. THE CONTRACTOR SHALL VIEW ALL DRAWINGS, SPECIFICATIONS, ADDENDA, ETC. AND INFORM THE LANDSCAPE ARCHITECT

5. THE CONTRACTOR SHALL NOTIFY THE OWNER TEN (10) WORKING DAYS IN ADVANCE OF STARTING CONSTRUCTION AND SHALL COORDINATE NECESSARY INSPECTIONS THROUGHOUT FINAL APPROVAL AND OCCUPANCY

6. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES.

7. ANY DAMAGE TO EXISTING FACILITIES, ELEMENTS, FEATURES, AND IMPROVEMENTS, RESULTING FROM THE CONTRACTOR'S OPERATION, SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

8. CONTRACTOR SHALL EXPOSE, VERIFY, CONNECT AND MATCH EXISTING UTILITIES AND IMPROVEMENTS, IN CONFORMANCE WITH THE INTENT OF THESE PLANS AND SPECIFICATIONS, TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.

9. DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL COORDINATE AND ACCOMMODATE OTHER CONTRACTORS OR OPERATIONS OF THE OWNER.

10. THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT, AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO PROPERTY, CULTIVATED VEGETATION, DOMESTIC ANIMALS, AND CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM HIS OPERATIONS.

11. CONTRACTOR SHALL RESTRICT ALL OPERATIONS WITHIN THE PROJECT BOUNDARIES. ANY DISRUPTION TO LANDSCAPES, OUTSIDE OF PROJECT BOUNDARIES SHALL BE RESTORED BY THE CONTRACTOR AT NO COST TO THE

12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT "UNDERGROUND LOCATE SERVICE" AT LEAST 48 BUSINESS-DAY HOURS PRIOR TO THE START OF CONSTRUCTION FOR THE LOCATION OF POWER, GAS, OIL, CABLE TV, DATA, AND TELEPHONE FACILITIES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CONTRACTING THE APPROPRIATE PUBLIC AGENCY FOR THE LOCATION OF UNDERGROUND FACILITIES.

13. VERIFY IN FIELD (V.I.F.): IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY PORTIONS OF THE WORK PRIOR TO COMPLETION OF SUBMITTALS FOR FUTURE PORTIONS OF THE WORK. FAILURE TO FIELD VERIFY DIMENSIONS RESULTING IN NON-CONFORMING WORK SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

14. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH ORANGE CONSTRUCTION FENCING PLACED AT THE DRIPLINE OF CANOPY.

15. THE CONTRACT DOCUMENTS ARE COMPREHENSIVE AS A WHOLE AND THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS IN DRAWINGS, SPECIFICATIONS, REGULATORY REQUIREMENTS, AND ADDENDA.

16. CORRELATION AND INTENT OF CONTRACT DOCUMENTS:

17. THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTOR. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL; PERFORMANCE BY THE CONTRACTOR SHALL BE REQUIRED ONLY TO THE EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INDICATED RESULTS.

18. IF A CONFLICT, ERROR, OMISSION, OR LACK OF DETAILED DESCRIPTION IS DISCOVERED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND REQUEST CLARIFICATION. THE ARCHITECT WILL RESOLVE THE CONFLICT AND MAKE ANY CORRECTIONS OR INTERPRETATIONS NECESSARY TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS.

19. WHERE NOTES REFERENCE OTHER DISCIPLINES, SUCH AS: (RE:STRUCTURAL), (RE: CIVIL), (RE: LANDSCAPE), (RE: MEP), (RE: MECHANICAL), (RE: PLUMBING), (RE: ELECTRICAL), (RE: TECHNOLOGY), (RE: SECURITY), ETC., REFER TO ENGINEER'S DRAWINGS AND/OR SPECIFICATIONS FOR ADDITIONAL DETAILS AND INFORMATION. ITEMS SO NOTED ARE TO BE INCLUDED IN THE CONTRACT WHETHER OR NOT ENGINEER'S DRAWINGS AND SPECIFICATIONS CONTAIN ADDITIONAL INFORMATION OR REQUIREMENTS FOR EACH SPECIFIC ITEM NOTED. UPON FINDING A DISCREPENCY OR APPARENT LACK OF COORDINATING INFORMATION IN ENGINEER'S DRAWINGS OR SPECIFICATIONS. CONTRACTOR SHALL REQUEST ADDITIONAL INFORMATION FROM ARCHITECT IN ADVANCE TO AVOID COST OR TIME IMPACT.

FREEDOM PARK BASEBALL FIELD

3105 N. DOWNING ANGLETON, TEXAS 77515

08/19/2025

| INDEX OF | DRAWINGS | | | | |
|----------|-------------------------------------|-------|--|--------------|-----------------------------|
| 0) (D | | 04.04 | | 50.04 | ELECTRICAL OVARDOL LECEND |
| CVR | COVER | C1.01 | SITE PLAN | E0.01 | ELECTRICAL SYMBOL LEGEND |
| DRAWING | S NO: 16265 TOPO TOPOGRAPHIC SURVEY | C1.02 | PROPOSED DRAINAGE PLAN | E0.02 | GENERAL ELECTRICAL NOTES |
| L1.01 | HARDSCAPE PLAN | C1.03 | DRAINAGE CALCULATIONS | E1.01 | ELECTRICAL SITE PLAN |
| L1.20 | HARDSCAPE SCHEDULE | C1.04 | STORMWATER POLLUTION PREVENTION PLAN | E3.01 | ENLARGED ELECTRICAL PLANS |
| L1.21 | HARDSCAPE DETAILS | C2.01 | DITCH MODIFICATION PROFILE | E4.01 | ELECTRICAL ON-LINE DIAGRAMS |
| L1.22 | HARDSCAPE DETAILS | C2.02 | DETENTION POND MODIFICATION PROFILE STA 6+00 TO 10+00 | E5.01 | ELECTRICAL SCHEDULES |
| L1.23 | HARDSCAPE DETAILS | C2.03 | DETENTION POND MODIFICATION PROFILE STA 10+00 TO 12+10 | | |
| L2.01 | IRRIGATION PLAN | C3.01 | DITCH MODIFICATION SECTIONS | | |
| L2.21 | IRRIGATION DETAILS | C3.02 | DETENTION POND MODIFICATION SECTION | | |
| L3.01 | PLANTING PLAN | C5.01 | STORMWATER POLLUTION PREVENTION PLAN DETAILS | | |
| L3.21 | PLANTING DETAILS | C5.02 | MISCELLANEOUS DETAILS | | |

PROJECT TEAM

OWNER CITY OF ANGLETON JASON O'MARA **PHONE**: (979) 849-4364 **EMAIL:** JOMARA@ANGLETON.TX.US

LANDSCAPE ARCHITECTURE BURDITT CONSULTANTS CLAUDIA WALKER, RLA, ASLA, CPSI **PHONE:** 936-756-3041

EMAIL: CWALKER@BURDITT.COM **ADDRESS:** 310 LONGMIRE ROAD CONROE, TX 77304

CIVIL ENGINEERING MPCE, LLC ENGINEER, PE, CFM **PHONE:** (713) 376-7085 **EMAIL:** michelle.patton@mpce-tx.com **ADDRESS:** 20333 STATE HIGHWAY 249 SUITE 200 HOUSTON, TX 77070

ELECTRICAL ENGINEERING DBR Engineering Consultants, Inc. BRENT MOE, PARTNER, PE **PHONE:** (713) 914-0888 EMAIL: BMoe@dbrinc.com ADDRESS: 9990 Richmond Avenue, South Building, Suite 300 Houston, TX 77042

Tel: 936.756.3041 THIS PROJECT & THE IDEAS

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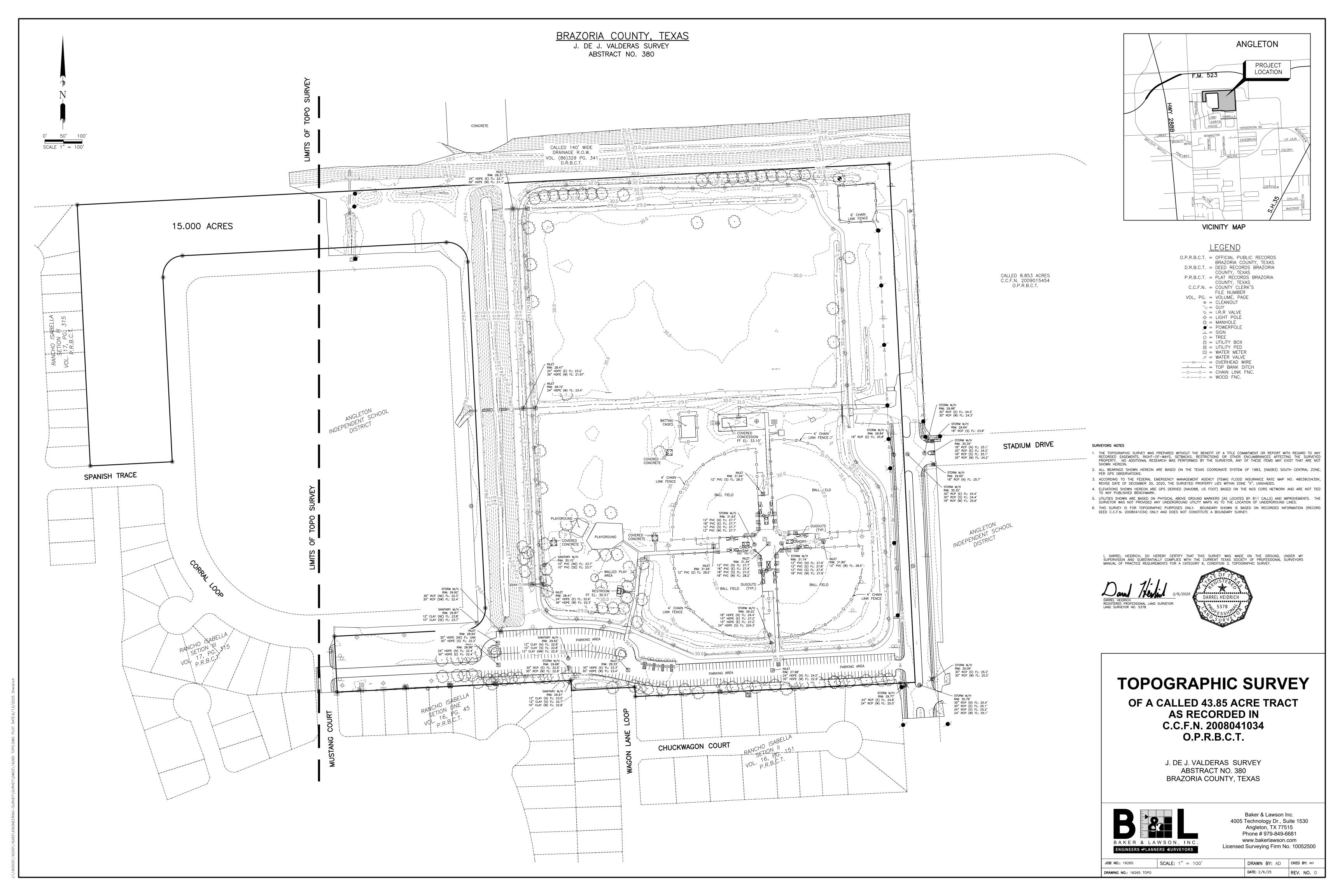
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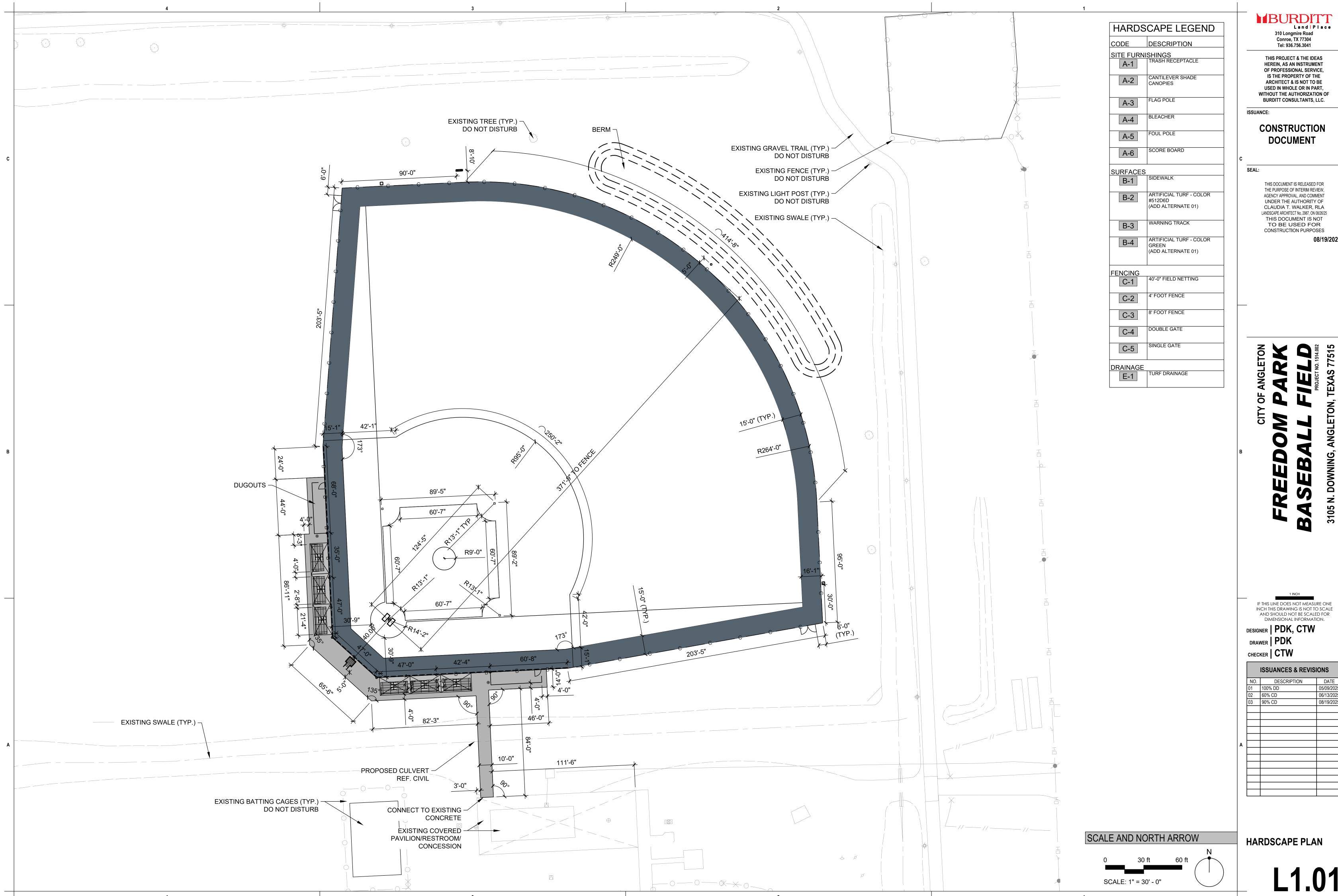




48 HOUR NOTICE

CONTRACTOR SHALL NOTIFY THE CITY PRIOR TO COMMENCING CONSTRUCTION AND/OR BACKFILLING ANY UTILITIES. CONTRACTOR(S) TO CONTACT THE PUBLIC REVIEW DEPARTMENT.





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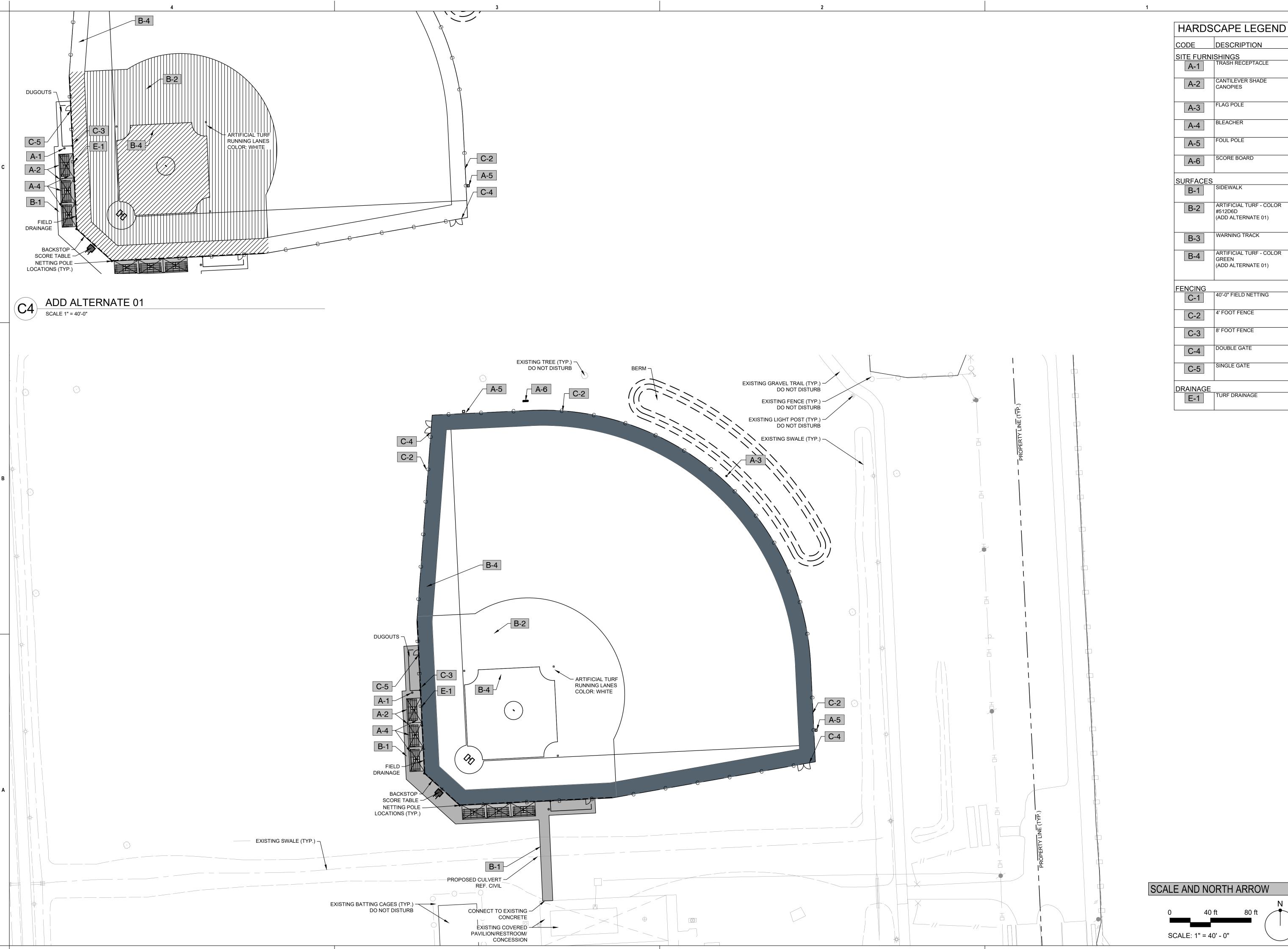
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HARDSCAPE PLAN



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HARDSCAPE PLAN

| HARDSO | HARDSCAPE SCHEDULE | | | | | | | | | |
|-------------|--------------------|--|-----------|----------|--|---|---|--|---|--|
| SYMBOL | CODE | DESCRIPTION | QTY | DETAIL | MANUFACTURER | MODEL | FINISH/COLOR | CONTACT | REMARKS | |
| SITE FURNIS | A-1 | TRASH RECEPTACLE | 2 | C1/L1.22 | TREETOP PRODUCTS | NORTHGATE RECEPTACLE/ 32 GAL. RAIN BONNET LID RECEPTACLE | GALVANIZED STEEL/BLACK ONYX | EMAIL: INFO@TREETOPPRODUCTS.COM PHONE: (866) 511-5642 | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION. | |
| | A-2 | CANTILEVER SHADE CANOPIES | 6 | C2/L1.22 | SUPERIOR RECREATIONAL PRODUCTS BY PLAYCORE | HANGING CANTILEVER HIP SHADE STRUCTURE 18'L X 12'W X 11'H REFERENCE NUMBER: 4148-084 | FRAME COLOR: FEATHER GRAY SHADE FABRIC: MIDNIGHT | PHONE: 1-800-327-8774 WEBSITE: WWW.SRPSHADE.COM | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION. | |
| | A-3 | FLAG POLE | 1 | A4/L1.22 | CONCORD AMERICAN FLAGPOLE | 125060188 25` FLAGPOLE SENTRY SERIES | SATIN ALUMINUM | WWW.CONCORDAMERICANFLAGPOLE.COM | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION. | |
| | A-4 | BLEACHER | 6 | B4/L1.22 | BELSON OUTDOORS | BD-0521V BLEACHER 5 ROW | ALUMINUM | EMAIL: SALES@BELSON.COM PHONE: 1-800-323-5664 | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION. | |
| | A-5 | FOUL POLE | 2 | | SPORTSFIELD SPECIALTIES | FP420PL 20`-0" HEIGHT, NO WING | POWDER COATED YELLOW | EMAIL: WWW.SPORTSFIELD.COM PHONE: 1-888-975-3343 | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION. | |
| 0 0 | A-6 | SCORE BOARD | 1 | | - | - | - | - | ELECTRICAL TO PROVIDE ELECTRICAL OUTLET. REF. ELECTRICAL | |
| SURFACES | | | | | | | | | | |
| | B-1 | SIDEWALK | 6,107 sf | | - | - | REF. CIVIL | REF. CIVIL | REF. CIVIL | |
| | B-2 | ARTIFICIAL TURF - COLOR #512D6D (ADD ALTERNATE 01) | 23,567 sf | B1/L1.22 | SYNLAWN | TXT48P | MEADOW GREEN | WWW.STRICKTLYGREENGRASS.COM | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE CUT SHEET FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION. | |
| | B-3 | WARNING TRACK | 14,480 sf | A2/L1.22 | - | - | - | - | - | |
| | B-4 | ARTIFICIAL TURF - COLOR GREEN (ADD ALTERNATE 01) | 12,372 sf | B1/L1.22 | SYNLAWN | TXT48P | PMS COLOR PURPLE 269C C=81 M=96 Y=26 K=13 | WWW.STRICKTLYGREENGRASS.COM | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE CUT SHEET FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION. | |
| FENCING | | 40'-0" FIELD NETTING | 141 If | A2/L1.21 | NETS OF TEXAS | T | BLACK | RAFAEL SANTIAGO | INSTALL PER MANUFACTUER'S | |
| | C-1 | | | | NETS OF TEXAS | | | PHONE: (936) 372-5501 | RECOMMENDATIONS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTLLATION. | |
| C | C-2 | 4' FOOT FENCE | 1,013 lf | B4/L1.21 | - | - | BLACK | - | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION. | |
| В — | C-3 | 8' FOOT FENCE | 206 lf | C4/L1.21 | - | - | BLACK | - | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION. | |
| | C-4 | DOUBLE GATE | 2 | A4/L1.21 | - | - | - | - | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION. | |
| | C-5 | SINGLE GATE | 2 | / | - | - | - | - | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION. | |
| DRAINAGE | | 1 | 1 | I | · I | | | I | | |
| | E-1 | TURF DRAINAGE | 346 lf | B2/L1.22 | - | - | - | - | INSTALL PER MANUFACTURER'S RECOMMENDATIONS. | |
| | | 1 | 1 | L | ı | I . | I . | 1 | | |

