of the checklist with all 4 of the chosen BMPs.		
6. A copy of the written approval by GAEPD (must be attached to the Plan for the Plan to be reviewed. Permit IV.D.3, pg 28)		
7. The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.		
8. Provide the name, address, email address, and phone number of Primary Permittee.		
9. Note total and detailed acreages of the project or phase under construction.		
10. Provide the GPS location of the construction site for the site. Give the Latitude and Longitude in decimal degrees.		
11. Description of the nature of construction activity and existing site conditions.		
12. Provide vicinity map showing the site's relation to surrounding areas. Include description of specific phase, if necessary.		
13. Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, wetland areas, wetlands, marshlands, etc. which may be affected.		
14. Design professional's certification statement and signature that the site was visited prior to development of the ESB+ Plan as stated on Part IV page 28 of the permit.		
15. Design professional's certification statement and signature that the Permittee's ESB+ Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 28 of the permit.		
16. Clearly note the statement that "The design professional who prepared the ESB+ Plan is in receipt and certify the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."		
17. 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 peak of watershed vegetation or within 25-foot of the coastal marshland buffer as measured from the Jurisdictional Determination line without first acquiring the necessary variances and permits."		
18. Provide a description of any buffer encroachments and indicate whether a buffer variance is required.		
19. Clearly note the statement that "Amendments/revisions to the ESB+ Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."		
20. Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."		
21. Clearly note the 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."		
22. 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."		
23. Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."		
24. Any construction activity which discharges storm water into a State Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as any portion of a State Impaired Stream Segment, must comply with Part III.C. of the permit. Include the completed Appendix 1 of the checklist with all 4 of the chosen BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment."		
25. If a TMDL Implementation Plan for sediment has been finalized for the State Impaired Stream Segment identified in item 22 above) at least six months prior to substantial NCO, the ESB+ Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan."		
26. BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Include statement that washout of the drum at the construction site is prohibited."		
27. Provide BMPs for the remediation of all petroleum spills and leaks.		
28. 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."		
29. Description of practices to provide cover for building materials and building products on site."		
30. Description of the practices that will be used to reduce the pollutants in storm water discharges."		
31. Description and detail of location of the intended exposure of major activities which include work on the major portion of the site i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, grading, infrastructure, temporary and final stabilization."		
32. Provide complete requirements of Inspections and record keeping by the Primary Permittee."		
33. Provide complete requirements of Sampling Frequency and Spacing of sampling results."		
34. Provide complete details for Stationing of Sediment on per Part IV.F. of the permit."		
35. Description of analytical methods to be used to collect and analyze the samples from each location."		
36. Appendix B rationale for NTU values at all outlet sampling points using the appropriate."		
37. Describe all sampling locations on all phases of the Plan, and perimeter and intermediate streams and other water bodies into which storm water is discharged."		
38. 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 sediment storage requirements and initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all BMPs into a single phase plan."		
39. Graphic scale and North arrow.		
40. Grading and proposed contour lines with contour lines drawn at 10' intervals in accordance with the following:		
Map Scale:	Contour Interval:	
1 inch = 100' or larger scale	Final 0-2' Rating 2-3' Slope 3%+ 0.5 ft 1 in 2 2.5 ft 10'	
41. 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 GAEPD or the Georgia Soil and Water Conservation Commission). Refer to the Alternative BMP Guidance Document found at www.grower-georgia.gov		
42. Use of Alternative BMP for application to the Equivalent BMP List. Refer to Appendix A.2 of the Manual for Erosion and Sediment Control in Georgia 2016 Edition."		
43. Delimitation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State Waters and any additional buffers as required by the Local Issuing Authority. Clearly note and delineate all areas of riparian."		
44. Delineation of all State Waters and wetlands located on or within 200' of the project site.		
45. Delineation and acreage of contributing drainage basins on the project site.		
46. Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions."		
47. Estimate of the runoff coefficient or peak discharge for the site prior to and after construction activities are completed. For solar farm projects, post-construction impervious area shall be calculated as 70% of total water covered surface footage.		
48. Stormwater pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify Culverts at all storm water discharge points.		
49. Soil series for the project site and their delineation.		
50. The limits of disturbance for each phase of construction.		
51. Provide a minimum of 10' wide vertical of sediment storage per acre disturbed using a temporary sediment basin, stabilized detention pond, and/or advanced inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities and final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls where a sediment basin is not attainable 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 10' wide vertical of storage is not attainable must also be given. Worksheets on the Manual must be included for equivalent BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, Permittees are required to utilize silt catch structures that withdraw water from the surface, unless infeasible. If silt catch structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.		
52. Location of Best Management Practices that are consistent with, and no less stringent than, the Manual for Erosion and Sediment Control in Georgia. Use when coding practices from the Manual Chapter 14, Sub-Chapter."		
53. Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines and both in the Manual for Erosion and Sediment Control in Georgia.		
54. Provide negative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plans shall be site specific for appropriate time of year that seedling will take place and for the appropriate geographic region of Georgia.		

* If using this checklist for a project that is 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, 2025

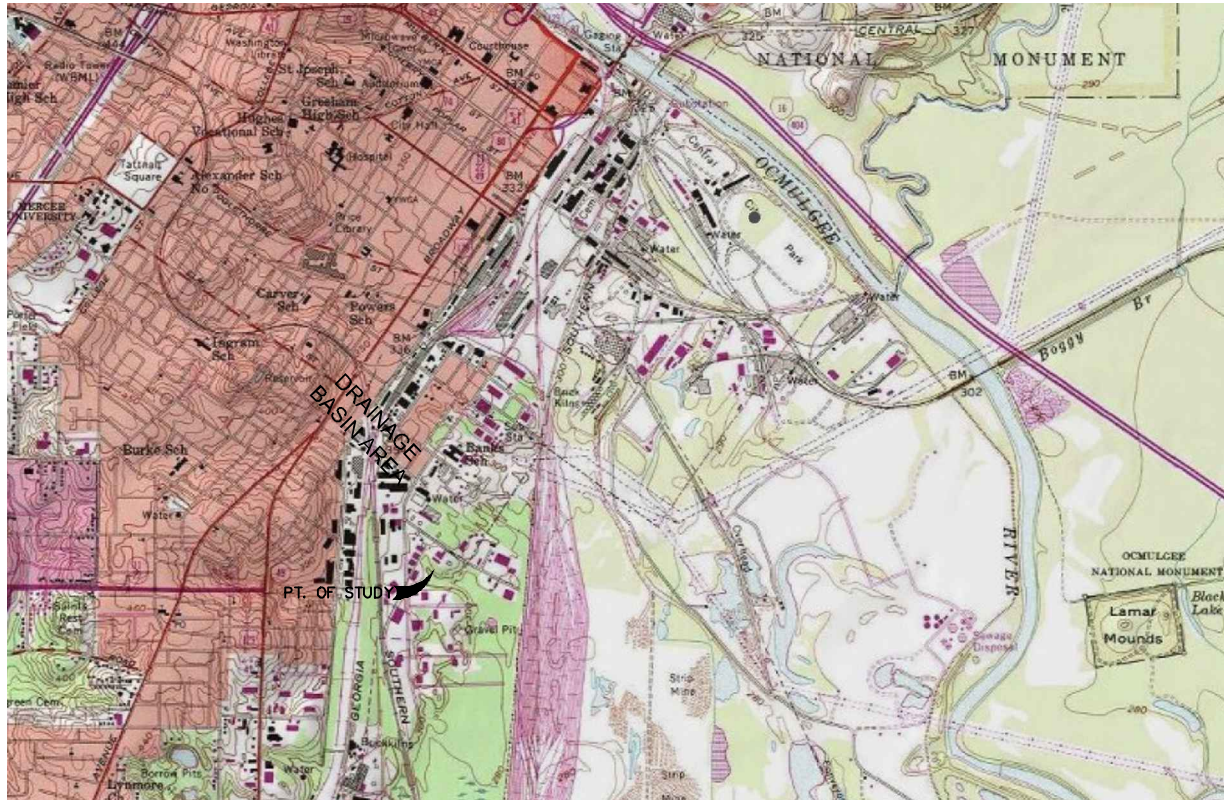
SEEDING RATES FOR TEMPORARY SEEDINGS				
Species	Rate Per 1,000 sq. ft.	Rate Per 1,000 Acres	Planting Date	Coastal
Rye	3 lbs.	2-3 bu.	9/1-1/1	10/1-3/1
Ryegrass	1 lb.	40-50 lbs.	8/15-1/1	8/15-3/1
Rye and Annual	1 1/2 lbs.	1-1 1/2 bu.	3/1-4/1	2/1-3/1
Lespedeza	-	20-25 lbs.	3/1-4/1	-
Weeping	0.2 lbs.	4-6 lbs.	3/1-8/15	2/15-8/15
Lowgrass	1 lb.	35-45 lbs.	4/1-7/15	4/1-7/15
Sudangrass	-	30-40 lbs.	4/1-7/15	4/1-7/15
Browntop	1 lb.	-	10/15-1/1	11/1-7/15
Millet	3 lbs.	2-3 lbs.	10/15-1/1	11/1-7/15

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

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

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION OF THE RE-ESTABLISHMENT OF VEGETATION, SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAM.
Cd	CHECKDAM			A SMALL TEMPORARY BARRIER OR DAM CONSTRUCTED ACROSS A SHALE, DRAINAGE DITCH OR AREA OF CONCENTRATED FLOW.
Ch	CHANNEL STABILIZATION			A SMALL TEMPORARY BARRIER OR DAM CONSTRUCTED ACROSS A SHALE, DRAINAGE DITCH OR AREA OF CONCENTRATED FLOW.
Co	CONSTRUCTION EXIT			A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE, USED TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDING MAY NOT BE A FEASIBLE SOIL-BINDING SEASON TO PROVIDE AN EROSION RESISTING COVER.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)			ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDS ON DISTURBED AREAS.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)			ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES OR LEGUMES ON DISTURBED AREAS.
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)			A PERMANENT VEGETATIVE COVER USING SOD ON EROSION-PRONE OR CRITICALLY ERODED LANDS.
Di	DIVERSION			AN EARTH CHANNEL, OR ONE LOCATED ABOVE, BELOW, OR ACROSS A SLOPE TO DIVERT RUNOFF. THIS IS TEMPORARY AND NON-STRUCTURAL.
Du	DUST CONTROL ON DISTURBED AREA			CONTROLLING SURFACE AND AIR MOVEMENT, DUST ON CONSTRUCTION SITES, ROADWAYS, AND SIMILAR SITES.
Fr	FILTER RING			A TEMPORARY STONE BARRIER LOCATED AT THE OUTLET OF A DRAIN OR POND OUTLET.
Mb	EROSION CONTROL MATTING AND BLANKETS			INSTALLATION OF A PROTECTIVE COVERING (GLASSMATS OR SOD) OR EROSION CONTROL MATTING OR PREPARED PLANTING AREA OF A STEP-SLOPE CHANNEL, OR SLOPELINE.
Rd	ROCK FILTER DAM			A PERMANENT OR TEMPORARY STONE FILTER DAM INSTALLED ACROSS SMALL STREAMS OR DRAINAGES.
Re	RETAINING WALL			A WALL INSTALLED TO STABILIZE CUT OR FILL SLOPES. THIS IS PERMANENT AND STRUCTURAL.
Rt	RETROFITTING			A DEVICE OR STRUCTURE PLACED IN FRONT OF A PERMANENT STORM WATER OUTLET OR POND OUTLET TO COLLECTIVE TO SERVE AS A TEMPORARY SEDIMENT TRAP.
Sd1	SEDIMENT BARRIER			A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE MADE OF BRUSH, LOGS, OR PILES, GRAVEL, OR A SEDIMENT FENCE. THE BARRIERS ARE USUALLY TEMPORARY AND NON-STRUCTURAL.
Sd2	INLET SEDIMENT TRAP			AN IMPOUNDING AREA CREATED BY EXCAVATING A STORM DRAIN DROP INLET. THE EXCAVATED AREA WILL BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITIES.
Sd3	TEMPORARY SEDIMENT BASIN			A BASIN CREATED BY EXCAVATION OF A DAM ACROSS A WATERWAY. THE SURFACE WATER RUNOFF IS COLLECTED IN THE BASIN AND THE BULK OF THE SEDIMENT TO DROP OUT.
St	STORM DRAIN OUTLET PROTECTION			A PADDED OR SHORT SECTION OF RPP 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 ROUGHENED CONDITION AFTER GRADING.
Vt	VEGETATED WATERWAY OR STORM WATER CONVEYANCE CHANNEL			PAVED OR VEGETATED WATER OUTLETS FOR OVERSPILLS, TERRACES, BERM, DITCHES, OR SIMILAR STRUCTURES.



USGS DRAINAGE MAP N.T.S.
SCALE=1:24000 OR MORE DETAILED

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 D448 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: "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 ensure 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 for Erosion and Sediment Control in Georgia" (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of the receiving water(s) 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. GAR100001."

Matthew Widner
(signature)

September 27, 2025
(date)

GSWCC # 87461
EXPIRING 02/05/2026

24 HR. CONTACT:
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150 WILLIE SMOKE GLOVER DRIVE
MACON, GA. 31201
PHONE: 478-621-6279
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PRIMARY PERMITTEE:
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COMPANY:

ADDRESS:

PHONE:
EMAIL:
*CONTRACT TO COMPLETE ABOVE INFO. BEFORE COMMENCEMENT OF WORK

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 SODDED WITH THE FOLLOWING:
10 LB/ACRE RYE GRASS MIXED WITH 40 LB/ACRE OF UNHULLED COMMON BERMUDA 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 ESB+ 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 WRESTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSH-LAND BUFFERED 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 #13021C0163Q DATED: 08/07/2017

NOTE: WATER FROM THIS SITE FLOWS SOUTH INTO AN UNNAMED TRIBUTARY OF WALKER SWAMP, SAID TRIBUTARY FLOWS TO WALKER LAKES. WALKER LAKES FLOW INTO OCMULGEE RIVER.

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

SOILS CHART
CONGAREE SILT
Co 0 TO 2 PERCENT SLOPES, CONGAREE SILT LOAM

NOTE: THE ESB+ 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 ESB+ 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.

TOTAL PARCEL AREA: 120 ACRES
DISTURBED: 2.90 ACRES
DRAINAGE BASIN AREA: 2.90 ACRES (ALL AREAS STABILIZED EXCEPT THE DISTURBED 2.90 ACRES FOR THIS PROJECT)
APPENDIX B RATIONALE: 75

STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME DRAWING #

REVISIONS:

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LEVEL II CERTIFICATION
GSWCC # 87461



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

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NOTES FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A

DATE: 09/26/2025
DRAWN BY: JAP
CHECKED BY: WTW
PROJECT #: 9999-013
SHEET C-17
SCALE: N/A
APPROV.



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

2" Irrigation Water Meter. System Requires 95 GPM @ 85 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.

6" IR Bore/Sleeve

Approximate Irrigation Controller Location. Owner's Representative Shall Pinpoint Exact Location at Site (near existing electrical panel). Irrigation Contractor Shall Hardwire 120 VAC Power to Controller.

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 EXTRANEIOUS 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.
- CONTROL 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 CURB 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).

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 DBRY-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).

IRRIGATION LEGEND

2" IRRIGATION WATER METER SYSTEM REQUIRES 95 GPM AT 85 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.

WATTS #LF909-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-PED-SS. 50 STATION, 2-WIRE/DECODER BASED MODULAR CONTROLLER, FOUR PROGRAMS, STAINLESS STEEL, PEDESTAL 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 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 #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: 3" 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. 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.

TWO-WIRE CABLE PATH FROM CONTROLLER TO IRRIGATION MAINLINE (INSTALLED IN 1-1/2" ELECTRICAL CONDUIT).

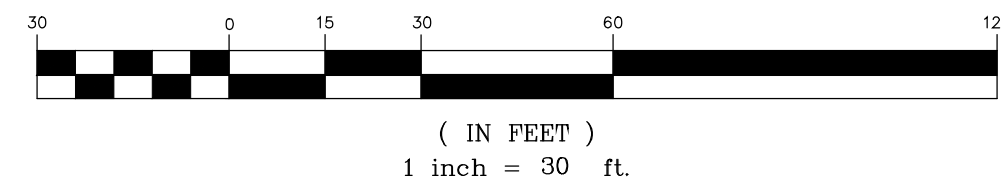
RAIN BIRD LSP-1 TWO-WIRE SURGE ARRESTOR. INSTALLED A MINIMUM OF EVERY 300' OR EVER 6 DECODERS, WHICHEVER IS SHORTER. DETAIL-G.

TYPICAL VALVE INDICATOR

28.5
10
1 1/2

GALLONS PER MIN.
STATION NUMBER
VALVE SIZE

GRAPHIC SCALE



STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME DRAWING #

REVISIONS:

- 1.
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THESE DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS THE SEAL ON THIS PAGE IS SIGNED IN BLUE INK.