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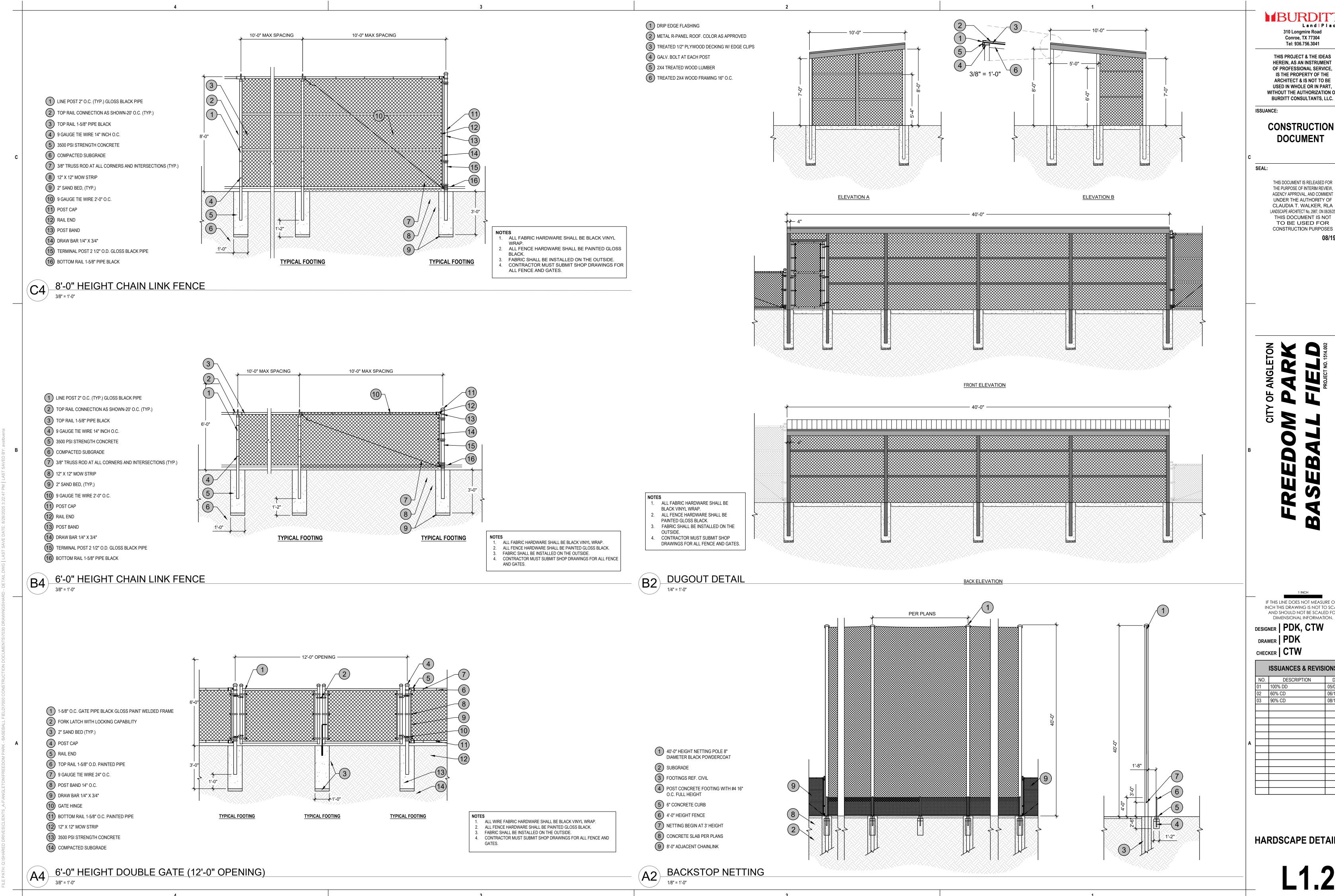
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DESIGNER | PDK, CTW
DRAWER | PDK
CHECKER | CTW

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HARDSCAPE SCHEDULE



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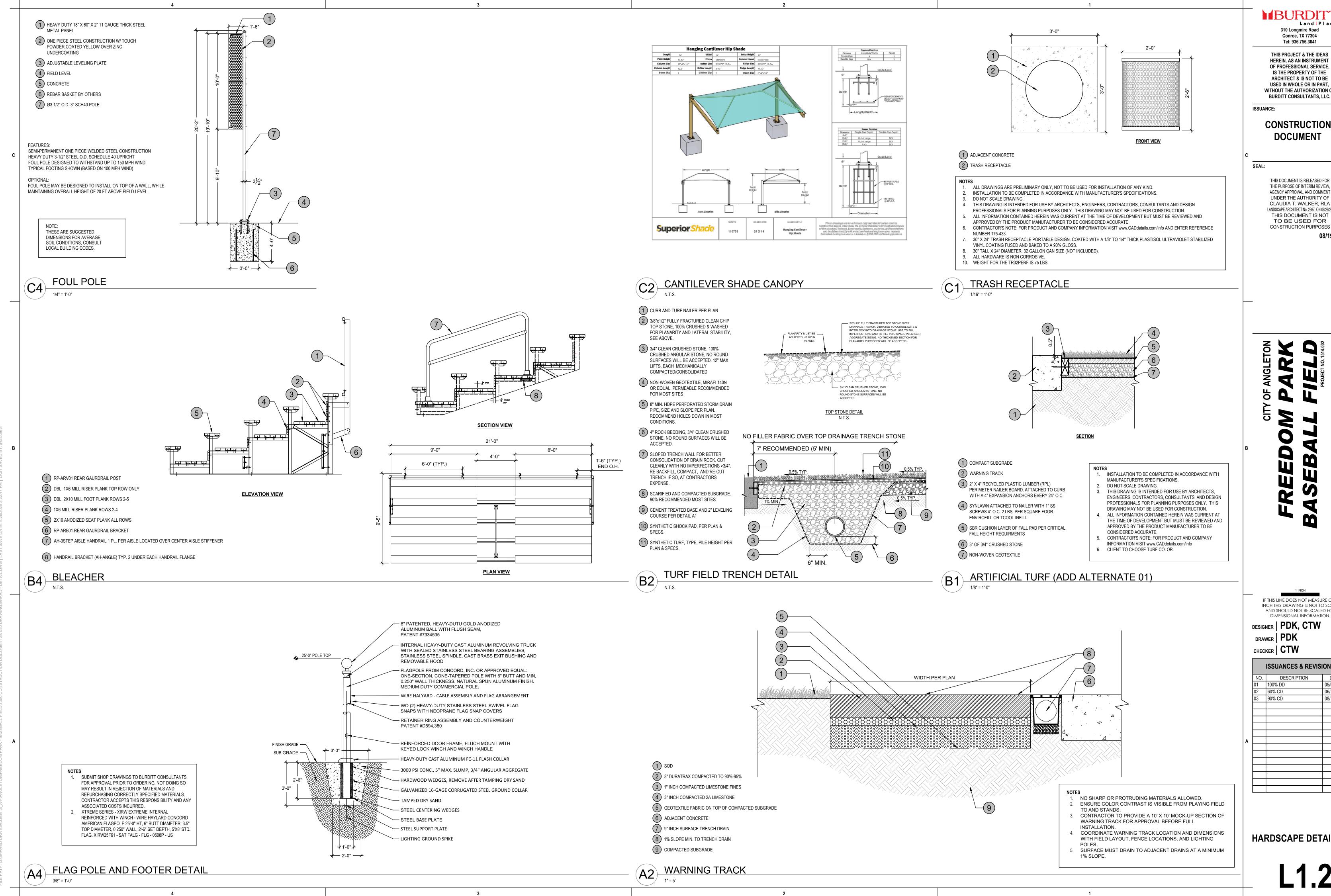
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DESIGNER | PDK, CTW

ISSUANCES & REVISIONS

HARDSCAPE DETAILS



LandiPlace 310 Longmire Road

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DRAWER | PDK CHECKER CTW

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HARDSCAPE DETAILS

BURDITT

Land | Place

310 Longmire Road

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HARDSCAPE DETAILS

TYPICAL FOOTING

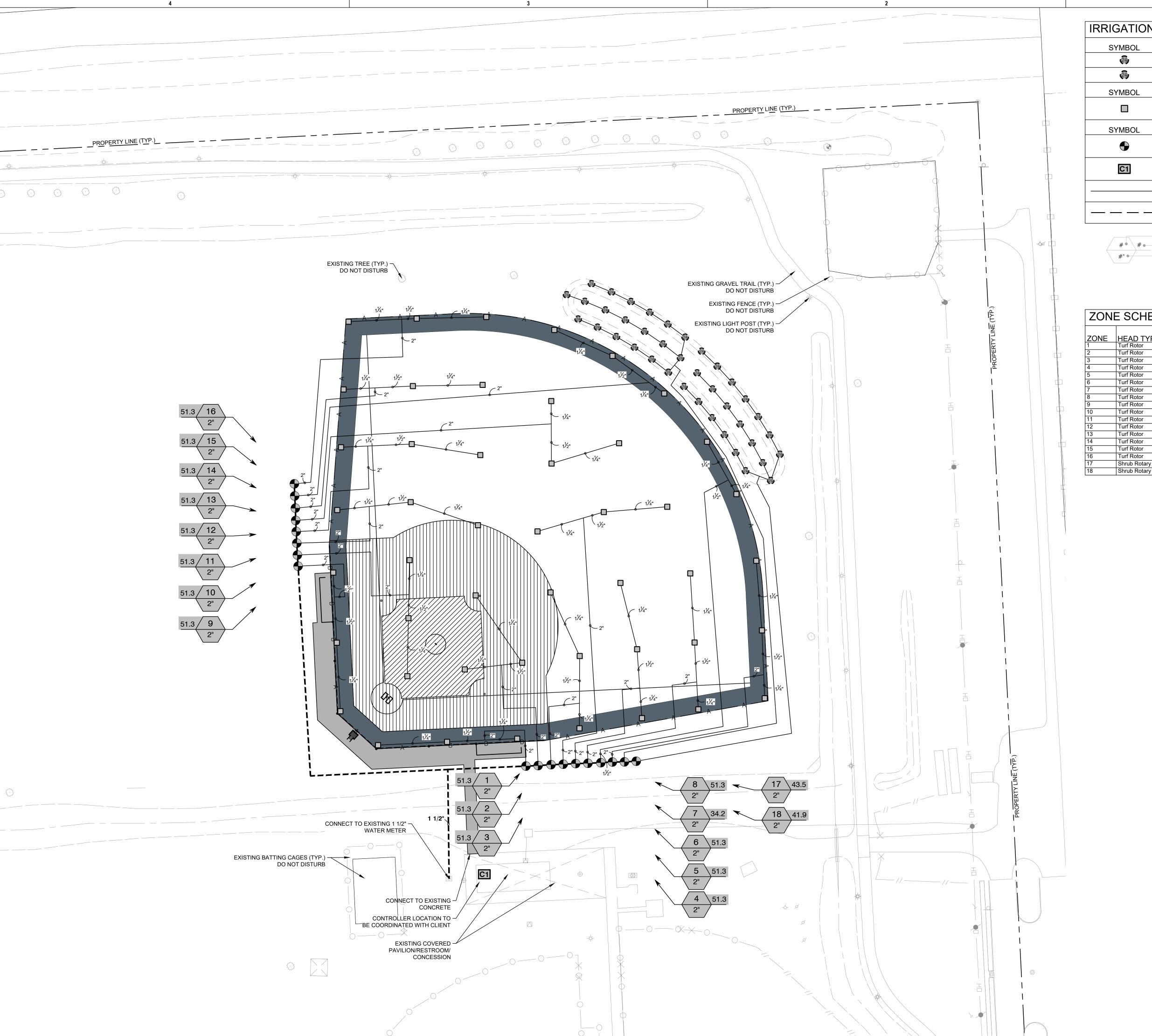
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1 CORRUGATED GALVANIZED STEEL ROOFING SHEET 1-5/8" O.C. GATE PIPE GALVANIZED WELDED FRAME 2 MC CHANNEL MC8X22.8 3 3.5" Ø ROUND STEEL PIPE GATE POST 2-1/2" O.D. GALVANIZED PIPE 4 WELDED STEEL CHANNEL FORK LATCH WITH LOCKING CAPABILITY 5 C-CHANNEL WELDED TO PIPE C12X30 6 C-CHANNEL C8X30 4 CONCRETE SLAB PER PLANS 7 DRIP EDGE FLASHING 5 VINYL WRAPPED CHAIN LINK (BLACK) 8 WSTERN RED CEDAR DECKING 6 9 GAUGE TIE WIRE TOP AND BOTTOM 7 3500 PSI STREGTH CONCRETE 8 2" SAND BED 9 COMPACTED SUBGRADE 10 POST CAP 11) RAIL END TOP RAIL 1-5/8" O.D. BLACK GALVANIZED PIPE 9 GAUGE TIE WIRE 24" O.C. 8 14) POST BAND 14" O.C. 15) DRAW BAR 1/4" X 3/4" (16) GATE HINGE 17) BOTTOM RAIL 1-5/8" PIPE BLACK 18 FINISH GRADE

SCORE TABLE

A1 TYPICAL SWING GATE

3/8" = 1'-0" MU-AN-HAR-26



| IRRIGATION S | SCHEDULE | | |
|--------------|--|-----|------|
| SYMBOL | MANUFACTURER/MODEL | PSI | GPM |
| 24 | RAINBIRD R-VAN24 1800 RV-24 | 45 | |
| 24 | RAINBIRD R-VAN24 1800 RV-24F | 45 | 3.48 |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | PSI | GPM |
| | Rain Bird 6504-PC, FC-SS (2) 18 Turf Rotor, 4in. Pop-Up, Stainless Steel Riser, Adjustable and Full Circle. With Removable Seal-A-Matic Check Valve, 1in. Female Threaded Inlet. | 60 | 17.1 |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | | |
| • | Rain Bird PEB 1in., 1-1/2in., 2in., 3in. Plastic Industrial Remote Control Valve. Low Flow Operating Capability, Globe Configuration. | | |
| C1 | Rain Bird ESP4ME3 with (3) ESP-SM6 22 Station, Hybrid Modular Outdoor Controller. For Residential or Light Commercial Use. LNK WiFi Module and Flow Sensor Ready. | | |
| | Irrigation Lateral Line: PVC Class 200 SDR 21 | | |
| | Irrigation Mainline: PVC Schedule 40 | | |

| | Valve Callout |
|----------|---------------|
| | Valve Nu |
| # • # •— | Valve Flo |
| #" • | Valve Siz |

| ZONE SCHEDULE | | | | | |
|---------------|--------------|-------|--|--|--|
| | | 0.514 | | | |
| ZONE | HEAD TYPE | GPM | | | |
| 1 | Turf Rotor | 51.3 | | | |
| 2 | Turf Rotor | 51.3 | | | |
| 3 | Turf Rotor | 51.3 | | | |
| 4 | Turf Rotor | 51.3 | | | |
| 5 | Turf Rotor | 51.3 | | | |
| 6 | Turf Rotor | 51.3 | | | |
| 7 | Turf Rotor | 34.2 | | | |
| 8 | Turf Rotor | 51.3 | | | |
| 9 | Turf Rotor | 51.3 | | | |
| 10 | Turf Rotor | 51.3 | | | |
| 11 | Turf Rotor | 51.3 | | | |
| 12 | Turf Rotor | 51.3 | | | |
| 13 | Turf Rotor | 51.3 | | | |
| 14 | Turf Rotor | 51.3 | | | |
| 15 | Turf Rotor | 51.3 | | | |
| 16 | Turf Rotor | 51.3 | | | |
| 17 | Shrub Rotary | 43.5 | | | |
| 18 | Shrub Rotary | 41.9 | | | |

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SCALE AND NORTH ARROW **IRRIGATION PLAN**

SCALE: 1" = 40' - 0"

EQUIPPED WITH AN ELECTRONIC CONTROLLER CAPABLE OF DUAL OR MULTIPLE PROGRAMMING. CONTROLLER(S) SHALL HAVE MULTIPLE CYCLE START CAPACITY AND A FLEXIBLE CALENDAR PROGRAM, INCLUDING THE CAPABILITY OF BEING SET TO WATER EVERY FIVE DAYS.

ALL AUTOMATIC IRRIGATION SYSTEMS SHALL BE EQUIPPED WITH A RAIN AND FREEZE SENSOR SHUT-OFF DEVICE.

THE IRRIGATION SYSTEM SHALL BE DESIGNED BY A LICENSED IRRIGATOR.

IRRIGATED TURF GRASS AREA IS LIMITED TO 33% OF THE TOTAL LANDSCAPE AREA PROVIDED. TREE IRRIGATION ZONES SHALL NOT SHARE THE SAME IRRIGATION ZONES, INCLUDING VALVES AND CIRCUITS, AS

SHRUBS AND PLANT DUE TO DIFFERENT WATERING REQUIREMENTS. A MINIMUM OF ONE (1) BUBBLER SHALL BE PROVIDED FOR ALL NEWLY PLANTED TREES. TREES LARGER THAN THREE INCHES IN CALIPER SIZE SHALL HAVE TWO (2) BUBBLERS. THE BUBBLER(S) SHALL BE INSTALLED AT EACH TREE, LOCATED 12 - 18 INCHES FROM THE TRUNK, AND SHALL OPERATE ON VALVES SEPARATE FROM THE SPRAY ZONES. NO TRENCHING OR BORING SHALL OCCUR WITHIN THE TREE PROTECTION FENCING OR CRZ WITHOUT PRIOR

APPROVAL FROM THE CITY ARBORIST OR ADMINISTRATOR. IRRIGATION SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH SUBCHAPTER 11 OF THE UNIFIED

DEVELOPMENT CODE AND CHAPTER 113: IRRIGATORS. 10. IRRIGATION PLANS SHALL BE SUBMITTED AND APPROVED PRIOR TO IRRIGATION INSTALLED AND FINAL SITE

11. THE IRRIGATION CONTRACTOR SHALL TEST EXISTING STATIC WATER PRESSURE ONSITE PRIOR TO CONSTRUCTION STATIC WATER PRESSURE FOR THE SITE WAS NOT GIVEN AT THE TIME OF THIS DESIGN. THE IRRIGATION SYSTEM FOR THIS SITE IS DESIGNED TO OPERATE WITH THE A PRESSURE WITH SIXTY (60 PSI) POUNDS PER SQUARE INCH. SHOULD DESIGN PRESSURE FOR THE IRRIGATION SYSTEM BE HIGHER THAN THE EXISTING PRESSURE OF THE SITE.

THE IRRIGATION CONTRACTOR SHALL NOTIFY THE IRRIGATION DESIGNER. 12. LOCATE ALL UTILITIES AND SITE LIGHTING CONDUITS BEFORE IRRIGATION INSTALLATION BEGINS

13. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS, WHEN IT IS OBVIOUS THAT FIELD OBSTRUCTIONS, UNKNOWN TO THE DESIGNER, MAY NOT HAVE BEEN CONSIDERED IN THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE IRRIGATION DESIGNER OF THE CONDITIONS, OR ASSUME FULL IRRESPONSIBLE TO NOTIFY THE IRRIGATION DESIGNER OF THE SITE CONDITIONS, OR ASSUME FULL RESPONSIBILITY FOR ANY AND ALL REVISIONS NECESSARY

14. PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER PIPE SIZES MAY BE APPROVED.

15. THE FOLLOWING RAIN-BIRD IVM-SERIES FIELD DEVICES SHALL BE INSTALLED ON THESE IRRIGATION COMPONENTS LXIVMSD (SURGE DEVICE) SHALL BE INSTALLED WITH GROUND ROD OR PLATE EVERY 500' OR 15 FIELD DEVICES ALONG THE 2-WIRE PATH.

16. THE CONTRACTOR SHALL BE A REGISTERED LICENSED IRRIGATOR OF GOOD STANDING IN THE STATE OF TEXAS. 17. IRRIGATION CONTRACTOR SHALL PROCURE ALL PERMITS, LICENSES, AND GIVE ALL NECESSARY NOTICES THROUGHOUT THE DURATION OF THE PROJECT.

18. ALL ASPECTS OF THE IRRIGATION INSTALLATION SHALL CONFORM WITH GOVERNING AUTHORITIES, CODES, AND ORDINANCES.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLANT MATERIAL UPON ACCEPTANCE AND THROUGH THE

WARRANTY PERIOD FOR DAMAGE DUE TO IRRIGATION SYSTEM FAILURES. 20. DISTURBED AREAS IN NEED OF TURF ESTABLISHMENT MAY EXIST BEYOND THE COVERAGE LIMITS OF THE

PERMANENT IRRIGATION SYSTEM. IN THOSE DISTURBED AREAS, THE CONTRACTOR SHALL DETERMINE THE TEMPORARY MEANS TO GERMINATE/ESTABLISH NECESSARY TURF. THE GENERAL CONTRACTOR IS ENCOURAGED TO BEGIN TURF ESTABLISHMENT IMMEDIATELY UPON FINAL GRADE IN ACCORDANCE WITH AND TO SATISFY THE SWPPP. 21. LOCATION OF MAINLINE AND VALVES ON THIS PLAN MAY BE SHOWN IN THE ROAD FOR CLARITY ONLY. CONTRACTOR

IS TO PLACE ALL PIPES AND VALVES BEHIND THE CURB IN LANDSCAPE AREAS WHENEVER POSSIBLE. 22. IRRIGATION CONTRACTOR IS TO COORDINATE LOCATION AND PLACEMENT OF ALL IRRIGATION ITEMS WITH THE GENERAL CONTRACTOR. CONTRACTOR IS TO USE EXTREME CAUTION IN TRENCHING TO AVOID EXISTING AND PROPOSED UTILITIES.

23. PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER PIPE SIZES MAY BE APPROVED.

24. TAPPING AND IMPACT FEES: CONTRACTOR SHALL PAY FOR ALL FEES ASSOCIATED WITH TAPPING INTO MUNICIPAL UTILITY MAINS, INCLUDING SANITARY SEWER, NATURAL GAS AND DOMESTIC WATER. IMPACT FEES WILL BE PAID FOR BY THE OWNER.

25. SYSTEM TO USE ALL PURPLE COMPONENTS.

STATEMENT OF COVERAGE NOTE

1. THE IRRIGATION LAYOUT IS INTENDED TO SUPPLY LOW-VOLUME DRIP IRRIGATION TO PLANTED BED AREAS AND NARROW TURF SECTIONS. BUBBLERS WILL BE INSTALLED FOR NEWLY PLANTED TREES, WHILE SPRAY HEADS OR ROTORS WILL IRRIGATE THE REMAINING LAWN AREAS. THIS PLAN DOES NOT INCLUDE IRRIGATION COVERAGE BEYOND WHAT IS SPECIFIED.

COORDINATION WITH EXISTING TREES NOTES

MECHANICAL TRENCHING IS NOT ALLOWED WITHIN THE ROOT ZONES OF EXISTING TREES. EXCAVATION IN THESE UNDISTURBED. MARK ALL PROPOSED TRENCH LOCATIONS NEAR EXISTING TREES AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT BEFORE STARTING ANY DIGGING.

IRRIGATION SLEEVE NOTES

PIPING AND CONTROL WIRES SHALL BE INSTALLED IN SEPARATE SLEEVES UNDER PAVING. REFER TO THE

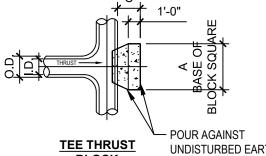
IRRIGATION PLANS FOR SLEEVE SIZE AND LOCATION. SLEEVE ELEVATION SHALL BE TWELVE (12") INCHES BELOW TOP OF PAVEMENT

SLEEVES SHALL EXTEND ONE (1') FOOT BEYOND THE EDGE OF PAVEMENT AND BE STAKED FOR LOCATION. ALL SLEEVES SHALL BE SCHEDULE 40 PVC PIPE, CAPPED ON BOTH ENDS, AND SIZED AT LEAST TWO TIMES LARGER THAN THE DIAMETER OF THE PIPE INSIDE THE SLEEVE. SLEEVE LOCATIONS SHALL BE MARKED ONTO THE TOP OF CURB WITH A SAW-CUT OF TWO PARALLEL LINES THAT ARE TWO (2") INCHES LONG AND ONE (1") INCH APART.

THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF SLEEVES WITH GENERAL CONTRACTOR. THE IRRIGATION CONTRACTOR IS ALSO RESPONSIBLE FOR LOCATIONS ANY SLEEVE WHICH CANNOT BE FOUND DURING INSTALLATION OF IRRIGATION SYSTEM.