LEVEL II CERTIFICATION
GSWCC # 87461



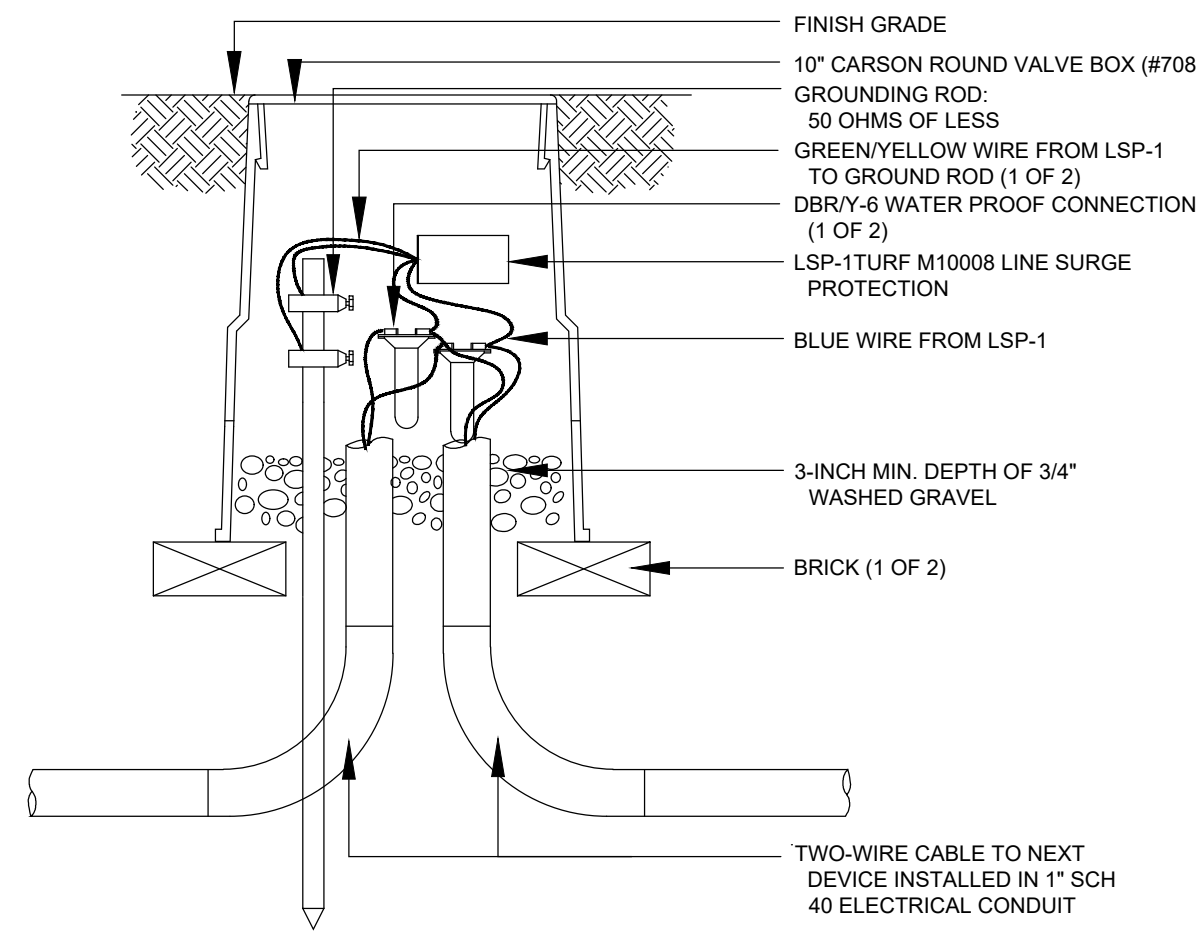
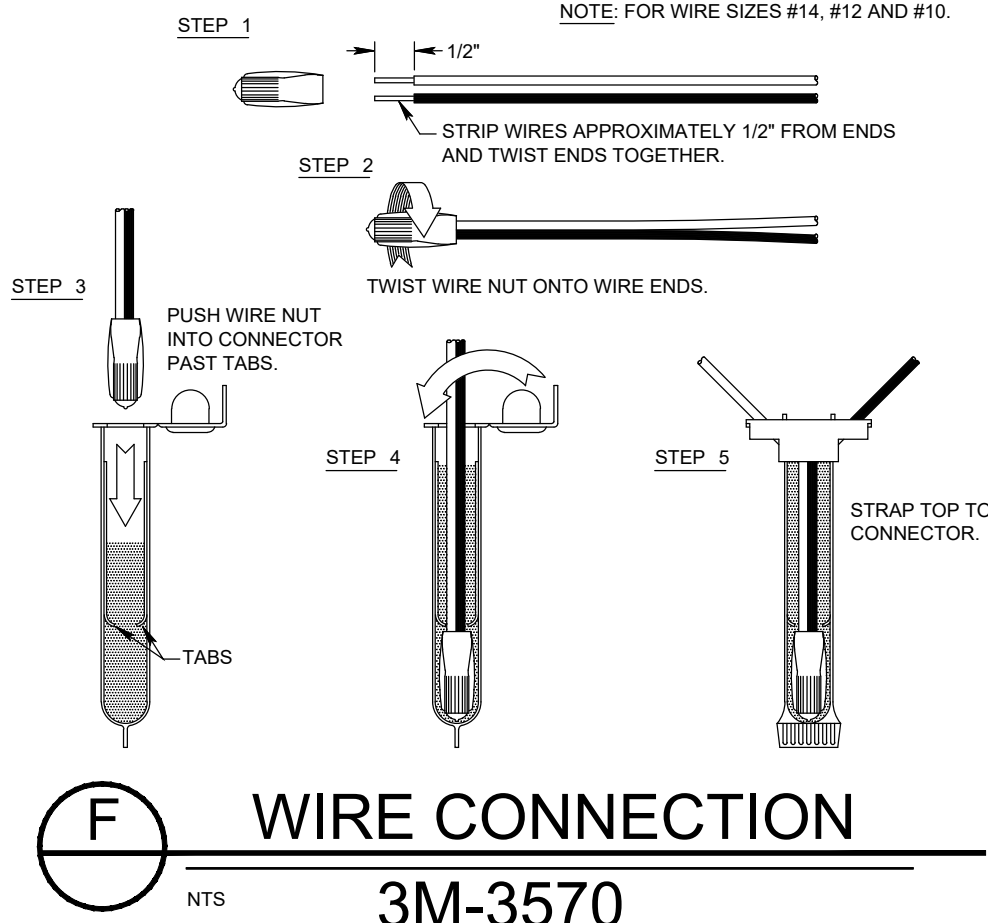
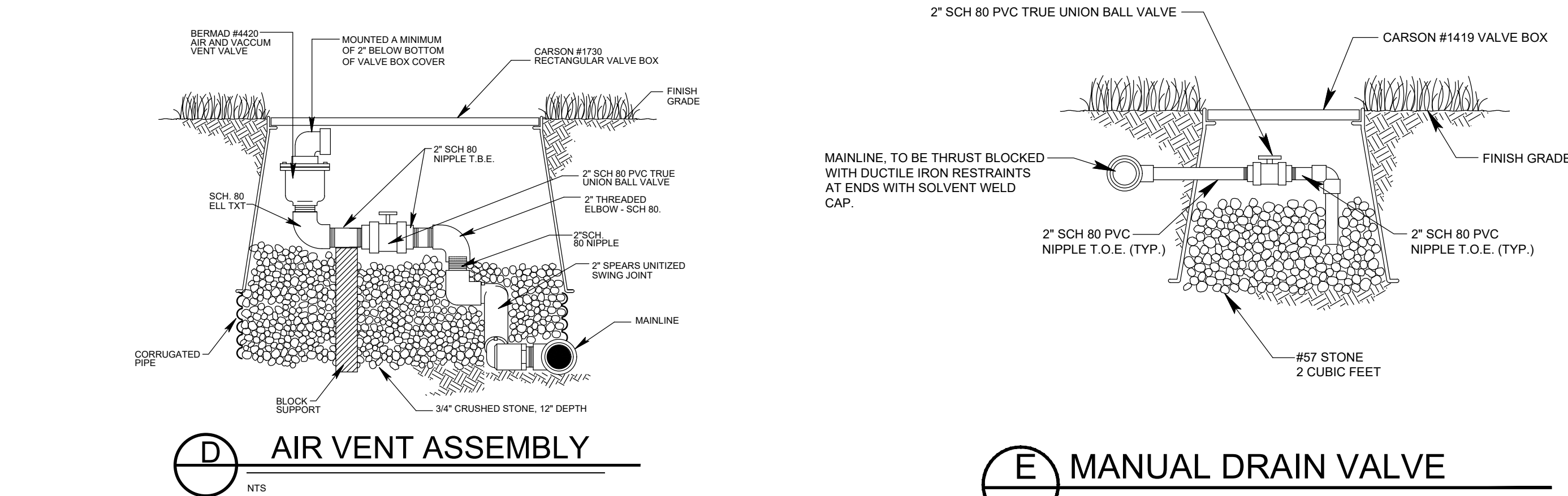
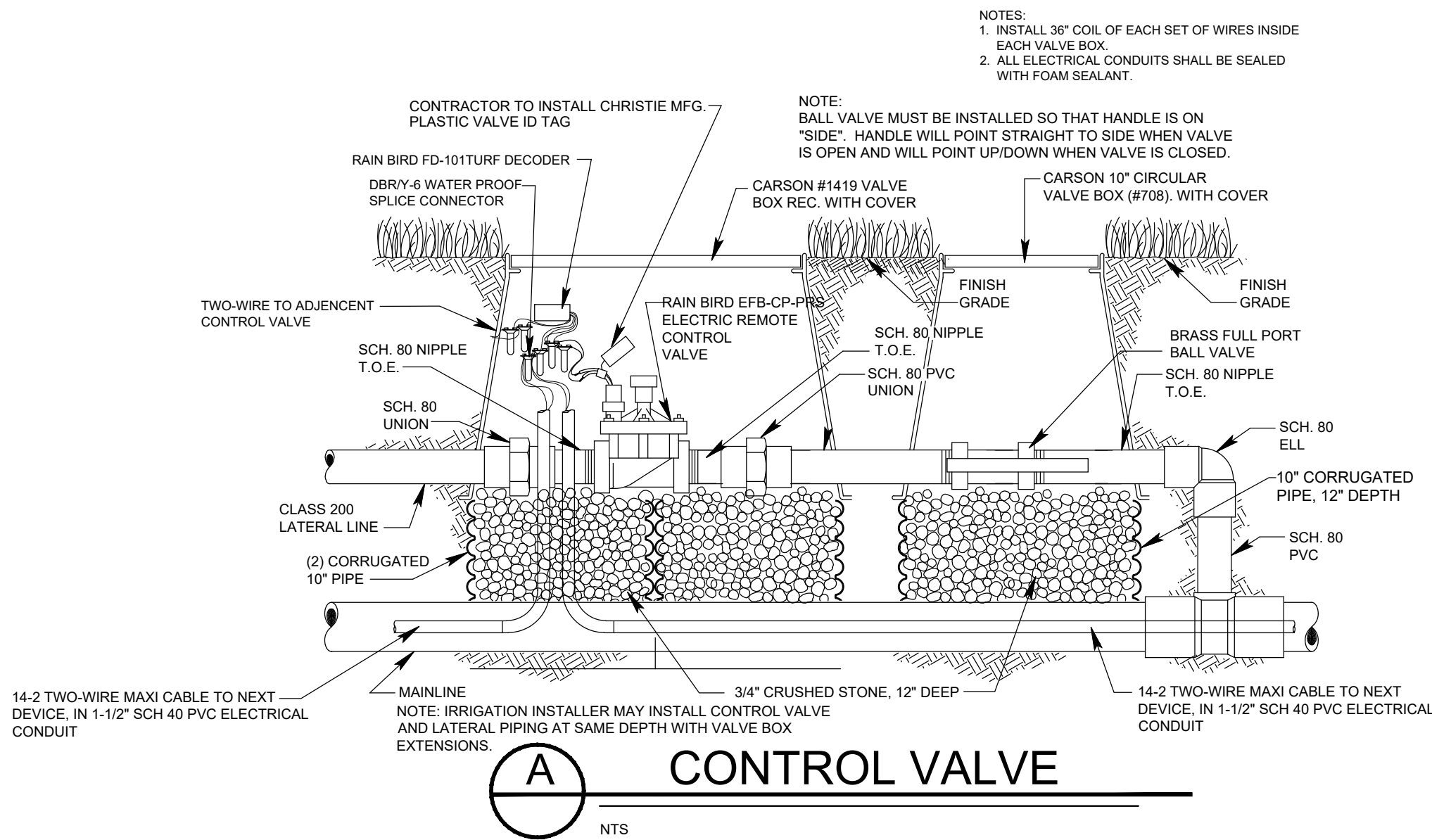
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IRRIGATION PLAN FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A

DATE:
09/26/2025
DRAWN BY:
ICS
CHECKED BY:
WTW
PROJECT #:
9999-013

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



- 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 EXTRANEIOUS 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 CURB 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 CONTROL STATION TO THE CONTROL VALVE NUMBER FOR EACH CONTROLLER. TO BE LOCATED IN ADHESIVE POUCH ATTACHED INSIDE OF CONTROLLER(S).

IRRIGATION LEGEND

2" IRRIGATION WATER METER SYSTEM REQUIRES 95 GPM AT 85 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.

WATTS #LF909-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-Q.

RAIN BIRD ESP-LXD-PED-SS. 50 STATION, 2-WIRE/DECODER BASED MODULAR CONTROLLER, FOUR PROGRAMS, STAINLESS STEEL, PEDESTAL 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, 11/2" 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 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 #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, BERHAD #4420, 2" SIZE. DETAIL-D.

MAINLINE PIPE: 3" 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. 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.

TWO-WIRE CABLE PATH FROM CONTROLLER TO IRRIGATION MAINLINE (INSTALLED IN 1-1/2" ELECTRICAL CONDUIT).

RAIN BIRD LSP-1 TWO-WIRE SURGE ARRESTOR. INSTALLED A MINIMUM OF EVERY 300' OR EVER 6 DECODERS, WHICHEVER IS SHORTER. DETAIL-G.

TYPICAL VALVE INDICATOR

28.5	GALLONS PER MIN.
10	STATION NUMBER
1 1/2	VALVE SIZE

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DRAWING NAME DRAWING #

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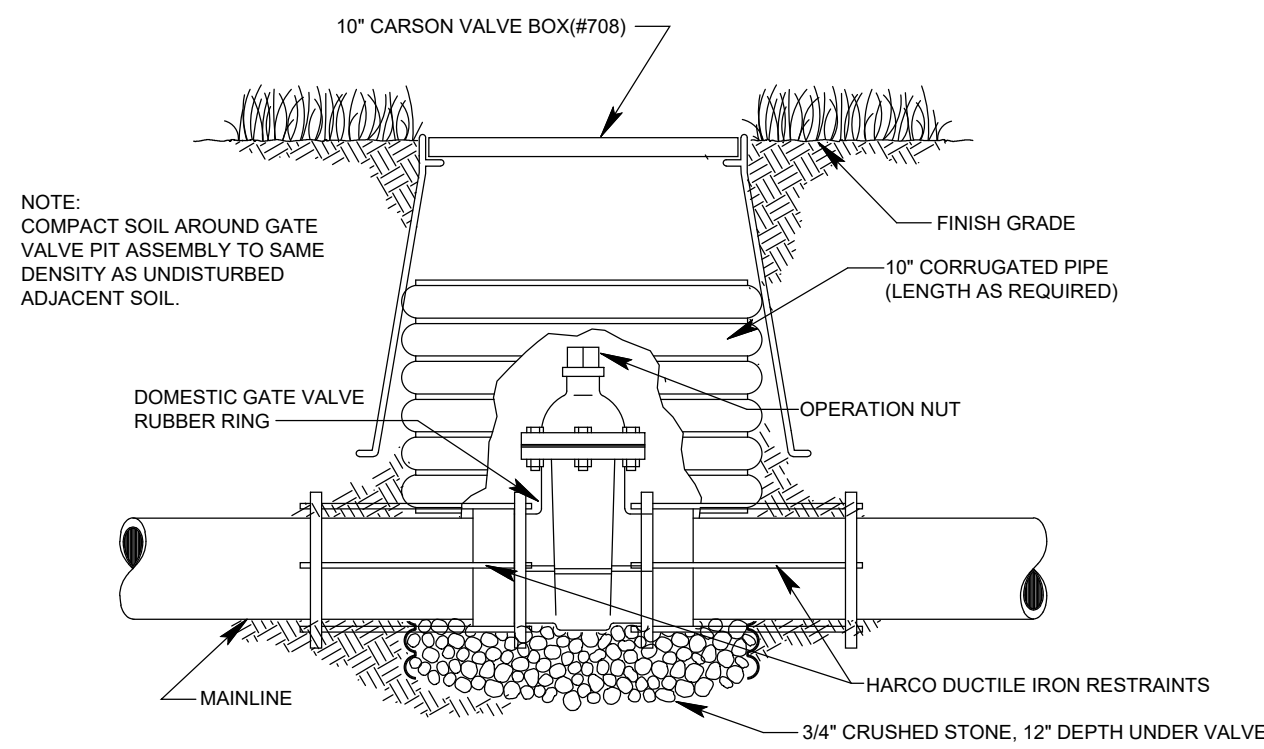
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IRRIGATION DETAILS FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A

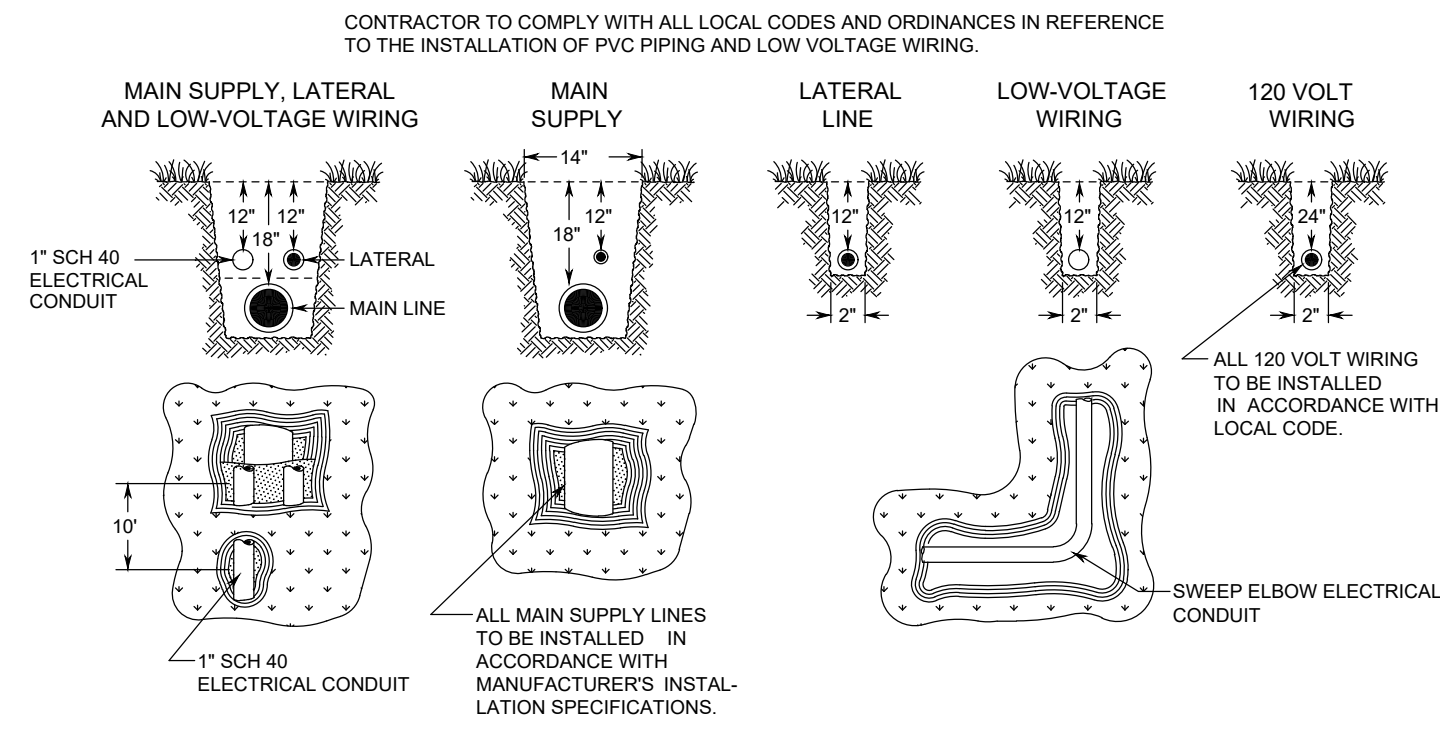
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DRAWN BY: ICS
CHECKED BY: WTW
PROJECT #: 9999-013