IRRIGATION GENERAL NOTES

1. USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND PLUG TO PREVENT CONCRETE FROM STICKING TO PLUG.



| | | | BLO | | | |
|---------|--------------------|-----------------------|--------|-----------------------|--|--|
| | TEE THRUS BLOCK | <u>\</u> <u>ST</u> | POUR A | GAINST JRBED EARTH | | |
| | TEE S | CHEDULE | | | | |
| ID (IN) | THRUST (TONS) | C(FT) | A (FT) | VOLUME (C.Y.) | | |
| | | | | | | |

| | TEE THRUS BLOCK | <u>ST</u> | UNDIST | URBED EARTH | |
|---------|--------------------|-----------|--------|---------------|--|
| | TEE S | CHEDULE | | | |
| ID (IN) | THRUST (TONS) | C(FT) | A (FT) | VOLUME (C.Y.) | |
| 4,6,8 | 5.1 | 1.5 | 2.5 | 0.3 | |
| 10,12 | 11.3 | 1.5 | 3.5 | 0.6 | |

THRUST BLOCK NOTES:

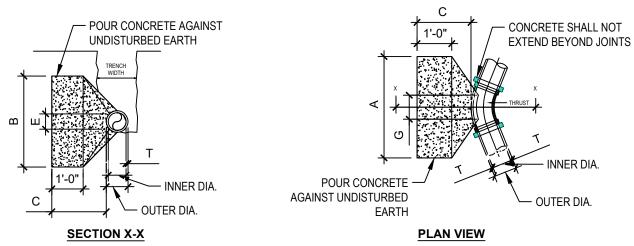
ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE 200 PSI. FOR 24" AND SMALLER INNER DIAMETER PIPE. 2. ALL BEARING SURFACES OF THRUST BLOCKS SHALL BE PLACED

AGAINST UNDISTURBED EARTH OR ROCK. CONCRETE FOR BLOCKING SHALL BE 2000 PSI. DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD AND AS

DIRECTED BY THE ENGINEER. THE VOLUME OF THE CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE. WATER MAIN SHALL NOT BE PRESSURIZED UNTIL ALL CONCRETE BLOCKING HAS REACHED 1500 PSI.

| + | | HORIZONTAL THRUST BLOCK SCHEDULE | | | | | | | | |
|-----|-------|----------------------------------|--------|---------|---------|---------|---------|---------|--------|--|
| | | BEND | SIZE | A (FT.) | B (FT.) | C (FT.) | E (FT.) | G (FT.) | VOLUME | |
| | | 90° | 6,8" | 5.0 | 1.5 | 1.5 | 0.9 | 2.7 | 0.4 | |
| | | 90 | 10,12" | 6.5 | 2.5 | 1.5 | 1.2 | 4.0 | 1.0 | |
| ٧١ | | 45° | 6,8" | 2.0 | 2.0 | 1.5 | 0.9 | 1.5 | 0.2 | |
| Y.) | | | 10,12" | 3.5 | 2.5 | 1.5 | 1.2 | 2.2 | 0.5 | |
| | 22.5° | 22.50 | 6,8" | 1.5 | 1.5 | 1.5 | 0.9 | 0.8 | 0.1 | |
| | | 22.5 | 10,12" | 2.0 | 2.5 | 1.5 | 1.2 | 1.1 | 0.3 | |
| | | 11.25° | 6,8" | 1.0 | 1.5 | 1.5 | 0.9 | 0.4 | 0.1 | |
| | | 11.20 | 10,12" | 1.5 | 1.5 | 1.5 | 1.2 | 0.6 | .01 | |

THRUST BLOCK DETAILS



TYPICAL HORIZONTAL THRUST BLOCK

5 PVC SCH. 40 ELL.

(6) BRICK (1 OF 4.)

4 BALL VALVE (SIZED PER VALVE.)

(7) PVC SCH. 80 NIPPL (LENGTH AS REQURED.)

(8) PVC MAINLINE PIPE.

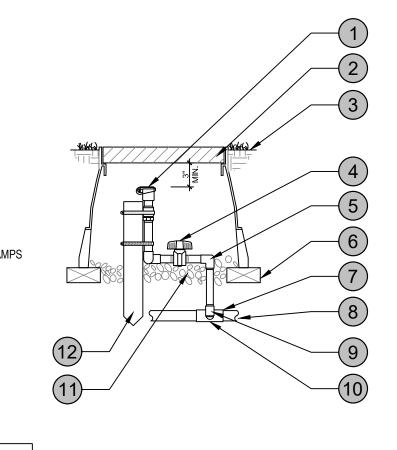
(1) QUICK COUPLING VALVE.

(2) PLASTIC VALVE BOX.

3 FINISH GRADE.

(9) SCH. 80 NIPPLE & SCH. 40 ELL. (10) PVC SCH. 40 TEE OR ELL.

(11) 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL. (12) 2"X2" TRD. PINE STAKE W/ STAINLESS STEEL GEAR CLAMPS OR EQUIVALENT SUPPORT SYSTEM.



1. FURNISH NOMINALLY SIZED BALL VALVE WITHIN SAME BOX & PRIOR TO MAINLINE TEE. 2. FURNISH FITTINGS & PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK

COUPLING VALVE INLET SIZE.

(1) 30-INCH LENGTH OF WIRING. (2) WATERPROOF CONNECTION RAINBIRD WC20 (TWO REQUIRED.)

(3) ID TAG: RAINBIRD VID SERIES. (4) REMOTE CONTROL VALVE:

RAINBIRD PEB (5) PLASTIC VALVE BOX WITH PURPLE LOCKING COVER.

(6) FINISH GRADE/ TOP OF MULCH.

(7) PVC SCH 80 NIPPLE (CLOSE.) (8) PVC SCH 40 ELL.

(9) PVC SCH 80 NIPPLE (LENGTH AS REQUIRED.)

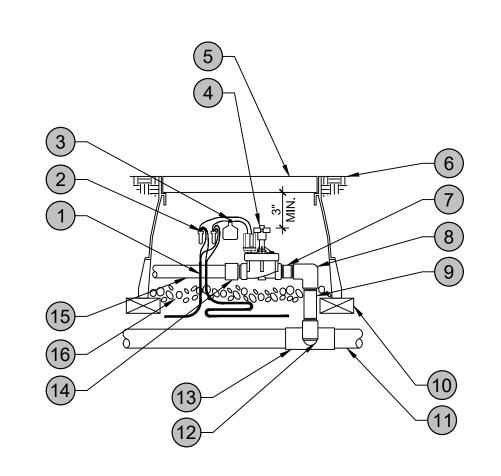
(10) BRICK (1 OF 4.)

(11) PVC MAINLINE PIPE. SCH 80 NIPPLE (2-INCH LENGTI HIDDEN) AND SCH 40 ELL.)

(13) PVC SCH 40 TEE OR ELL

(14) PVC SCH 40 MALE ADAPTER. (15) PVC LATERAL PIPE.

(16) 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL.

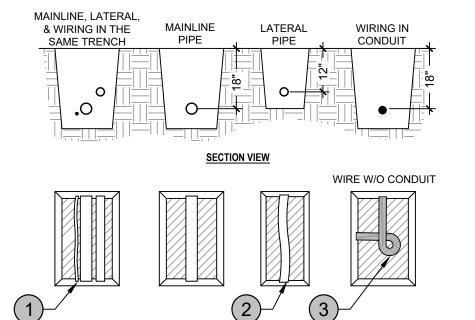


REMOTE CONTROL VALVE

(1) RUN WIRING BENEATH & BESIDE MAINLINE. TAPE & BUNDLE AT 10-FOOT INTERVALS.

(2) ALL SOLVENT WELD PLASTIC PIPING TO BE SNAKED IN TRENCH AS SHOWN.

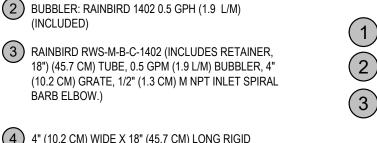
(3) TIE 24-INCH LOOP IN ALL WIRING AT CHANGES OF DIRECTION OF 30 OR GREATER. UNTIE AFTER ALL CONNECTIONS HAVE BEEN MADE.



PLAN VIEW

NOTES SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH SCH. 40 PVC TO BE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN. PIPE AND WIRE DEPTHS TO BE A MINIMUM OF 12" DEPTH. SEE SPECIFICATIONS. BACKFILL AND COMPACT TRENCHES TO THEIR ORIGINAL GRADE.

PIPE AND WIRE TRENCHING



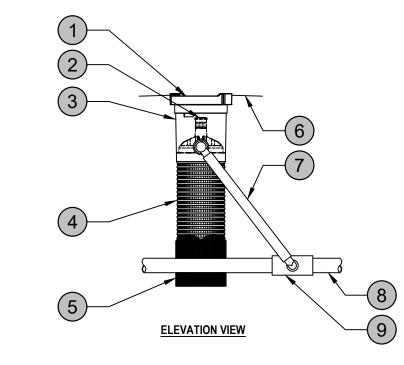
(4) 4" (10.2 CM) WIDE X 18" (45.7 CM) LONG RIGID BASKET WEAVE CANISTER (INCLUDED)

1 4" (10.2 CM) LOCKING GRATE (INCLUDED)

(5) OPTIONAL SOCK (RWS-SOCK) FOR SANDY SOILS

(6) FINISH GRADE/TOP OF MULCH (7) 1/2" (1.3 CM) SWING ASSEMBLY: RAINBIRD SA-125050 OR 1/2" (1.3 CM) SWING PIPE: RAINBIRD SP SERIES WITH 1/2" (1.3 CM) MALE NPT X 0.490" BARB ELBOW: RAINBIRD SBE-050.

(8) PVC OR POLYETHYLENE LATERAL PIPE (9) PVC SCH. 40 TEE OR EL



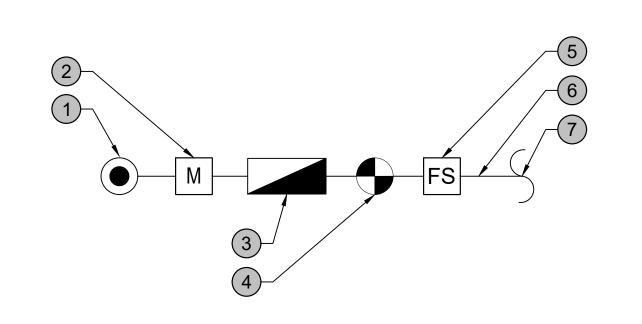
1. 4" (10.2 CM) GRATE IS BLACK (RWSGRATE)

INSTALL PRODUCT SO THAT THE GRATE IS EVEN WITH FINISH GRADE. OPTIONAL SAND SOCK (RWS-SOCK) IS 34" (86.4 CM) IN LENGTH, CUT TO LENGTH NEEDED TO COVER MESH BASKET AREA.

WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" (1.9 CM) GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION. ONCE RWS HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.

INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

BUBBLER: ROOT WATERING SYSTEM



(1) POINT OF CONNECTION. VERIFY LOCATION IN FIELD

(2) WATER METER AS APPROVED PER CITY REQUIEMENTS (3) BACKFLOW PREVENTION DEVICE AS APPROVED PER CITY

REQUIREMENTS. (4) MASTER VALVE (5) FLOW SENSOR.

(6) IRRIGATION MAINLINE (SEE LEGEND FOR SIZE.)

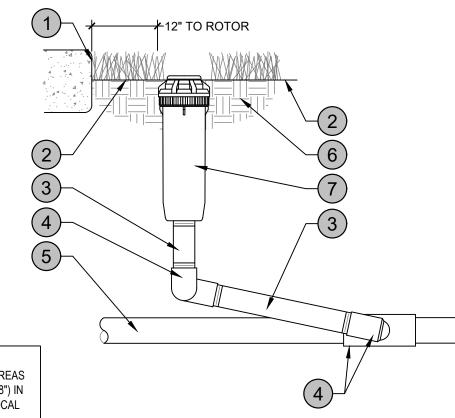
7 TO VALVES.

POINT OF CONNECTION

1 EDGE OF PAVEMENT (2) FINISH GRADE. (3) PVC SCH. 80 NIPPLE (LENGTH AS REQUIRED)

4 PVC SCH. 40 STREET ELL (5) PVC LATERAL PIPE

(6) SUB-GRADE 7) RAINBIRD ROTOR BODY AND NOZZLE AS INDICATED ON PLAN.



NOTES

SEE IRRIGATION SCHEDULE

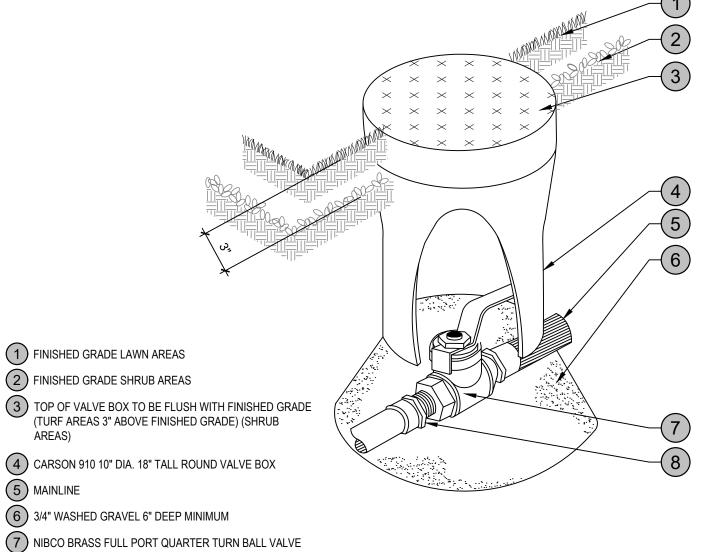
AND REQUIREMENTS.

FOR FULL DETAILS, SIZING

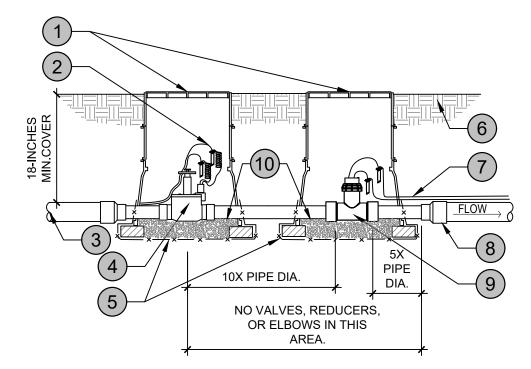
MAY NOT BE USED IN LANDSCAPE AREAS LESS THAN FORTY-EIGHT INCHES (48") IN LENGTH OR WIDTH (VERIFY WITH LOCAL CITY ORDINANCE.)

IN AREAS WITH ELEVATION CHANGES, CONTRACTOR SHALL SPECIFY SEAL-A-MATIC (SAM) ON THE ZONES LOWEST HEADS.

ROTOR POP-UP HEAD



NO. T-FP-600A-LF (8) SCH. 80 PVC MALE ADAPTER



(1) 14"X19" RECTANGULAR VALVE BOX WITH PURPLE COVER AND 6" EXTENSIONS AS REQUIRED (TYP.) STAMP VALVE BOX WITH 'FS' AND 'MV' PER SPECIFICATIONS.

(2) WATERPROOF WIRE CONNECTORS, ON 18" LOOPED WIRES.

(3) PVC MAINLINE FROM BACKFLOW DEVICE

(4) MASTER VALVE: RAINBIRD PESB-R WITH LXIVMSOL (5) AT BOTTOM OF EACH BOX: 1/2" WIRE CLOTH GOPHER

SCREEN, WRAP UP SIDES, OVER BRICKS 4 PER BOX. 6 FINISHED GRADE.

(7) DIRECT BURIAL CABLE (RE: NOTE BELOW) (8) REDUCER AS REQUIRED

(9) FLOW SENSOR: RAINBIRD FS200P WITH LXIVMSEN (10) 3/4-INCH WASHED GRAVEL (TYP.)

CONDUCTOR SIZE 20 AWG. DO NOT EXCEED 2,000 FEET IN LAYING DISTANCE FROM FLOW SENSOR TO IRRIGATION CONTROLLER. SIZE FLOW SENSOR BASED ON REQUIRED GPM NEEDED ON PROJECT. MINIMUM DISTANCES BETWEEN ANY FITTING OR VALVE AND FLOW SENSOR ARE NOTED ABOVE.

1. DIRECT BURIAL 1 PAIR, TWISTED

SHIELDED CABLE-MINIMUM

MASTER VALVE AND FLOW SENSOR

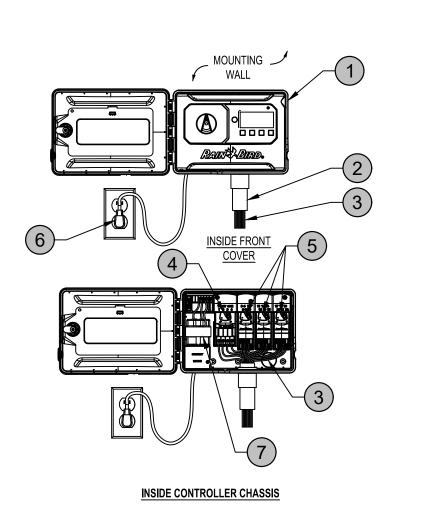
(1) MODULAR HYBRID CONTROLLER: RAIN BIRD ESP-ME3 W/ RAIN FREEZE COMBO WR2-RFC, ATTACH TO ELECTRICAL RACK.

(2) 1-INCH PVC SCH. 40 CONDUIT AND FITTINGS. (3) WIRES TO REMOTE CONTROL VALVES.

4 STANDARD MODULE FOR 4-STATION CONTROLLERS. 5 OPTIONAL MODULES FOR 22-STATION

CONTROLLER. 6 STANDARD 120 V PLUG, WEATHERPROOF OUTLET.

7 120 VAC, 60 HZ INTERNAL TRANSFORMER.



ESP-ME3 MODULAR HYBRID CONTROLLER

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Conroe, TX 77304

Tel: 936.756.3041

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DRAWER | PDK

CHECKER | CTW **ISSUANCES & REVISIONS** DESCRIPTION 100% DD 05/09/2025 60% CD 90% CD

06/13/2025 08/19/2025

IRRIGATION DETAILS

PLANT_SCHEDULE DETAIL COMMON NAME BOTANICAL NAME REMARKS SOD/HYDROSEED CLEANED OF ANY DEBRIS. FULL AND WEED FREE. SOLID SOD MINIMUM 3' WIDE ALONG ALL IMPERVIOUS AREAS UNLESS 122,000 sf A1/L3.21 (SOD) COMMON BERMUDAGRASS | Cynodon dactylon SPECIFIED ON PLANS. BURDITT CONSULTANTS, LLC. HYDROSEED ALL DISTURBED AREAS WITH BERMUDAGRASS CYNODON DACTYLON.
 SOLID SOD SHALL BE USED IN SWALES, EARTHEN BERMS OR OTHER AREAS SUBJECT TO EROSION. ISSUANCE: EXISTING TREE (TYP.) ~ DO NOT DISTURÉ EXISTING GRAVEL TRAIL (TYP.) —

DO NOT DISTURB EXISTING FENCE (TYP.) — DO NOT DISTURB EXISTING LIGHT POST (TYP.) — DO NOT DISTURB WARNING TRACK (TYP.) -REF. HARDSCAPE PLAN ISSUANCES & REVISIONS – WARNING TRACK (TYP.) REF. HARDSCAPE PLAN SCALE AND NORTH ARROW EXISTING BATTING CAGES (TYP.)
DO NOT DISTURB CONNECT TO EXISTING CONCRETE EXISTING COVERED
PAVILION/RESTROOM/
CONCESSION SCALE: 1" = 40' - 0"

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DESIGNER | PDK, CTW DRAWER PDK CHECKER | CTW

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| NO. | DESCRIPTION | DATE |
| 01 | 100% DD | 05/09/2025 |
| 02 | 60% CD | 06/13/2025 |
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PLANTING PLAN

LANDSCAPE NOTES

- 1. NOTIFY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE OF ANY LAYOUT DISCREPANCIES OR ANY CONDITION WHICH MAY PROHIBIT THE INSTALLATION AS SHOWN.
- 2. VERIFY AND LOCATE ALL UTILITIES AND SITE LIGHTING CONDUITS BEFORE LANDSCAPE CONSTRUCTION BEGINS. PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. ALL LANDSCAPE PLANTING AREAS: TO OBTAIN FINAL GRADE, EXCAVATION MAY BE NECESSARY TO ACCEPT THE REQUIRED DEPTH OF TOPSOIL/COMPOST MIX WITH SURFACE DRESSING OR MULCH. ALL BEDS SHALL BE CROWNED TO ANTICIPATE SETTLEMENT AND ENSURE DRAINAGE WITHOUT DISRUPTING SURROUNDING PLANNED DRAINAGE PATHS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE
- PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. 4. ALL NEWLY PLANTED LANDSCAPED AREAS WILL BE IRRIGATED WITH AN UNDERGROUND AUTOMATIC SYSTEM. 5. QUANTITIES SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY. PLANT SPACING IS AS INDICATED IN THE PLANT MATERIAL LIST UNLESS OTHERWISE NOTED. THE CONTRACTOR HAS FULL RESPONSIBILITY TO PROVIDE
- COVERAGE IN ALL PLANTING AREAS AS SPECIFIED. 6. ALL TREES, SHRUBS, AND GROUNDCOVERS SHALL BE INSTALLED PER PLANTING DETAILS.

7. FOR EROSION CONTROL THROUGHOUT THE PROJECT AND THE MAINTENANCE PERIOD FOR TURFGRASS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE TOPSOIL IN PLACE AT SPECIFIED GRADES. TOPSOIL AND TURFGRASS LOSSES DUE TO EROSION WILL BE REPLACED BY THE CONTRACTOR UNTIL ESTABLISHMENT

AND ACCEPTANCE IS ACHIEVED. 8. CONTRACTOR TO HYDROSEED ALL DISTURBED AREAS.

9. FOR SOIL PREPARATION ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION, EXCEPT THOSE OCCUPIED BY BUILDINGS, STRUCTURES, OR PAVING SHALL BE GRADED SMOOTH AND FOUR INCHES (4") OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ONSITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL AS APPROVED BY THE OWNER. THE AREA SHALL BE DRESSED TO TYPICAL SECTIONS AND PLOWED TO A DEPTH OF FIVE INCHES (5"). SOIL SHALL BE FURTHER PREPARED BY THE REMOVAL OF DEBRIS, WEEDS AND STONES LARGER THAN 3/4 INCH IN DIAMETER. AFTER TILLAGE AND CLEANING, ALL AREAS TO RECEIVE TURF SHALL BE LEVELED, FINE GRADED, AND DRUG WITH A WEIGHTED SPIKE HARROW OR FLOAT DRAG.

10. TURFGRASS SOD SHALL BE AS PER LANDSCAPE PLAN. SOD SHALL CONSIST OF STOLONS, LEAF BLADES, RHIZOMES AND ROOTS WITH A HEALTHY, VIRILE SYSTEM OF DENSE, THICKLY MATTED ROOTS THROUGHOUT THE SOIL OF THE SOD FOR A THICKNESS NOT LESS THAN THREE-QUARTERS (3/4") INCH. SOD SHALL BE ALIVE, HEALTHY, VIGOROUS, FREE OF INSECTS, DISEASE, STONES, AND UNDESIRABLE FOREIGN MATERIALS AND GRASSES. THE GRASS SHALL HAVE BEEN MOWED PRIOR TO SOD CUTTING SO THAT THE HEIGHT OF GRASS SHALL NOT EXCEED TWO INCHES (2"). SOD SHALL HAVE BEEN PRODUCED ON GROWING BEDS OF CLAY-LOAM TOPSOIL. SOD SHALL NOT BE HARVESTED OR PLANTED WHEN ITS MOISTURE CONDITION IS SO EXCESSIVELY WET OR DRY THAT ITS SURVIVAL WILL BE AFFECTED. ALL SOD IS TO BE HARVESTED, DELIVERED, AND PLANTED WITHIN A THIRTY-SIX (36) HOUR PERIOD OF TIME. SOD SHALL BE PROTECTED FROM EXPOSURE TO

WIND, SUN, AND FREEZING. SHOULD INSTALLATION OCCUR BETWEEN NOVEMBER AND MARCH, SOD SHALL INCLUDE AN OVER-SEED OF ANNUAL RYE FOR A GROWN-IN APPEARANCE. 11. IN THE ABSENCE OF AN IRRIGATION SYSTEM OR AREAS BEYOND THE COVERAGE LIMITS OF A PERMANENT IRRIGATION SYSTEM, CONTRACTOR SHALL WATER SOD TEMPORARILY TO DEVELOP ADEQUATE GROWTH AND ESTABLISHMENT BEFORE REGULAR MAINTENANCE BEGINS. TURF SHALL BE WATERED UNTIL FIRMLY

- 12. WATER SHALL BE FURNISHED BY THE CONTRACTOR WITH MEANS AND METHODS AVAILABLE TO ACHIEVE ACCEPTABLE TURF. THE WATER SOURCE SHALL BE CLEAN AND FREE OF INDUSTRIAL WASTES OR OTHER
- SUBSTANCES HARMFUL TO THE GROWTH OF THE TURF. 13. VEGETATION SHOULD BE INSPECTED REGULARLY TO ENSURE THAT PLANT MATERIAL IS ESTABLISHED PROPERLY AND REMAINS HEALTHY. MOWING, TRIMMING AND SUPERVISION OF WATER APPLICATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE OWNER OR OWNER'S REPRESENTATIVE ACCEPTS
- AND ASSUMES REGULAR MAINTENANCE. 14. TOPSOIL SALVAGED FROM THE SITE MAY BE USED PROVIDED IT MEETS THE BELOW SPECIFICATIONS AS
- 15. TOPSOIL SHALL BE A CLEANED SANDY LOAM. TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING
- TEXTURED SOILS AND SHALL CONTAIN NO ROOTS, GRAVEL, ROCKS, AND UNDESIRABLE OBJECTS. 16. THE SUBSOIL SHALL BE TILLED TO A MINIMUM DEPTH OF SIX INCHES (6") BEFORE PLACEMENT OF TOPSOIL. 17. MAINTAIN EROSION AND SEDIMENT CONTROL PRACTICES DURING TOPSOILING AND AFTER UNTIL
- ESTABLISHMENT OF GRASS. 18. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4
- 19. ANY IRREGULARITIES IN THE SURFACE SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS.
- 20. TOPSOIL SHALL NOT BE PLACED WHILE TOPSOIL IS IN A FROZEN OR MUDDY CONDITION AND WHILE SUBSOIL IS EXCESSIVELY WET.

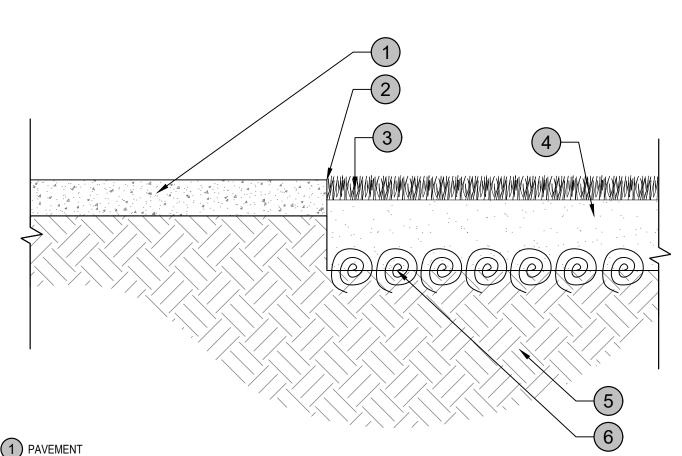


PREPARE TOPSOIL (4" - 6" DEPTH, FINE GRADED AND COMPACTED

3 SUBGRADE

1. GRADE SMOOTH, FIRM, AND FREE OF RUTS. ENSURE POSITIVE DRAINAGE.

(B1) HYDROSEED DETAIL



1 PAVEMENT 2 TOP OF SOD TO BE FLUSH 3 GRASS SOD 4 TOPSOIL 5 SUBSOIL

6 TILL SUBSOIL TO A DEPTH OF 6"

IF THIS LINE DOES NOT MEASURE ONE

INCH THIS DRAWING IS NOT TO SCALE AND SHOULD NOT BE SCALED FOR

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ISSUANCES & REVISIONS

05/09/2025

08/19/2025

DESCRIPTION

DESIGNER | PDK, CTW

DRAWER | PDK

CHECKER | CTW

100% DD

02 60% CD

3 90% CD

Land|Place

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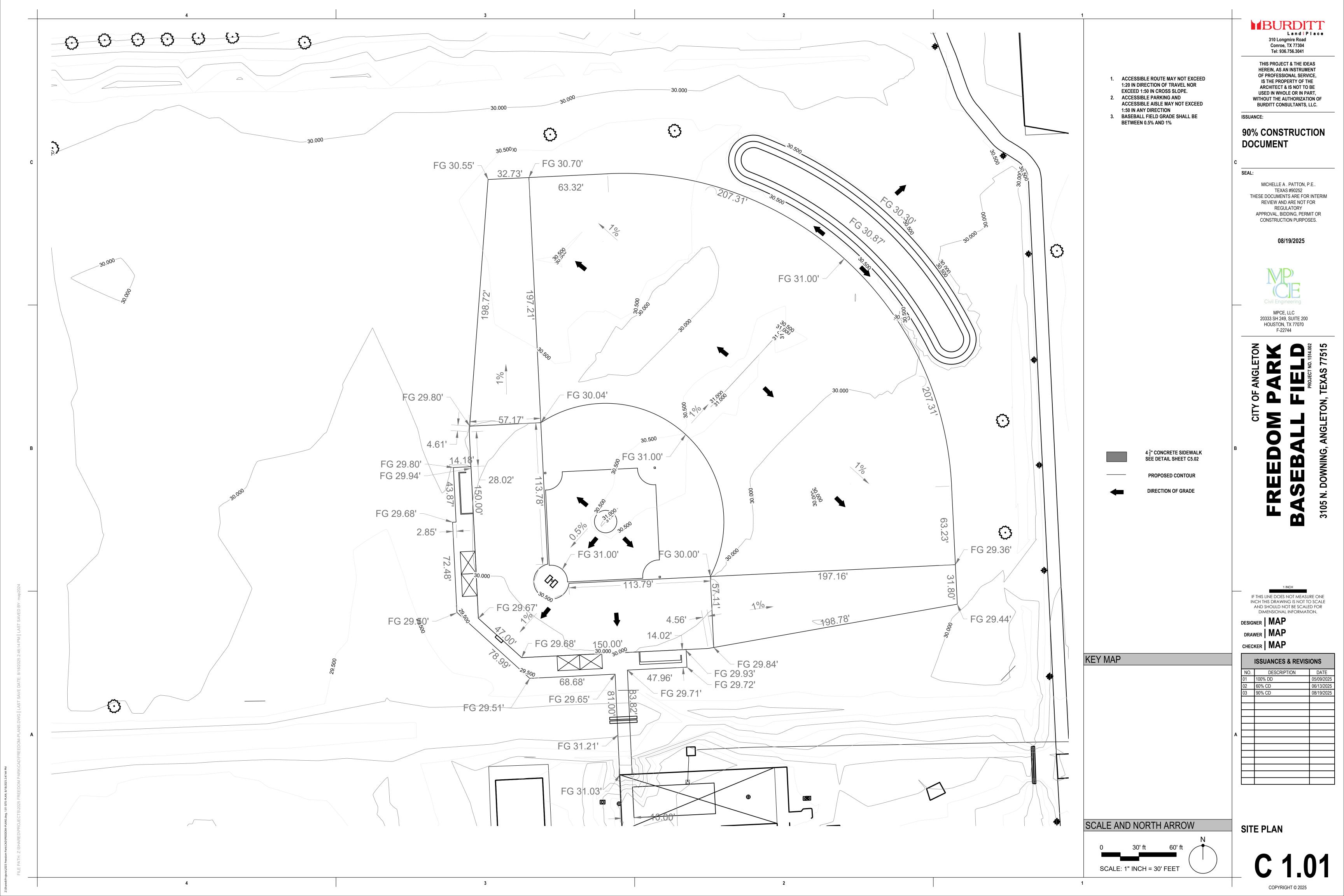
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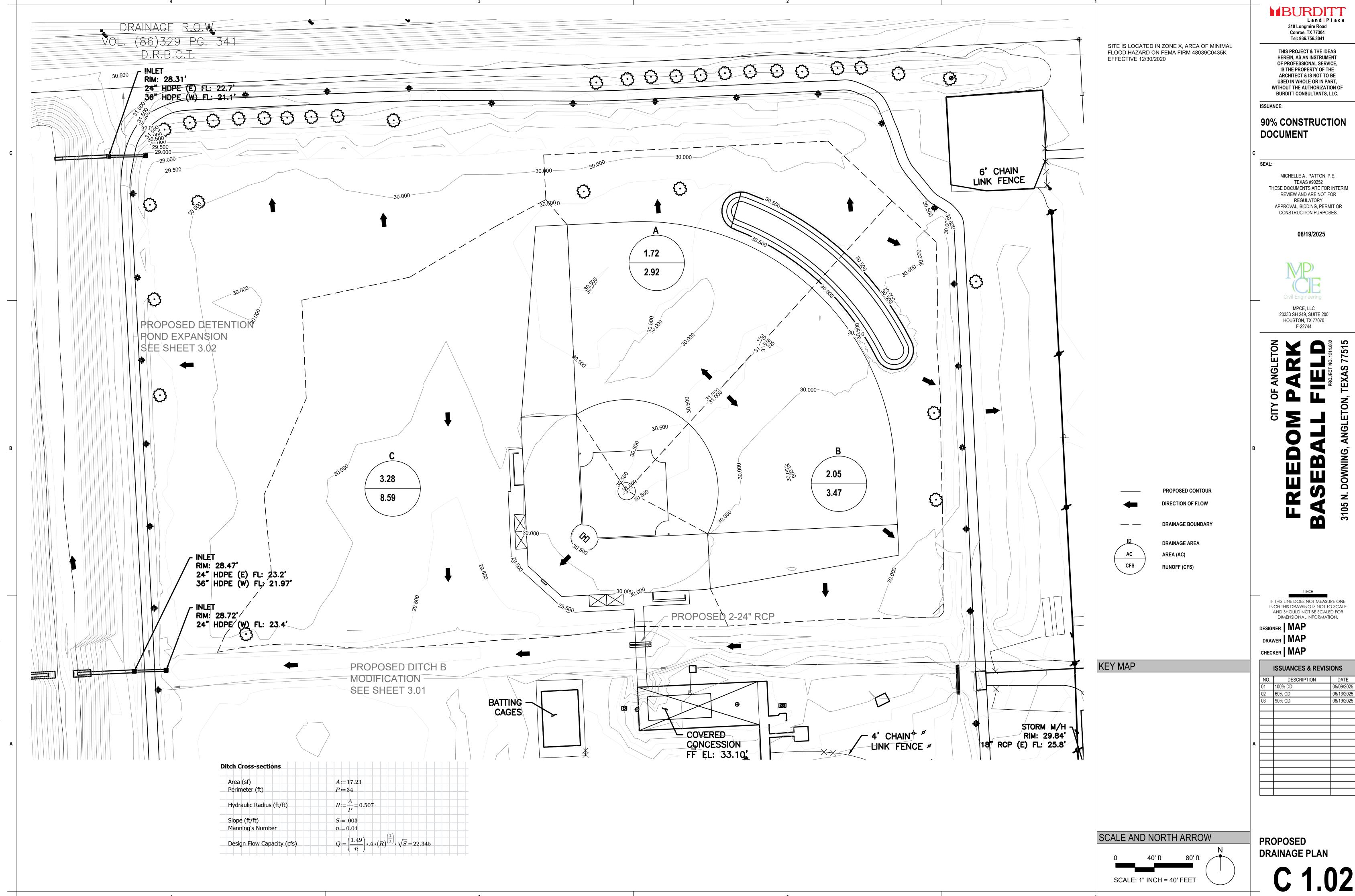
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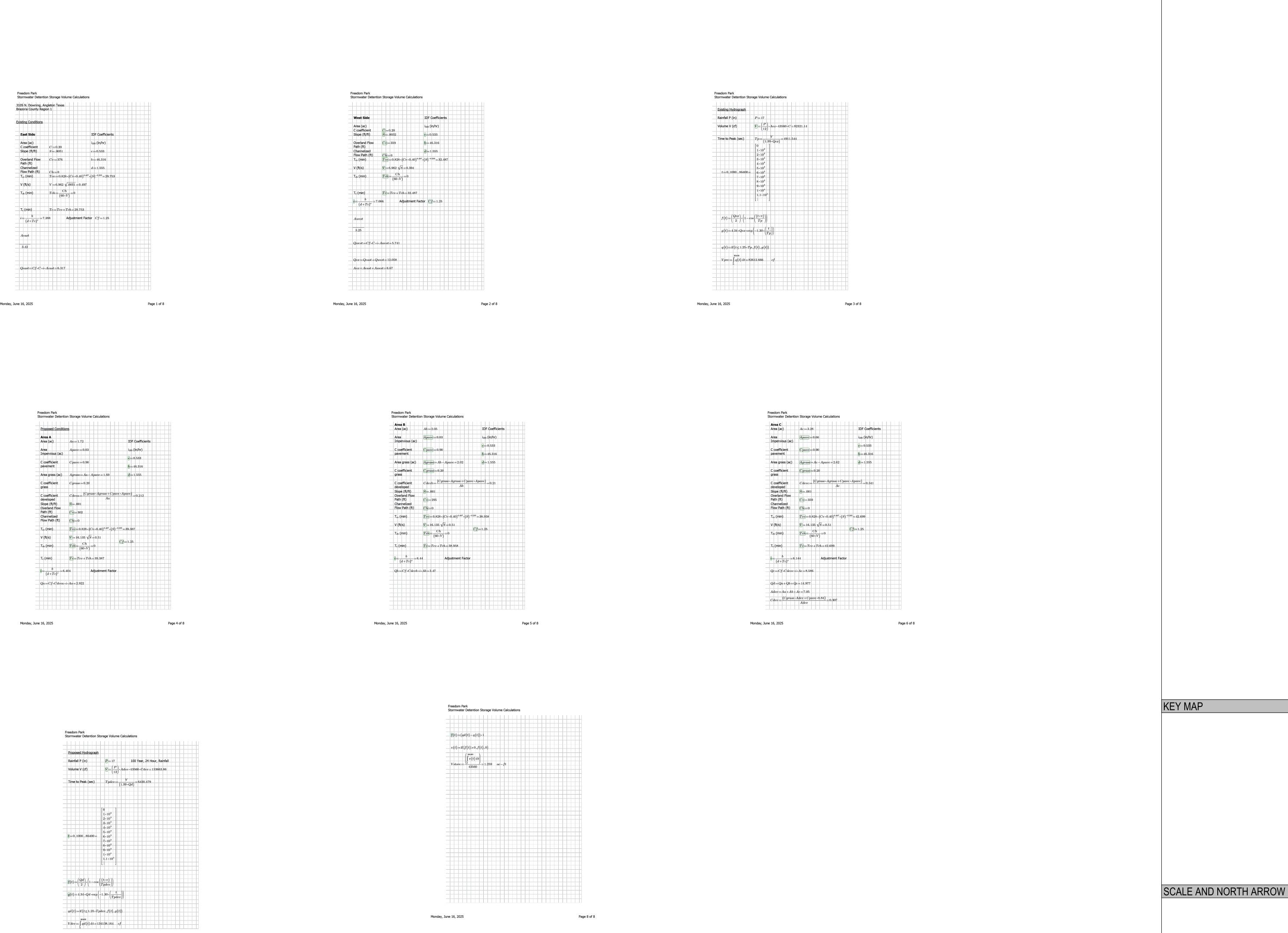
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PLANTING DETAILS

(A2) PLANTING GENERAL NOTES







Monday, June 16, 2025

Page 7 of 8

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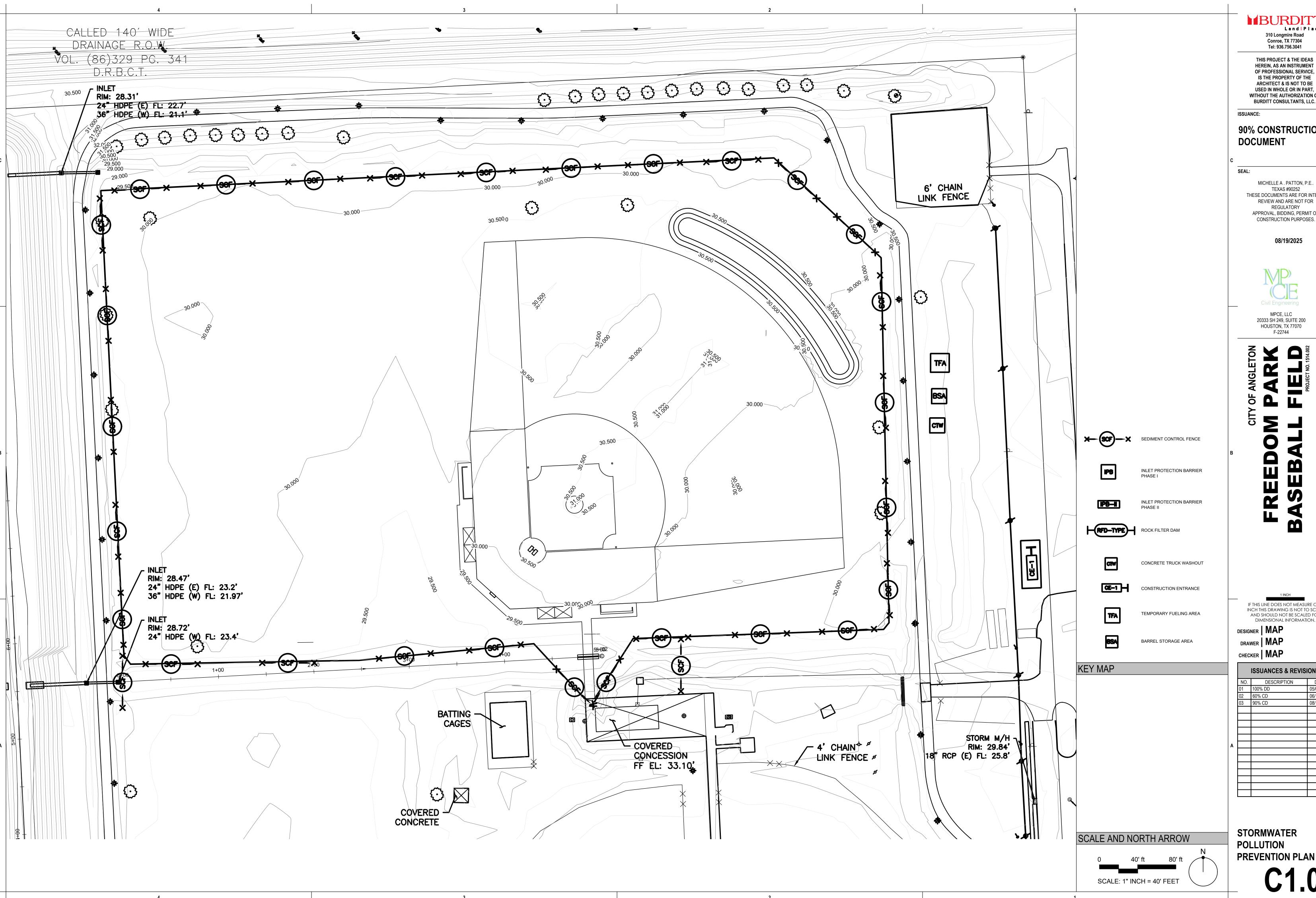
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DRAINAGE CALCULATIONS



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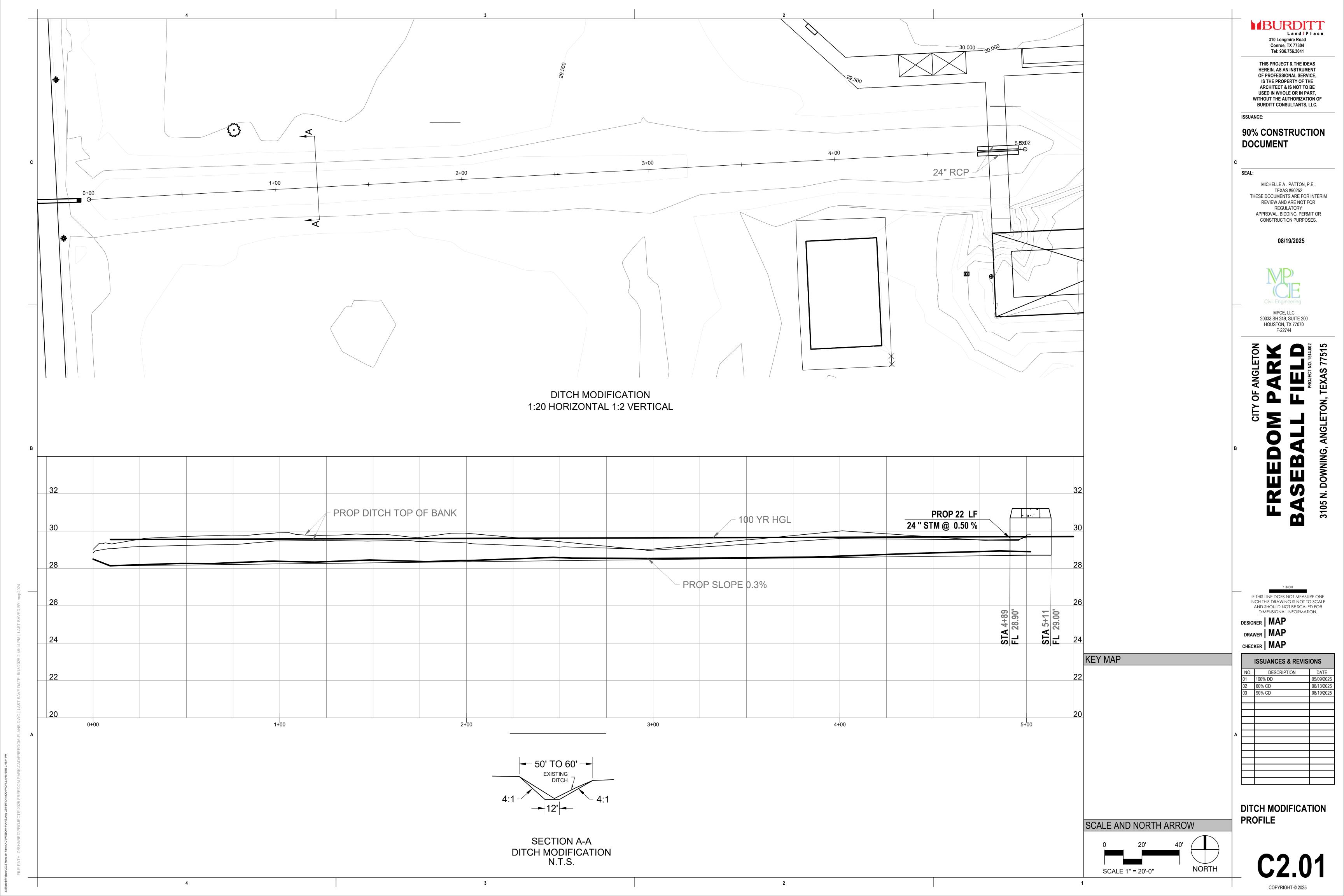
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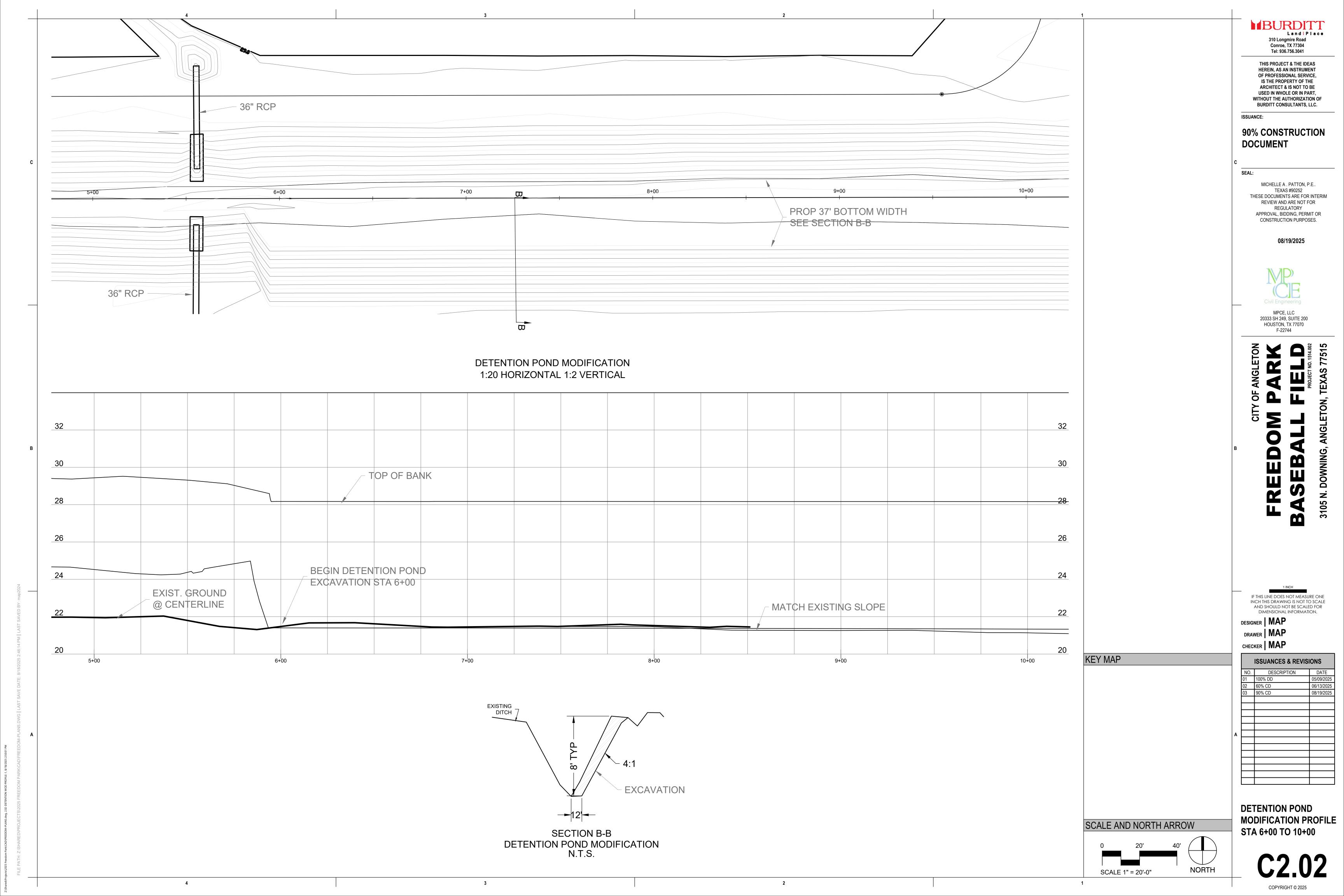
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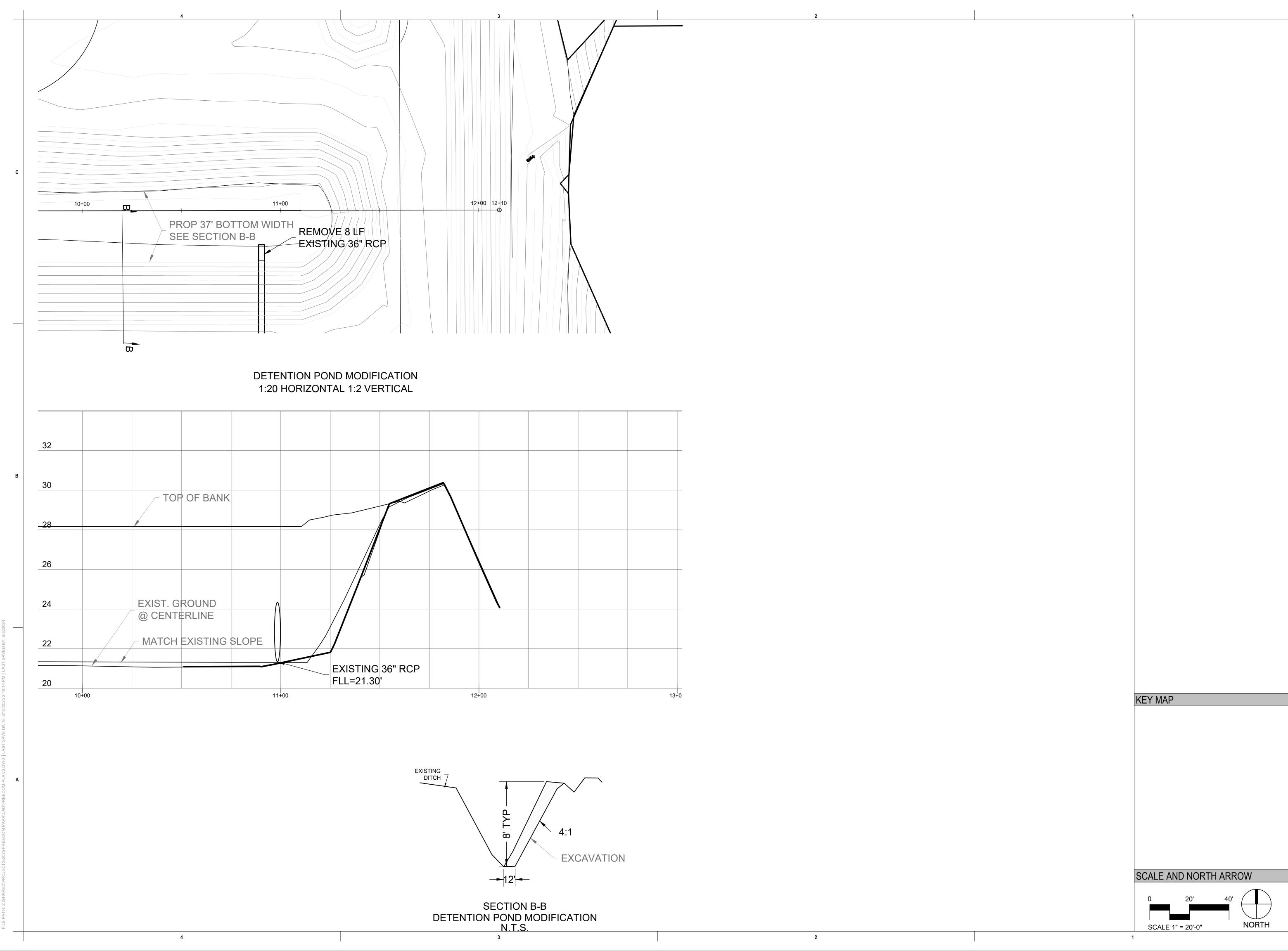
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PREVENTION PLAN