SHEET 1-2
SCALE: NTS
APPROV:

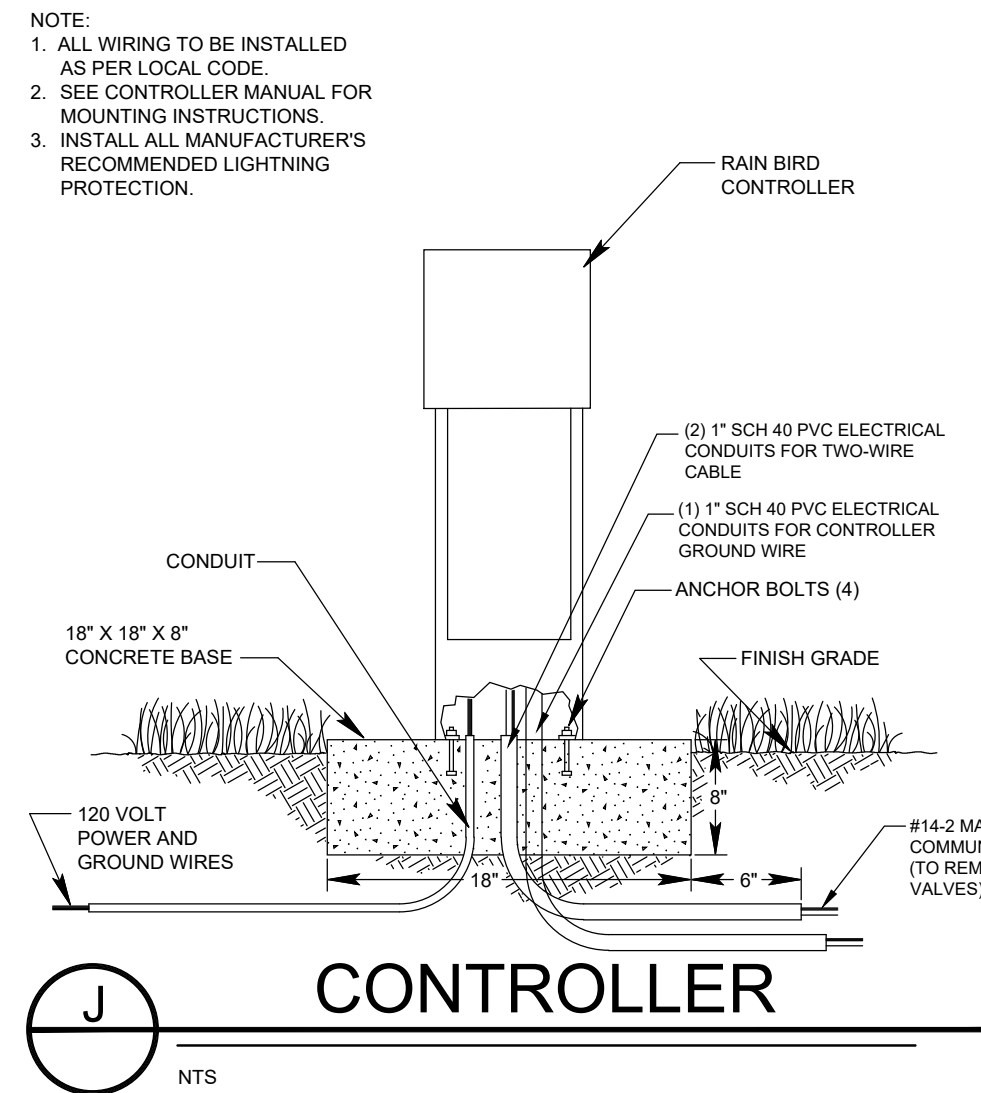




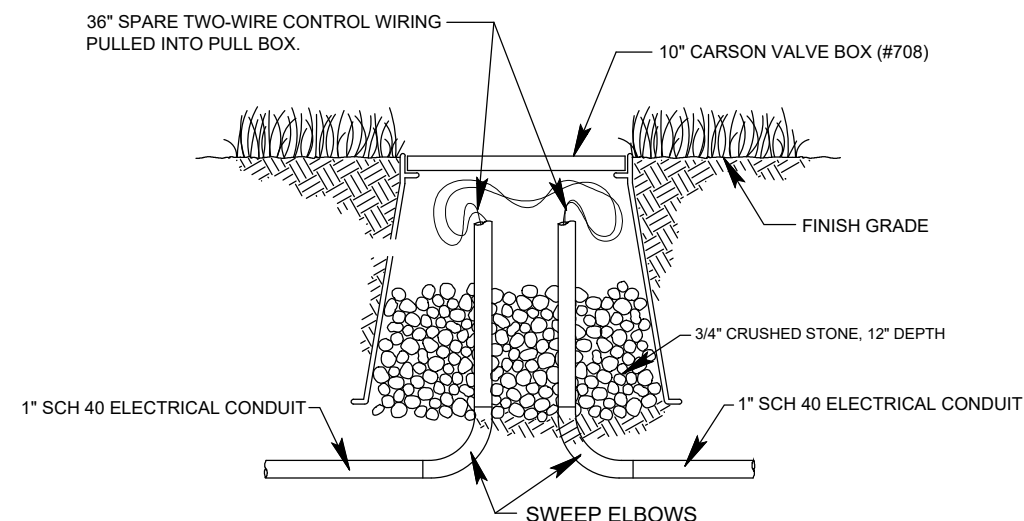
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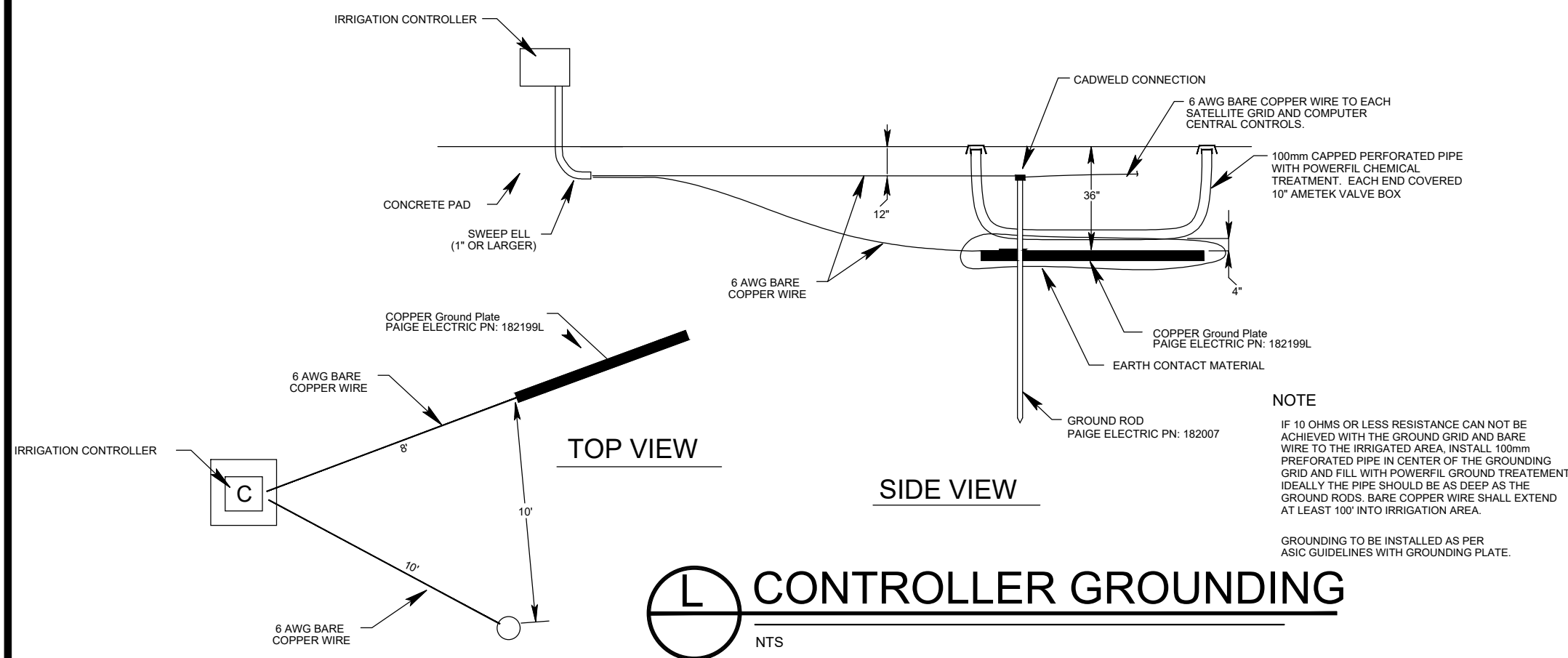
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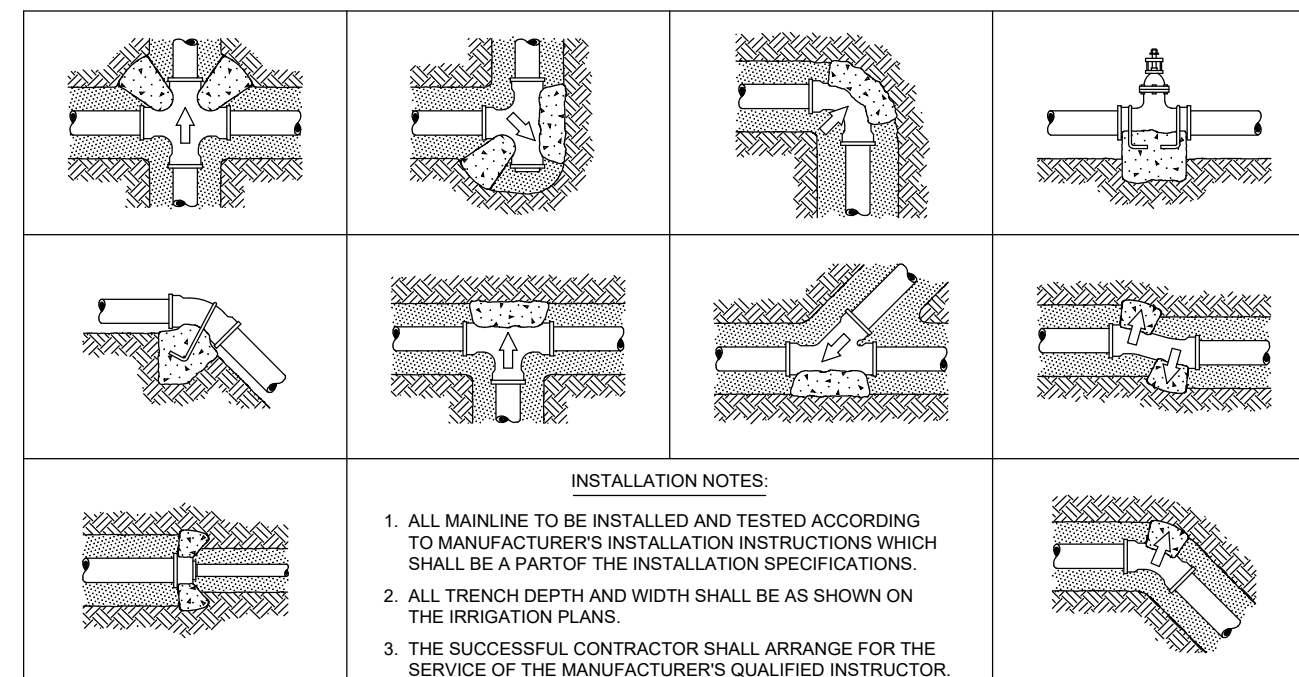