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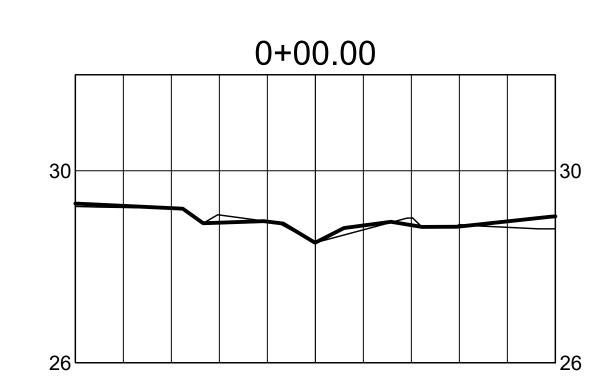
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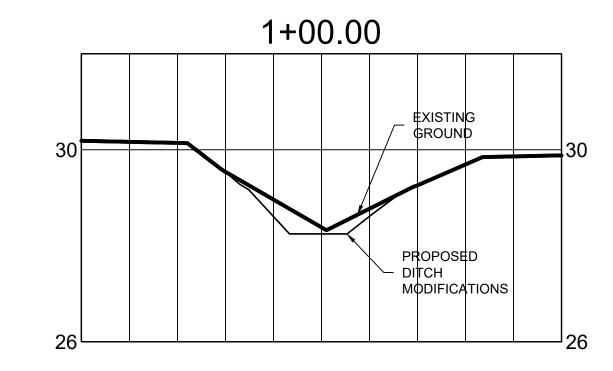
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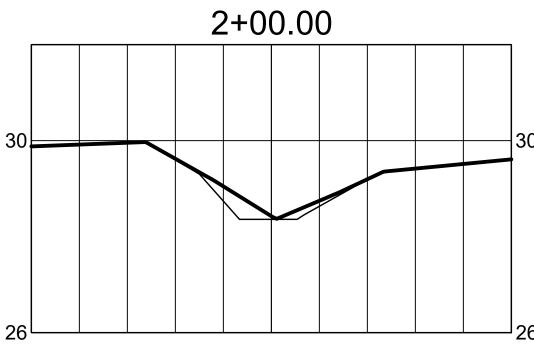
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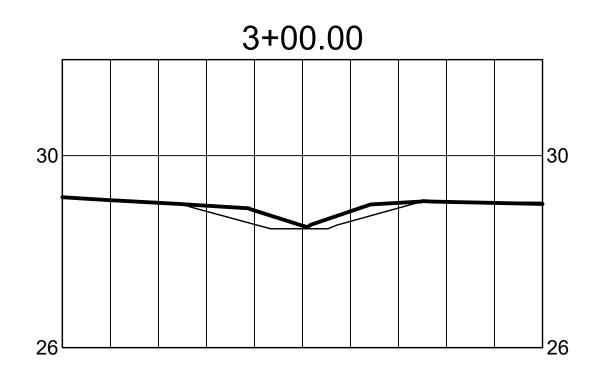
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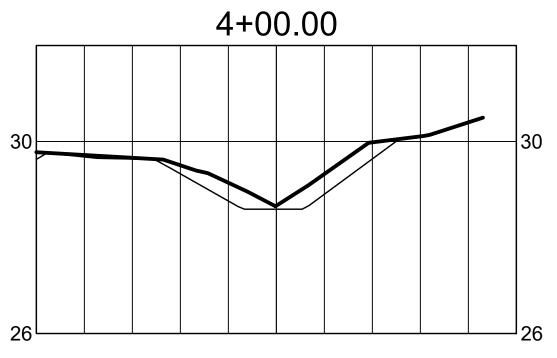
DETENTION POND MODIFICATION PROFILE STA 10+00 TO 12+10

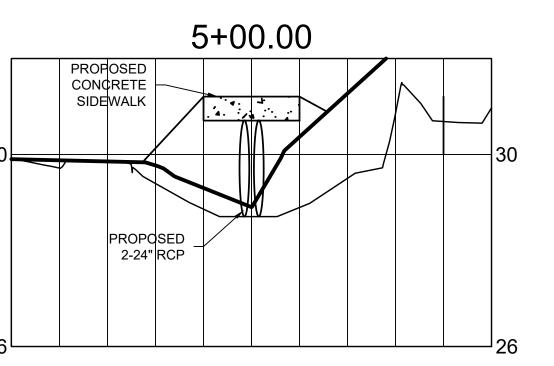












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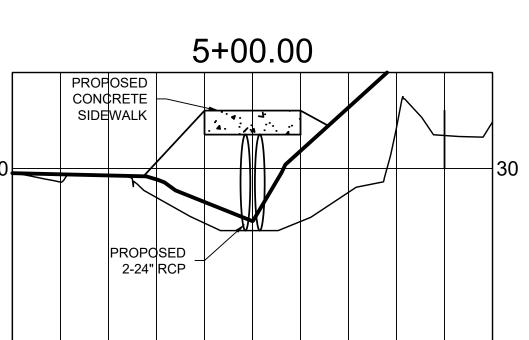
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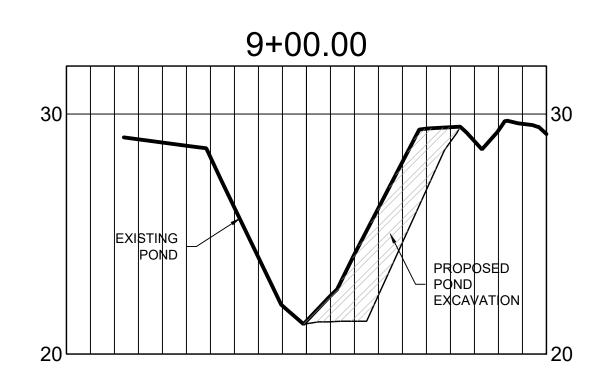
SCALE AND NORTH ARROW

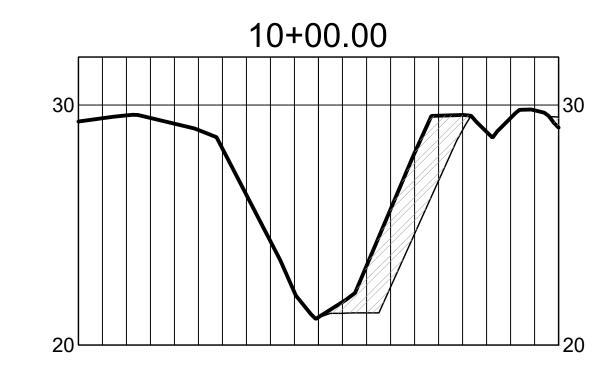
SCALE 1" = 20'-0"

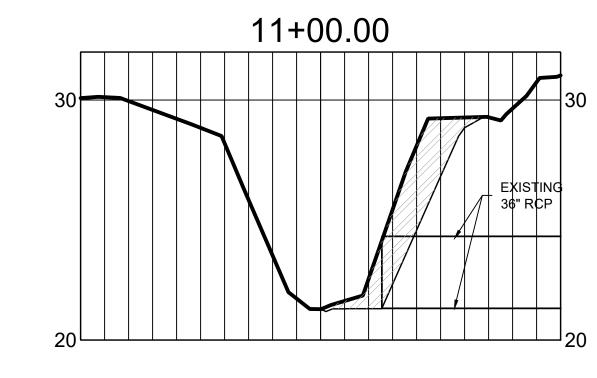
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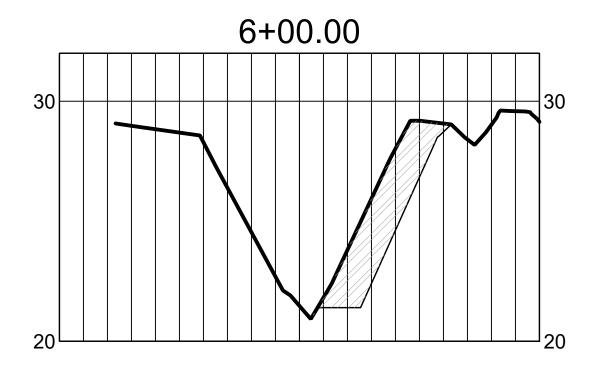
DITCH MODIFICATION SECTIONS

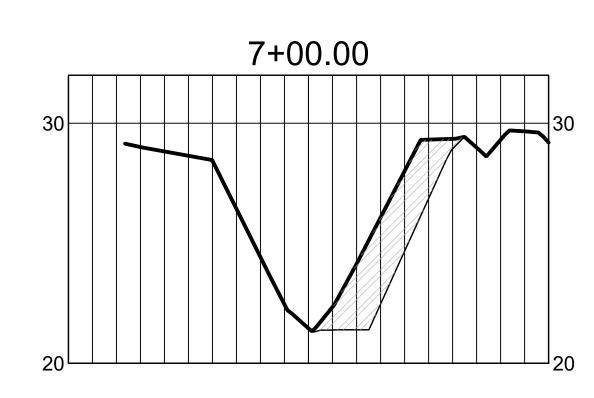


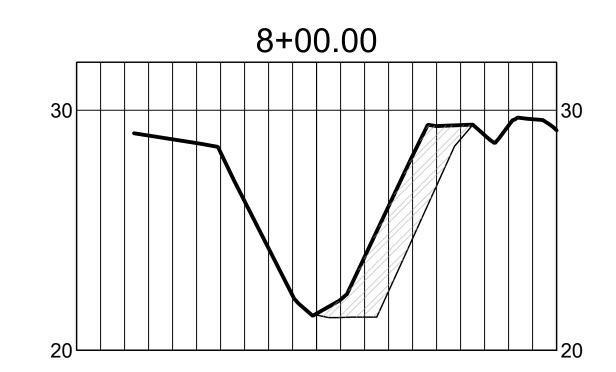












REQUIRED DETENTION VOLUME: 1.26 AC-FT=2031 CY DETENTION VOLUME PROVIDED: 1.654 AC-FT=2668 CY SEE SHEET 1.03 FOR CALCULATIONS

| | | | Total V | /olume Ta | ble | | |
|----------|----------|-----------|---------|-----------|-------------|--------------|---------|
| Station | Cut Area | Fill Area | Cut Vol | Fill Vol | Cum Cut Vol | Cum Fill Vol | Net Vol |
| 0+00.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1+00.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2+00.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3+00.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4+00.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5+00.00 | 0.00 | 0.02 | 0.00 | 0.03 | 0.00 | 0.03 | -0.03 |
| 6+00.00 | 125.42 | 0.00 | 232.26 | 0.03 | 232.26 | 0.06 | 232.20 |
| 7+00.00 | 137.50 | 0.00 | 486.89 | 0.00 | 719.16 | 0.06 | 719.09 |
| 8+00.00 | 135.24 | 0.00 | 505.08 | 0.00 | 1224.23 | 0.06 | 1224.17 |
| 9+00.00 | 141.40 | 0.00 | 512.30 | 0.00 | 1736.53 | 0.06 | 1736.47 |
| 10+00.00 | 124.11 | 0.93 | 491.69 | 1.72 | 2228.22 | 1.79 | 2226.43 |
| 11+00.00 | 113.55 | 0.00 | 440.13 | 1.72 | 2668.35 | 3.51 | 2664.83 |

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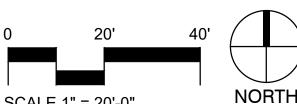
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DESIGNER | MAP DRAWER MAP CHECKER | MAP

KEY MAP

| | ISSUANCES & REVISI | ONS |
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SCALE AND NORTH ARROW



|) | 20' | 40' | | |
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| | | | | |
| SCALE | 1" = 20'-0" | ' | NOI | RTI |

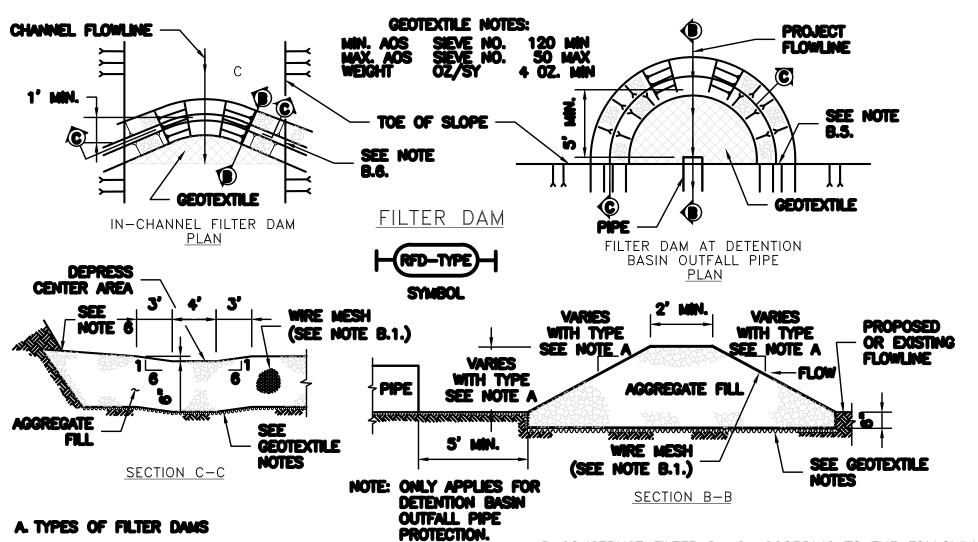
DETENTION POND

MODIFICATION

SECTIONS

SECURELY FASTEN MESH FENCING TO POSTS WITH STAPLES, TIE WIRES, OR RINGS.
SECURELY FASTEN FILTER FABRIC TO MESH FENCING.
WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, OVERLAP 6 INCHES AT A POST, FOLD together, and attach to a post.

remove sediment deposits when silt reaches one—third of the height of the fence in depth.



A. TYPES OF FILTER DAMS

1. TYPE 1 (NON-REINFORCED)

a. HEIGHT - 18-24 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM. b. TOP WIDTH - 2 FEET (MINIMUM)

c. SLOPES - 2:1 (MAXIMUM).

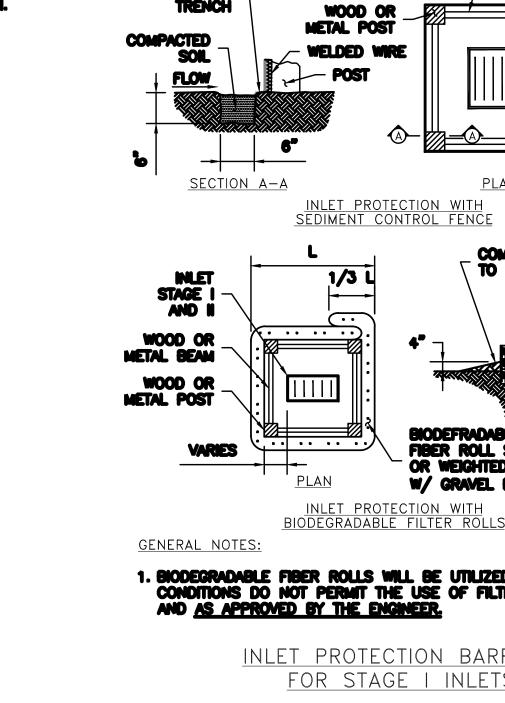
2. TYPE 2 (REINFORCED).
a. HEIGHT - 18-36 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM. b. TOP WIDTH - 2 FEET (MINIMUM).

c. SLOPES - 2:1 (MAXIMÚM). 3. TYPE 3 (REINFORCED)

a. HEIGHT - 36-48 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM. b. TOP WIDTH - 2 FEET (MINIMUM).

c. SLOPES - 3:1 (MAXIMUM). 4. TYPE 4 (GABION)

a. HEIGHT - 30 INCHES (MINIMUM). MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM. b. TOP WIDTH - 2 FEET (MINIMUM).
5. TYPE 5. AS SHOWN ON THE PLANS.



EXTENSION OF

FABRIC INTO

I. BIODEGRADABLE FIBER ROLLS WILL BE UTILIZED ONLY WHEN SITE CONDITIONS DO NOT PERMIT THE USE OF FILTER FABRIC BARRIER and <u>as approved by the engineer</u>

WOOD OR METAL BEAM

<u>PLAN</u>

FIBER ROLL STAKED

OR WEIGHTED DOWN W/ GRAVEL BAGS

COMPACTED SOIL

TO PREVENT PIPING

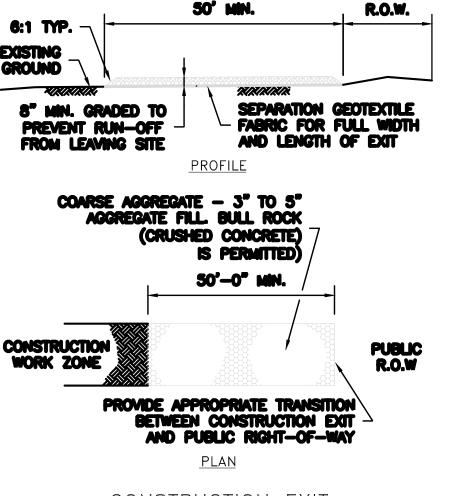
FIBER ROLL

INLET

METAL POST

MELDED W

INLET PROTECTION BARRIERS FOR STAGE | INLETS SYMBOL



CONSTRUCTION EXIT **CE-1** SYMBOL

GENERAL NOTES:

1. MINIMUM LENGTH IS AS SHOWN ON CONSTRUCTION DRAWINGS OR 50 FEET, WHICHEVER IS MORE. 2. CONSTRUCT AND MAINTAIN CONSTRUCTION EXIT WITH CONSTANT WIDTH ACROSS ITS LENGTH, INCLUDING ALL

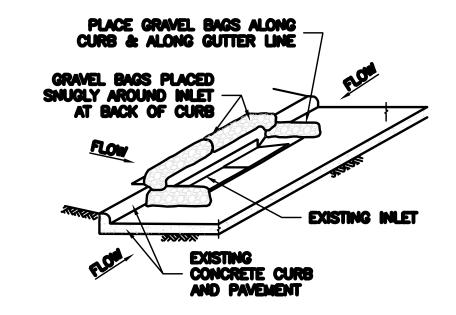
POINTS OF INGRESS OR EGRESS.

3. UNLESS SHOWN ON THE CONSTRUCTION DRAWINGS, STABILIZATION FOR OTHER AREAS WILL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE CONSTRUCTION EXIT.

4. WHEN SHOWN ON THE CONSTRUCTION DRAWINGS WIDEN OR LENGTHEN STABILIZED AREA TO ACCOMMODATE A TRUCK WASHING AREA. PROMDE outlet sediment trap for the truck washing

5. PROVIDE PERIODIC TOP DRESSING WITH ADDITIONAL COARSE AGGREGATE TO MAINTAIN THE REQUIRED DEPTH OR WHEN SURFACE BECOMES PACKED WITH MUD. 6. PERIODICALLY TURN AGGREGATE TO EXPOSE A CLEAN

DRIVING SURFACE.
7. MINIMUM 14 FEET WIDTH FOR ONE WAY TRAFFIC AND 20 FEET WIDTH FOR TWO WAY TRAFFIC.