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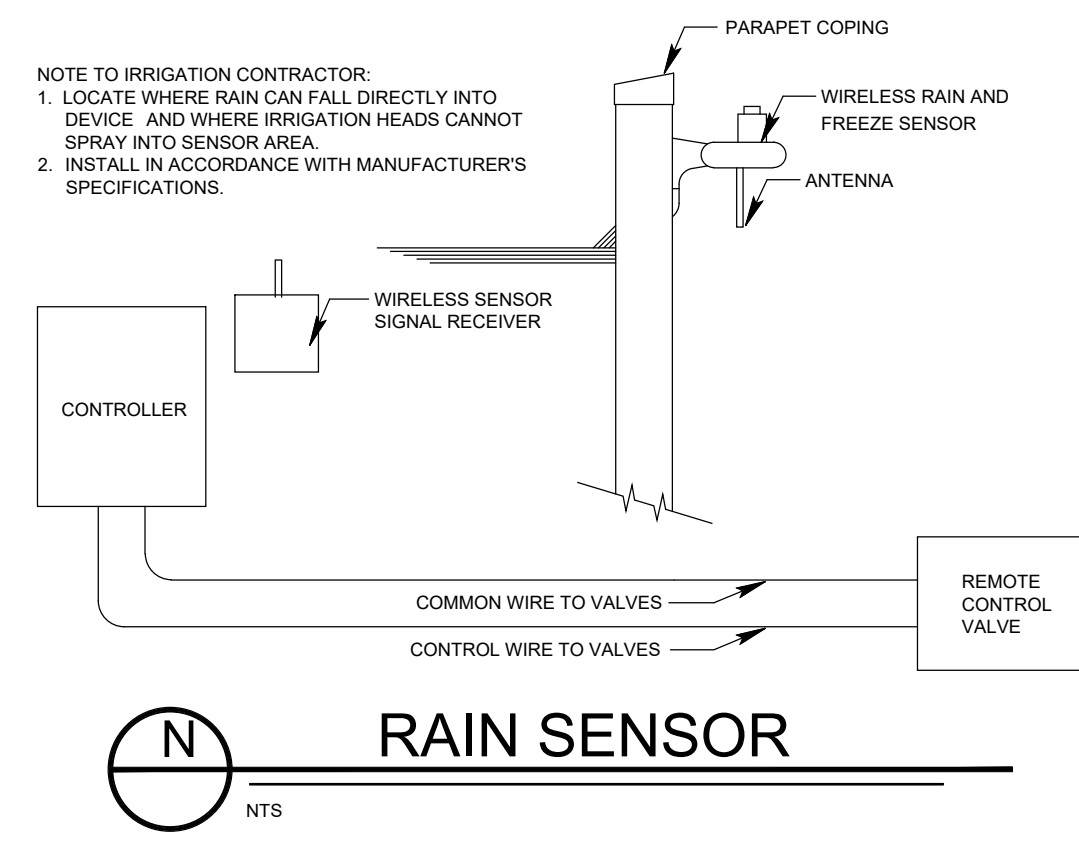
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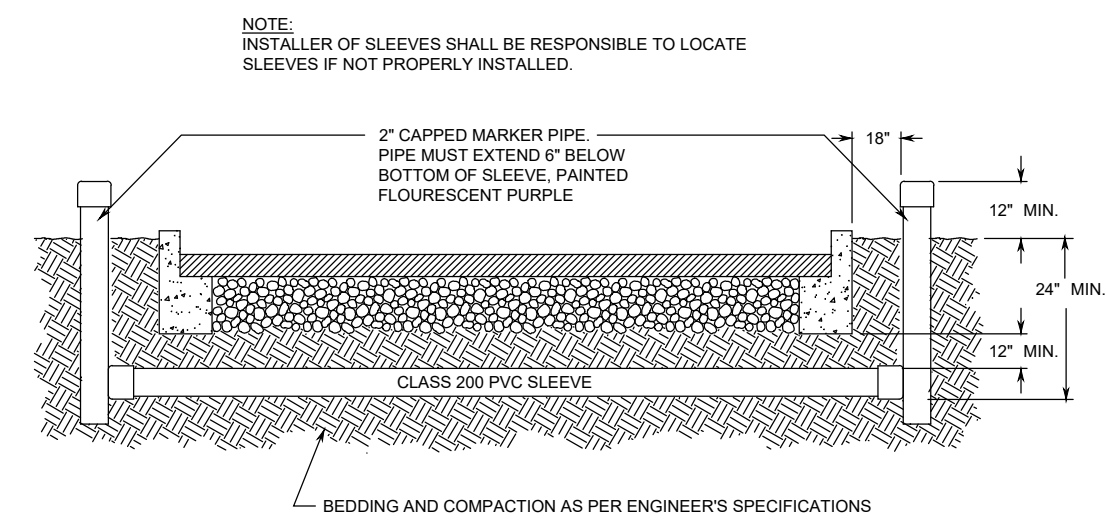
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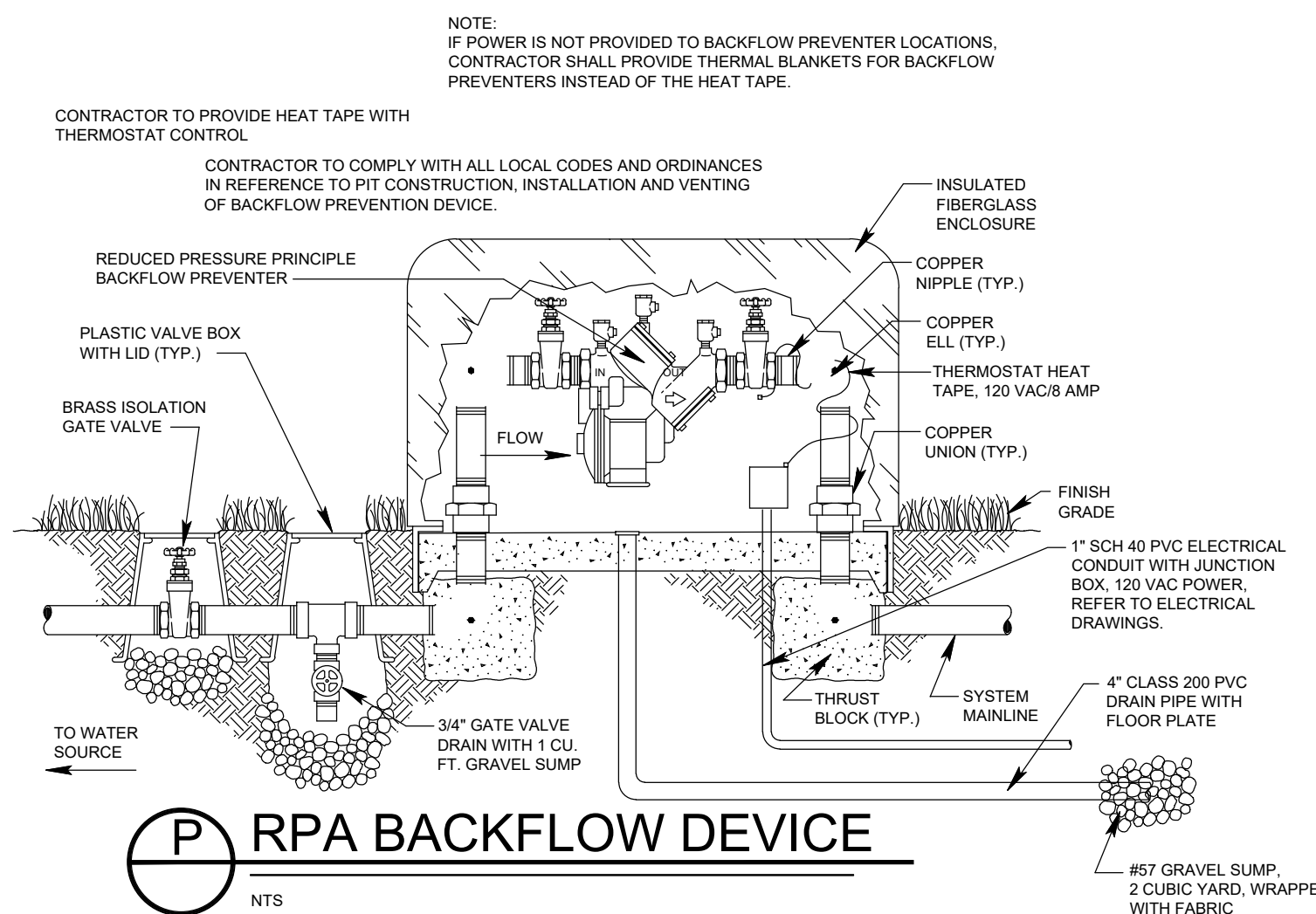
M THRUST BLOCK
NTS