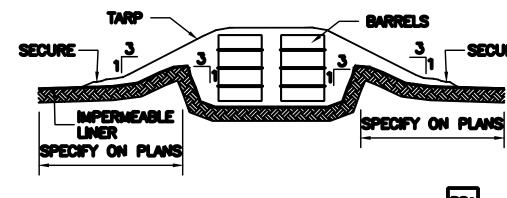
IPB-II INLET PROTECTION BARRIERS SYMBOL FOR STAGE II INLETS

GENERAL NOTES:

1. REMOVE SEDIMENT DEPOSIT WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT

OF THE BARRIER. 2. GRAVEL BAGS SHALL NOT BLOCK THROAT OF INLET UNLESS DIRECTED BY ENGINEER.

ROCK/AGGREGATE CONCRETE <u>TRUCK</u> WASHOUT SECTION A-A SYMBOL FENCE ON 3 SIDES **GENERAL NOTES:** PLYWOOD 48"x24" PAINTED WHITE 1. POST A SIGN READING "CONCRETE WASHOUT PIT" NEXT TO THE PIT. **BLACK LETTERS** 10 MIL PLASTIC LINING DRIVERS WHERE THE PIT IS AND TO WASHOUT THEIR TRUCKS IN THE PIT AND 3"x3"x6" NOWHERE ELSE. CONCRETE 3. UPON THE CONCRETE SETTING UP (CURING, DRYING OUT), THE CONCRETE WASTE SHALL BE REMOVED FROM THE PROJECT SITE AND WASHOUT PIT DISPOSED OF PROPERLY BY THE ROCK/AGGREGATE CONTRACTOR. AFTER REMOVAL OF THE (8" THICK MIN.) UNDERLAID WITH CONCRETE WASTE, THE WASHOUT PIT SHALL BE FILLED WITH CLEAN FILL MATERIAL AND COMPACTED TO IN-SITU CONDITIONS, OR AS DIRECTED BY THE PROJECT SPECIFICATIONS. GEOTEXTILE 4. CONCRETE WASHOUT PITS SHALL NOT BE LOCATED DIRECTLY ADJACENT TO, NOR AT ANY TIME DRAIN INTO THE STORM SEWER SYSTEM OR ANY OTHER SWALE, DITCH, OR 5. CONSTRUCT ENTRY ROAD AND BOTTOM OF SIGN DETAIL (OR EQUIVALENT) WASHOUT AREA TO SUPPORT EXPECTED LOADINGS FROM TRUCKS EQUIPMENT. PLAN



3. CONSTRUCT BERMED AREA WITH VOLUME GREATER THAN OR EQUAL TO 110% VOLUME OF BARRELS.

-SECURE BARREL STORAGE ARE

SCALE AND NORTH ARROW

KEY MAP

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SYMBOL

GENERAL NOTES:

1. ALTERNATIVELY, STORE BARRELS IN AN ENCLOSED BUILDING OR SHED.

2. INSTALL IMPERMEABLE LINER AS PER MANUFACTURER'S RECOMMENDATIONS. 60 mil MINIMUM.

1'-0" TYP. VEHICLE WHILE FUELING) N.G. 7 EMBANKMENT ABOVE GROUND -STORAGE TANK & FUEL DISPENSER ASSEMBLY CONCRETE OR GRAVEL ABOVE GROUND TEMPORARY VEHICLE AND EQUIPMENT SYMBOL

GENERAL NOTES:

IMPERMEABLE

1. THE SIZE OF TANK FOUNDATION AREA DEPENDS ON THE SIZE OF ABOVE GROUND STORAGE TANK AND DISPENSER ASSEMBLY.
2. PROVIDE A MINIMUM SLOPE OF 2% TOWARD THE SUMP PIT.

B. CONSTRUCT FILTER DAMS ACCORDING TO THE FOLLOWING CRITERIA

2. PLACE AGGREGATE FILL ON THE WIRE MESH TO HEIGHT AND SLOPES SHOWN ON PLANS OR AS SPECIFIED BY THE

a. 3-5 INCHES FOR ROCK FILTER DAM TYPES 1, 2 AND 4. b. 4-8 INCHES FOR ROCK FILTER DAM TYPE 3.

3. FOLD WIRE MESH AT UPSTREAM SIDE OVER AGGREGATE FILL AND TIGHTLY SECURED TO ITSELF ON THE DOWNSTREAM SIDE

4. IN STREAMS: SECURE OR STAKE MESH TO STREAM BED PRIOR

5. EMBED ONE FOOT MINIMUM INTO SLOPE AND RAISE ONE FOOT

HIGHER THAN CENTER OF DEPRESSED AREA AT SLOPE.

2'-0" MIN.

2% SLOPE

TFA

1. TYPE 2 AND 3 FILTER DAMS: SECURE WITH 20 GAUGE GALVANIZED WOVEN WIRE MESH WITH 1 INCH DIAMETER

UNLESS SHOWN OTHERWISE ON THE PLANS.

HEXAGONAL OPENINGS.

USING WIRE TIES OR RINGS.

TO AGGREGATE PLACEMENT.

ENGINEER.

15'-0"

(AREA FOR PARKING

3. INSTALL IMPERMEABLE LINER AS PER MANUFACTURER'S RECOMMENDATIONS.

FUELING AREA WITH TANK

DESCRIPTION 100% DD 05/09/2025 60% CD 90% CD 08/19/202

IF THIS LINE DOES NOT MEASURE ONE

INCH THIS DRAWING IS NOT TO SCALE

AND SHOULD NOT BE SCALED FOR

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ISSUANCES & REVISIONS

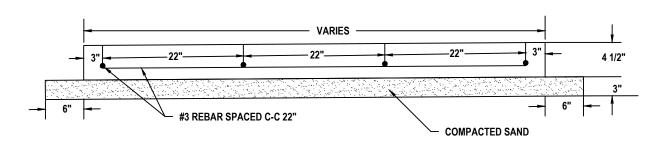
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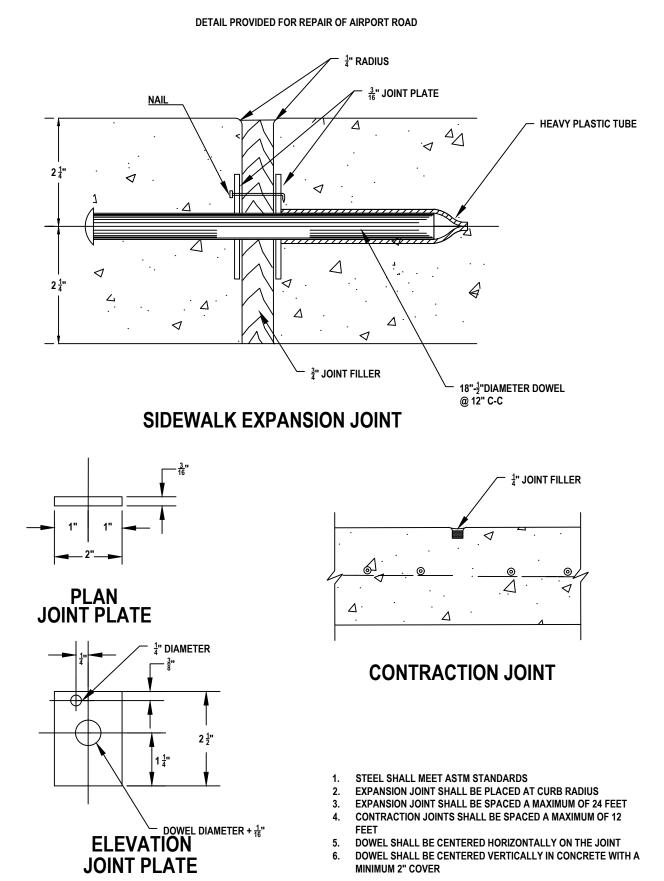
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STORMWATER POLLUTION PREVENTION PLAN **DETAILS**



CONCRETE SIDEWALK

- REINFORCING STEEL SHALL BE fC'=2,500 PSI f=60,000 PSI
 6X6-W2.9XW2.9 WELDED WIRE FABRIC MAY BE USED IN LIEU OF REINFORCING
- EXPANSION JOINTS SPACED AT 40 FEET MAXIMUM OR AS SHOWN ON PLANS.
 SIDEWALK CROSS SLOPE SHALL BE 1:50 MAXIMUM. SEE GRADING PLAN FOR DIRECTION OF CROSS SLOPE.
 CONSTRUCT SIDEWALK TO MAINTAIN DRAINAGE AWAY FROM PROPOSED



5. DOWEL SHALL BE CENTERED HORIZONTALLY ON THE JOINT
6. DOWEL SHALL BE CENTERED VERTICALLY IN CONCRETE WITH A

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ISSUANCE:

90% CONSTRUCTION **DOCUMENT**

MICHELLE A . PATTON, P.E.. TEXAS #90252 THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT FOR REGULATORY APPROVAL, BIDDING, PERMIT OR CONSTRUCTION PURPOSES.

08/19/2025



MPCE, LLC 20333 SH 249, SUITE 200

HOUSTON, TX 77070 F-22744

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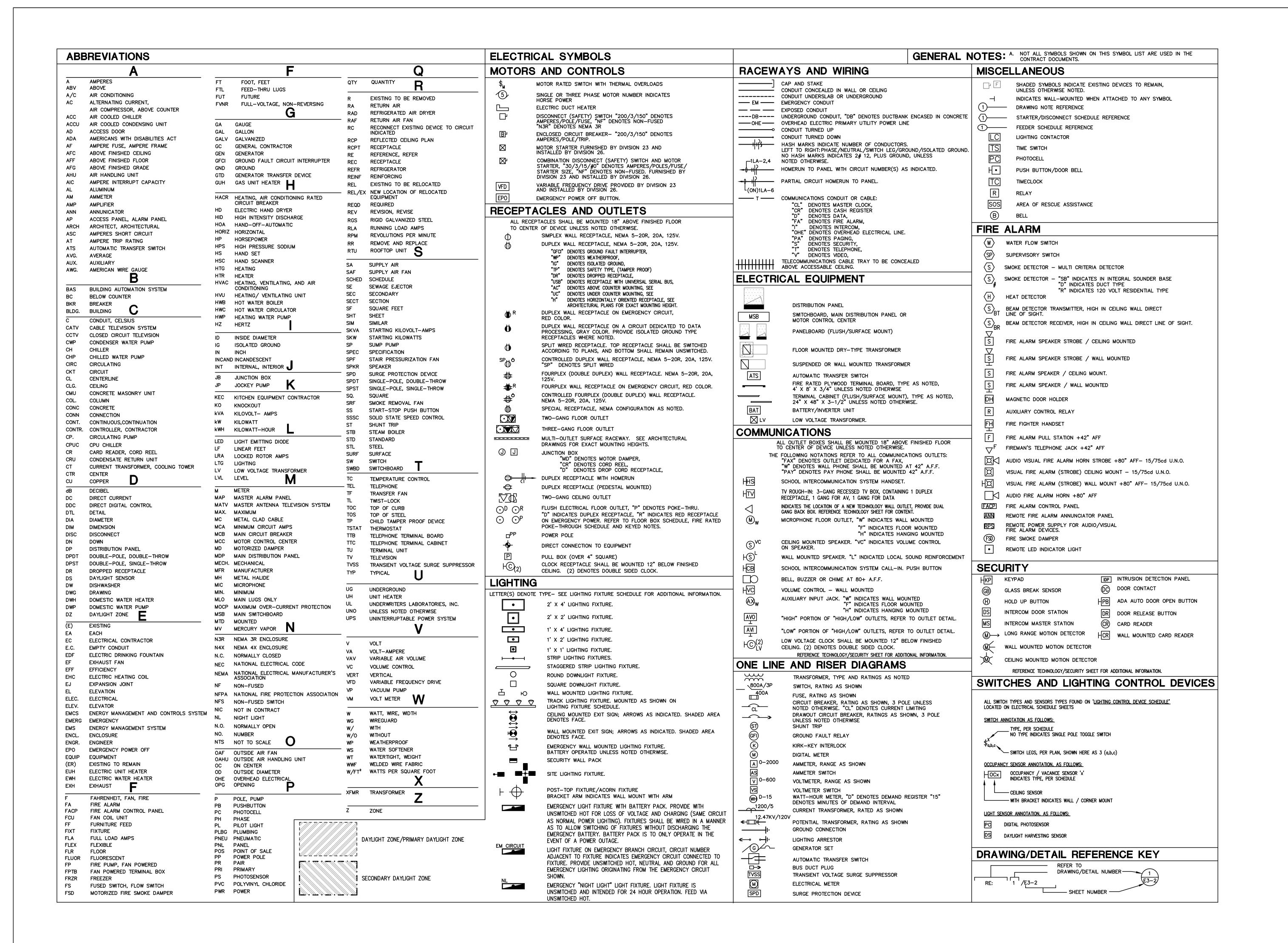
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 100% DD
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 06/13/2025 08/19/2025 02 60% CD 03 90% CD

SCALE AND NORTH ARROW

KEY MAP

DETAILS

MISCELLANEOUS



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ANGLETON,

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ELECTRICAL SYMBOL LEGEND

GENERAL DEMOLITION SCOPE NOTES:

- A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRESENT ON SITE PRIOR TO BIDDING, AND SHALL BE EXPECTED TO PERFORM DEMOLITION AND INSTALL NEW AS SHOWN ON THE DOCUMENTS, INCLUDING SCOPE THAT MAY NOT FEASIBLY BE INDICATED ON PLAN.
- B. CONTRACTOR SHALL VERIFY AND DOCUMENT EXISTING CONDITIONS OF ALL OUTLETS (AS DEFINED BY NEC) THAT ARE INDICATED OR REQUIRED TO BE REMOVED AND REINSTALLED TO FACILITATE THE WORK REQUIRED BY ALL TRADES. WHERE OUTLETS ARE REINSTALLED IN NON-OPERABLE CONDITION, THE CONTRACTOR SHALL REPLACE AT NO COST TO THE OWNER. DOCUMENT OUTLETS IN NON-WORKING CONDITION PRIOR TO REMOVE AND NOTIFY THE OWNER.
- C. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL TO ALL REMOVED MATERIALS. CONTRACTOR SHALL COORDINATE WITH OWNER FOR LOCATION TO RETURN ANY AND ALL MATERIAL FOR OWNER STORAGE. FAILURE TO TURN OVER REMOVED MATERIAL TO OWNER MAY REQUIRE CONTRACTOR TO REPLACE EQUIPMENT REMOVED WITH NEW.
- D. REMOVE ALL ELECTRICAL DEVICES WITHIN DEMOLISHED WALLS INCLUDING RECEPTACLES, SWITCHES, DATA/TELEPHONE DROPS, FIRE ALARM DEVICES, P/A DEVICES, CONDUIT, AND WRING. REMOVE CONDUIT AND WRING BACK TO PANEL OR LAST ACTIVE JUNCTION BOX. REFER TO ARCHITECTURAL DEMO PLAN. THIS SCOPE MAY NOT BE DIRECTLY IMPLIED BY NOTES ON DEMO PLANS AS IT IS ASSUMED THIS SCOPE EXISTS BASED ON ARCHITECTURAL DEMOLITION PLANS.
- E. REFERENCE FIRE ALARM GENERAL NOTES FOR ASSOCIATED FIRE ALARM SCOPE OF WORK.
- F. ALL ABANDONED CONDUIT AND BOXES FOUND IN CRAWLSPACES, CEILINGS SPACES, CHASES, OR UTILITY SPACES SHALL BE REMOVED. ANY EXISTING CONDUIT THAT IS UNDERGROUND MAY BE ABANDONED.
- G. CONTRACTOR SHALL REVIEW DEMO AND NEW WORK PLANS SIMULTANEOUSLY TO IDENTIFY SCOPE THAT IS TO BE MODIFIED FOR REUSE WITH NEW SCOPE.

GENERAL ELECTRICAL SITE PLAN NOTES:

- A. ALL EQUIPMENT LOCATIONS ARE APPROXIMATE. COORDINATE WITH ARCHITECT/CIVIL PRIOR TO INSTALLATION FOR EXACT EQUIPMENT LOCATION.
- B. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING TO AVOID DAMAGE TO EXISTING POWER, COMMUNICATIONS, SEWER/SANITARY, WATER AND/OR GAS LINES, THAT MAY BE BURIED IN AREA OF NEW CONSTRUCTION OR WHEN DIGGING NEW TRENCH FOR NEW FEEDERS.
- C. COORDINATE ALL WORK WITH ARCHITECTURAL AND CIVIL PLANS BEFORE INSTALLATION OF ALL ELECTRICAL EQUIPMENT GEAR.
- D. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL PULL STRINGS TO ALL UNDERGROUND EMPTY CONDUITS.
- E. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH DATA/COMM
 TECHNOLOGY INSTALLER FOR EXACT NUMBER OF EMPTY CONDUITS AND SIZES
 OF ALL THE UNDERGROUND DATA/COMM CONDUITS.
- F. REFERENCE SPECIFICATIONS FOR MATERIALS AND METHODS.
- G. WHERE CONDUIT PATH CROSSES UNDER EXISTING PAVEMENT, CONTRACTOR SHALL BORE UNDER PAVEMENT.
- H. CONTRACTOR SHALL PROVIDE FLUSH WITH GRADE PULL—BOXES AS REQUIRED EVERY 250' MAXIMUM FOR DIVISION 26 AND 150' FOR DIVISION 27/28.

 SERVICE LATERAL PULL—BOXES SHALL BE COORDINATED WITH THE POWER COMPANY AND THEIR SPECIFICATIONS.

GENERAL LIGHTING DEMOLITION NOTES

- A. ALL FIXTURES REMOVED AND REINSTALL SHALL BE CLEANED PRIOR TO REINSTALLATION.
- B. ALL EXISTING SWITCHING ZONES SHALL REMAIN UNCHANGED UNLESS DIRECTED OTHER ON PLANS.
- C. ALL LIGHT CIRCUIT SHALL BE DEMOLISHED AS REQUIRED BY THE DEMOLITION SCOPE ON THE DOCUMENTS. REPAIR ANY CIRCUITS THAT ARE PARTIALLY DEMOLISHED AND CONTAIN OUTLETS THAT ARE 'NOT IN SCOPE' OR OUTSIDE OF THE LIMITS OF CONSTRUCTION TO WORKING CONDITION. PROVIDE CONDUIT AND BOXES AS NEEDED.
- D. MODIFIED LIGHTING CIRCUITS SHALL NOT EXCEED 80% CIRCUIT LOAD BASED ON CIRCUIT AMPACITY.
- E. ALL REMOVED AND REINSTALLED LIGHT FIXTURES MUST BE CLEANED, RELAMPED AS REQUIRED AND TOUCHED UP WITH PAINT. ALL DAMAGED PARTS MUST BE REPLACED. THE FIXTURES SHALL THEN BE REINSTALLED AS REQUIRED. PROVIDE NEW DRIVERS AS REQUIRED.
- F. ALL EXISTING INTERCOM/SPEAKERS SHALL BE REMOVED AND REINSTALLED AS REQUIRED TO FACILITATE RENOVATION. SUBJECT TO EXISTING EQUIPMENT OPERATION CONDITION VERIFICATION.

GENERAL ELECTRICAL NOTES:

- A. ELECTRICAL DEVICES SHOWN ARE NOT EXACT. ALL DEVICE LOCATIONS SHALL BE VERIFIED WITH ARCHITECTURAL MILLWORK, CASEWORK, AND GENERAL ELEVATION VIEWS.
- B. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, JUNCTION BOXES FOR ALL TECHNOLOGY, LOW VOLTAGE, ACCESS CONTROL SECURITY, SURVEILLANCE, AND OTHER DIVISION 27/28 SCOPE. REFER TO DIVISION 27/28 DRAWINGS AND SPECIFICATIONS FOR ALL WORK REQUIRED. OMISSION OF THIS SCOPE FROM DIV 26 SCOPE OF WORK IS PROHIBITED.
- C. HVAC AND PLUMBING EQUIPMENT LOCATIONS ARE NOT EXACT, AND THE EXACT POINT OF CONNECTION TO EQUIPMENT MAY VARY. COORDINATE EXACT ROUGH—IN REQUIREMENTS IN FIELD AND WITH FINAL SUBMITTALS FOR ALL DIV. 21/22/23 EQUIPMENT.
- D. PROVIDE LABELING OF ALL DEVICES, CONDUIT, PANELS, AND JUNCTION BOXES IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS.
- E. MINIMIZE ROOF PENETRATIONS. WHERE ABLE, ROUTE ALL CONDUIT FOR ROOF MOUNTED EQUIPMENT THROUGH ROOF CURB. CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING NECESSARY WATER

PROOFING AROUND ROOF PENETRATIONS WITH ROOFING INSTALLER

- F. ALL RECEPTACLES LOCATED IN APPARATUS BAY, RESTROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, ELEVATOR PITS OR SHAFTS, ELEVATOR EQUIPMENT ROOMS, SERVING ELECTRIC DRINKING FOUNTAINS OR VENDING MACHINES, LOCATED WITHIN 6' OF A SINK, LOCATED ABOVE A WET COUNTERTOP OR IN A KITCHEN OR COFFEE BAR SHALL BE GFCI. FEED—THRU GFCI/GFI IS PROHIBITED, ALL GFCI/GFI DEVICES SHALL BE PROVIDED WITH INDIVIDUAL TEST/RESET FEATURES.
- G. MULTI-WIRE HOME RUNS SHALL NOT BE ALLOWED. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS. SHARING CONDUIT IS PERMISSIBLE WHERE TOTAL CONDUCTOR AMPACITY DERATING HAS BEEN PERFORMED BY ELECTRICAL CONTRACTOR. THE NEUTRAL IS CONSIDERED CURRENT-CARRYING.
- H. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE. CONTRACTOR MAY PROVIDE NON-TAMPER-RESISTANT RECEPTACLES WHERE NOT REQUIRED PER CURRENT NEC ARTICLE 406.
- I. LABEL ALL CIRCUITS AT ALL JUNCTION BOXES AND OUTLETS (AS DEFINED BY NEC) WITH TYPE-WRITTEN LABEL IDENTIFYING CIRCUIT ON THE BACK OF DEVICE COVER PLATES AND ON COVER OF JUNCTION BOX. IF A BOX HAS MULTIPLE CIRCUITS WITHIN, LABEL ALL CIRCUITS.
- J. PROVIDE TIME DELAY RELAY FOR EACH FAN COIL UNIT (FCU) AND AIR COOLED CONDENSING UNIT (ACCU) TO ALLOW THEM TO START UP IN 30 SECOND INTERVALS IN THE EVENT OF A POWER LOSS.
- K. ALL VFDS, MOTOR STARTERS, OR DISCONNECT SWITCHES SHALL BE SUPPLIED BY DIVISION 23 AND INSTALLED BY DIVISION 26 UNLESS NOTED OTHERWISE. ELECTRICAL CONNECTIONS SHALL BE PROVIDED BY DIVISION 26. DIVISION 26 SHALL COORDINATE WITH DIVISION 23 PRIOR TO ROUGH—IN.
- L. FEED-THRU GFCI/GFI IS PROHIBITED, ALL GFCI/GFI DEVICES SHALL BE PROVIDED WITH INDIVIDUAL TEST/RESET FEATURES.
- M. DRAWINGS ARE DIAGRAMMATIC AND NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL OR THEIR EXACT LOCATION. THE CONTRACTOR SHALL COORDINATE WITH THE VARIOUS TRADES TO AVOID INTERFERENCE BETWEEN DEVICES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE A COMPLETE WORKING SYSTEM WHICH WILL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, AND AHJ.
- N. BRANCH CIRCUITS SHALL NOT BE ROUTED UNDER SLAB EXCEPT AS SHOWN. FEEDERS SERVING SWITCHGEAR, DISTRIBUTION PANELS, LIGHTING CLASS PANELBOARDS AND MECHANICAL EQUIPMENT MAY BE INSTALLED UNDER SLAB. FEEDER TO BE ROUTED UNDER SLAB ARE SHOWN AS DASHED LINES, AND OVERHEAD FEEDERS ARE SHOWN AS SOLID, CONTINUOUS LINES. REFER TO FLOOR PLANS AND ELECTRICAL SYMBOLS LEGEND.
- O. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR ALL EXHAUST FAN CONTROLS. PROVIDE A FAN SWITCH IF INDICATED BY MECHANICAL.
- P. CONTRACTOR SHALL ARRANGE ELECTRICAL EQUIPMENT TO PROVIDE CLEARANCE PER NEC 110.26.
- Q. ALL ELECTRICAL CONDUITS SHALL RUN PERPENDICULAR OR PARALLEL TO THE WALLS, BEAMS, ETC. AND SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUTING. ALL CONDUITS SHALL BE PAINTED AS DIRECTED BY ARCHITECT.
- R. ALL RECEPTACLES DENOTED AS WEATHERPROOF RECEPTACLES SHALL BE WEATHERPROOF WHILE IN USE RECEPTACLES WITH AN OUTLET BOX HOOD LISTED AS "EXTRA DUTY" PER NEC 2020 406.9(B)(1).
- S. CONTRACTOR SHALL INSTALL EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS. INSTALL GROUNDING BUSHINGS WHERE CONCENTRIC OR ECCENTRIC KNOCKOUTS OR REDUCING BUSHINGS ARE USED. BOND ALL BOXES TO EQUIPMENT GROUNDING CONDUCTOR.
- T. NO MORE THAN SIX PHASE CONDUCTORS SHALL BE INSTALLED IN A SINGLE RACEWAY. ANY COMBINATION OF PHASE CONDUCTORS AND GROUNDED (NEUTRAL) CONDUCTORS AND EQUIPMENT GROUND CONDUCTORS IN ANY RACEWAY SHALL NOT EXCEED SEVEN.
- U. ALL CONDUCTORS SHALL BE COPPER; ALUMINUM IS NOT ACCEPTABLE.

GENERAL POWER DEMOLITION NOTES:

- A. GENERAL DEMOLITION NOTES APPLY TO ALL DEMO/REMODELING SCOPE.
- B. WHEN OUTLETS ARE ABANDONED, WIRE MUST BE PULLED OUT OF THE CONDUIT BACK TO THE NEAREST REMAINING BOX OR CABINET. EXPOSED CONDUIT THAT HAS BEEN ABANDONED MUST BE REMOVED.
- C. RE-ESTABLISH SERVICE TO ALL OUTLETS THAT MAY BE INTERRUPTED DUE TO REMODELING WORK.
- D. PROVIDE ALL APPURTENANCES REQUIRED TO REROUTE, RELOCATE, REMOVE OR REINSTALL ALL ITEMS DESCRIBED IN THESE NOTES.
- E. EXISTING CIRCUITS MODIFIED IN FIELD SHALL NOT EXCEED 80% CAPACITY BASED ON AMP-RATING OF CIRCUIT.
- F. DO NOT LEAVE ABANDONED CONDUIT, BOXES, EQUIPMENT, OR ENCLOSURES AFTER DEMOLITION. ALL ABANDONED MATIERAL MUST BE REMOVED.
- G. IDENTIFICATION AND LABELING SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATIONS AND/OR NEW-WORK GENERAL ELECTRICAL NOTES.

THAT WERE MODIFIED WITHIN THIS PROJECT.

- H. CIRCUIT NUMBERS ARE FOR PLAN REFERENCE ONLY. CONTRACTOR SHALL RELABEL ALL CIRCUIT DIRECTORIES WITH LOAD NAMES FOR ALL EXISTING AND NEW PANELS
- I. EXISTING CIRCUIT BREAKERS VACATED DUE TO REMODELING WORK SHALL REMAIN AS SPARE BREAKERS AND TURNED TO THE 'OFF' POSITION.
- J. WHERE INDICATED OR REQUIRED BY OTHER TRADES, CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONNECTIONS TO EXISTING PREWIRED FURNITURE. REMOVE CONDUIT AND WIRING BACK TO LAST ACTIVE JUNCTION. ALL DATA CABLING SHALL BE REMOVED BACK TO LAST ACTIVE JUNCTION AND SALVAGED FOR REINSTALLATION.

LIGHTING GENERAL NOTES:

- A. LIGHTING CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH PERFORMANCE DESCRIPTION INDICATED IN THE LIGHTING CONTROL DEVICE SCHEDULE FOUND ON SCHEDULE SHEETS.
- B. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED UNDER A COMMON COVER PLATE.
- C. PROVIDE LABELING OF ALL CONTROL DEVICES, SWITCH PACKS, LIGHT FIXTURES, JUNCTION BOXES, ETC IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS.
- D. LIGHTING FIXTURE LOCATIONS SHOWN TAKE PRECEDENT IN CEILING LOCATION TO ALL OTHER TRADES. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING OTHER TRADES DO NOT IMPACT SPACING AND/OR OVERLAYMENT OF OTHER DEVICES WHERE LIGHT FIXTURES MUST BE INSTALLED.
- E. REFERENCE SYMBOLS LEGEND FOR LIGHT SWITCH DEVICE NOMENCLATURE AND SWITCH-LEG ASSOCIATIONS.
- F. ALL 2X2, 2X4 FIXTURES INSTALLED IN SUSPENDED GRID CEILING SHALL BE PROVIDED WITH (2) SECONDARY SUPPORT WIRES ANCHORED DIRECTLY TO STRUCTURE.

EMER. LIGHTING GENERAL NOTES:

- A. PROVIDE ALL EMERGENCY LIGHT FIXTURES WITH UNSWITCHED HOT LEG AS DEFINED IN NEC 700.12
- B. ROUTE AN UNSWITCHED HOT LEG TO ALL LIGHT FIXTURES
 DESIGNATED AS EMERGENCY FIXTURES. HOT LEG SHALL
 ORIGINATE FROM CIRCUIT SERVING NORMAL LIGHTING FIXTURES IN
 THAT SPACE. UNSWITCHED HOT LEG SHALL CONNECT TO THE
 NORMAL POWER SENSING LUG ON THE EMERGENCY BATTERY
- C. PROVIDE UN-SWITCHED CIRCUIT TO ALL EXIT SIGNS. PROVIDE LOCK-ON DEVICE FOR BRANCH CIRCUIT BREAKER PER NEC.

FIRE ALARM GENERAL NOTES:

- A. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING TILE.
- B. ALL FIRE ALARM VISUAL AND AUDIO/VISUAL DEVICES SHALL BE CONFIGURED TO PROVIDE CANDELA RATINGS IN ACCORDANCE WITH ADA & NFPA COVERAGES.
- C. ALL WIRING FOR DEVICES IN EXPOSED STRUCTURE AREAS SHALL BE ROUTED WITHIN CONDUIT. NO WIRING SHALL BE ROUTED EXPOSED.
- D. CONTRACTOR SHALL PROVIDE CONDUIT PATHWAYS FOR FIRE ALARM PLENUM CONDUCTORS WHERE REQUIRED TO TRANSIT HARD CEILING AREAS. CONDUIT RACEWAYS SHALL ALLOW ACCESS TO CONDUIT AT EACH END IN ACCESSIBLE LOCATIONS ABOVE CEILINGS.
- E. CONTRACTOR SHALL PROVIDE ADDITIONAL DEVICES AS REQUIRED BY FIRE ALARM SHOP DRAWINGS TO MEET CODE—MINIMUM DEVICE COVERAGE.
- L. ALERTING SYSTEM SHALL BE PROVIDED BY OWNER.

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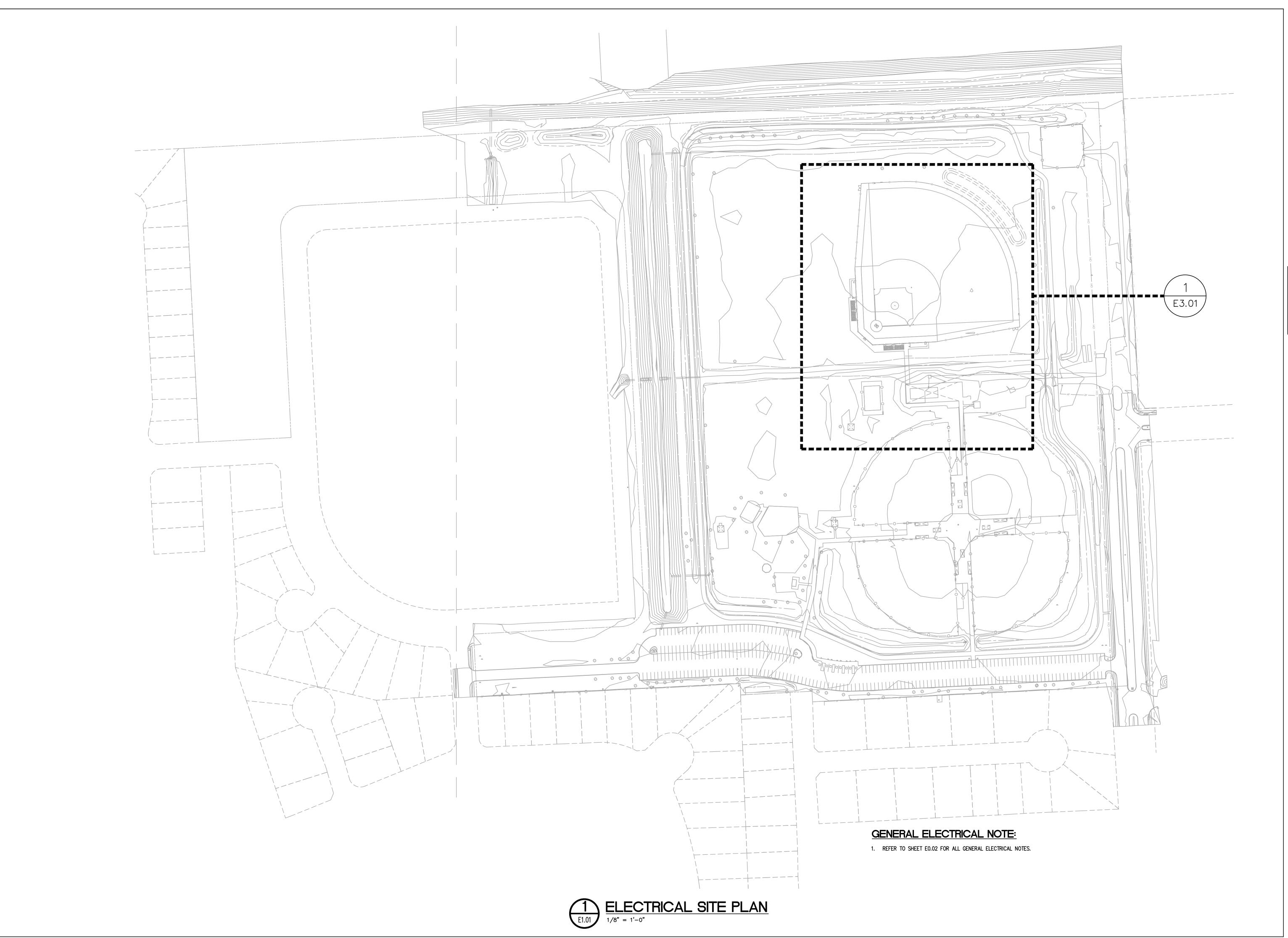
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GENERAL ELECTRICAL NOTES

F0.02



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REEDOM PARK \SEBALL FIELD PROJECT NO. 1514,002

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ELECTRICAL SITE PLAN

E1.01

GENERAL ELECTRICAL NOTE:

1. REFER TO SHEET E0.02 FOR ALL GENERAL ELECTRICAL NOTES.

ELECTRICAL KEYNOTES

- 1. LOCATE REMOTE DRIVER(S) FOR LIGHTING FIXTURES IN CONCESSIONS BUILDING. UPSIZE GAGE IF 50 FEET IS EXCEEDED. FIELD COORDINATE WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN. TYPICAL.
- 2. PROVIDE 120V POWER FOR NEW SCOREBOARD. CONFIRM ADDITIONAL REQUIREMENTS WITH FINAL SELECTED EQUIPMENT. CONTRACTOR SHALL FIELD COORDINATE EXACT LOCATION AND INSTALLATION DETAILS WITH OWNER AND ARCHITECT PRIOR TO ROUGH—IN.
- 3. PROVIDE LOCKABLE QUADRUPLEX RECEPTACLE AT APPROXIMATE LOCATION. CONFIRM ADDITIONAL REQUIREMENTS WITH FINAL SELECTED EQUIPMENT. CONTRACTOR SHALL FIELD COORDINATE EXACT LOCATIONS AND INSTALLATION DETAILS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN
- 4. PROVIDE 120V POWER FOR IRRIGATION CONTROLLER. CONFIRM ADDITIONAL REQUIREMENTS WITH FINAL SELECTED EQUIPMENT. CONTRACTOR SHALL FIELD COORDINATE EXACT LOCATION AND INSTALLATION DETAILS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- 5. PROPOSED LOCATION OF INTERMATIC ET90000 SERIES ASTRONOMICAL TIME CLOCK WITH AUTOMATIC DAYLIGHT SAVINGS ADJUSTMENT, 24 HOUR 7 DAY PROGRAMMING AND PROGRAMMING BACK UP CAPABILITIES. PROVIDE CONTACTOR OVERRIDE SWITCH AND CONFIRM OVERRIDE SWITCH LOCATION WITH OWNER. PROVIDE 120V POWER AS REQUIRED. CONFIRM ADDITIONAL REQUIREMENTS WITH FINAL SELECTED EQUIPMENT. CONTRACTOR SHALL FIELD COORDINATE EXACT LOCATION AND INSTALLATION DETAILS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.

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ENLARGED ELECTRICAL **PLANS**

E3.01

| RATING | SETS | CONDUCTOR SIZE | CONDUIT |
|--------|------|----------------------|---------|
| 30A | 1 | 3#10, 1#10 G. | 3/4" |
| 40A | 1 | 3#8, 1#10 G. | 3/4" |
| 50A | 1 | 3#8, 1#10 G. | 3/4" |
| 60A | 1 | 3#6, 1#10 G. | 1" |
| 70A | 1 | 3#4, 1#8 G. | 1" |
| 80A | 1 | 3#4, 1#8 G. | 1" |
| 90A | 1 | 3#3, 1#8 G. | 1 1/4" |
| 100A | 1 | 3#3, 1#8 G. | 1 1/4" |
| 125A | 1 | 3#1, 1#6 G. | 1 1/4" |
| 150A | 1 | 3#1/0, 1#6 G. | 1 1/2" |
| 175A | 1 | 3#2/0, 1#6 G. | 1 1/2" |
| 200A | 1 | 3#3/0, 1#6 G. | 2" |
| 225A | 1 | 3#4/0, 1#4 G. | 2" |
| 250A | 1 | 3#250, 1#4 G. | 2 1/2" |
| 300A | 1 | 3#350, 1#4 G. | 2 1/2" |
| 350A | 1 | 3#500, 1#3 G. | 3" |
| 400A | 1 | 3#600, 1#3 G. | 3 1/2" |
| 450A | 2 | 3#4/0, 1#2 G. | 2" |
| 500A | 2 | 3#250, 1#2G. | 2 1/2" |
| 600A | 2 | 3#350 , 1#1G. | 3" |
| 700A | 2 | 3#500, 1#1/0G. | 3 1/2" |
| 800A | 2 | 3#600, 1#1/0G. | 3 1/2" |
| 1000A | 3 | 3#500, 1#2/0G. | 3" |
| 1200A | 4 | 3#350, 1#3/0G. | 3" |
| 1600A | 4 | 3#600, 1#4/0G. | 3 1/2" |
| 10007 | 5 | 3#500, 1#4/0G. | 3" |
| 2000A | 5 | 3#600, 1#250G. | 3 1/2" |
| | 6 | 3#500, 1#250G. | 3" |
| 2500A | 6 | 3#600, 1#350G. | 3 1/2" |
| | 7 | 3#500, 1#350G. | 3 1/2" |
| 3000A | 8 | 3#500, 1#400G. | 3 1/2" |
| 3500A | 9 | 3#600, 1#500G. | 3 1/2" |
| | 10 | 3#500, 1#500G. | 3 1/2" |
| 4000A | 10 | 3#600, 1#500G. | 3 1/2" |
| TOUCH | 11 | 3#500, 1#500G. | 3 1/2" |

| 1. | ELECTRICAL CONTRACTOR SHALL PROVIDE THE NUMBER OF |
|----|---|
| | LUGS AND PROPER LUG SIZES TO ACCEPT CONDUCTOR SIZES |
| | SHOWN. |

^{2.} GROUND NOT REQUIRED AT SERVICE LATERAL.

| | TRANSFORME | R FEED | ER SCH | IEDULE - GENERAL F | PURPOSE | E - 3 PHASE | | | | |
|-------|----------------------------|---------|---------|------------------------------|----------|------------------|-----------------|--|--|--|
| | PRIMARY VOLTA | \GE | | SECONDARY VOLTAGE | | | | | | |
| | 480V, THREE PH | ASE | | 120/208V, ⁻ | THREE PH | ASE, FOUR WIRE | | | | |
| KVA | FEEDER | CONDUIT | BREAKER | FEEDER | CONDUIT | BREAKER | GND. ELEC. SIZE | | | |
| 3 | 3#12, 1#12G. | 3/4" | 15A/3P | 4#12, 1#8G. | 3/4" | 15A/3P | #8 | | | |
| 6 | 3#12, 1#12G. | 3/4" | 15A/3P | 4#10, 1#8G. | 3/4" | 25A/3P | #8 | | | |
| 9 | 3#12, 1#12G. | 3/4" | 15A/3P | 4# 10, 1 # 8G. | 3/4" | 30A/3P | #8 | | | |
| 15 | 3#10, 1#10G. | 3/4" | 25A/3 | 4#6, 1#8G. | 1" | 60A/3P | #8 | | | |
| 30 | 3#8, 1#10G. | 1" | 45A/3P | 4#3, 1#8G. | 1 1/4" | 100A/3P | #8 | | | |
| 45 | 3#4, 1#8G. | 1" | 70A/3P | 4#1/0, 1#6G. | 1 1/2" | 150A/3P | #6 | | | |
| 75 | 3#1, 1#6G. | 1 1/4" | 125A/3P | 4#250, 1#2G. | 2 1/2" | 250A/3P | #2 | | | |
| 75 | 3#3, 1#8G. | 1" | 100A/3P | 4#4/0, 1#2G. | 2 1/2" | 225A/3P | #2 | | | |
| 112.5 | 3#2/0, 1#6G. | 1 1/2" | 175A/3P | 4#600, 1#1/0G. | 4" | 400A/3P | # 1/0 | | | |
| 150 | 3#4/0, 1#4G. | 2" | 225A/3P | (2) SETS OF 4#250, 1#1/0G. | 2 1/2" | 500A/3P | # 1/0 | | | |
| 225 | 3#500, 1#3G. | 3" | 350A/3P | (2) SETS OF 4#600, 1#3/0G. | 4" | 800A/3P | #3/0 | | | |
| 300 | (2) SETS OF 3#4/0, 1#2G. | 2 1/2" | 450A/3P | (3) SETS OF 4#500, 1#3/0G. | 3 1/2" | 1000A/3P | #3/0 | | | |
| 400 | (2) SETS OF 3#350, 1#1G. | 2 1/2" | 600A/3P | (4) SETS OF 4#500, 1#250G. | 4" | 1600AF/1400AT/3P | #3/0 | | | |
| 500 | (2) SETS OF 3#500, 1#1/0G. | 3" | 800A/3P | (5) SETS OF 4#500, 1#350G. | 4" | 2000AF/1800AT/3P | #3/0 | | | |

| TRANSFORMER SCHEDULE | | | | | | | | | | | | |
|----------------------|-----|--------------|-------------------|----------|-----------|---------|--|--|--|--|--|--|
| MARK | KVA | PRI. VOLTAGE | SECONDARY VOLTAGE | MOUNTING | ENCLOSURE | REMARKS | | | | | | |

120Y/208V, 3ø, 4 W

| | SURGE PROTECTION DEVICE (SPD) SCHEDULE | | | | | | | | | | |
|---|--|--|--|--|--|--|-------------------------|--|--|--|--|
| MARK MANUFACTURER MODEL VOLTAGE PHASE SURGE RATING PER MODE SIZE | | | | | | | TIERGUIDE CABLE SIZE | | | | |
| SPD-2 SOUTHERN TIER TECHNOLOGIES T45120Y100AWAJ2S 208/120 3 100/200KA 30A/3P INCLUDED | | | | | | | | | | | |
| | series SPD enclosures in: MS and life skills rooms) | | | | | | | | | | |

FLOOR

3R

| | | | F | Pan | elbo | ard | H | V1 | | | | | Х | AIC Rating Existing New | | | |
|-------|--------------------|---|------|------|------------|------------|----------|------------------------|----------|---------------|------------|------------------------|-------|-------------------------------|----------|--------------------------------|-------|
| | | Volt,3-Phase,4-V 1 Section 1 -Nema Rating | Vire | X | MCB MLO | 500 500 | AMI | P MC P BUS . GRI | S (Co | opper) BUS | X | Single Doub Feed | | J | | Mounting X Surface Flush | j |
| Notes | Load (VA) | Description | | Туре | Wire | СВ | CKT # | | CKT # | СВ | Wire | Туре | | Description | | Load (VA) | Notes |
| 1 | 5000 | EXISTING LOA | ٩D | L. | 8 | 40/3 | 1 | Α | 2 | 40/3 | 8 | L | E | KISTING LO | AD | 5000 | 1 |
| 1 | 5000 | EXISTING LOA | | L | 8 | I | 3 | В | 4 | I | 8 | L | | (ISTING LO | | 5000 | 1 |
| 1 | 5000 | EXISTING LOA | | L | 8 | 1 | 5 | С | 6 | 1 | 8 | L | | KISTING LO | | 5000 | 1 |
| 1 | 5000 | EXISTING LOA | AD. | L | 8 | 40/3 | 7 | Α | 8 | 40/3 | 8 | L | E | (ISTING LO | AD | 5000 | 1 |
| 1 | 5000 | EXISTING LOA | AD | L | 8 | 1 | 9 | В | 10 | I | 8 | L | E | (ISTING LO | AD | 5000 | 1 |
| 1 | 5000 | EXISTING LOA | ٩D | L | 8 | 1 | 11 | С | 12 | 1 | 8 | L | E | KISTING LO | AD | 5000 | 1 |
| 1 | 5000 | EXISTING LOA | ٩D | L | 8 | 40/3 | 13 | Α | 14 | 40/3 | 8 | L | E | (ISTING LO | AD | 5000 | 1 |
| 1 | 5000 | EXISTING LOA | ٩D | L | 8 | I | 15 | В | 16 | I | 8 | L | E | KISTING LO | AD | 5000 | 1 |
| 1 | 5000 | EXISTING LOA | ٩D | L | 8 | 1 | 17 | С | 18 | I | 8 | L | E | KISTING LO | AD | 5000 | 1 |
| 1 | 5000 | EXISTING LOA | ٩D | L | 8 | 40/3 | 19 | Α | 20 | 40/3 | 8 | L | E | KISTING LO | AD | 5000 | 1 |
| 1 | 5000 | EXISTING LOA | ٩D | L | 8 | 1 | 21 | В | 22 | ı | 8 | L | E | KISTING LO | AD | 5000 | 1 |
| 1 | 5000 | EXISTING LOA | ٩D | L. | 8 | 1 | 23 | С | 24 | | 8 | L | E | KISTING LO | AD | 5000 | 1 |
| 1 | 500 | EXISTING LOA | AD. | M | 12 | 20/1 | 25 | Α | 26 | 30/3 | | L | E | KISTING LO | AD | 5000 | 1 |
| 1 | 500 | EXISTING LOA | AD. | M | 12 | 15/2 | 27 | В | 28 | I | 10 | L | | KISTING LO | | 5000 | 1 |
| 1 | 500 | EXISTING LOA | | M | 12 | I | 29 | С | 30 | | 10 | L | E | KISTING LO | AD | 5000 | 1 |
| 1 | 1000 | EXISTING LOA | ٩D | M | 8 | 40/1 | 31 | Α | 32 | | | | | SPACE | | | |
| 2 | 720 | LIGHTING | | L | 12 | 20/1 | 33 | В | 34 | | | | | SPACE | | | 1 |
| | | SPACE | | | | | 35 | С | 36 | | | | | SPACE | | | |
| | | SPACE | | | | | 37 | Α | 38 | 70/3 | | SP | | TLV2 | | 1220 | 2 |
| | | SPACE | | | | | 39 | В | 40 | - | 4 | SP | | - | | 720 | 2 |
| | | SPACE | | | | | 41 | С | 42 | - | 4 | SP | | | | 500 | 2 |
| | 63,220 | Subtotal | | | | W-17-2 | | 1 | | | | | | Subtotal | <u> </u> | 77,440 | |
| | C. (2002) | Load Type | | nn. | Fct. | Diver | sity | _ | C. (2 | | | | | Conn. | Fct. | Diversity | |
| 1 | 1, , | | | 0 | | 0 | | 21 | 0-20 | · / · | L) Lightin | _ | | 135,720 | 125% | , | 50 |
| | | | 0 | 100% | 0 | | | | , | EL) Ext. L | _ | | 0 | 125% | | | |
| | 220-21 (C) Cooling | | 0 | 0% | 0 | | 6 | 20-1 | | E) Elevato | | | 0 | 100% | | | |
| | | (H) Heating | | 0 | 0% | 0 | | | | 11 ' | WH) Wat | | | 0 | 100% | | |
| 22 | 20-21 | (F) Fans | | 0 | 100% | 0 | | 2 | 20-1 | 4 (| MT) Lrg. | Mot. | | 0 | 125% | 6 0 | |
| | | (M) Misc. | 2, | 500 | 100% | 2,50 | 00 | | | (| SP) Sub | Panel | | 2,440 | 100% | 2,44 | 10 |
| | | Total Connected | Load | | 140,660 | | | 9.3 | AMF | PS | Locati | on of P | anel: | | | | |

Total Load (Diversified 174,590 VA = 210.1 AMPS

-ALL CONDUCTORS SHALL BE COPPER

480V, 3ø

| | l i~ | hting Clas | c D |) a ra | alba | ard | | 12 | | | | 10 | | AIC Rating Existing | | | |
|------------|-----------|--------------------------------------|------|--------|----------------|-------|----------|-----------------|-----------|------|------------|--------------|----------|------------------------|-------|-----------|------|
| | Lig | hting Clas | 3 F | all | GINO | aıu | L | VZ | | | | | | New | | | |
| | 120/20 | 3 Volt,3-Phase,4-W | /ire | Χ | MCB | 150 | AMF | P MC | В | | X | Single | | | | Mounting | g |
| | | 1 Section | | | MLO | 225 | AMF | IP BUS (Copper) | | | Double | | | X Surface | | | |
| | | 1 -Nema Rating | | | | | ISO | . GRI | ND. B | SUS | | Feed | - Thru | I | Flush | | |
| Notes | Load (VA) | Description | | Туре | Wire | СВ | CKT # | PH | CKT # | СВ | Wire | Туре | | Description | | Load (VA) | Note |
| | 720 | SCOREBOAR | D | М | 8 | 20/1 | 1 | Α | 2 | 20/1 | 12 | | | SPARE | | | |
| | 720 | SCORE/TABL | E. | М | 10 | 20/1 | 3 | В | 4 | 20/1 | 12 | | | SPARE | | | |
| | 500 | IRRIGATION CT | TRL | М | 12 | 20/1 | 5 | С | 6 | 20/1 | 12 | | | SPARE | | | |
| | 500 | TIMECLOCK | | M | 12 | 20/1 | 7 | Α | 8 | 20/1 | 12 | | | SPARE | | | |
| | | SPARE | | | 12 | 20/1 | 9 | В | 10 | 20/1 | 12 | | | SPARE | | | |
| | | SPARE | | | 12 | 20/1 | 11 | С | 12 | 20/1 | 12 | | | SPARE | | | |
| | | SPARE | | | 12 | 20/1 | 13 | Α | 14 | 20/1 | 12 | | | SPARE | | | |
| | | SPARE | | | 12 | 20/1 | 15 | В | 16 | 20/1 | | | | SPARE | | | |
| | | SPARE | | | 12 | 20/1 | 17 | С | 18 | 20/1 | _ | | | SPARE | | | |
| | | SPARE | | | 12 | 20/1 | 19 | Α | 20 | 20/1 | | | | SPARE | | | |
| | | SPARE | | | 12 | 20/1 | 21 | В | 22 | 20/1 | | | | SPARE | | | |
| | | SPARE | | | 12 | 20/1 | 23 | С | 24 | 20/1 | | | | SPARE | | | |
| | | SPARE | | | 12 | 20/1 | 25 | Α | 26 | 20/1 | | | | SPARE | | | |
| | | SPARE | | | 12 | 20/1 | 27 | В | 28 | 20/1 | _ | | | SPARE | | | |
| | | SPARE | | | 12 | 20/1 | 29 | С | 30 | 20/1 | | | | SPARE | | | _ |
| | | SPARE | | | 12 | 20/1 | 31 | Α | 32 | 20/1 | _ | | | SPARE | | | _ |
| | | SPARE | | | 12 | 20/1 | 33 | В | 34 | 20/1 | | | | SPARE | | | 4 |
| | | SPARE | | | 12 | 20/1 | 35 | С | 36 | 20/2 | | | | SPARE | | | _ |
| | | SPARE | | | 12 | 20/1 | 37 | Α | 38 | 30/1 | | | | SPD2 | | | - |
| | | SPARE | | | 12 | 20/1 | 39 | В | 40 | | 10 | | | <u> </u> | | | - |
| | | SPARE | | | 12 | 20/1 | 41 | С | 42 | | 10 | | | <u> </u> | | | - |
| | 2,440 | Subtotal | | | | 2000 | P000 | 1 | M.C. 1332 | | | | <u> </u> | Subtotal | | 0 | |
| | C. (2002) | Load Type | Cor | nn. | Fct. | Diver | sity | - | C. (2 | | | | | Conn. | Fct. | Diversity | |
| 2 | 20-13 | (R) Recept. | 0 | | | 0 | | 21 | 0-20 | , , | L) Lightin | | | 0 | 125% | l l | |
| | 20-20 | (K) Kitchen | 0 | | 100% | 0 | | | | | EL) Ext. L | | | 0 | 125% | | |
| 220-21 (C) | | (C) Cooling | 0 | | 0% | 0 | | 6 | 20-1 | | | E) Elevators | | 0 | 100% | III | |
| 220-21 (| | (H) Heating | 0 | | 0% | 0 | | | | | WH) Wat | er Ht. | | 0 | 100% | | |
| 2 | 20-21 | (F) Fans 0 | | (| 100% | 0 | | 2 | 20-1 | 4 (| MT) Lrg. | T) Lrg. Mot. | | 0 | 125% | 0 | |
| | | (M) Misc. | 2,4 | 40 | 100% | 2,44 | 10 | | | (| SP) Sub | Panel | | 0 | 100% | 0 | |
| | | Total Connected Total Load (Diver | | | 2,440 2,440 | | | 8.8 8.8 | AMF | | Locati | on of P | anel: | | | | |

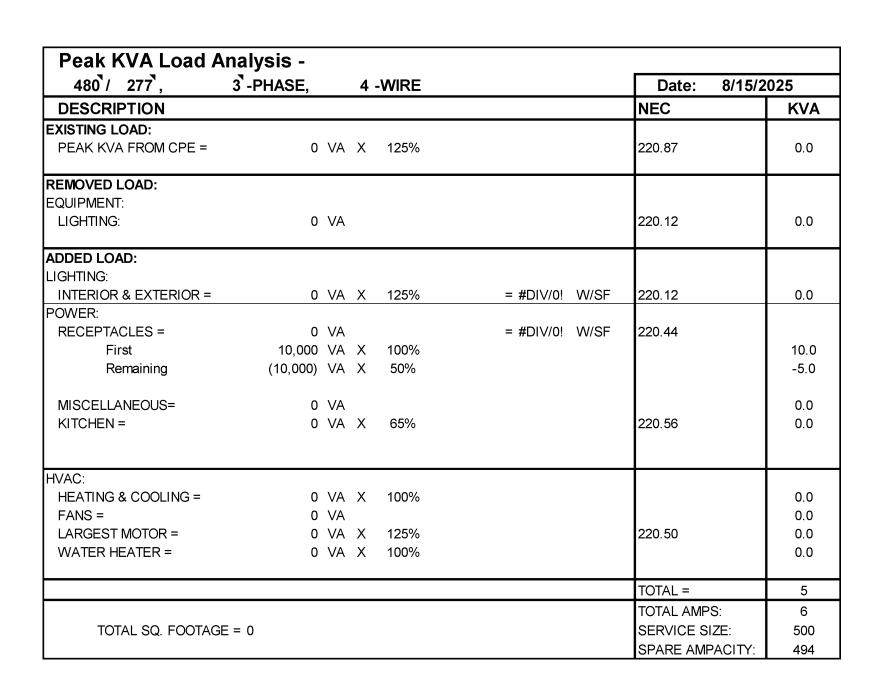
PANEL SCHEDULE GENERAL NOTES:

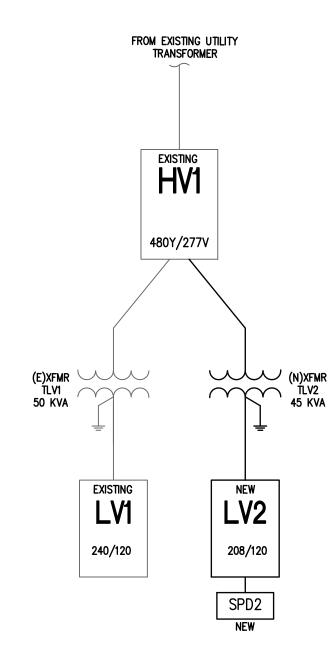
GENERAL PURPOSE TRANSFORMER.

A. ALL CIRCUIT NUMBERS ON EXISTING ELECTRICAL PANELS ARE FOR PLAN REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY AVAILABILITY OF BREAKERS. CONTRACTOR SHALL UTILIZE SPARE BREAKERS MADE AVAILABLE FROM DEMOLITION PHASE.

PANEL SCHEDULE NOTES:

EXISTING LOAD SHALL REMAIN.
 PROVIDE NEW CIRCUIT AND NEW BREAKER IN EXISTING PANEL.







ONE-LINE DIAGRAM GENERAL NOTES:

- A. ALL EQUIPMENT IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
- B. ALL EQUIPMENT FEEDER WIRING IS EXISTING TO REMAIN UNLESS NOTED
- C. CONTRACTOR SHALL REPORT ANY DAMAGED DEVICES THAT ARE SHOWN AS EXISTING TO REMAIN TO THE OWNER BEFORE STARTING WORK. ALL DEVICES FOUND TO BE DAMAGED AT THE TIME OF SUBSTANTIAL COMPLETION THAT ARE NOT REPORTED PRIOR TO STARTING WORK SHALL BE REPLACED BY THE CONTRACTOR AT HIS COST.
- D. ALL CONDUCTORS SHALL BE COPPER UNLESS OTHERWISE SCHEDULED.
- E. CONTRACTOR SHALL INSTALL FEEDERS BASED ON THE OVERCURRENT DEVICE RATING UNLESS OTHERWISE NOTED. CONTRACTOR SHALL REFER TO THE FEEDER SCHEDULE FOR ALL CONDUCTOR AND CONDUIT SIZING.
- F. PRIOR TO INSTALLATION OF UNDERGROUND FEEDERS, THE ELECTRICAL CONTRACTOR SHALL SUBMIT AN UNDERGROUND ROUTING PLAN TO THE ENGINEER OF RECORD INDICATING THE EXACT ROUTING PATH FOR ALL UNDERGROUND CONDUIT. INDICATE STUB—UP LOCATIONS, SIZE AND QUANTITY OF CONDUIT. ALL ELECTRICAL PANELS AND EQUIPMENT SHALL BE SHOWN ON THIS PLAN FOR REFERENCE OF CONDUIT TERMINATION.
- G. A PERMANENTLY AFFIXED LABEL SHALL BE APPLIED WITH THE AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2 X 3 IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. THIS LABEL SHALL ALSO INCLUDE THE DATE OF THE CALCULATION.
- H. CONTRACTOR SHALL FIELD COORDINATE AND BECOME FAMILIAR WITH EXISTING ELECTRICAL EQUIPMENT AND EXISTING ELECTRICAL PROVISIONS PRIOR TO STARTING ANY WORK.

310 Longmire Road Conroe, TX 77304 Tel: 936.756.3041

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Renovation

3/31/2025

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EDOM PARK
BALL FIELD
PROJECT NO. | 1514.002
ANGLETON, TEXAS 77515

FREEDO

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3105 N. DOW

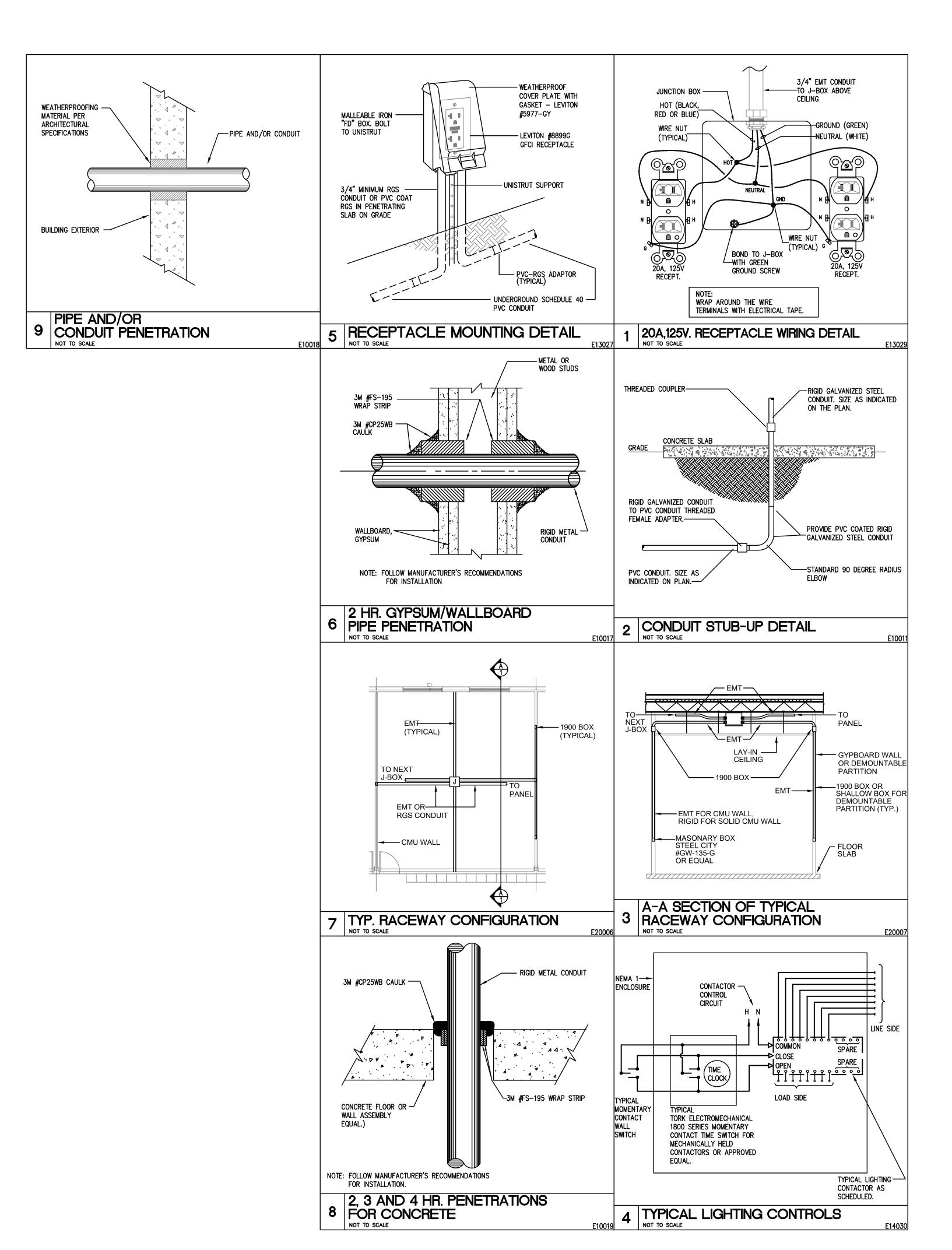
DESIGNER | Designer
DRAWER | DBR

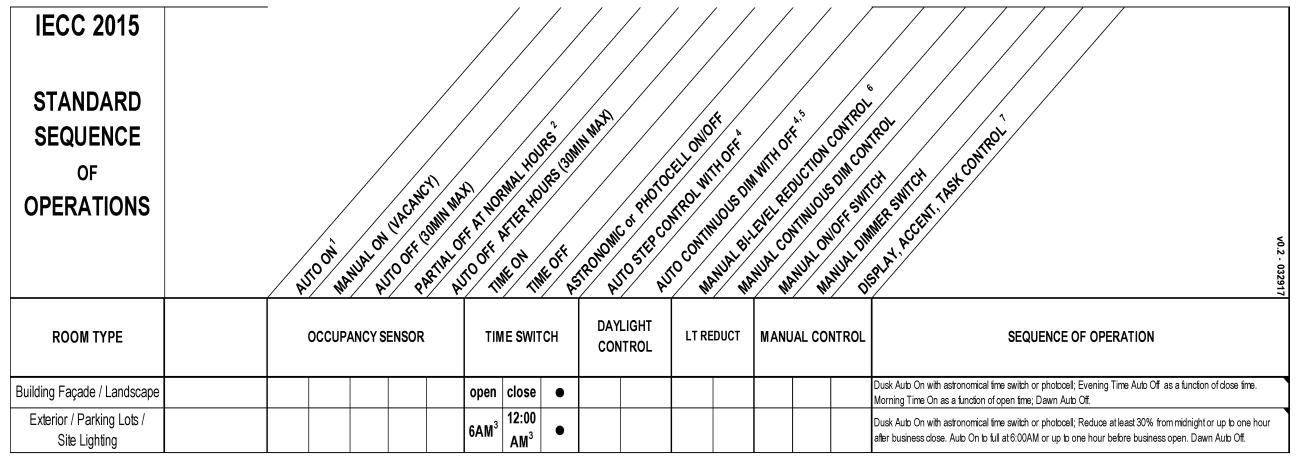
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ELECTRICAL ONE-LINE DIAGRAMS

E4.01





Designation for code compliant default control design for spaces without daylighting control

Where daylighting control is required, "D" designation indicates controls required in the space for code compliance design

Captive Key Switch system for use in Hotel/Motel and Guest Suites

NOTES: ¹ Lighting may be Manual On or Auto Partial On to ≤50%. Full Auto On to 100% is only permitted in Public Corridors, Stairways, Primary Entrances, Lobbies, Restrooms and where Manual On endangers safety or security

> ² Partial Auto Off must reduce lighting by ≥50% during normal operating hours in warehouse aisles and warehouse open areas. Each aisle must be independently controlled. Full Auto Off would comply with Partial Auto Off. ³ Exterior / Parking / Site lighting must Auto Off during daylight hours, reduce by at least 30% between the hours of midnight and 6AM or from one hour after business close until 6AM before business opening.

⁴Automatic daylight control required where ≥150W of lighting is in the toplight or sidelight daylight area. Continuous dimming with Off is used and assumes 0-10V dimming fixtures in daylight and non-daylight area unless known otherwise.

⁵Code requires automatic continuous dimming with full Off capability in daylighting areas of offices, classrooms, labs and library reading rooms. ⁶Manual bilevel lighting reduction control must allow ≥50% of the general lighting to be manually turned off by a control device located in the space.

⁷Display, Accent and Task lighting must be independently controlled from other lighting in the space. It is required to Auto Off with occupancy sensors or time switch control, but is exempt from automatic daylighting control.

| | LIGHT FIXTURE SCHEDULE | | | | | | | | | |
|------|--|----------|-----------|-------|-------|---|--|--|--|--|
| ТҮРЕ | MANUFACTURER AND MODEL | MOUNTING | LAMPS | VOLTS | WATTS | DESCRIPTION | | | | |
| K4 | LUMENTRUSS #1500-PR-SP-IB-0N0-SN0-4FT-35-LHP-D-HW3-D | RECESSED | 4000K LED | UNV | 28 | 4FT RECESSED WET LOCATION LINEAR, WET LOCATION RATING, 559 LUMENS /FT | | | | |
| K7 | LUMENTRUSS #1500-PR-SP-IB-0N0-SN0-7FT-35-LHP-D-HW3-D | RECESSED | 4000K LED | UNV | 49 | 7FT RECESSED WET LOCATION LINEAR, WET LOCATION RATING, 559 LUMENS /FT | | | | |

NOTES:

CK =

- 1. LIGHTING FIXTURE CATALOG NUMBERS AND DESCRIPTIONS ARE SCHEDULED FOR ESTABLISHING QUALITY, APPEARANCE AND PERFORMANCE OF THE FIXTURES AS REQUIRED BY THE DESIGN. EXACT CATALOG NUMBERS DESCRIBING MOUNTING CONDITIONS, FINISHES AND REQUIREMENTS RELATED TO TRIMS AND LENS FOR ALL FIXTURES SHALL BE CONFIRMED (BY THE CONTRACTOR) WITH THE ROOM FINISH SCHEDULE AND REFLECTED CEILING PLANS, INCLUDING GRID TYPES, ON THE ARCHITECTURAL DRAWINGS PRIOR TO BIDDING. FIXTURES SHALL BE SUBMITTED ACCORDING TO THE CONDITIONS INDICATED ON THE ARCHITECTURAL PLANS. REFER TO THE WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
- 2. THE NEW LIGHT FIXTURES SCHEDULED ARE THE BASIS OF DESIGN. IT IS NOT INTENDED TO LIMIT COMPETITION FROM EQUAL MANUFACTURERS. ALL BIDDERS SHALL SUBMIT THEIR PROPOSED LIGHT FIXTURES IN SUBMITTAL FORM A MINIMUM OF 10 BUSINESS DAYS PRIOR TO BID DATE FOR REVIEW. APPROVED LIGHT FIXTURES WILL BE ISSUED IN AN ADDENDUM.

| | LIGHTING CONTROLS DEV | ICE SCHEDULE | | | | | |
|--|---|--|--|--|--|--|--|
| TYPE | DESCRIPTION | COMMENTS | | | | | |
| \$ \$ ³ \$ ⁴ \$ ^K | LINE VOLTAGE SWITCH. | '3' INDICATES THREE WAY SWITCHING. '4' INDICATES FOUR WAY SWITCHING. 'K' INDICATES SWITCH SHALL BE KEYED SWITCH. | | | | | |
| \$ ^T | LINE VOLTAGE TIMER SWITCH WITH DIGITAL TIMER. | RATED FOR 120/277VAC. PROVIDE WITH AUDIBLE & VISUAL ALERTS. USER PROGRAMMABLE FOR 5MIN-12HR TIME-OUT SETTINGS. | | | | | |

- COOPER GREENGATE IS THE BASIS OF DESIGN.
- THE LIGHTING CONTROLS SCHEDULED SHALL BE COOPER GREENGATE TO MATCH EXISTING BUILDING CONTROLS SYSTEM AND EXISTING BUILDING LIGHTING CONTROL DEVICES. 3. BASIS OF DESIGN SHALL BE A HARD-WIRED TYPE SYSTEM, UNLESS NOTED OTHERWISE.

| | CONTACTOR SCHEDULE | | | | | | | | | | |
|------|--------------------|-------|-----------------|--|-------|--|--|--|--|--|--|
| MARK | AMPS PER POLE | POLES | COIL VOLTAGE | CONTROL | NOTES | | | | | | |
| LC-1 | 20 | 4 | 120V | SCHEDULE VIA TIME CLOCK WITH OVERRIDE SWITCH | 1 | | | | | | |
| LC-2 | 20 | 4 | 120V | SCHEDULE VIA TIME CLOCK WITH OVERRIDE SWITCH | 1 | | | | | | |

NOTES:

1. EXTERIOR LIGHTING SHALL BE PHOTOCELL CONTROLLED WITH ON/OFF SCHEDULING AS REQUIRED BY THE 2015 IECC. OVERRIDE SWITCH(ES) SHALL OVERRIDE LIGHTS ON UNTIL NEXT SCHEDULED OFF PERIOD. CONFIRM EXACT PROGRAMMING REQUIREMENTS WITH OWNER.

310 Longmire Road Conroe, TX 77304 Tel: 936.756.3041

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3/31/2025

SEAL:

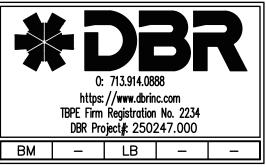
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TEXAS 77515 ARK 0 SEB VNING,

ANGLETON,

3105 N. DOV

Designer | Designer DRAWER DBR CHECKER DBR

| DESCRIPTION | DATE |
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| | DESCRIPTION |

ELECTRICAL SCHEDULES