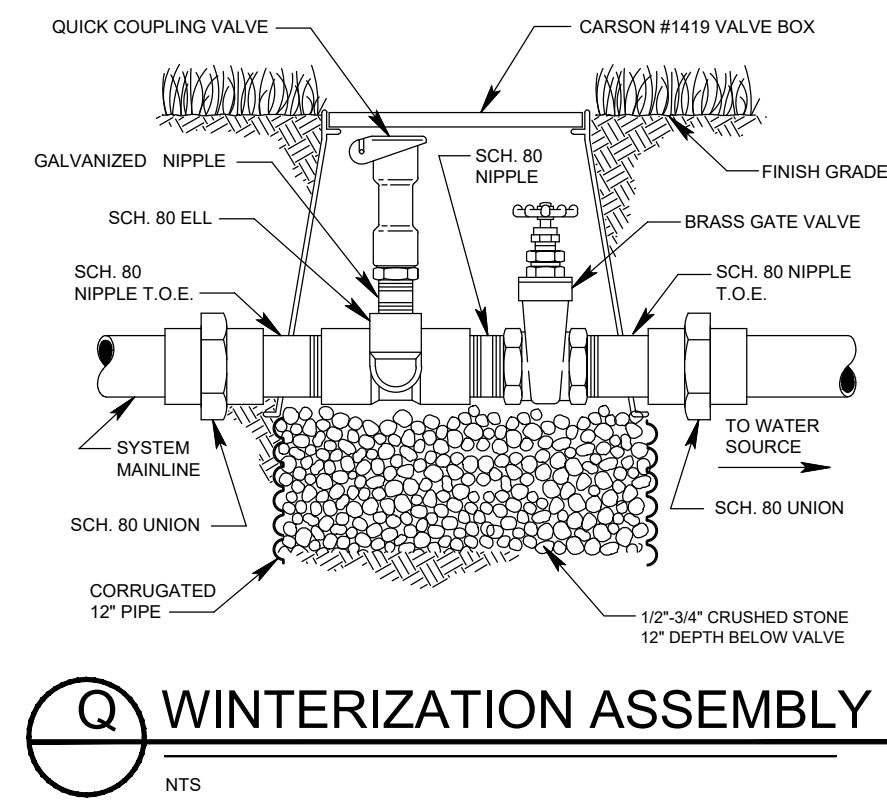
N RAIN SENSOR
NTS



O SLEEVING
NTS



P RPA BACKFLOW DEVICE
NTS



Q WINTERIZATION ASSEMBLY
NTS

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



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DRAWING NAME DRAWING #

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- 2.
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LEVEL II CERTIFICATION
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IRRIGATION DETAILS FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A

DATE: 09/26/2025
DRAWN BY: ICS
CHECKED BY: WTW
PROJECT #: 9999-013
SHEET 1-3
SCALE: NTS
APPROV:

IRRIGATION SYSTEM

PART 1 - GENERAL

1.1 SYSTEM DESCRIPTION

- A. The sprinkler system shall include sprinklers, valves, piping fittings, controller, wiring, all of sizes and types as shown on the drawings and specified. The system shall be constructed to grades and conform to areas and locations as shown on the drawings.
- B. Sprinkler lines shown on the drawings are essentially diagrammatic. Spacing of the sprinkler heads or quick coupling valves are shown on the drawings and shall be exceeded only with written permission of the Designer.
- C. Unless otherwise specified or indicated on the drawings, the construction of the sprinkler system shall include the furnishing, installing, and testing of all mains, laterals, risers and fittings, sprinkler heads, gate valves, control valves, controllers, electric wire, controls, backflow preventers, enclosures, and other necessary specialties and the removal and/or restoration of existing improvements, excavating and backfill, and all other work in accordance with the plans and specifications a required for a complete system.

1.2 QUALITY ASSURANCE

- A. Installer Qualifications: Irrigation Contractor shall have successfully completed five (5) projects similar in material, size, scope and complexity to that indicated for this Project that have resulted in construction with a record of successful in-service performance. This requirement includes Pump installation Contractor.
1. Firm Experience Period: Five (5) years of experience
2. Field Foreman Experience: Five (5) years of experience with installing firm.
- B. Conference: Before any work is started a conference shall be held between the Contractor and the Owner concerning the work under this contract.
- B. The Contractor shall maintain continuously a competent superintendent, satisfactory to the Owner, on the work during progress with authority to act or him in all matter pertaining to the work.
- C. It is the Irrigation Contractor's responsibility to coordinate and cooperate with the other Contractors to enable work to proceed rapidly and efficiently.
- D. The Contractor shall confine his operations to the area to be improved and to the areas allotted him by the Designer and General Contractor for material and equipment.
- E. Contractor shall take all necessary to protect the existing site conditions and vegetation.

1.3 SUBMITTALS

- A. General: Submit in accordance with Shop Drawings, Product Data, and Samples.
- B. Shop Drawings and Equipment Product Information:
1. Prior to purchasing materials, submit product information on all sprinkler heads, automatic valves, quick coupling valves, controller, and pipe to be used on the project.
2. Contractor shall review drawings and data to supply actual precipitation rates and times for each zone in maintenance package.
3. Prior to trenching, Contractor shall submit proposed trenching equipment to Designer for approval.
- C. Record Drawings and Instructions
1. Upon completion of installation, Contractor shall produce as-built drawings in Autocad 2010 format and furnish one set of reproducible and one set of printed record drawings showing all sprinkler heads, valves, drains, and pipelines to scale with dimensions. These drawings shall have dimensions from easily located stationary points (cross measured) as they relate to all valves, mainlines, and wire. Clearly note all approved substitutions of size, material, etc. Complete, concise instruction sheets and parts lists covering all operating equipment and weathering techniques shall be bound into folders and furnished to the Owner in three (3) copies. Submission of this information is a requirement for final acceptance.

1.4 SITE CONDITIONS

- A. The Contractor shall examine the site, plans and specifications (i.e. system requirements).
- B. It shall be the Contractor's responsibility to report in writing to the Designer any deviations between drawings, specification, and actual site conditions. Failure to do so prior to the installing of equipment shall be done at the Contractor's expense.
- C. Adjustment of the sprinkler heads and automatic equipment will be done by the Contractor, upon completion of installation, to provide optimum performance.
- D. After completion, testing, and acceptance of the system, the Contractor shall verbally instruct the Owner's personnel in the operation and maintenance of the system. All written instruction shall be included in the bound maintenance package as stated in Paragraph 1.3 - Submittals.

PART 2 - PRODUCTS

2.1 PIPE AND FITTINGS

- A. Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes will be permitted, but substitutions of larger size may be approved. All pipe damaged or rejected because of defects shall be removed from the site at the time of said rejection.
- B. All mainline piping (21/2") two and one half inches and larger will be equipped with gaskets.
- C. All fittings for mainline pipes two and one half (21/2") inches or larger will be equipped with gaskets.
- D. All piping downstream of electric valves, sizes (3) inches and smaller, shall be rigid unplasticized PVC 200 PSI working pressure extruded from virgin parent material of the type specified on the drawings. The pipe shall be homogeneous throughout and free from visible cracks, holes, foreign materials, blisters, wrinkles and permanently marked with the manufacture's name, material, size, and schedule type. Pipe must bear the NFS seal.
- E. All mainline piping and underground piping under continuous pressure shall be rigid unplasticized PVC-Class 200 PSI working pressure extruded from virgin parent material of the type specified on the drawings. The pipe shall be homogeneous throughout and free from visible cracks, holes, and foreign materials, blisters, wrinkles and dents.
- F. All plastic fittings to be installed shall be molded fittings manufactured of the same material as the pipe and shall be suitable for solvent weld, slip joint ring tight seal, or screwed connections NO fitting made of other material shall be used except as hereinafter specified.
- G. Slip fitting socket tapers shall be so sized that a dry unsoftened pipe end conforming to these special provisions can be inserted no more than halfway into the socket. Plastic saddle and flange fittings will not be permitted. Only Schedule 80 pipe may be threaded.
- H. Fittings for all Mainline Piping 4" and larger shall be Harco Ductile Iron Gasketed Fittings. All mainline shall utilize approved thrust blocking and or restraints. Thrust Blocking and restraints to be installed as per manufacturer's recommendations for pipe type, pipe size and local environmental conditions.

2.2 SLEEVES

- A. All sleeves shall be Class 200 PVC or stronger. All sleeves are required at every crossing indicated on drawings. (Size Noted)
- B. All sleeves shall be installed under proposed pavement areas prior to subgrade and base construction.
- C. Sleeves shall have a minimum horizontal separation of 18" and a maximum of twenty-four (24) inch clearance below bottom of curb.
- D. All sleeves shall have a minimum horizontal separation of twenty-four (24) and maximum of thirty-six inches from center to center.
- E. Stub up sleeve pipe twelve (12) inches above ground surface and cap. Paint cap with fluorescent orange paint for easy identification.
- F. The location of all sleeves shown on the plans is schematic. The contractor shall make any adjustments necessary to accommodate existing vegetation, utilities, or other existing conditions.
- G. If the road crossings are designated as being bore locations the bore must be ample size to accommodate the size sleeve specified.

2.3 CONTROL SYSTEM

- A. The Controller shall be two-wire, decoder based system (as stated on plans).
- B. The automatic controllers shall be as shown on the plans and shall be made by the same manufacturer as valves.
- C. Install Rain Check or Mini-Click type shut off device to override the control timer in the event of rain.

2.4 CONTROL WIRE

- A. Two-wire Control wire shall be type UF, UL approved, for direct burial and shall be minimally sized #14-2/MAXI, solid copper, double jacked, insulated. Wire sizing shall be done in accordance with manufacturer's specifications for wire length runs, decoder numbers, etc (it is very possible job may require #12-2 wire size).
- B. Joining of underground wires shall be made with watertight connectors in valve boxes. No splicing between boxes is acceptable. Utilize 3M DBR/Y-6 Connections unless directed otherwise.
- C. All wire connections in valve boxes; first example shall stay open until the Designer approves.
- D. Install LSP-1 Surge Protection Device every 300 feet or every 6 decoders, whichever is less, with Ground Rod, on two-wire path and at end of wire run that terminates in field (star configuration).

2.5 IRRIGATION VALVES

A. Zone Control Valves

1. Globe-type diaphragm valves of normally closed design, with bronze bodies or heavy-duty plastic and covers (type noted on drawings). Operation accomplished by means of an integrally mounted heavy-duty 24 volt AC solenoid complying with National Electrical Code, Class II Circuit, solenoid coil potted in epoxy resin within a plastic-coated stainless steel housing. Solenoids shall be completely waterproof, suitable for direct underground burial. Provide a flow stem adjustment in each valve.
2. To be installed with Single Station Decoder (as specified on plans).

2.6 VALVE BOXES

- A. All valves shall be installed in thermoplastic valve access boxes of the size required to permit access to the valve. Valve boxes shall include black thermoplastic locking covers. Manufacturer - Carson or approved equal.
- B. All valve boxes shall be installed on at least a two (2) cubic foot gravel base to provide foundation and drainage.
- C. All valve box elevations shall be ½" below finished grade.

2.7 THRUST BLOCKS

- A. Place one cubic ft. of concrete for each inch of pipe diameter for thrust block. Thrust shall not allow vertical or horizontal movement of pipe in any direction unless otherwise noted on design. Thrust blocking shall be provided on all piping three (3) inch diameter and larger.

PART 3 - EXECUTION

3.1 EXCAVATION AND BACKFILL

- A. Trenches for pipe sprinkler lines shall be excavated of sufficient depth and width to permit proper handling and installation by any other method the Contractor may desire if approved by the Owner, pipe manufacturer, and Designer. The backfill shall be thoroughly compacted and evened off with the adjacent soil level. Selected fill dirt or sand shall be used if soil conditions are rocky. In rocky areas the trenching depth shall be two (2) inches below normal trenching depth to allow for this bedding. The fill dirt or sand shall be used in filling (4) inches above the pipe. The remainder of the backfill shall contain no lumps or rocks larger than three (3) inches. The top twelve (12) inches of backfill shall be topsoil, free of rocks, subsoil, or trash. Any open trenches or partially backfilled trenches left overnight or left unsupervised shall be barricaded to prevent undue hazard to the public.
- B. The Contractor shall backfill in six (6) inch compacted lifts as needed to bring the soil to its original density.
- C. In the spring following the year of installation, the Contractor shall repair any settlement of the trenches by bringing them to grade with topsoil, and seeding with the existing lawn type(s). Watering and maintenance of the repaired areas shall be the Owner's responsibility.

3.2 INSTALLATION OF PLASTIC PIPE

- A. Plastic pipe shall be installed in a manner that permits expansion and contraction as recommended by the manufacturer.
- B. Plastic pipe shall be cut with a handsaw or hacksaw with the assistance of a square in sawing vice or in a manner so as to ensure a square cut. Burrs at cut ends shall be removed prior to installation so that a smooth unobstructed flow will be obtained.
- C. All plastic-to-plastic joints shall be solvent weld joints or slip seal joints. Only the solvent recommended for the pipe and fittings shall be installed as outlined and instructed by the pipe manufacturer. The Contractor shall assume full responsibility for the correct installation.
- D. The joints shall be allowed to set at least twenty-four (24) hours before pressure is applied to the system on PVC pipe.

3.3 CONTROLLER AND ELECTRICAL CONNECTIONS

- A. All electrical connections shall conform to the National Electrical Code, latest edition.
- B. Control wires installed beneath walks, drives, or other permanent surfaces shall be placed in sleeves.
- C. Wires shall be spliced only at valve boxes.
- D. Leave twenty-four (24) inch loop of wire at each valve for expansion/contraction and servicing.
- E. Controllers and valves shall be from the same company e.g. (Rain Bird, Toro or approved equal).
- F. 120 VAC electrical power supply to the controller location shall be supplied by others.

3.4 FLUSHING AND TESTING

- A. After all new sprinkler piping and risers are in place and connected for a given section and all necessary division work has been completed and prior to the installation of sprinkler heads all control valves shall be opened and a full head of water used to flush out the system.
- B. Sprinkler main shall be pressure tested as follows:
1. Two (2) hour pressure test at 1.5 times the system operating pressure
2. Twenty four (24) hour pressure test at the system operating pressure
- If leaks occur, repair and repeat the test until no leaks occur (pressure does not drop). Give Designer twenty-four hours notice prior to testing.
- C. Testing of the system shall be performed after completion of the entire installation and any necessary repairs shall be made at the Contractor's expense to put the system in good working order before final payment by the Owner.
- D. Adjustment of the sprinkler heads, and automatic equipment, will be done by the Contractor upon completion of installation to provide optimum performance. Minor adjustments during the guarantee period will be made by the Owner.
- E. After completion, testing, and acceptance of the system, the Contractor will instruct the Owner's personnel in the operation and maintenance of the system.

3.5 CLEAN UP AND PROTECTION

- A. During irrigation work, Contractor shall keep project site clean and orderly
- B. Upon Completion of Work, clear grounds of debris, superfluous materials and all equipment. Remove from site to satisfaction of the Owner's Representative.

3.6 WINTERIZING THE SYSTEM

- A. Contractor's responsibility to winterize the irrigation system the first winter following Substantial Completion of the Project.

3.7 INSPECTION

- A. Periodic inspections will be made by the Landscape Architect/Owner's Representative to review the quality and progress of the work. Work found to be unacceptable must be corrected within a timely mater (to be determined by Owner's Representative). Remove rejected materials promptly from the project site.
- B. It will be the responsibility of the Irrigation Contractor to provide a reliable communication system (i.e. Two way radios or remote radio control activation system) for Substantial Completion and all periodic inspections.

PART 4 - CODES, PERMITS, WARRANTY, AND GUARANTEE

4.1 CODES AND ORDINANCES

- A. All materials, installation parameters, and operations shall conform to all applicable codes and ordinances. It is the Contractor's responsibility to investigate and follow all regulations. Contractor is responsible to verify applicable codes and ordinances prior to submitting bid. Before bid submittal, it is the Contractor's responsibility to notify the Irrigation Consultant/Designer at least 5 days before bid submittal, of any changes due to code or ordinance discrepancies. If the Contractor does not comply with this process and notification, the Contractor shall be responsible for the necessary installation change and redesign costs for non-compliance.

4.2 PERMITS AND FEES

- A. The Contractor shall obtain, at his expense, all required permits and shall pay all required fees. Any penalties imposed due to failure to obtain any permit or pay any fee shall be the responsibility of the Contractor.

4.3 WARRANTY AND GUARANTEE

- A. The Contractor shall furnish a certificate of warranty registration and a written guarantee of work and materials for a one year period from the date of final acceptance of the Irrigation System by the Owner and the Designer.

END OF SECTION

STAMP HERE FOR DEPARTMENT APPROVAL
DRAWING NAME DRAWING #

REVISIONS:

1.
2.
3.
4.

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



LEVEL II CERTIFICATION
GSWCC # 87461



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IRRIGATION DETAILS FOR
CENTRAL CITY - SOFTBALL FIELD 7
150 WILLIE SMOKIE GLOVER DRIVE
MACON, BIBB COUNTY, GEORGIA
LAND LOT (S) N/A
N/A LAND DISTRICT

DATE:
09/26/2025
DRAWN BY:
ICS
CHECKED BY:
WTW
PROJECT #:
9999-013

SHEET
1-4
SCALE:
NTS
APPROV.: