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July 19, 2019

RECEIVED

JUL 22 2019

PUBLIC SERVICE
COMMISSION

KENTUCKY PUBLIC SERVICE COMMISSION
ATTN PSC DOCKET STAFF
211 SOWER BLVD
FRANKFORT KY 40601

Re: Filing in Case No.: 2019-00149
Application of SBA Towers IX, LLC
Site Name: Shopville Relo

Dear PSC Docket Staff:

Enclosed please find one (1) original and five (5) copies of the SBA Towers, IX, LLC, Notice of Filing of Response to public comments of South Eastern Water Association, Inc.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa H. Emmons".

Lisa H. Emmons

219296

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

JUL 22 2019

PUBLIC SERVICE
COMMISSION

In the Matter of:

| | | |
|---|---|----------------------|
| THE APPLICATION OF |) | |
| SBA TOWERS IX, LLC, A DELAWARE LIMITED |) | |
| LIABILITY COMPANY, |) | |
| FOR ISSUANCE OF A CERTIFICATE OF PUBLIC |) | |
| CONVENIENCE AND NECESSITY TO CONSTRUCT |) | CASE NO.: 2019-00149 |
| A WIRELESS COMMUNICATIONS FACILITY |) | |
| IN THE COMMONWEALTH OF KENTUCKY |) | |
| IN THE COUNTY OF PULASKI |) | |

SITE NAME: SHOPVILLE RELO

**NOTICE OF FILING OF RESPONSE TO PUBLIC COMMENTS OF
SOUTH EASTERN WATER ASSOCIATION, INC.**

Comes SBA Towers IX, LLC (SBA), a Delaware Limited Liability Company, by and through the undersigned counsel, and hereby tenders its Response to public comments received from South Eastern Water Association, Inc. A copy of SBA's Response to South Eastern Water Company Association, Inc.'s public comments, dated June 17, 2019, is attached hereto as "Exhibit A." As presented in the subject Application and as discussed in the response attached, there is no ground for denial of the subject Application and substantial evidence supports approval of the requested Certificate of Public Convenience and Necessity (CPCN).

WHEREFORE, there being no ground for denial of the subject Application and substantial evidence in support of the requested CPCN, Applicant respectfully requests the Kentucky Public Service Commission:

1. Accept this Response for filing;

2. Issue an Order granting a certificate of public convenience and necessity to SBA to construct the Wireless Communications Facility and tower at the location set forth in the subject Application in Pulaski County, Kentucky; and
3. Grant Applicant all other relief to which it is entitled.

Respectfully submitted,

DENTON LAW FIRM, PLLC
P.O. Box 969
Paducah, KY 42002-0969
Tel. No.: (270) 450-8253
Fax No.: (270) 450-8259
lemmons@dentonfirm.com

By: _____

Lisa H. Emmons

ATTORNEYS FOR SBA TOWERS IX, LLC

CERTIFICATE OF SERVICE

I hereby certify that the foregoing has been served by mailing and emailing a true and correct copy to:

ORWIN LAW OFFICE
D BRUCE ORWIN ESQ
116 NORTH MAIN ST STE A
P O BOX 716
SOMERSET KY 42502-0716

on the 19th day of July, 2019.

By: _____

Lisa H. Emmons

EXHIBIT

A

W. DAVID DENTON
J. RONALD JACKSON, MBA, CPA
WILLIAM E. PINKSTON
LISA H. EMMONS
GLENN D. DENTON *
JACKIE M. MATHENY, JR.
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July 19, 2019

VIA EMAIL: dborwin@orwinlaw.com
ORIGINAL VIA: U S MAIL

ORWIN LAW OFFICE
D BRUCE ORWIN ESQ
116 NORTH MAIN ST STE A
P O BOX 716
SOMERSET KY 42502-0716

Re: *Application of SBA Towers IX, LLC ("SBA")*
Kentucky Public Service Commission Case No.: 2019-00149

Dear Mr. Orwin:

Please allow this letter to acknowledge receipt of a courtesy copy of your letter to the Kentucky Public Service Commission submitting comments on behalf of South Eastern Water Association, Inc. (hereinafter SEWA), in regard to the above referenced matter. Therein, SEWA comments regarding its easement and water line in an area of the proposed site. SEWA requests "that access to the proposed cell tower avoid any activity which would disrupt or cause damage to the main distribution line."

It is our understanding that on or around February 2019, representatives of SEWA and/or its attorney(s) conducted site visit(s) in correlation with survey work, and initial site development work, being performed by SBA contractors and/or agents at the proposed site. At that time, SEWA requested that the main water valves be marked on the survey. Additionally, there was some discussion regarding the access road and location of same near the water valve(s), specifically located near the 1155 and/or 1160 elevation line, and the possibility of moving the access road over to accommodate for same.

As noted in the site plans and drawings, Exhibit J (Sheet T-4) to SBA's Application, an additional site survey was performed, on or about March 27, 2019, and "water valve" was added to the legend. Moreover, the location of the existing water valves have been marked and noted in the site plans and drawings, see Exhibit J (Sheet C-3 & C-4), including notes "lines to be noted before commencement of construction activities & great care taken to be avoided."

D. Bruce Orwin, Esq.
July 19, 2019
Page 2

A review of the site plans and drawings also reveals that the proposed access road has been moved over to accommodate SEWA's concerns regarding same and the water valves. For your convenience, a copy of the site plans and drawings (Exhibit J) filed with SBA's Application is enclosed herein

We believe the above adequately responds to the comments and concerns of SEWA. Please feel free to call or email if you wish to discuss this matter further and/or if we can provide any additional information.

Sincerely,

A handwritten signature in black ink, appearing to be 'LH Emmons', with a long, sweeping flourish extending to the right.

Lisa H. Emmons

Enclosure

cc: Client

PROJECT SUMMARY

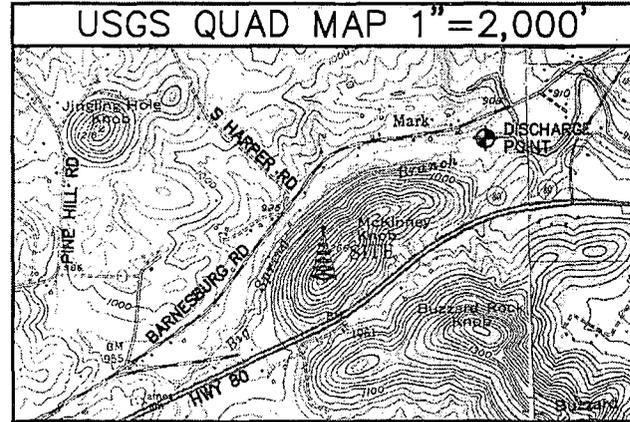
| | | | |
|--------------------|--|-------|--|
| SITE NAME: | SHOPVILLE RELO | | |
| SITE ADDRESS: | HWY 80 SOMERSET, KY, 42503 | | |
| JURISDICTION: | PULASKI COUNTY | | |
| COUNTY: | PULASKI COUNTY | | |
| ZONING: | N/A | | |
| PROPERTY OWNER: | WILLIAM A. & AUDEAN VAUGHT | | |
| PHONE: | (606) 219-5879 | | |
| APPLICANT: | SBA TOWERS IX, LLC 8051 CONGRESS AVENUE BOCA RATON, FL 33487-1307 OFFICE: (800) 487-7483 FAX: (561) 226-3572 | | |
| JASON LASKEY | (800) 487-4722 | | |
| SITE COORDINATES: | 2C/1A | | |
| LATITUDE: | N. 37° 09' 22.7" | (GPS) | |
| LONGITUDE: | W. 84° 30' 42.7" | (GPS) | |
| ELEVATION: | 1248' | (GPS) | |
| OCCUPANCY: | UNMANNED | | |
| CONSTRUCTION TYPE: | RAW LAND | | |



SITE NAME
 SHOPVILLE
 RELO
SITE I.D.
 KY22841-S

E911 ADDRESS
 HWY 80
 SOMERSET, KY, 42503

PROJECT TYPE
 305' SST TOWER
PLAN ORIGINATION DATE
 02-27-19



DRIVING DIRECTIONS

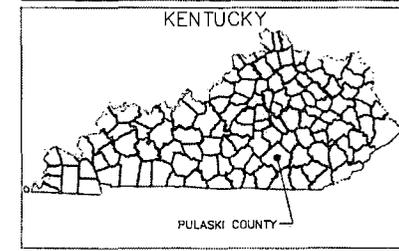
FROM LOCAL CITY OR NEAREST MAJOR HIGHWAY INTERSECTION:
 DIRECTIONS: FROM THE CITY OF SOMERSET, KY TAKE HIGHWAY 80 EAST AND CONTINUE FOR APPROXIMATELY 7 MILES TO THE INTERSECTION WITH WHITSON ROAD. AT THE INTERSECTION TURN LEFT TO CROSS HIGHWAY 80 WEST THE THE SITE ACCESS ON THE LEFT SIDE OF THE ROAD.

ALL PERSONS OWNING PROPERTY LOCATED WITHIN 500 FT OF THE PROPOSED TOWER AND ALL PERSONS OWNING PROPERTY CONTIGUOUS TO THE PROPERTY UPON WHICH THE TOWER IS PROPOSED, HAVE BEEN NOTIFIED BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED, OF THE PROPOSED CONSTRUCTION; GIVEN THE COMMISSION DOCKET NUMBER UNDER WHICH THE APPLICATION WILL BE PROCESSED; AND INFORMED OF THEIR RIGHT TO REQUEST INTERVENTION.

SHEET INDEX

| Sheet Number | Sheet Title |
|--------------|-----------------------------------|
| T-1 | TITLE SHEET |
| T-2 | GENERAL NOTES (1) |
| T-3 | GENERAL NOTES (2) |
| T-4 | TCG - LEGEND |
| Z-1 | ZONING PLAN |
| C-1 | OVERALL SITE PLAN |
| C-2 | PLAN & PROFILE 1 |
| C-3 | PLAN & PROFILE 2 |
| C-4 | PLAN & PROFILE 3 |
| C-5 | PLAN & PROFILE 4 |
| C-6 | ENLARGED SITE PLAN |
| C-7 | TOWER ELEVATION PLAN |
| C-8 | CONSTRUCTION DETAILS - SITE |
| C-9 | CONSTRUCTION DETAILS - FENCE (1) |
| C-10 | CONSTRUCTION DETAILS - FENCE (2) |
| E-1 | UTILITY SITE PLAN (1) |
| E-2 | UTILITY & TELCO H-FRAME DETAIL |
| E-3 | ELEC. SINGLE LINE DETAIL |
| EG-1 | GROUNDING PLAN - DETAIL |
| EG-2 | GROUNDING DETAIL (1) |
| EG-3 | GROUNDING DETAIL (2) |
| ES-1 | EROSION & SEDIMENT CONTROL PLAN 1 |
| ES-2 | EROSION & SEDIMENT CONTROL PLAN 2 |
| ES-3 | EROSION & SEDIMENT CONTROL PLAN 3 |
| ES-4 | EROSION & SEDIMENT CONTROL PLAN 4 |
| ES-5 | EROSION & SEDIMENT CONTROL NOTES |
| ES-6 | E&S DETAILS |

STATE COUNTY MAP



APPROVALS

| | |
|----------|------|
| LANDLORD | DATE |
|----------|------|

CONSULTING TEAM

ENGINEERING FIRM:
 THE CROSSROADS GROUP, LLC
 16590 POTTSVILLE PIKE, SUITE A
 HAMBURG, PA 15526
 CONTACT: JEREMIAH D. HOAGLAND
 PHONE: (484)-660-3055 FAX: (484) 660-3742

SURVEYING FIRM:
 MILLMAN SURVEYING, INC.
 4111 BRADLEY CIRCLE NW, SUITE 240
 CANTON, OH 44718
 CONTACT: ERINA FORD
 PHONE: (800)-520-1010

TELEPHONE COMPANY:
 TELEPHONE COMPANY: TBD
 ADDRESS:
 CITY, STATE, ZIP
 CONTACT: TBD
 PHONE: TBD FAX: TBD

POWER COMPANY:
 ELECTRIC COMPANY: SKRECC
 126 GARNER SCHOOL HOUSE RD
 SOMERSET, KY, 42503
 CONTACT: BRUCE
 EMAIL: BRUCEP@SKRECC.COM
 PHONE: (800) 487-4722 FAX: (800) 487-4722



SBA TOWERS IX, LLC
 8051 CONGRESS AVENUE
 BOCA RATON, FL 33487-1307
 TEL: (800) 487-7483



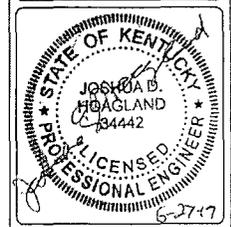
THE CROSSROADS GROUP, LLC
 WWW.THECROSSROADSGROUPLLC.COM
 16590 POTTSVILLE PIKE, SUITE A HAMBURG, PA 15526
 4111 BRADLEY CIRCLE NW, SUITE 240 CANTON, OH 44718
 PH: 484-660-3055 FAX: 484-660-3742

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE, OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT IS STRICTLY PROHIBITED.

| | |
|------------------|----------|
| SCALE: | AS SHOWN |
| DRAWN BY: | RMR |
| PLAN ORIG. DATE: | 02-27-19 |

REVISIONS

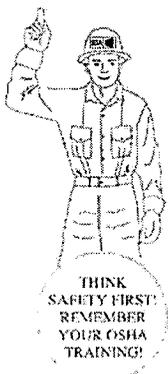
| NO. | DATE | DESCRIPTION |
|-----|---------|------------------------|
| C | 8-24-19 | PER CLIENT COMMENTS |
| B | 5-09-19 | KRPPES DESIGN |
| A | 3-27-19 | ADDITIONAL SITE SURVEY |



| | |
|---------------|-------------------------------|
| PROJECT NO: | 2739 |
| SITE NAME: | SHOPVILLE RELO |
| SITE NUMBER: | KY22841-S |
| SITE ADDRESS: | HWY 80 SOMERSET, KY, 42503 |
| FILE NAME: | TITLE-LEGEND.DWG |
| SHEET TITLE: | TITLE SHEET |
| DRAWING NO: | T-1 |
| REVISION: | C |

ABBREVIATIONS

| | | | | | |
|----------|-------------------------|-------|----------------------|--------|-------------------------|
| AB | ANCHOR BOLT | GR | GRADE | SIM | SIMILAR |
| AC | ASPHALTIC CONCRETE | GYP | GYPNUM | SPECS | SPECIFICATIONS |
| A/C | AIR CONDITIONING | GFCI | GROUND FAULT CIRCUIT | SS | STAINLESS STEEL |
| ADJ | ADJUSTABLE | | INTERRUPT | STL | STEEL |
| A.F.F. | ABOVE FINISH FLOOR | GND | GROUND | STOR | STORAGE |
| ARCH | ARCHITECTURAL | HC | HOLLOW CORE | STRUCT | STRUCTURAL |
| APPROX | APPROXIMATELY | HDW | HARDWARE | SUSP | SUSPENDED |
| A.G.L. | ABOVE GRADE LEVEL | HTR | HEATER | SW | SWITCH |
| A.M.S.L. | ABOVE MEAN SEA LEVEL | HM | HOLLOW METAL | SWBO | SWITCHBOARD |
| BD | BOARD | HORIZ | HORIZONTAL | THK | THICK |
| BLDG | BUILDING | HR | HOUR | TI | TENANT IMPROVEMENT |
| BLKG | BLOCKING | HT | HEIGHT | TMA | TOWER MOUNTED AMPLIFIER |
| BOT | BOTTOM | HV | HIGH VOLTAGE | TOS | TOP OF SURFACE |
| BSMT | BASEMENT | ID | INSIDE DIMENSION | TS | TUBE STEEL |
| BTS | BASE TRANSCIVER STATION | INS | INSULATION | TYP | TYPICAL |
| C | COURSE(S) | INT | INTERIOR | U | UNDERGROUND |
| CEM | CEMENT | JOINT | JOINT | UNO | UNLESS NOTED OTHERWISE |
| CL | CHAIN LINK | LAM | LAMINATED | VCT | VINYL COMPOSITION |
| CLG | CEILING | LBS | POUNDS | | |
| CLR | CLEAR | LT | LIGHT | | |
| COL | COLUMN | LA | LIGHTNING ARRESTOR | | |
| CONC | CONCRETE | LNA | LOW NOISE AMPLIFIER | VERT | VERTICAL |
| CONST | CONSTRUCTION | MFR | MANUFACTURER | V.L.F. | VERIFY IN FIELD |
| CONT | CONTINUOUS | MAT | MATERIAL | VG | VERTICAL GRAIN |
| CORR | CORRIDOR | MAX | MAXIMUM | W/ | WITH |
| CO | CONDUIT ONLY | MECH | MECHANICAL | WD | WOOD |
| DIA | DIAMETER | MIN | MINIMUM | WR | WATER RESISTANT |
| DBL | DOUBLE | MISC | MISCELLANEOUS | WT | WEIGHT |
| DEPT | DEPARTMENT | ML | METAL LATH | XFMR | TRANSFORMER |
| DEMO | DEMOLITION | MO | MASONRY OPENING | ⊙ | AT |
| DIM | DIMENSION | MS | MACHINE SCREW | □ | CHANNEL |
| DN | DOWN | MTD | MOUNTED | ⊔ | CENTERLINE |
| DR | DOOR | MTL | METAL | ∠ | ANGLE |
| DTL | DETAIL | (N) | NEW | ⊥ | PROPERTY LINE |
| DWG | DRAWING | NIC | NOT IN CONTRACT | | |
| (E) | EXISTING | NO | NUMBER | | |
| EA | EACH | NTS | NOT TO SCALE | | |
| ELEC | ELECTRIC | O | OVERHEAD | | |
| ELEV | ELEVATION | OA | OVERALL | | |
| EQUIP | EQUIPMENT | O.C. | ON CENTER | | |
| EXP | EXPANSION | OPNG | OPENING | | |
| EXT | EXTERIOR | OPP | OPPOSITE | | |
| FA | FIRE ALARM | PARTN | PARTITION | | |
| FB | FLAT BAR | PL | PLATE | | |
| FF | FINISH FLOOR | PLAS | PLASTER | | |
| FH | FLAT HEAD | PLYWD | PLYWOOD | | |
| FIN | FINISH(ED) | POC | POINT OF CONNECTION | | |
| FLR | FLOOR | PROP | PROPERTY | | |
| FOS | FACE OF STUDS | PT | PRESSURE TREATED | | |
| FS | FINISH SURFACE | R | RISER | | |
| FT | FOOT, FEET | REQD | REQUIRED | | |
| FTG | FOOTING | RD | ROOF DRAIN | | |
| FW | FINISH WALL | RM | ROOM | | |
| F.G. | FINISH GRADE | RMS | ROOMS | | |
| FUT | FUTURE | RO | ROUGH OPENING | | |
| GA | GAUGE | SC | SOLID CORE | | |
| GALV | GALVANIZED | SCHED | SCHEDULE | | |
| GL | GLASS | SECT | SECTION | | |
| | | SHT | SHEET | | |



GENERAL NOTES

ANY SITE THAT IS PROPOSED TO BE 5,000 SF. OR MORE OF DISTURBANCE MUST HAVE EROSION AND SEDIMENTATION PLAN ON SITE AT ALL TIMES.

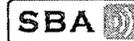
CONSTRUCTION NOTES

STORM SEWER

- UNLESS OTHERWISE NOTED, ALL STORM SEWER INLETS SHALL CONFORM TO DEPARTMENT OF TRANSPORTATION STANDARDS.
- UNLESS OTHERWISE NOTED, ALL STORM SEWER PIPING SHALL BE REINFORCED CONCRETE PIPE AND SHALL CONFORM TO DEPARTMENT OF TRANSPORTATION STANDARDS.
- UNLESS OTHERWISE NOTED, ALL CONCRETE ENDWALLS SHALL CONFORM TO DEPARTMENT OF TRANSPORTATION STANDARDS. THE TOP OF WALL ELEVATION FOR ALL ENDWALLS SHALL CONFORM TO THESE STANDARDS FOR THE ASSOCIATED PIPE SIZE. IN THE EVENT THAT A HIGHER TOP OF WALL ELEVATION IS NECESSARY FOR GRADING, THE "SPECIAL" TOP OF WALL ELEVATION SHALL BE NOTED ON THE PLANS.
- THE TOP OF GRATE ELEVATION FOR ALL CURBSIDE STORM SEWER INLETS IS FOR THE CENTER OF THE INLET AT THE FACE OF CURB. THE CONTRACTOR SHALL PROJECT THE ROADWAY GRADE ALONG THE LENGTH OF THE INLET.
- ALL STORM SEWER LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE SLOPES ARE CALCULATED BASED ON THIS LENGTH.

GENERAL CONSTRUCTION:

- THIS PLAN CONTAINS PRELIMINARY INFORMATION PERTAINING TO UNDERGROUND UTILITIES WHICH IS FOR GENERAL INFORMATION ONLY, AND MAY NOT BE BASED ON AN ACTUAL SUBSURFACE LOCATION SURVEY. ALL SUBSURFACE INFORMATION SHOWN ON THESE PLANS NEEDS TO BE VERIFIED BY THE PLAN USER. THE PREPARER OF THIS PLAN ASSUMES NO RESPONSIBILITY FOR AND MAKES NO REPRESENTATION OR WARRANTIES AS TO THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES OR OTHER UNDERGROUND FEATURES. THE PLAN USER SHALL EXECUTE A PA ONE CALL PRIOR TO ANY EXCAVATION ON THE SITE.
- ALL CONSTRUCTION SHALL CONFORM TO COUNTY STANDARDS AND SPECIFICATIONS OR DEPARTMENT OF TRANSPORTATION STANDARDS, WHICHEVER IS APPLICABLE.
- TOPSOIL SHOULD BE REMOVED FROM ALL AREAS OF CONSTRUCTION AND STORED SEPARATELY, PRIOR TO BULK EXCAVATION. UPON COMPLETION OF CONSTRUCTION, THE TOPSOIL SHOULD BE REDISTRIBUTED ON THE SITE UNIFORMLY.
- ALL CONTRACTORS SHALL BE RESPONSIBLE TO INSURE THAT ALL TRENCH EXCAVATIONS BE ADEQUATELY STABILIZED AND ACCESSED IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REQUIREMENTS, INCLUDING ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS / CODES OF SAFE PRACTICE AND PROCEDURES.
- CONTRACTOR SHALL PRE-TEST DESIGN DEPTHS FOR ALL BMP'S PRIOR TO INSTALLING RELATED STRUCTURES OR PERFORMING BULK EXCAVATION (REFER TO THE POST CONSTRUCTION STORMWATER MANAGEMENT PLAN FOR ALL BMP AND ASSOCIATED STRUCTURE LOCATIONS). MINOR ADJUSTMENTS MAY BE NECESSARY DURING CONSTRUCTION DUE TO UNKNOWN SITE CONDITIONS. IF NECESSARY, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY FOR FURTHER EVALUATION. ALL FIELD CHANGES MUST BE REVIEWED AND APPROVED BY THE MUNICIPALITY AND/OR AGENCY HAVING JURISDICTION.



SBA TOWERS IX, LLC
8581 CONGRESS AVENUE
BOCA RATON, FL 33487-1307
TEL: (800) 487-7483



THE CROSSROADS GROUP, LLC
www.thecrossroadsgroup.com

16260 Piedmont Pk., Ste A
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Ph: 484-680-5045
Fax: 484-680-5742

1174 S.R. 487
Pottsville, PA 17855
Ph: 717-872-2317
Fax: 484-680-5742

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| | |
|-----------------|----------|
| SCALE: | NTS |
| DRAWN BY: | JH |
| PLAN ORIG DATE: | 02-27-19 |

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|---------|------------------------|
| C | 8-24-18 | PER CLIENT COMMENTS |
| B | 8-08-18 | IPROSE DESIGN |
| A | 3-27-18 | ADDITIONAL SITE SURVEY |



| | |
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| PROJECT NO: | 2739 |
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| SITE NUMBER: | KY22841-S |
| SITE ADDRESS: | HWY 80 SOMERSET, KY, 42503 |
| FILE NAME: | TITLE-LEGEND.DWG |
| SHEET TITLE: | GENERAL NOTES (1) |
| DRAWING NO: | T-2 |
| REVISION: | C |

GENERAL NOTES

- ALL REFERENCES TO OWNER HEREIN SHALL BE CONSTRUED TO MEAN SBA OR ITS DESIGNATED REPRESENTATIVE.
- ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY. THAT HE IS LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE AND/OR COUNTY IN WHICH IT IS TO BE PERFORMED.
- UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
- ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR THE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE TESTING AGENCY PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER, THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, OBSERVATION VISITS TO THE SITE BY THE OWNER AND THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.
- ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCAL BUILDING CODE.
- ALL PROPOSED CELLULAR EQUIPMENT AND FIXTURES SHALL BE FURNISHED BY OWNER FOR INSTALLATION BY THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE HEREIN.
- ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
- RADIO EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

GRADING

- THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUB GRADE IN ITS PRESENT STATE. IF THE MATERIAL, AFTER REWORKING, IS UNSUITABLE THEN THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL AT HIS EXPENSE. ALL SUB GRADES SHALL BE PROPER ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIAL SHALL BE REWORKED OR REPLACED.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTABLE BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURES IN OPERABLE CONDITION.
- ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE.
- ALL DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE OWNER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED. THE CONTRACTOR SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

STRUCTURAL NOTES

- DESIGN REQUIREMENTS PER LOCAL BUILDING CODE AND THE EIA/71A-222-G STRUCTURAL STANDARDS FOR STEEL ANTENNAS TOWERS AND SUPPORTING STRUCTURES.
- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF A.I.S.C. SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN INCLUDING THE COMMENTARY AND THE A.I.S.C. CODE OF STANDARD PRACTICE.
- STRUCTURAL STEEL PLATES AND SHAPES SHALL CONFORM TO ASTM A36. ALL STRUCTURAL STEEL PIPES SHALL CONFORM TO ASTM A53 GRADE B. ALL STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500 GRADE B. ALL STRUCTURAL STEEL COMPONENTS AND FABRICATED ASSEMBLIES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
- WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) D.1.1-96. STRUCTURAL WELDING CODE-STEEL WELD ELECTRODES SHALL BE E70XX.
- ALL COAXIAL CABLE CONNECTORS AND TRANSMITTER EQUIPMENT SHALL BE AS SPECIFIED BY THE OWNER AND IS NOT INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL FURNISH ALL CONNECTION HARDWARE REQUIRED TO SECURE THE CABLES. CONNECTION HARDWARE SHALL BE STAINLESS STEEL.
- NORTH ARROW SHOWN ON PLANS REFERS TO TRUE NORTH. CONTRACTOR SHALL VERIFY NORTH AND INFORM OWNER OF ANY DISCREPANCY BEFORE STARTING CONSTRUCTION.
- ALL CAST IN PLACE CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND ACI 301, AND SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI (20.7 N). CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL UNLESS OTHERWISE NOTED. MINIMUM CONCRETE COVER SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM 615 GRADE 60. DEFORMED BULLET STEEL BARS, WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A185.
- THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST A.I.S.C. SPECIFICATIONS.
- ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE STEEL FABRICATOR IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
- HOT-DIP GALVANIZE STEEL SPECIFIED TO BE ZINC-COATED. AFTER FABRICATION WHERE PRACTICAL, GALVANIZING ASTM A 123 ASTM A 153/A 153M OR ASTM A 653/A 653M, G90, AS APPLICABLE.
- REPAIR DAMAGED SURFACES WITH GALVANIZING REPAIR METHOD AND PAINT CONFORMING TO ASTM A 780 OR BY APPLICATION OF STICK OR THICK PASTE MATERIAL SPECIFICALLY DESIGNED FOR REPAIR OF GALVANIZING. CLEAN AREAS TO BE REPAIRED AND REMOVE SLAG FROM WELDS. HEAT SURFACES TO WHICH STICK OR PASTE MATERIAL IS APPLIED WITH A TORCH TO A TEMPERATURE SUFFICIENT TO MELT THE METALLICS. IN STICK OR PASTE, SPREAD MOLTEN MATERIAL UNIFORMLY OVER SURFACES TO BE COATED AND WIPE OFF EXCESS MATERIAL.
- CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS/SPECIFICATIONS IF NO INFORMATION IS CONTAINED IN THESE PLANS OR IF THE MANUFACTURER'S SPECIFICATIONS ARE STRICTER. ALL STRUCTURES, STRUCTURAL DETAILS AND STRUCTURAL SPECIFICATIONS DEPICTED ON THIS PLAN SET ARE DESIGNER. THEY ARE PROVIDED FOR LOCATION AND GENERAL REFERENCE ONLY. ALL REGULATORY AND DESIGN OBLIGATIONS ARE THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER. THE CROSSROADS GROUP, LLC, ASSUMES NO RESPONSIBILITY OR LIABILITY ASSOCIATED WITH THE DESIGN OBLIGATIONS OF THE STRUCTURAL ENGINEER.

PERMITS

- CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES. (NOT SUPPLIED BY OWNER)
- ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS. (NOT SUPPLIED BY OWNER)
- ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND THE LATEST APPLICABLE CODES AND STANDARDS.
- THE CONTRACTOR SHALL NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY, OR CITY) ENGINEER 24 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- CONTRACTOR RESPONSIBLE FOR CLOSING AND FILING ALL PERMITS ASSOCIATED WITH SITE.

UTILITIES

- CONTRACTOR SHALL CONTACT A SUBSURFACE UTILITY LOCATOR FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. LOCATION OF EXISTING SEWER, WATER LINES, GAS LINES, CONDUITS OR OTHER STRUCTURES ACROSS, UNDERNEATH, OR OTHERWISE ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS, AND IF SHOWN ARE ONLY APPROXIMATELY LOCATED. CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR VERIFYING LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES (INCLUDING TEST PITS BY HAND IF NECESSARY) IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLANS, OR IF THERE APPEARS TO BE A CONFLICT.
- CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS WITH APPROPRIATE UTILITY OWNERS AND CONSTRUCTION MANAGER.
- DAMAGE BY THE CONTRACTOR TO UTILITIES OR PROPERTY OF OTHERS, INCLUDING EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRE CONSTRUCTION CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT. FOR GRASSED AREAS, SEED AND MULCH SHALL BE ACCEPTABLE.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REQUIREMENTS FOR AND LIMITS OF OVERHEAD AND/OR UNDERGROUND ELECTRICAL SERVICE.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF NEW UNDERGROUND TELEPHONE SERVICE WITH THE TELEPHONE UTILITY AND THE OWNER'S REQUIREMENTS.
- ALL UNDERGROUND UTILITIES SHALL BE INSTALLED AND TESTED SATISFACTORILY PRIOR TO COMMENCING ANY PAVING OPERATIONS WHERE SUCH UTILITIES ARE WITHIN THE LIMITS OF PAVEMENT.

CONSTRUCTION NOTES

- STORM SEWER**
- UNLESS OTHERWISE NOTED, ALL STORM SEWER INLETS SHALL CONFORM TO DEPARTMENT OF TRANSPORTATION STANDARDS.
 - UNLESS OTHERWISE NOTED, ALL STORM SEWER PIPING SHALL BE REINFORCED CONCRETE PIPE AND SHALL CONFORM TO DEPARTMENT OF TRANSPORTATION STANDARDS.
 - UNLESS OTHERWISE NOTED, ALL CONCRETE ENDWALLS SHALL CONFORM TO DEPARTMENT OF TRANSPORTATION STANDARDS. THE TOP OF WALL ELEVATION FOR ALL ENDWALLS SHALL CONFORM TO THESE STANDARDS. THE ASSOCIATED PIPE SIZE, IN THE EVENT THAT A HIGHER TOP OF WALL ELEVATION IS NECESSARY FOR GRADING, THE "SPECIAL" TOP OF WALL ELEVATION SHALL BE NOTED ON THE PLANS.
 - THE TOP OF GRADE ELEVATION FOR ALL CURBSIDE STORM SEWER INLETS IS FOR THE CENTER OF THE INLET AT THE FACE OF CURB. THE CONTRACTOR SHALL PROJECT THE ROADWAY GRADE ALONG THE LENGTH OF THE INLET.
 - ALL STORM SEWER LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE SLOPES ARE CALCULATED BASED ON THIS LENGTH.
- GENERAL CONSTRUCTION:**
- THIS PLAN CONTAINS PRELIMINARY INFORMATION PERTAINING TO UNDERGROUND UTILITIES WHICH IS FOR GENERAL INFORMATION ONLY, AND MAY NOT BE BASED ON AN ACTUAL SUBSURFACE LOCATION SURVEY. ALL SUBSURFACE INFORMATION SHOWN ON THESE PLANS NEEDS TO BE VERIFIED BY THE PLAN USER. THE PREPARER OF THIS PLAN ASSUMES NO RESPONSIBILITY FOR AND MAKES NO REPRESENTATION OR WARRANTIES AS TO THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES OR OTHER UNDERGROUND FEATURES. THE PLAN USER SHALL EXECUTE A PA ONE CALL PRIOR TO ANY EXCAVATION ON THE SITE.
 - ALL CONSTRUCTION SHALL CONFORM TO COUNTY STANDARDS AND SPECIFICATIONS OR DEPARTMENT OF TRANSPORTATION STANDARDS, WHICHEVER IS APPLICABLE. TOPSOIL SHOULD BE REMOVED FROM ALL AREAS OF CONSTRUCTION AND STORED SEPARATELY PRIOR TO BULK EXCAVATION. UPON COMPLETION OF CONSTRUCTION, THE TOPSOIL SHOULD BE REDISTRIBUTED ON THE SITE UNIFORMLY.
 - ALL CONTRACTORS SHALL BE RESPONSIBLE TO INSURE THAT ALL ALL EXCAVATIONS ARE IMMEDIATELY STABILIZED AND ACCESSED IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REQUIREMENTS, INCLUDING ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS / CODES OF SAFE PRACTICE AND PROCEDURES.
 - CONTRACTOR SHALL PRE-TEST DESIGN DEPTHS FOR ALL BMP'S PRIOR TO INSTALLING RELATED STRUCTURES OR PERFORMING BULK EXCAVATION (REFER TO THE POST CONSTRUCTION STORMWATER MANAGEMENT PLAN FOR ALL BMP AND ASSOCIATED STRUCTURE LOCATIONS). MINOR ADJUSTMENTS MAY BE NECESSARY DURING CONSTRUCTION DUE TO UNKNOWN SITE CONDITIONS. IF NECESSARY, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY FOR FURTHER EVALUATION. ALL FIELD CHANGES MUST BE REVIEWED AND APPROVED BY THE MUNICIPALITY AND/OR AGENCY HAVING JURISDICTION.

PAINTING

- CONTRACTOR TO COORDINATE PAINTING REQUIREMENTS WITH OWNER.
 - PAINT COLORS SHALL BE SELECTED TO MATCH EXISTING COLORS AND TEXTURES.
 - PROVIDE THE BEST QUALITY GRADE OF COATINGS AS REGULARLY MANUFACTURED BY APPROVED PAINT MATERIAL MANUFACTURERS. MATERIALS NOT DISPLAYING THE MANUFACTURER'S IDENTIFICATION AS A STANDARD, BEST-GRADE PRODUCT WILL NOT BE ACCEPTABLE.
 - PROVIDE UNDERCOAT PAINT PRODUCED BY THE SAME MANUFACTURER AS THE FINISH COATS. USE ONLY THINNERS APPROVED BY THE PAINT MANUFACTURER AND USE ONLY WITHIN RECOMMENDED LIMITS.
 - COMPLETELY COVER TO PROVIDE AN OPAQUE, SMOOTH SURFACE OF UNIFORM FINISH, COLOR, APPEARANCE, AND COVERAGE. CLOUDINESS, SPOTTINGS, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, ROPEINESS, OR OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE.
- FERROUS METALS**
SHOP PRIME
TOUCH-UP COAT - RED OXIDE METAL PRIMER
FINISH COATS - SEMI-GLOSS-ALYK ENAMEL

SBA CONSTRUCTION REQUIREMENTS

- AWARDED CONTRACTOR WILL BE REQUIRED TO SIGN AND RETURN A COPY OF AN AWARD LETTER FOR SBA'S FILE.
 - CONTRACTOR WILL BE REQUIRED TO PROVIDE PROOF OF LICENSE TO PERFORM WORK IN JURISDICTION AT TIME OF BID AWARD.
 - CONTRACTOR WILL PROVIDE A CONSTRUCTION SCHEDULE PRIOR TO CONSTRUCTION STARTING AND WILL PROVIDE UPDATE/CHANGES (WITH EXPLANATIONS) TO THAT SCHEDULE WHEN/IF ITEMS ARE DELAYED OR PUSHED OUT.
 - CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONCRETE COMPRESSIVE TESTING AND REQUIRED TO SUBMIT FINAL TEST RESULTS WITH CLOSE OUT BOOK.
 - CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE SBA PROJECT MANAGERS WITH PHOTOS OF THE MAJOR CONSTRUCTION MILESTONES AS THEY OCCUR.
 - CONTRACTOR WILL BE RESPONSIBLE TO ASSIST IN COORDINATING AND OBTAINING PRIMARY POWER TO THE SITE PRIOR TO TOWER ERECTION, AS WELL AS TELCO SERVICE BEFORE PROJECT COMPLETION. (ON SITE VISITS WITH UTILITY COMPANY REPRESENTATIVES AS NECESSARY, ETC.)
 - CONTRACTOR WILL HAVE A REPRESENTATIVE ON A WEEKLY CONFERENCE CALL TO PROVIDE SBA WITH SITE SPECIFIC UPDATES. CURRENTLY, THIS CONFERENCE CALL IS HELD EACH AND EVERY THURSDAY AT 4 PM (EASTERN TIME).
 - CONTRACTOR SHOULD BE PREPARED FOR RANDOM SBA SAFETY INSPECTIONS AT ALL TIMES.
 - CONTRACTOR IS EXPECTED TO MAINTAIN PROPER WORKING CONDITIONS AND PROCEDURES PER OSHA STANDARDS AT ALL TIMES.
 - CONTRACTOR WILL BE REQUIRED TO OBTAIN THE NECESSARY ELECTRICAL PERMITS AND INSPECTIONS AS REQUIRED BY JURISDICTION.
 - CONTRACTOR IS EXPECTED TO CLOSE-OUT THE JOB SITE AS QUICKLY AS POSSIBLE (OBTAINING A CERTIFICATE OF OCCUPANCY AND GETTING SBA'S REGIONAL SITE MANAGER'S SIGN-OFF/CHECKLIST APPROVAL ON THE SITE).
 - CONTRACTOR WILL PROVIDE A COMPLETED TOWER HEIGHT VERIFICATION FORM AND TAPE DROP WITHIN 24 HOURS OF REACHING OVERALL HEIGHT.
 - CONTRACTOR WILL UTILIZE ALL OF THE SBA PROVIDED DOCUMENTATION INCLUDING BUT NOT LIMITED TO: TOWER CONSTRUCTION ACCEPTANCE CHECKLIST, CONSTRUCTION SCHEDULE, CONSTRUCTION CLOSE-OUT LIST & TOWER HEIGHT VERIFICATION.
 - CONTRACTOR IS RESPONSIBLE FOR CONCRETE COMPRESSION TESTING.
 - CONTRACTOR IS RESPONSIBLE FOR GROUND MEG TESTING.
 - CONTRACTOR IS RESPONSIBLE FOR ALL GRADING AND FILL COMPACTION TESTING IS REQUIRED AS SET FORTH IN THE GEO TECHNICAL REPORT PROVIDED BY OWNER.
 - ALL ELECTRICAL EQUIPMENT, ELECTRICAL DETAILS AND ELECTRICAL SPECIFICATIONS DEPICTED ON THIS PLAN SET ARE DESIGNED BY OTHERS. THEY ARE PROVIDED FOR LOCATION AND GENERAL REFERENCE ONLY. ALL REGULATORY AND DESIGN OBLIGATIONS ARE THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER. THE CROSSROADS GROUP, LLC, ASSUMES NO RESPONSIBILITY OR LIABILITY ASSOCIATED WITH THE DESIGN OBLIGATIONS OF THE ELECTRICAL ENGINEER.
- HANDICAPPED REQUIREMENTS**
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS NOT REQUIRED.
- PLUMBING REQUIREMENTS**
FACILITY HAS NO PLUMBING.

SBA

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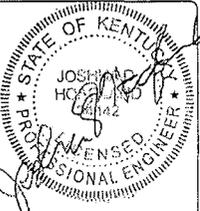
1174 S R. 407
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Fax: 848-078-2319

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| | |
|-----------------|----------|
| SCALE: | NTS |
| DRAWN BY: | JH |
| PLAN ORIG DATE: | 02-27-19 |

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|----------|------------------------|
| C | 8-24-18 | FOR CLIENT COMMENTS |
| B | 10-09-18 | RFOTES DESIGN |
| A | 3-27-19 | ADDITIONAL SITE SURVEY |



PROJECT NO: 2739

SITE NAME: SHOPVILLE RELO

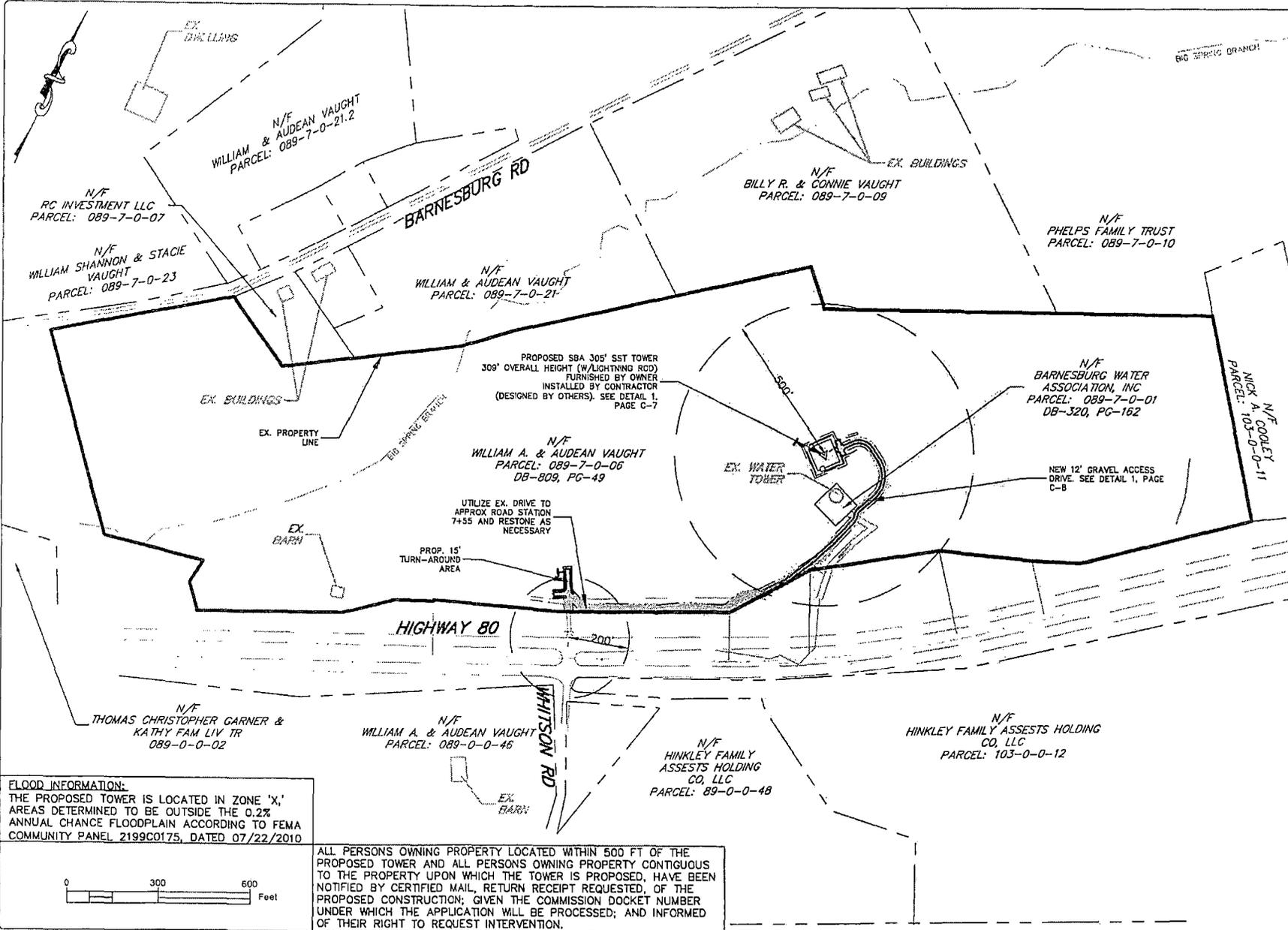
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SITE ADDRESS: HWY 80
SOMERSET, KY, 42503

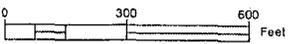
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SHEET TITLE: GENERAL NOTES (2)

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| DRAWING NO | REVISION |
| T-3 | C |



FLOOD INFORMATION:
 THE PROPOSED TOWER IS LOCATED IN ZONE 'X,' AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL 2199C0175, DATED 07/22/2010



ALL PERSONS OWNING PROPERTY LOCATED WITHIN 500 FT OF THE PROPOSED TOWER AND ALL PERSONS OWNING PROPERTY CONTIGUOUS TO THE PROPERTY UPON WHICH THE TOWER IS PROPOSED, HAVE BEEN NOTIFIED BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED, OF THE PROPOSED CONSTRUCTION; GIVEN THE COMMISSION DOCKET NUMBER UNDER WHICH THE APPLICATION WILL BE PROCESSED; AND INFORMED OF THEIR RIGHT TO REQUEST INTERVENTION.



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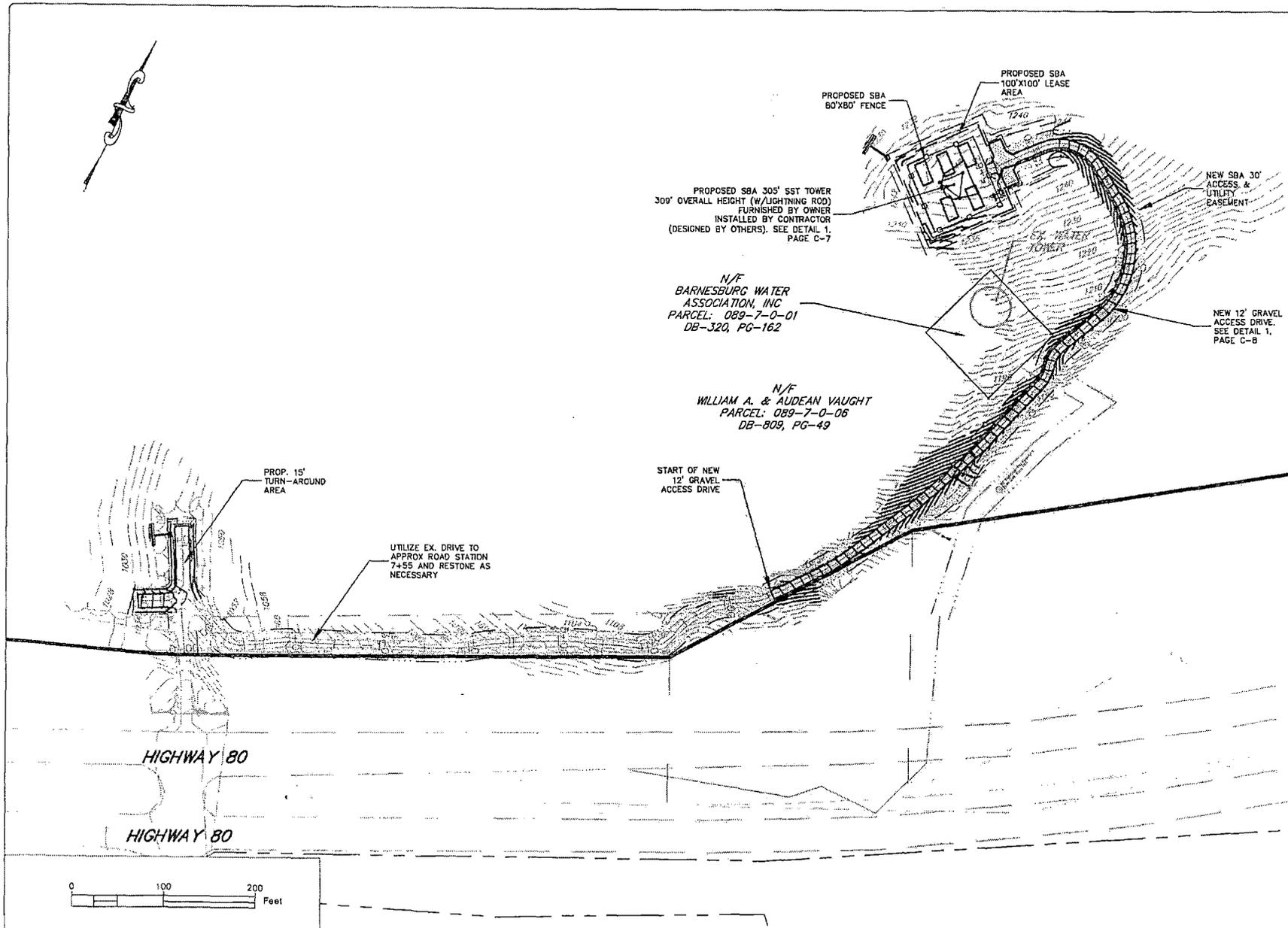
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SCALE: 1" = 300'
 DRAWN BY: RMR
 PLAN ORG DATE: 02-27-19

| REVISIONS | | |
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| NO. | DATE | DESCRIPTION |
| C | 8-24-19 | PER CLIENT COMMENTS |
| B | 8-06-19 | XPODES DESIGN |
| A | 3-27-19 | ADDITIONAL SITE SURVEY |



| | |
|---------------|-------------------------------|
| PROJECT No | 2739 |
| SITE NAME: | SHOPVILLE RELO |
| SITE NUMBER: | KY22841-S |
| SITE ADDRESS: | HWY 80 SOMERSET, KY, 42503 |
| FILE NAME: | CONSTRUCTION-SHEETS.DWG |
| SHEET TITLE: | ZONING PLAN |
| DRAWING NO. | REVISION |
| Z-1 | C |



PROPOSED SBA 305' SST TOWER
309' OVERALL HEIGHT (W/ LIGHTNING ROD)
FURNISHED BY OWNER
INSTALLED BY CONTRACTOR
(DESIGNED BY OTHERS). SEE DETAIL 1,
PAGE C-7

PROPOSED SBA 60'X60' FENCE

PROPOSED SBA 100'X100' LEASE AREA

NEW SBA 30' ACCESS & UTILITY EASEMENT

N/F
BARNESBURG WATER ASSOCIATION, INC
PARCEL: 089-7-0-01
DB-320, PG-162

N/F
WILLIAM A. & AUDEAN VAUGHT
PARCEL: 089-7-0-06
DB-809, PG-49

START OF NEW 12' GRAVEL ACCESS DRIVE

UTILIZE EX. DRIVE TO APPROX ROAD STATION 7+55 AND RESTONE AS NECESSARY

PROP. 15' TURN-AROUND AREA

SBA

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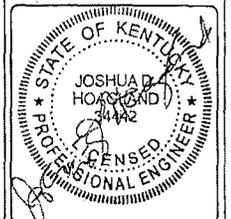
15600 Parkway Park Dr. A
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Parsippany, NJ 07054
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SCALE: 1" = 100'
DRAWN BY: RMR
PLAN ORIG. DATE: 02-27-19

| REVISIONS | | |
|-----------|---------|------------------------|
| NO. | DATE | DESCRIPTION |
| C | 8-24-19 | PER CLIENT COMMENTS |
| B | 5-09-19 | KPODES DESIGN |
| A | 3-27-19 | ADDITIONAL SITE SURVEY |



PROJECT No: 2739

SITE NAME: SHOPVILLE RELO

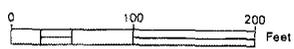
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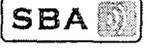
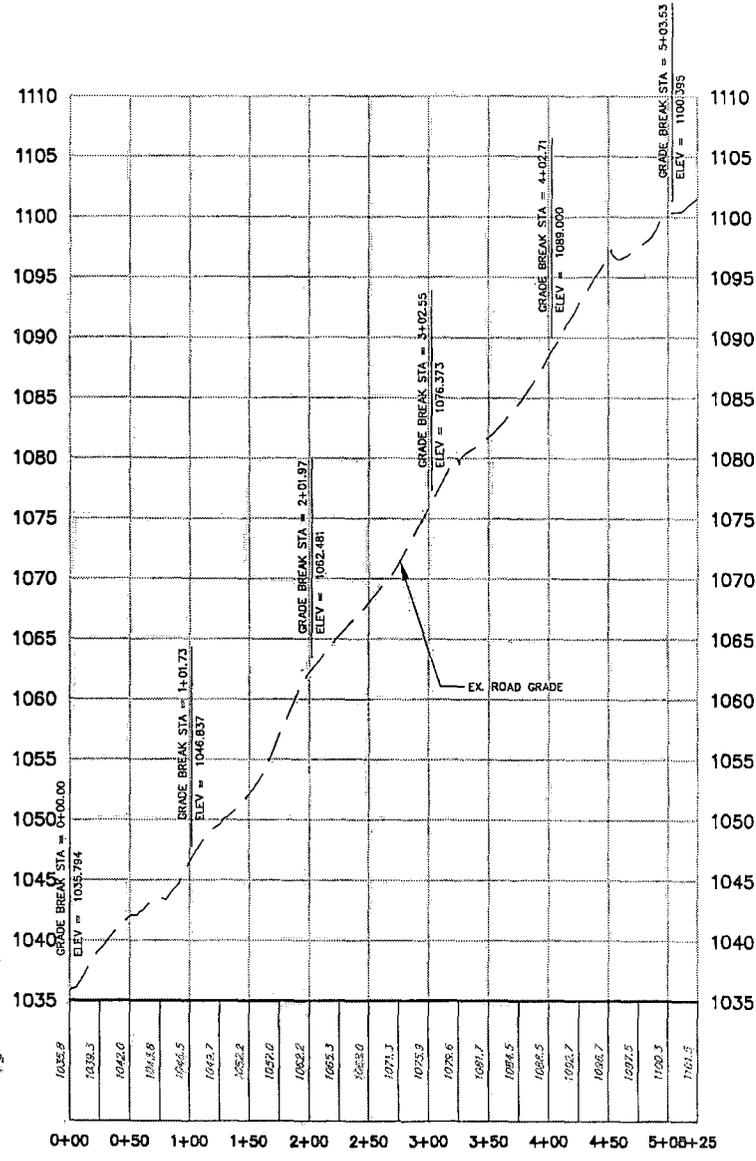
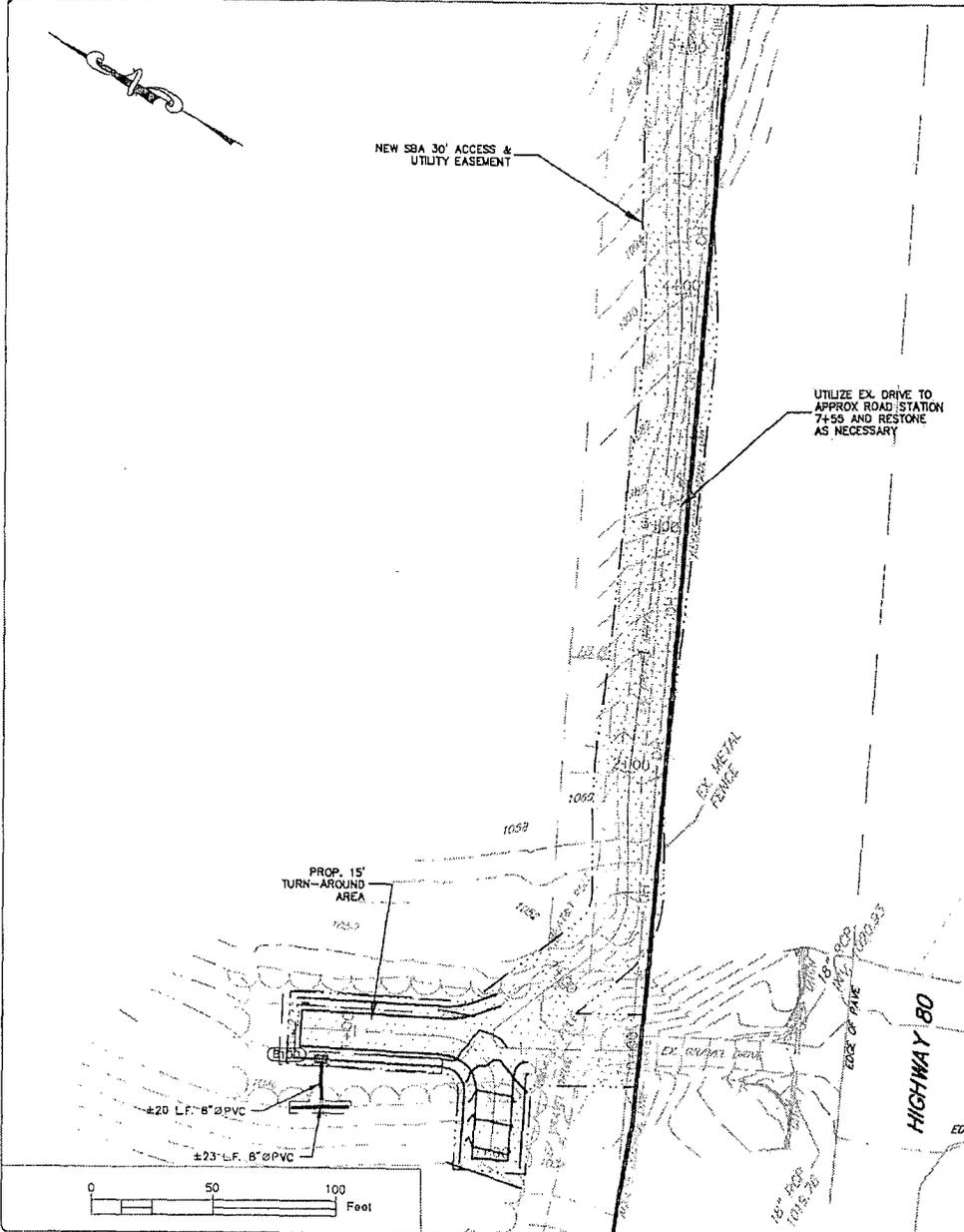
SITE ADDRESS: HWY 80
SOMERSET, KY, 42503

FILE NAME: CONSTRUCTION-SHEETS.DWG

SHEET TITLE: OVERALL SITE PLAN

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| DRAWING NO | REVISION |
| C-1 | C |





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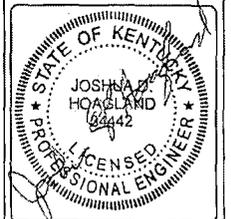
1630 Peachtree Park, Ste A Harrisburg, PA 17003
 1174 G.R. 487 Pottsville, PA 17880

PH: 484-860-3255 PH: 610-477-2317
 FAX: 484-860-3742 FAX: 610-800-3742

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SCALE: 1" = 50'
 DRAWN BY: RMR
 PLAN ORIG DATE: 02-27-19

| REVISIONS | | |
|-----------|---------|------------------------|
| NO. | DATE | DESCRIPTION |
| C | 8-24-19 | PER CLIENT COMMENTS |
| B | 5-09-19 | KPOES DESIGN |
| A | 3-27-10 | ADDITIONAL SITE SURVEY |



PROJECT No. 2739

SITE NAME: SHOPVILLE RELO

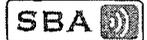
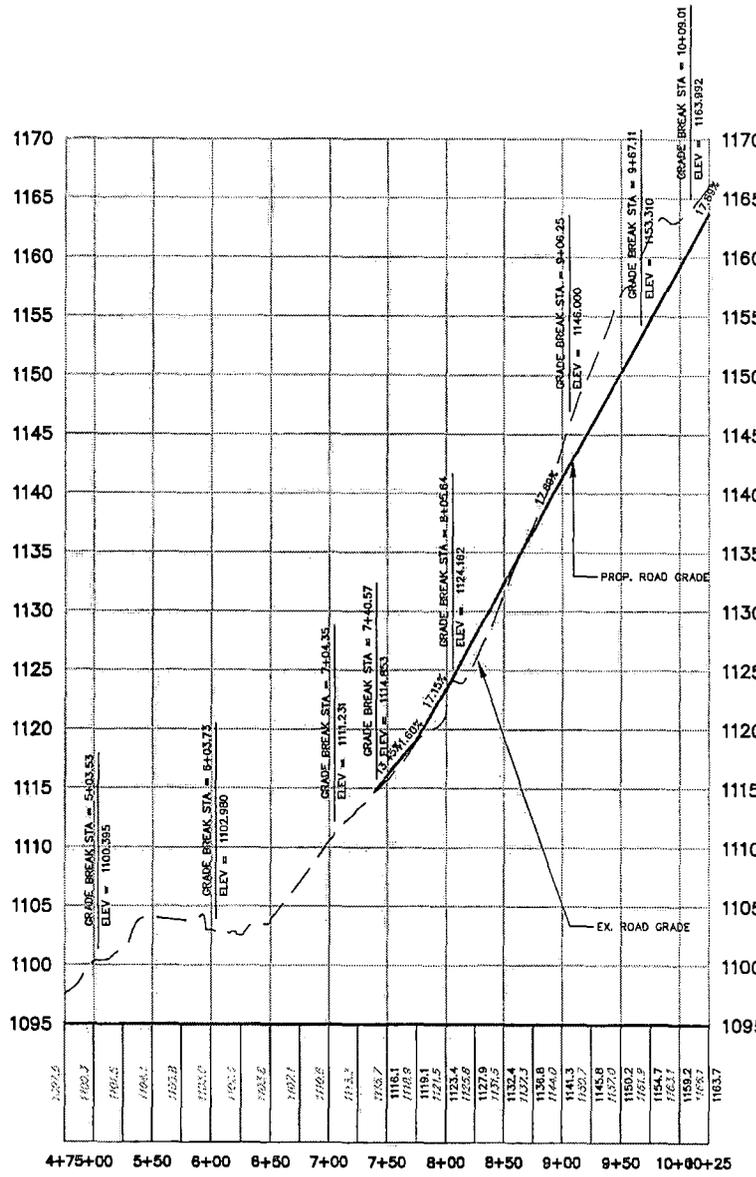
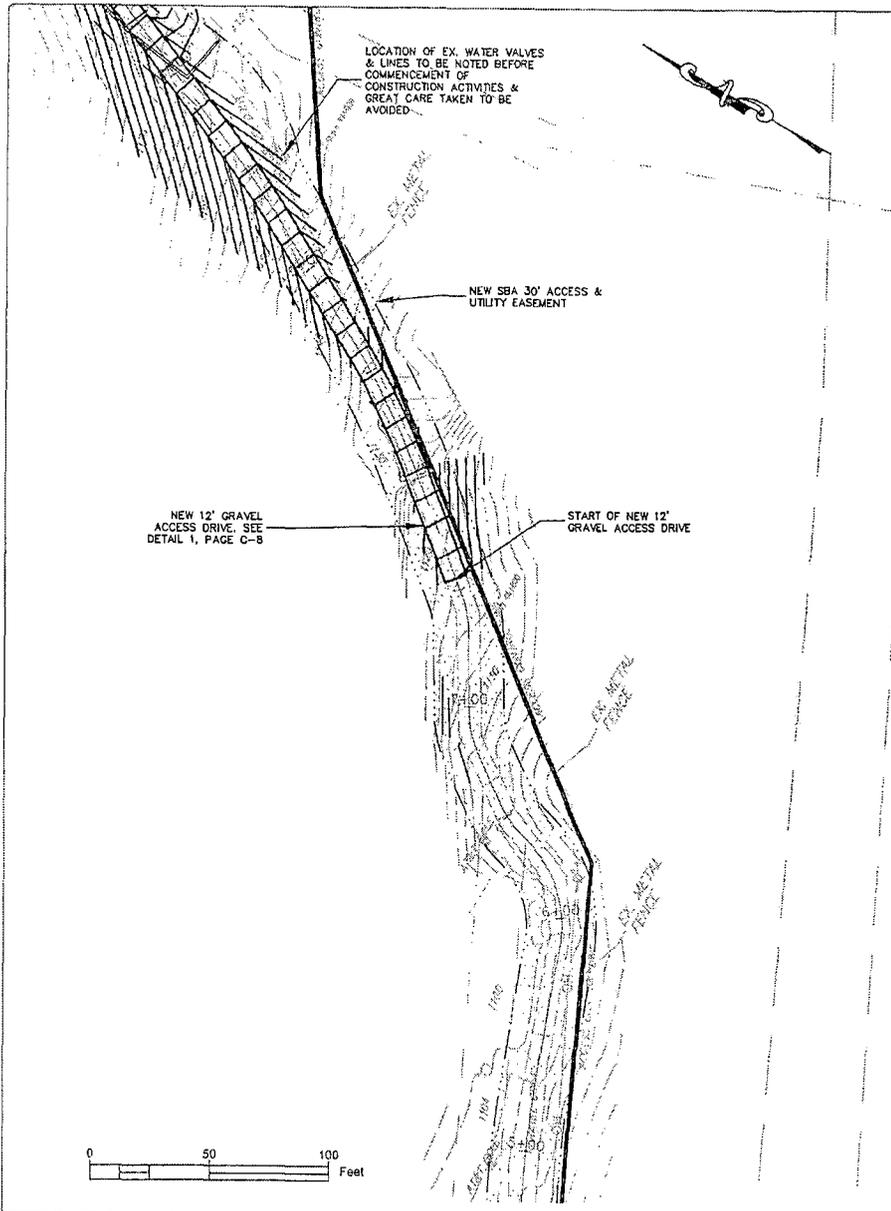
SITE NUMBER: KY22841-S

SITE ADDRESS: HWY 80
 SOMERSET, KY, 42503

FILE NAME: CONSTRUCTION-SHEETS.DWG

SHEET TITLE: PLAN & PROFILE 1

DRAWING NO: C-2
 REVISION: C



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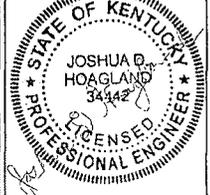


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SCALE: 1" = 50'
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PLAN ORIG. DATE: 02-27-19

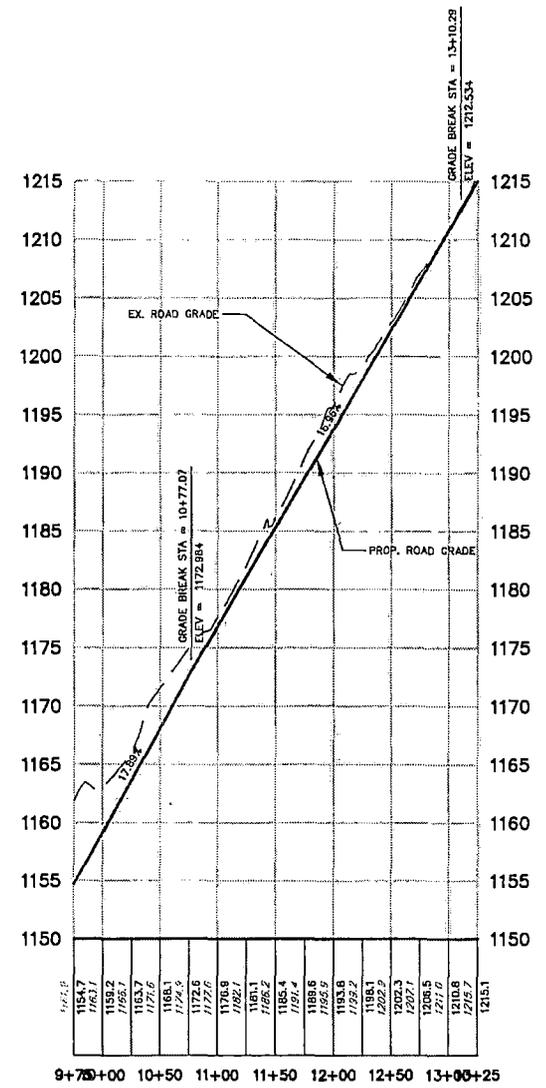
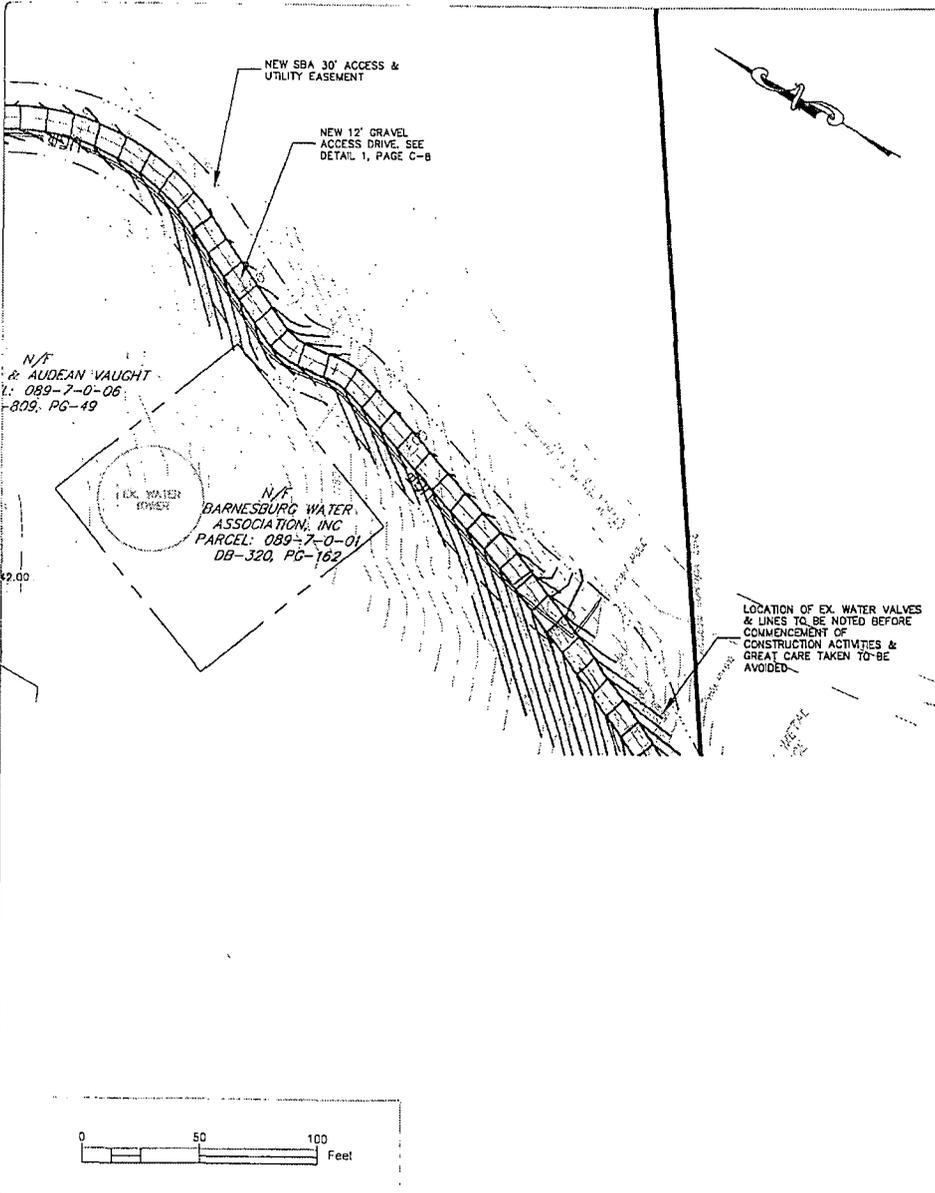
| REVISIONS | | |
|-----------|---------|------------------------|
| NO. | DATE | DESCRIPTION |
| C | 8-24-19 | PER CLIENT COMMENTS |
| B | 8-06-19 | KPOES DESIGN |
| A | 3-27-19 | ADDITIONAL SITE SURVEY |



PROJECT No. 2739
SITE NAME: SHOPVILLE RELO
SITE NUMBER: KY22841-S
SITE ADDRESS: HWY 80, SOMERSET, KY, 42503
FILE NAME: CONSTRUCTION-SHEETS.DWG

SHEET TITLE: PLAN & PROFILE 2

DRAWING NO. C-3
REVISION C



SBA

SBA TOWERS IX, LLC
8051 CONGRESS AVENUE
BOCA RATON, FL 33487-1307
TEL: (800) 467-7483

THE CROSSROADS GROUP, L.L.C.
www.thecrossroadsgroup.com

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Palm Bay, FL 32909
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Fax: 321-430-3742

1174 E. 4th
Palm Bay, FL 32909
Ph: 321-430-2517
Fax: 321-430-3742

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| | |
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| SCALE: | 1" = 50' |
| DRAWN BY: | RMR |
| PLAN ORIG. DATE: | 02-27-19 |

REVISIONS

| NO. | DATE | DESCRIPTION |
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PER CLIENT COMMENTS

| | | |
|---|---------|------------------------|
| C | 6-24-18 | PER CLIENT COMMENTS |
| B | 6-09-18 | KPDS DESIGN |
| A | 3-27-19 | ADDITIONAL SITE SURVEY |

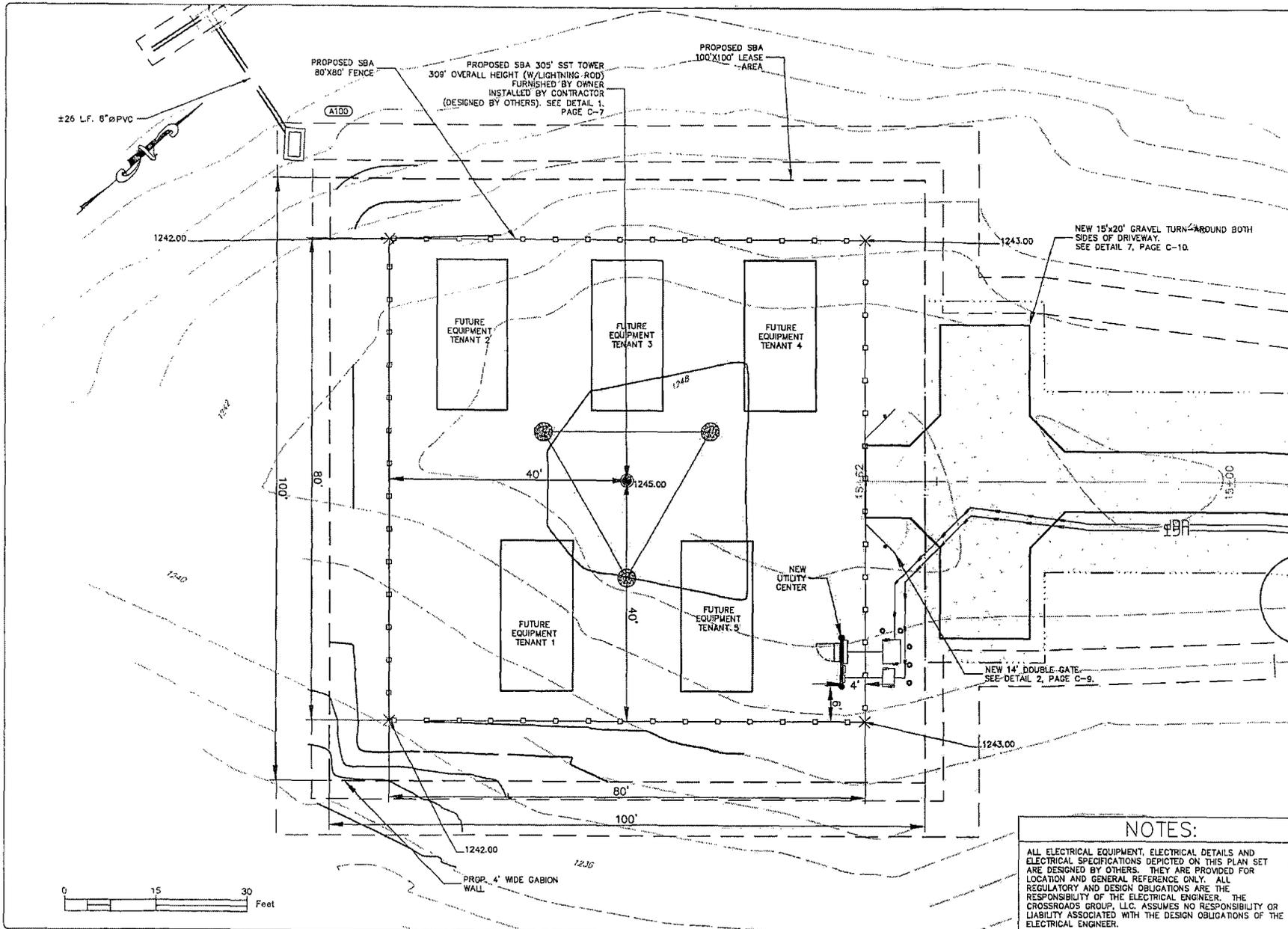
STATE OF KENTUCKY
JOSHUA D. HOAGLAND
34442
LICENSED PROFESSIONAL ENGINEER

| | |
|---------------|-------------------------------|
| PROJECT No. | 2739 |
| SITE NAME: | SHOPVILLE RELO |
| SITE NUMBER: | KY22841-S |
| SITE ADDRESS: | HWY 80 SOMERSET, KY, 42503 |
| FILE NAME: | CONSTRUCTION-SHEETS.DWG |

SHEET TITLE

PLAN & PROFILE 3

| | |
|------------|----------|
| DRAWING NO | REVISION |
| C-4 | C |



SBA

SBA TOWERS IX, LLC
 8051 CONGRESS AVENUE
 BOCA RATON, FL 33487-1507
 TEL: (800) 487-7483

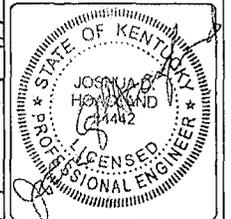


THE CROSSROADS GROUP, LLC
 www.thecrossroadsgroup.com
 18500 Poplar Pike, Ste. A 1174 S.R. 487
 Marietta, GA 30067 Marietta, GA 30067
 Ph: 404-850-3565 Ph: 404-872-2517
 Fax: 404-850-3742 Fax: 404-850-3742

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SCALE: 1" = 15'
 DRAWN BY: RMR
 PLAN ORIG DATE: 02-27-19

| REVISIONS | | |
|-----------|---------|------------------------|
| NO. | DATE | DESCRIPTION |
| C | 8-24-19 | PER CLIENT COMMENTS |
| B | 5-08-19 | KRDES DESIGN |
| A | 3-27-19 | ADDITIONAL SITE SURVEY |



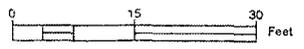
PROJECT NO: 2739
 SITE NAME: SHOPVILLE RELO
 SITE NUMBER: KY22841-S
 SITE ADDRESS: HWY 80
 SOMERSET, KY, 42503
 FILE NAME: CONSTRUCTION-SHEETS.DWG

SHEET TITLE:
ENLARGED SITE PLAN

DRAWING NO: C-6
 REV: 01 C

NOTES:

ALL ELECTRICAL EQUIPMENT, ELECTRICAL DETAILS AND ELECTRICAL SPECIFICATIONS DEPICTED ON THIS PLAN SET ARE DESIGNED BY OTHERS. THEY ARE PROVIDED FOR LOCATION AND GENERAL REFERENCE ONLY. ALL REGULATORY AND DESIGN OBLIGATIONS ARE THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER. THE CROSSROADS GROUP, LLC, ASSUMES NO RESPONSIBILITY OR LIABILITY ASSOCIATED WITH THE DESIGN OBLIGATIONS OF THE ELECTRICAL ENGINEER.





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1174 S.E. 47th
Pineburg, GA 29680
Ph: 803-472-2917
Fax: 803-472-2912

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SCALE: N.T.S.
DRAWN BY: JH
PLAN ORIG DATE: 02-27-19

REVISIONS

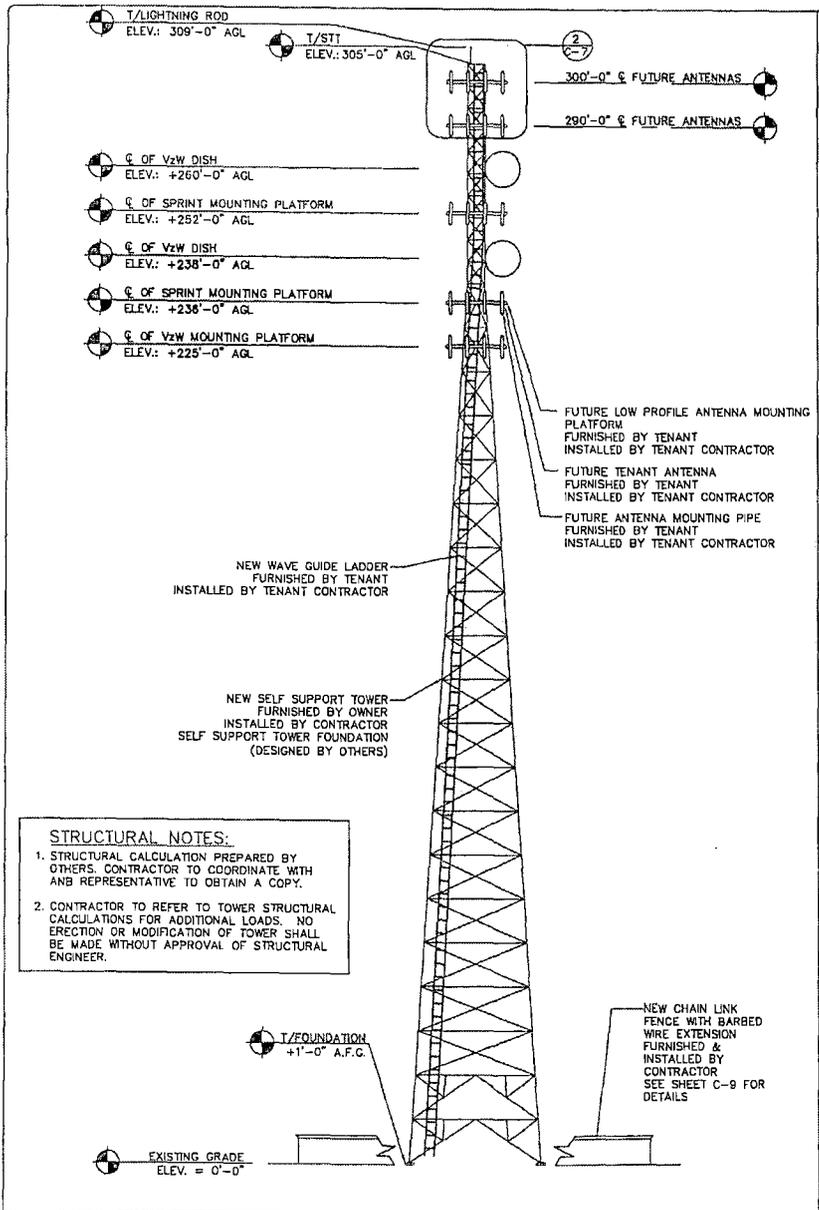
| NO. | DATE | DESCRIPTION |
|-----|---------|------------------------|
| C | 8-24-18 | PER CLIENT COMMENTS |
| B | 9-08-18 | RPOES DESIGN |
| A | 3-27-18 | ADDITIONAL SITE SURVEY |



PROJECT No: 2739
SITE NAME: SHOPVILLE RELO
SITE NUMBER: KY22841-S
SITE ADDRESS: HWY 80
SOMERSET, KY, 42503
FILE NAME: CONSTRUCTION-SHEETS.DWG

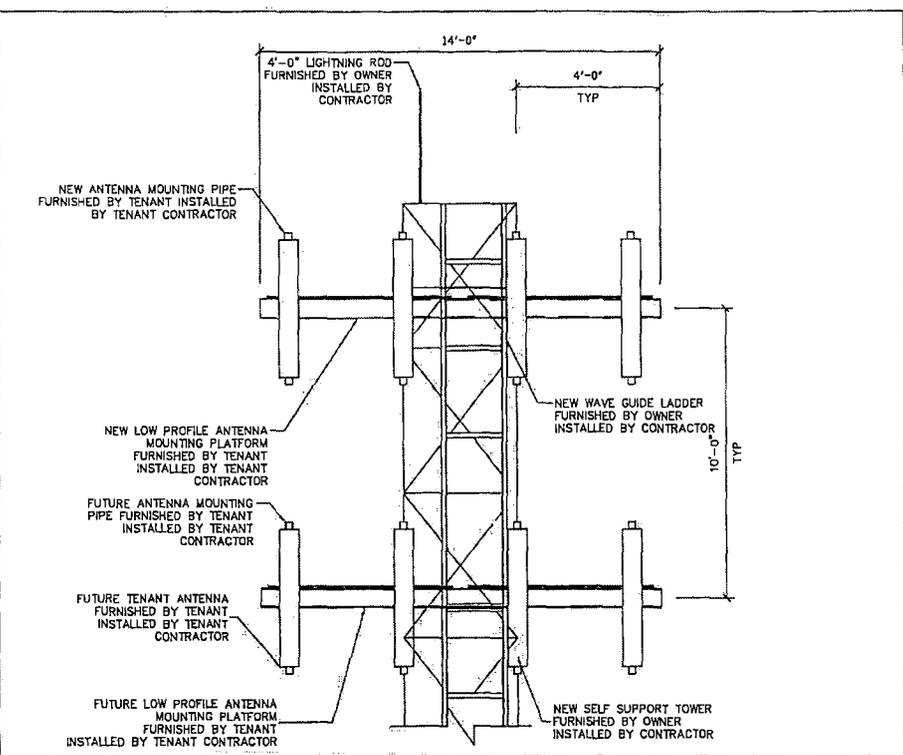
SHEET TITLE: TOWER ELEVATION PLAN

DRAWING NO: C-7
REVISION: C

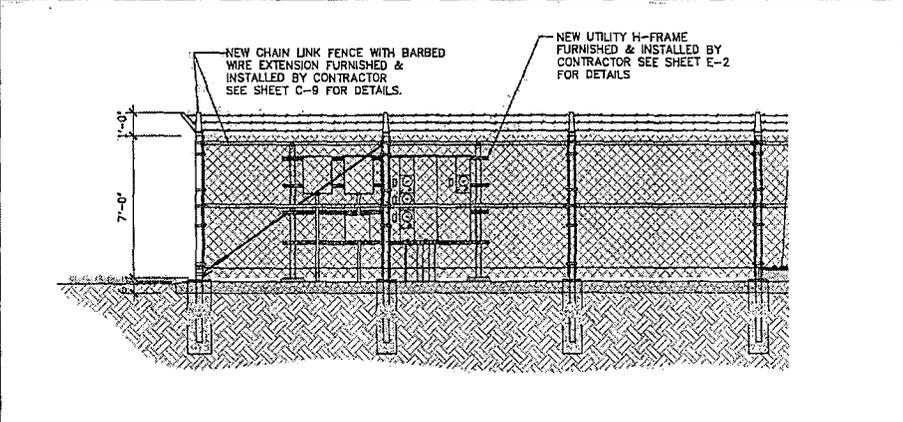


STRUCTURAL NOTES:

- STRUCTURAL CALCULATION PREPARED BY OTHERS. CONTRACTOR TO COORDINATE WITH ANB REPRESENTATIVE TO OBTAIN A COPY.
- CONTRACTOR TO REFER TO TOWER STRUCTURAL CALCULATIONS FOR ADDITIONAL LOADS. NO ERECTION OR MODIFICATION OF TOWER SHALL BE MADE WITHOUT APPROVAL OF STRUCTURAL ENGINEER.



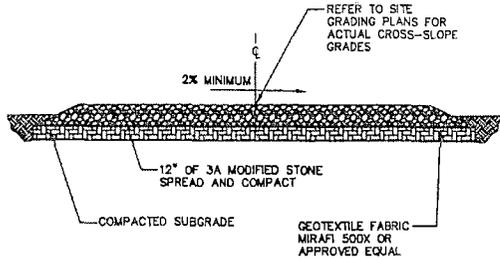
2 ELEVATION VIEW @ TOP OF TOWER SCALE: N.T.S.



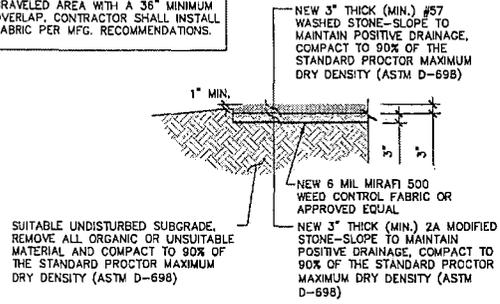
3 ELEVATION VIEW @ UTILITY H-FRAME SCALE: N.T.S.

1 ELEVATION VIEW SCALE: N.T.S.

NOTE:
WEED CONTROL FABRIC SHALL BE USED UNDER ACCESS DRIVE WITH A 36" MINIMUM OVERLAP. CONTRACTOR SHALL INSTALL FABRIC PER MFG. RECOMMENDATIONS.



NOTE:
WEED CONTROL FABRIC SHALL BE USED UNDER ENTIRE PROPOSED GRAVELED AREA WITH A 36" MINIMUM OVERLAP. CONTRACTOR SHALL INSTALL FABRIC PER MFG. RECOMMENDATIONS.



SBA
SBA TOWERS
SITE ID#:
FCC #:
EMERGENCY (800) 950-8782 (7463)
LEADING 300HP-FATE (7463)
24"x18" SF C-X PLASTIC (TEMP)

NO TRESPASSING AUTHORIZED ENTRY ONLY
WARNING: ANTENNAS MAY BE ACTIVE
DO NOT CLIMB TOWER WITHOUT OWNERS WRITTEN AUTHORIZATION

SBA
SITE ID #:
FCC #:
EMERGENCY (800) 950-8782 (7463)
LEADING 300HP-FATE (7463)
12"x24"x.063 ALUMINUM

CAUTION
18"x12" .040 ALUMINUM

PLEASE KEEP GATE CLOSED
18"x12" .040 ALUMINUM

FCC #: XXXXXXXX
4"x18" .040 ALUMINUM

NOTE:
CONTRACTOR TO POST THE TEMPORARY SIGNS PRIOR TO SITE CONSTRUCTION.

SBA
SBA TOWERS IX, LLC
8051 CONGRESS AVENUE
BOCA RATON, FL 33487-1307
TEL: (800) 487-7483

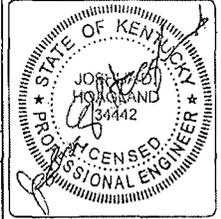


THE CROSSROADS GROUP, LLC
www.thecrossroadsgroupllc.com
1800 Paradise Pkwy, Ste. A 1174 E. 4th
Harrisburg, PA 17123 Harrisburg, PA 17160
Ph: 484-660-3325 Ph: 717-473-3317
Fax: 484-953-3342 Fax: 484-953-3342

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| SCALE: | N.T.S. |
| DRAWN BY: | RMR |
| PLAN ORIG. DATE: | 02-27-19 |

| REVISIONS | |
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| NO. | DATE DESCRIPTION |
| C | 8-24-18 PER CLIENT COMMENTS |
| B | 8-09-18 RPOCS DESIGN |
| A | 3-27-18 ADDITIONAL SITE SURVEY |



PROJECT NO: 2739
SITE NAME: SHOPVILLE RELO
SITE NUMBER: KY22841-S
SITE ADDRESS: HWY 80 SOMERSET, KY, 42503
FILE NAME: ZDET.DWG

SHEET TITLE:
CONSTRUCTION DETAILS -- SITE

| | |
|------------|----------|
| DRAWING NO | REVISION |
| C-8 | C |

1 ACCESS DRIVE DETAIL SCALE: N.T.S.

2 COMPOUND FINISH DETAIL SCALE: N.T.S.

3 SIGN DETAIL SCALE: N.T.S.

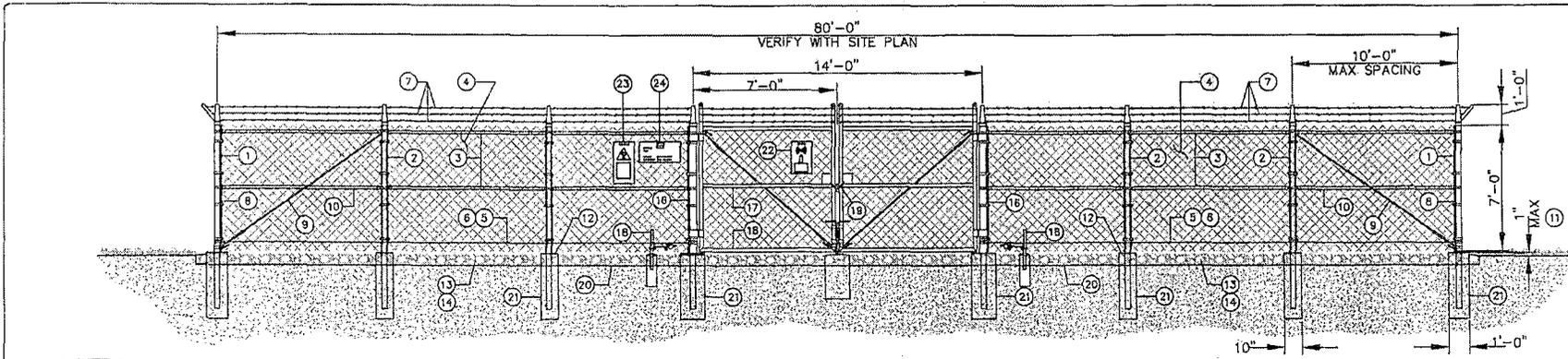
4 EROSION CONTROL DETAIL SCALE: N.T.S.

5 TYPICAL ROAD ENTRY SCALE: N.T.S.

6 CULVERT/RIP-RAP DETAIL SCALE: N.T.S.

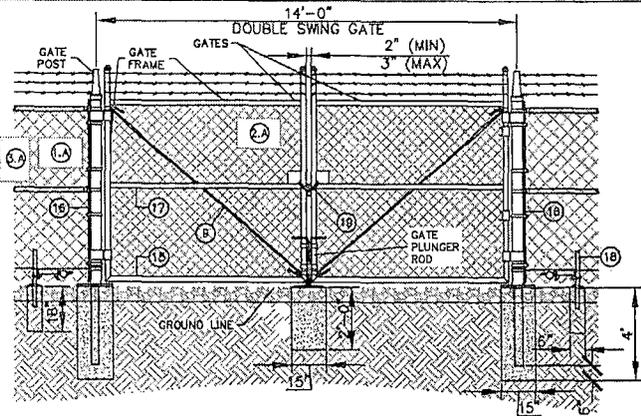
NOTE: REFER TO SHEET ES-6 FOR EROSION CONTROL DETAILS

NOTE: RIP-RAP IS NOT PROPOSED TO BE UTILIZED, NO RIP-RAP DETAILS



1 TYPICAL FENCING DETAIL

SCALE: N.T.S.



2 DOUBLE-SWING GATE/SIGN LOCATION DETAIL

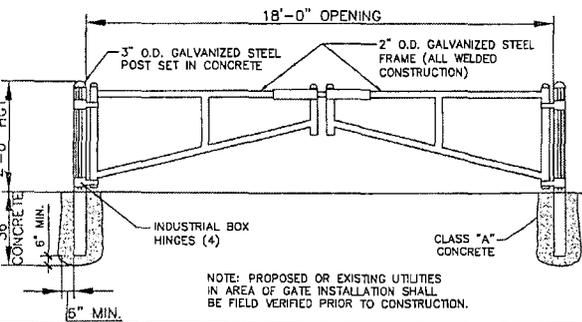
SCALE: 1/2"=1'-0"

GENERAL NOTES:

1. INSTALL FENCING PER ASTM F-567
2. INSTALL SWING GATES PER ASTM F-900
3. LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED IF REQUIRED.
4. POST & GATE PIPE SIZES ARE INDUSTRY STANDARDS. ALL PIPE TO BE GALVANIZED (HOT DIP, ASTM A120 GRADE "A" STEEL). ALL GATE FRAMES SHALL BE WELDED. ALL WELDING SHALL BE COATED WITH (3) COATS OF COLD GALV. (OR EQUAL).
5. ALL OPEN POSTS SHALL HAVE END-CAPS.
6. USE GALVANIZED HOG-RING WIRE TO MOUNT ALL SIGNS.
7. ALL SIGNS MUST BE MOUNTED ON INSIDE OF FENCE FABRIC.
8. MUSHROOM ANCHOR & PLUNGER REQUIRED FOR GATE.
9. LINE POST CONNECTIONS TO BE CAD WELD. CORNER POST CONNECTIONS TO BE MECHANICAL.
10. CAUTION - RFE SIGN (BLACK, YELLOW, WHITE) TO BE MOUNTED NEAR TOWER LEG W/CLIMBING CABLE. DO NOT RESTRICT CLIMBING ACCESS.
11. VERIZON WIRELESS SITE ID SIGN, RFE SIGNS, NOC INFORMATION SIGN AND ALL OTHER SIGNAGE NOT REFERENCED IN THIS DRAWING WILL BE FURNISHED AND INSTALLED BY VERIZON WIRELESS PERSONNEL PER VERIZON WIRELESS RFC SIGNAGE & DEMARCATION POLICY.

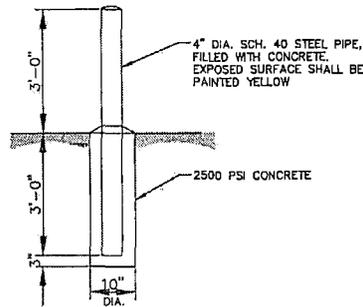
BALLOON REFERENCE NOTES:

- 1 CORNER, END OR PULL POST: 3" O.D. SCHEDULE 40 PIPE.
- 2 LINE POST: 2 1/2" NOMINAL SCHEDULE 40 PIPE, PER ASTM-F1083. LINE POSTS SHALL BE EQUALLY SPACED AT MAXIMUM 10'-0" O.C.
- 3 TOP RAIL & BRACE RAIL: 1-5/8" O.D. STANDARD ROUND PIPE, PER ASTM-F1083.
- 4 FABRIC: 9 GA CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
- 5 TIE WIRE: 9 GA ALUMINUM. A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED 12" O.C. POSTS/GATES AND 24" RAILS/WIRE.
- 6 TENSION WIRE: 9 GA ALUMINUM
- 7 BARBED WIRE: DOUBLE STRAND 12-1/2" O.D. TWISTED WIRE TO MATCH WITH FABRIC. 14 GA, 4 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS.
- 8 3/16" x 3/4" (MIN) FULL HEIGHT STRETCHER BAR.
- 9 3/8" DIAGONAL ROD WITH GALVANIZED STEEL TURNBUCKLE OR DIAGONAL THREADED ROD.
- 10 FENCE CORNER POST BRACE: 1 5/8" NOMINAL PIPE.
- 11 1" MAXIMUM CLEARANCE FROM FINISH GRADE.
- 12 FENCE POST FOUNDATION TO BE 1" FINISH ABOVE FINISHED GRADE
- 13 6" COMPACTED BASE MATERIAL
- 14 FINISH GRADE SHALL BE UNIFORM AND LEVEL.
- 15 WELDED GATE FRAME: 2" O.D., SCHEDULE 40 PIPE, PER ASTM-F1083.
- 16 GATE POST 4" O.D., SCHEDULE 40 PIPE, PER ASTM-F1083.
- 17 GATE FRAME BRACE RAIL: 1 1/2" NOMINAL PIPE, PER ASTM-F1083.
- 18 DUCK BILL OPEN GATE HOLDER. VERIFY LOCATION IN FIELD PRIOR TO INSTALLATION.
- 19 LOCKING DEVICE
- 20 GEOTEXTILE FABRIC
- 21 CONCRETE FOUNDATION (MIN 3000 PSI). MINIMUM DEPTH: 6" BELOW FROST LINE
- 22 12" x 18" RFE NOTICE SIGN.
- 23 12" x 18" RFE WARNING SIGN.
- 24 18" x 24" IDENTIFICATION SIGN.



3 A-FRAME BARRIER GATE DETAIL

SCALE: N.T.S.



4 BOLLARD DETAIL

SCALE: N.T.S.

5 FENCING NOTES



SBA TOWERS IV, LLC
8051 CONGRESS AVENUE
BOCA RATON, FL 33487-1307
TEL: (800) 487-7483

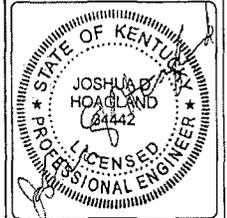


THE CROSSROADS GROUP, LLC
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| SCALE: | N.T.S. |
| DRAWN BY: | RMR |
| PLAN ORIG DATE: | 02-27-19 |

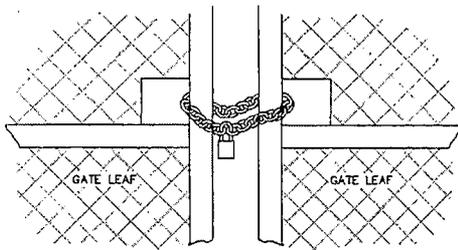
| REVISIONS | | |
|-----------|---------|------------------------|
| NO. | DATE | DESCRIPTION |
| C | 8-24-16 | PER CLIENT COMMENTS |
| B | 5-02-18 | ADDED DESIGN |
| A | 3-27-18 | ADDITIONAL SITE SURVEY |



| | |
|---------------|-------------------------------|
| PROJECT NO: | 2739 |
| SITE NAME: | SHOPVILLE RELO |
| SITE NUMBER: | KY22841-S |
| SITE ADDRESS: | HWY 80 SOMERSET, KY, 42503 |
| FILE NAME: | ZDET.DWG |

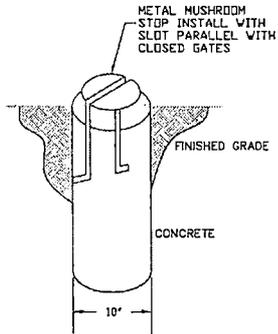
SHEET TITLE:
CONSTRUCTION DETAILS -
FENCE (1)

| | |
|------------|----------|
| DRAWING NO | REVISION |
| C-9 | C |



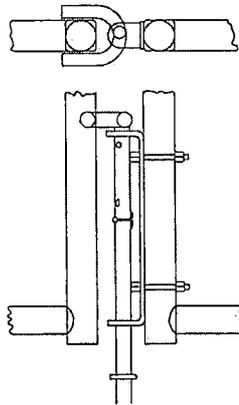
1 GATE FACE - WITH HAND HOLES

SCALE: N.T.S.



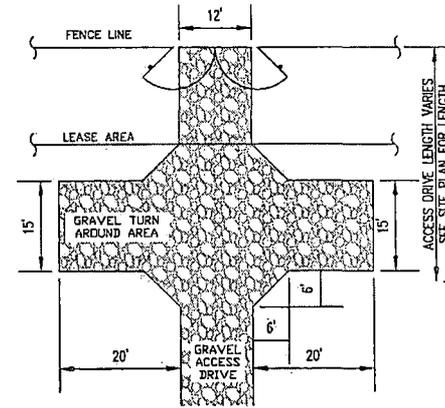
3 MUSHROOM STOP DETAIL

SCALE: N.T.S.



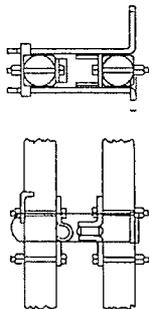
4 DROP ROD ASSEMBLY DETAIL

SCALE: N.T.S.



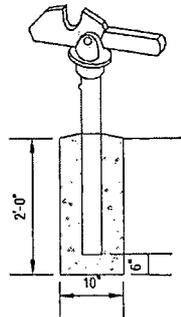
7 ACCESS DRIVE TURN-AROUND DETAIL

SCALE: N.T.S.



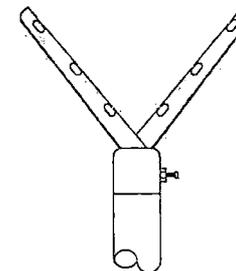
5 LATCH ASSEMBLY DETAIL

SCALE: N.T.S.



6 GATE KEEPER DETAIL

SCALE: N.T.S.



6 WIRE BRACKET DETAIL

SCALE: N.T.S.



SBA TOWERS IK, LLC
8051 CONGRESS AVENUE
BOCA RATON, FL 33487-1307
TEL: (800) 487-7483



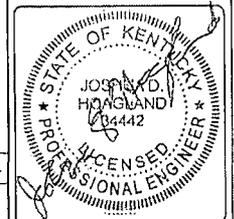
THE CROSSROADS GROUP, LLC
www.thecrossroadsgroup.com
10000 Highway 100, Box A
HARDING, PA 15229
1774 S.E. 207
PARKVA, PA 17660
Ph: 878-672-2117
Fax: 484-803-3142

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SCALE: N.T.S.
DRAWN BY: RMR
PLAN ORIG DATE: 02-27-19

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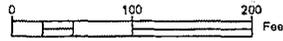
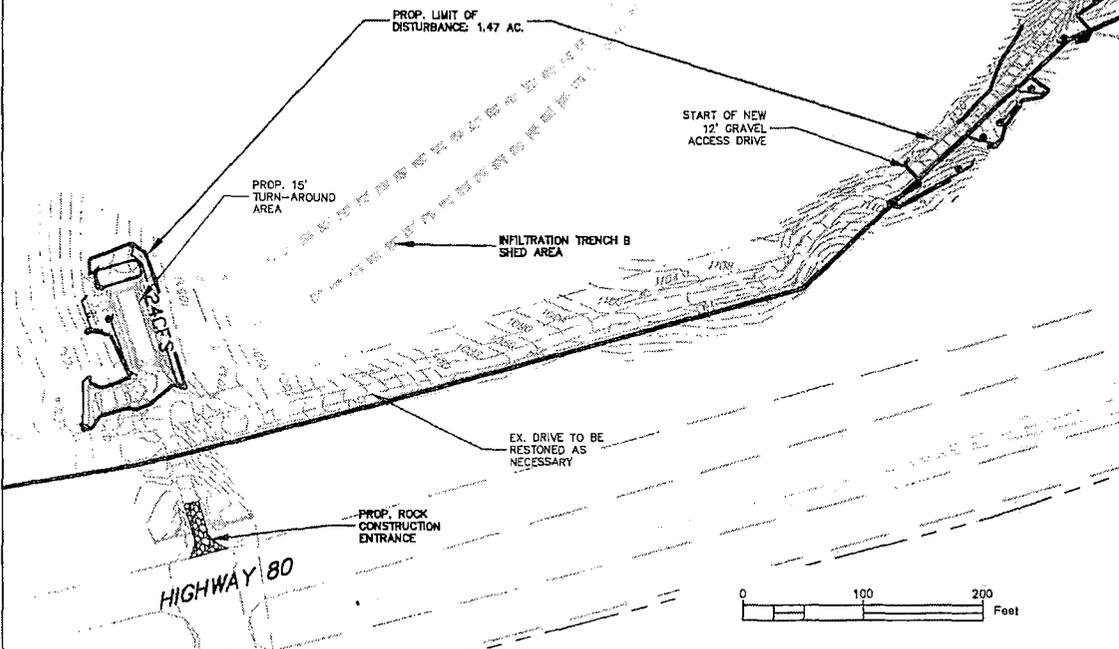
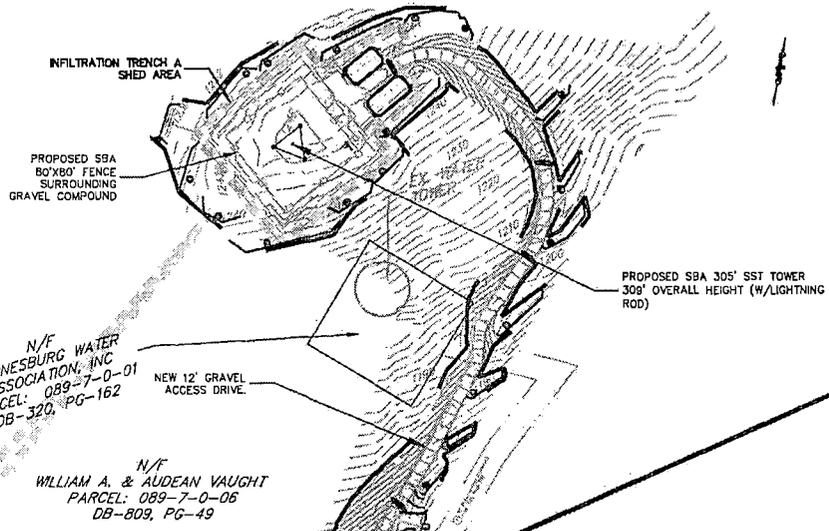
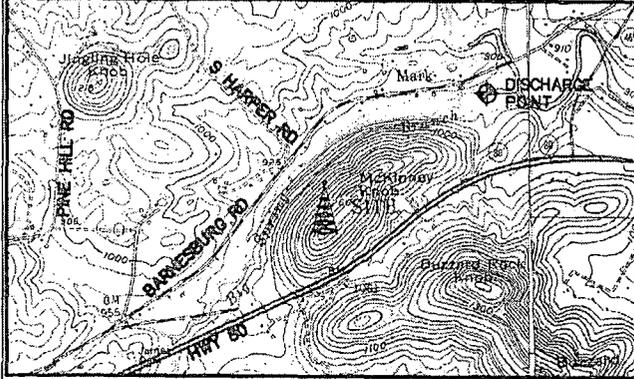


PROJECT No: 2739
SITE NAME: SHOPVILLE RELO
SITE NUMBER: KY22841-S
SITE ADDRESS: HWY 80
SOMERSET, KY, 42503
FILE NAME: ZDET.DWG

SHEET TITLE: CONSTRUCTION DETAILS -- FENCE (2)

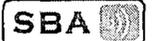
DRAWING NO: C-10
REVISION: C

USGS QUAD MAP 1"=2,000'



LEGEND

| | | |
|-----------|-----------|------------------------------|
| — NPDES — | — NPDES — | NPDES LINE |
| — TP — | — TP — | TREE PROTECTION/CONST. FENCE |
| — 8CFS — | — 8CFS — | 8" COMPOST FILTER SOCK |
| — 12CFS — | — 12CFS — | 12" COMPOST FILTER SOCK |
| — 18CFS — | — 18CFS — | 18" COMPOST FILTER SOCK |
| — 24CFS — | — 24CFS — | 24" COMPOST FILTER SOCK |
| — 32CFS — | — 32CFS — | 32" COMPOST FILTER SOCK |
| — — — | — — — | LIMIT OF DISTURBANCE |
| [Symbol] | [Symbol] | TOPSOIL STOCKPILE AREA |
| [Symbol] | [Symbol] | BASIN SHED LINE |
| [Symbol] | [Symbol] | ROCK CONSTRUCTION ENTRANCE |
| [Symbol] | [Symbol] | WATERBAR |



SBA TOWERS IX, LLC
5351 CONGRESS AVENUE
BOCA RATON, FL 33487-1307
TEL: (800) 487-7483

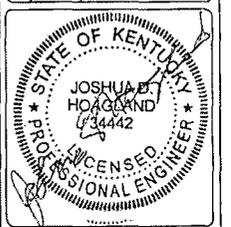


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Ph: 904-772-2117
Fax: 904-772-3103

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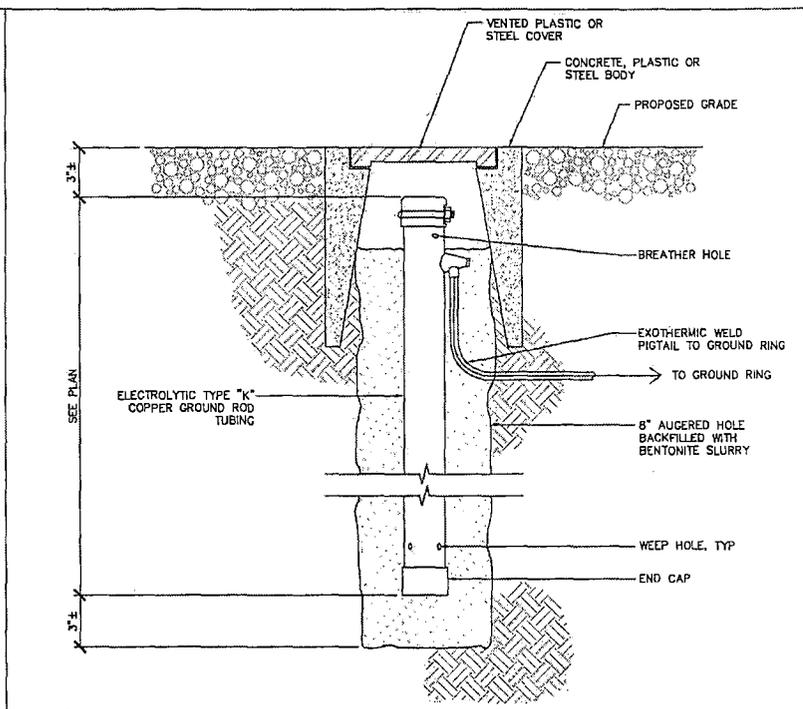
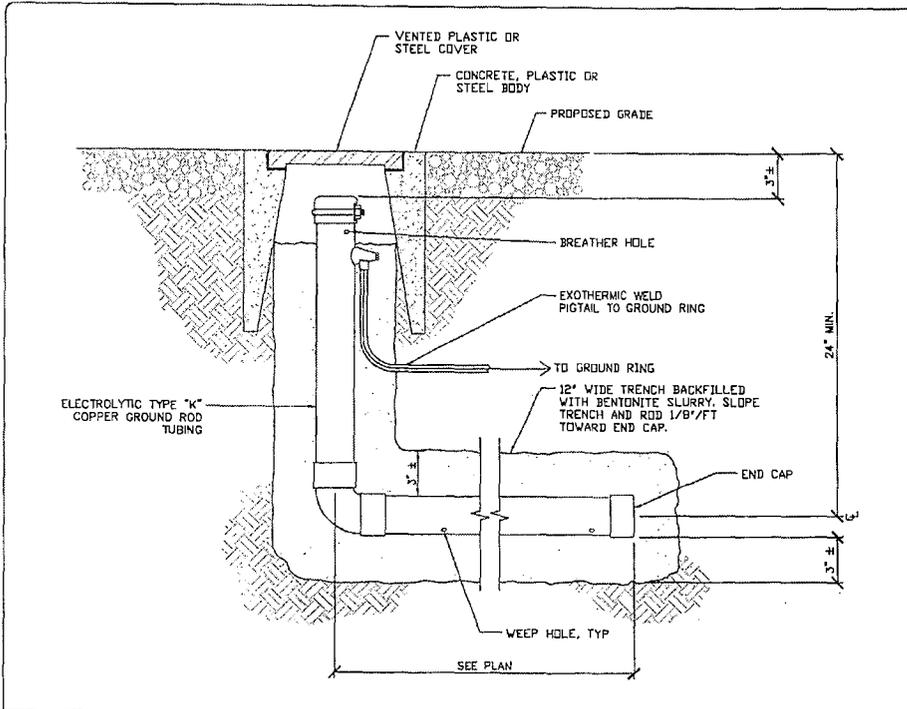
| | |
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| SCALE: | 1" = 100' |
| DRAWN BY: | RMR |
| PLAN ORIG DATE: | 02-27-19 |

| REVISIONS | |
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| NO. | DESCRIPTION |
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| | |
| C 8-24-19 | PER CLIENT COMMENTS |
| B 5-06-19 | KPODES DESIGN |
| A 3-27-19 | ADDITIONAL SITE SURVEY |



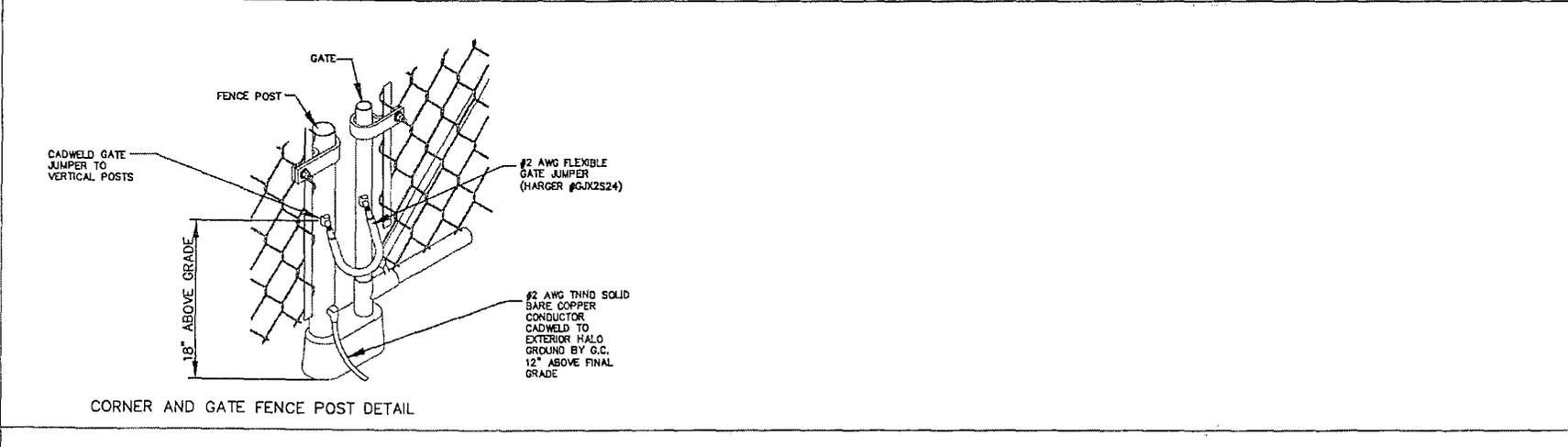
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| PROJECT No. | 2739 |
| SITE NAME: | SHOPVILLE RELO |
| SITE NUMBER: | KY22841-S |
| SITE ADDRESS: | HWY 80 SOMERSET, KY, 42503 |
| FILE NAME: | ZES.DWG |
| SHEET TITLE: | EROSION & SEDIMENT CONTROL PLAN 1 |

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| DRAWING NO | REVISION |
| ES-1 | C |

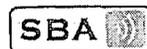


1 XIT CHEMICAL GROUND DETAIL HORIZONTAL (WHEN REQUIRED) SCALE: N.T.S.

2 XIT CHEMICAL GROUND DETAIL VERTICAL (WHEN REQUIRED) SCALE: N.T.S.



CORNER AND GATE FENCE POST DETAIL



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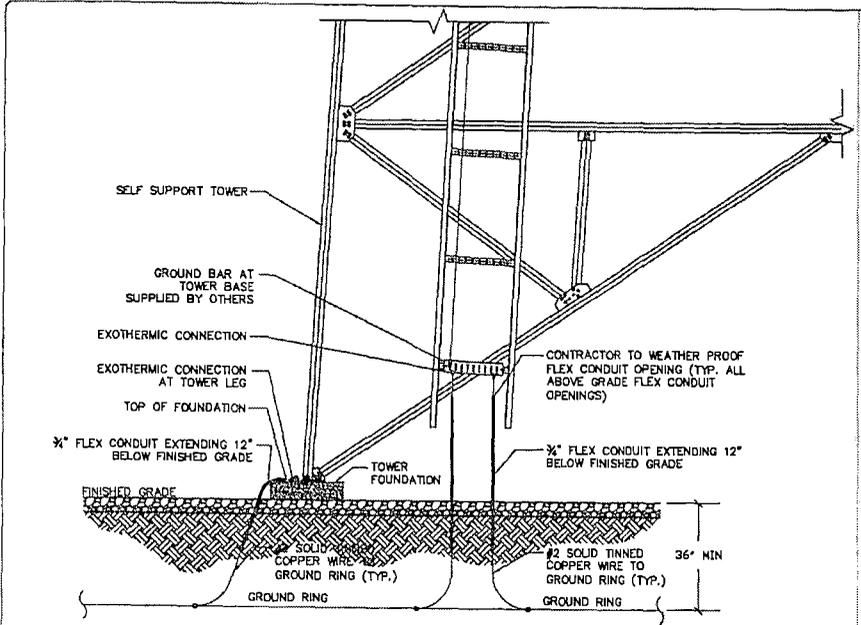
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| SCALE: | N.T.S. |
| DRAWN BY: | RMR |
| PLAN ORIG. DATE: | 02-27-19 |

| REVISIONS | |
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| NO. | DATE DESCRIPTION |
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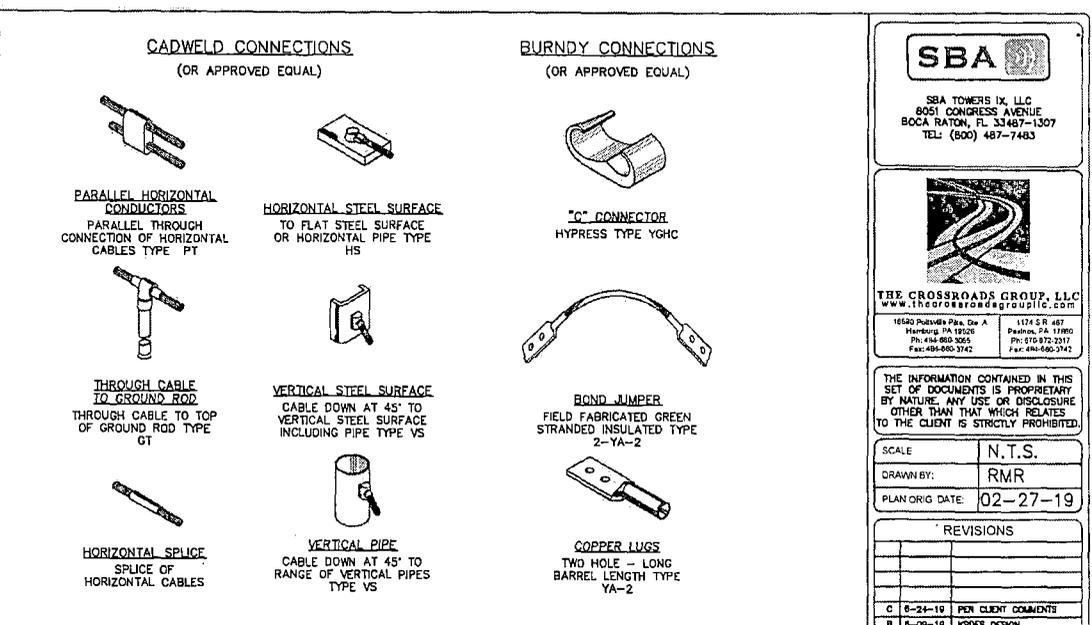
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| PROJECT No. | 2739 |
| SITE NAME: | SHOPVILLE RELO |
| SITE NUMBER: | KY22841-S |
| SITE ADDRESS: | HWY 80 SOMERSET, KY, 42503 |
| FILE NAME: | UTILITY-GROUNDING.DWG |
| SHEET TITLE: | GROUNDING DETAIL (2) |

| | |
|-------------|----------|
| DRAWING NO. | REVISION |
| EG-3 | C |



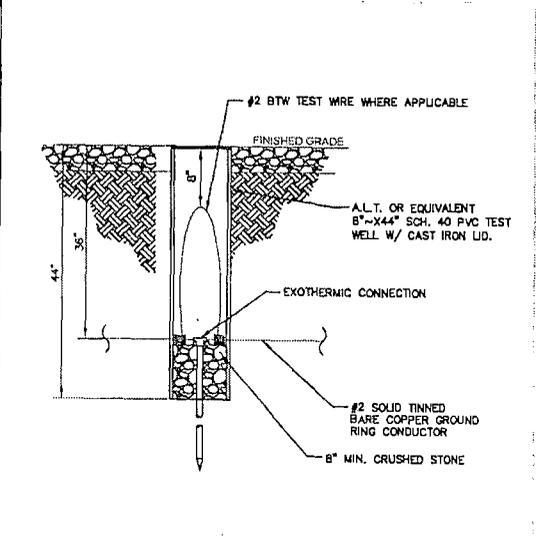
1 GROUNDING @ TOWER BASE

SCALE: N.T.S.



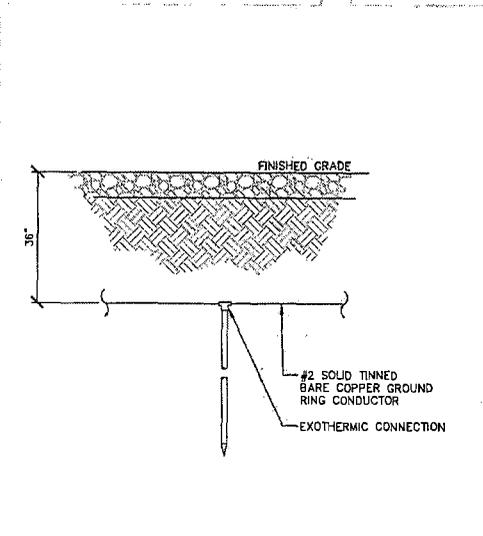
2 TYPICAL WELDING CONNECTIONS

SCALE: N.T.S.



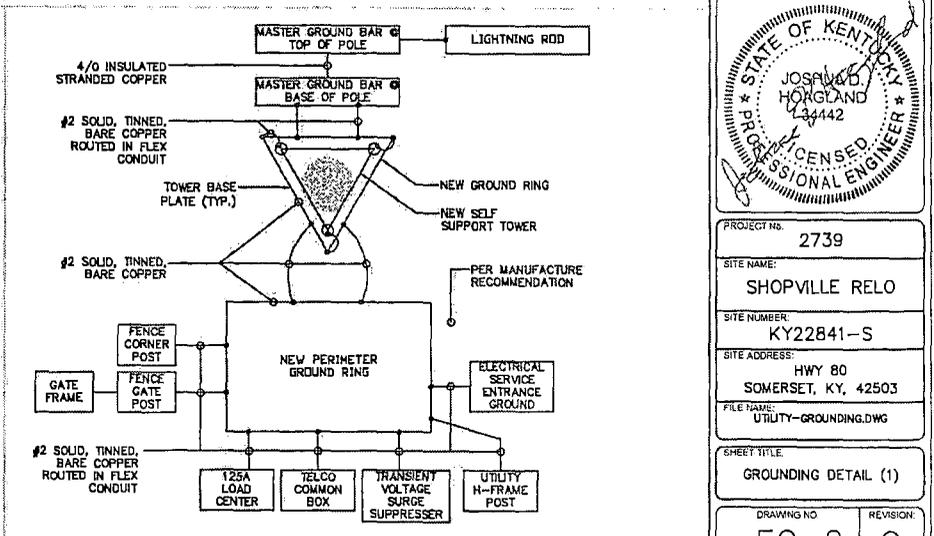
3 ACCESS WELL DETAIL

SCALE: N.T.S.



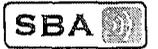
4 GROUNDING ROD DETAIL

SCALE: N.T.S.



5 SINGLE-LINE DIAGRAM

SCALE: N.T.S.



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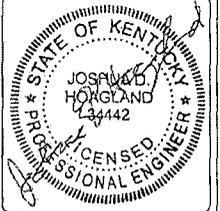


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1174 S R 487
Harrisburg, PA 17180
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Fax: 480-660-3742

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| | |
|-----------------|----------|
| SCALE: | N.T.S. |
| DRAWN BY: | RMR |
| PLAN ORIG DATE: | 02-27-19 |

| REVISIONS | |
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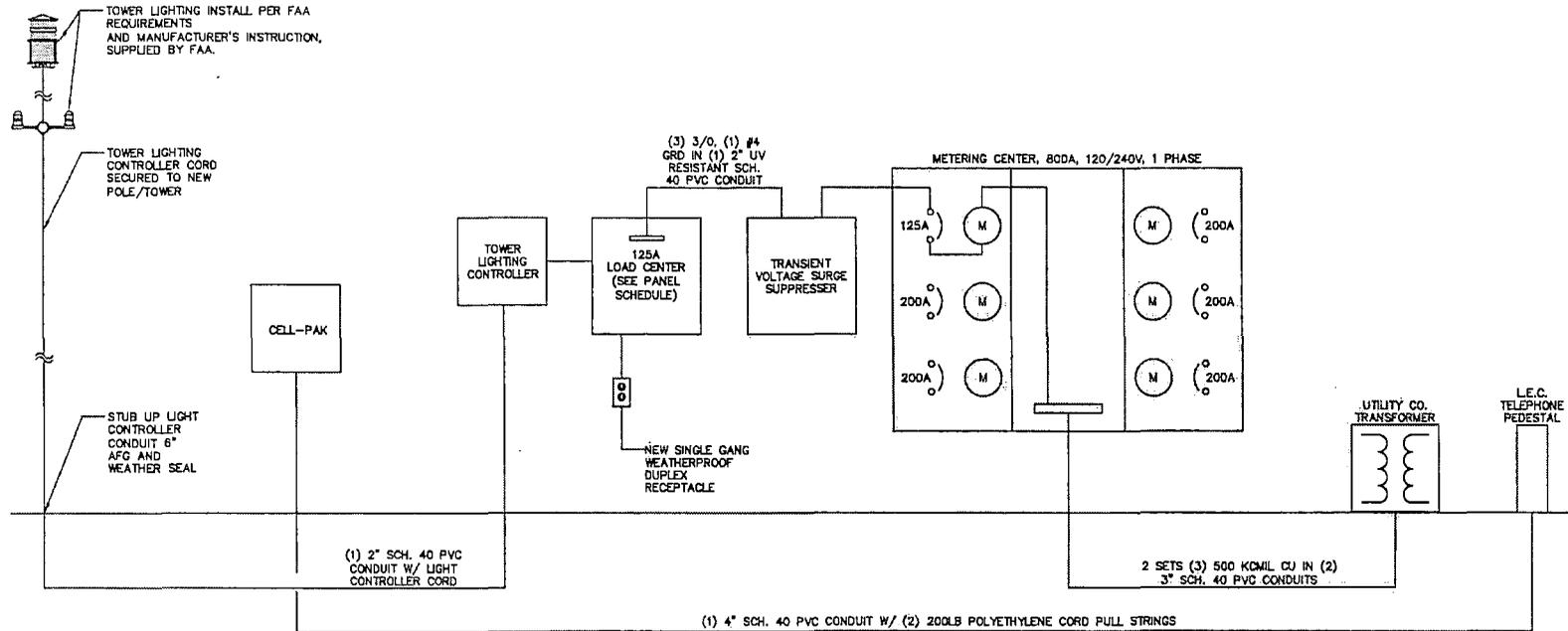
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| PROJECT NO. | 2739 |
| SITE NAME: | SHOPVILLE RELO |
| SITE NUMBER: | KY22841-S |
| SITE ADDRESS: | HWY 80 SOMERSET, KY, 42503 |
| FILE NAME: | UTILITY-GROUNDING.DWG |
| SHEET TITLE: | GROUNDING DETAIL (1) |

| | | | |
|-------------|------|-----------|---|
| DRAWING NO. | EG-2 | REVISION: | C |
|-------------|------|-----------|---|

| LOAD PER PHASE (VA) | | SBA PANEL SCHEDULE | | | | | | | | | | LOAD PER PHASE (VA) | |
|---------------------|----|--|---------|------|-----|-----|------|---------|---------------------|----|----|---------------------|--|
| PHASE | | MAIN: 125A MAIN LUGS FEEDER: VOLTAGE: 120/240V PHASE: 1 WIRE: 3 INTERRUPT RATING: 10 KAIC ENCLOSURE: NEMA 3R | | | | | | | | | | PHASE | |
| A | B | CIRCUIT DESCRIPTION | BREAKER | WIRE | NO. | NO. | WIRE | BREAKER | CIRCUIT DESCRIPTION | A | B | | |
| -- | -- | TOWER LIGHTING CONTROLLER | 20A | #12 | 1 | 2 | -- | -- | SPARE | -- | -- | | |
| -- | -- | DUPLEX RECEPTACLE | 20A | #10 | 3 | 4 | -- | -- | SPARE | -- | -- | | |
| -- | -- | SPARE | -- | -- | 5 | 6 | -- | -- | SPARE | -- | -- | | |
| -- | -- | SPARE | -- | -- | 7 | 8 | -- | -- | SPARE | -- | -- | | |
| -- | -- | SPARE | -- | -- | 9 | 10 | -- | -- | SPARE | -- | -- | | |
| -- | -- | SPARE | -- | -- | 11 | 12 | -- | -- | SPARE | -- | -- | | |

- SERVICE BOND IS TO BE MADE BY DEVICES (STRAPS, SCREWS, ETC.) SUPPLIED BY EQUIPMENT MANUFACTURER. IF NO SUCH DEVICE IS SUPPLIED, BOND IS TO BE MADE IN ACCORDANCE WITH NEC ARTICLE 250.
- CONDUCTOR OVERCURRENT PROTECTION DEVICES ARE SELECTED IN ACCORDANCE WITH NEC ARTICLE 240-3. CONDUCTOR SIZING IS SELECTED FROM NEC ARTICLE 310-16.
- CONDUCTOR OVERCURRENT PROTECTION DEVICES ARE SELECTED IN ACCORDANCE WITH NEC ARTICLE 240-3. CONDUCTOR SIZING IS SELECTED FROM NEC ARTICLE 310-16.
- ALL LUGS THAT HOLD MORE THAN ONE WIRE SHALL BE LISTED FOR MULTI-BARRELL CONNECTIONS.
- ALL CONDUCTORS SHALL BE INSULATED THHN WIRE.

LOAD CENTER PANEL SCHEDULE & NOTES



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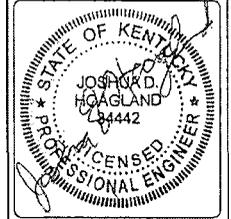
1650 Roberts Pl. Ste. A
Harrisburg, PA 17104
Ph: 484-860-5055
Fax: 484-860-3742

1714 S.R. 407
Plymouth, PA 15960
Ph: 814-872-2317
Fax: 814-872-2317

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| SCALE: | N.T.S. |
| DRAWN BY: | RMR |
| PLAN ORIG. DATE: | 02-27-19 |

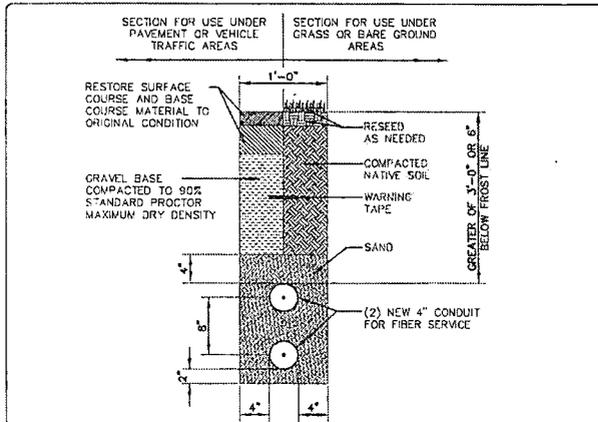
| REVISIONS | | |
|-----------|--------------------------------|-------------|
| C | 8-24-19 PER CLIENT COMMENTS | |
| B | 5-08-19 RPOLES DESIGN | |
| A | 3-27-19 ADDITIONAL SITE SURVEY | |
| NO. | DATE | DESCRIPTION |



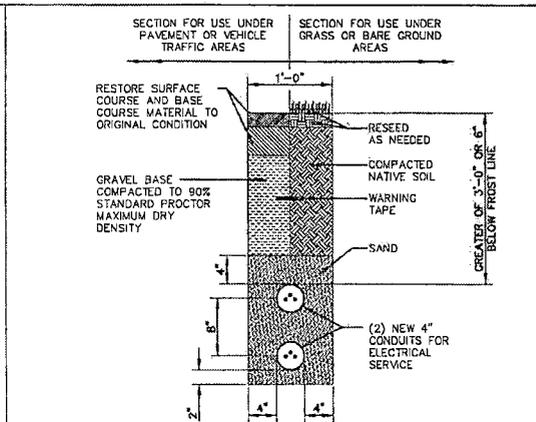
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|---------------|-------------------------------|
| PROJECT NO: | 2739 |
| SITE NAME: | SHOPVILLE RELO |
| SITE NUMBER: | KY22841-S |
| SITE ADDRESS: | HWY 80 SOMERSET, KY, 42503 |
| FILE NAME: | UTILITY-GROUNDING.DWG |

SHEET TITLE:
ELEC. SINGLE LINE DETAIL

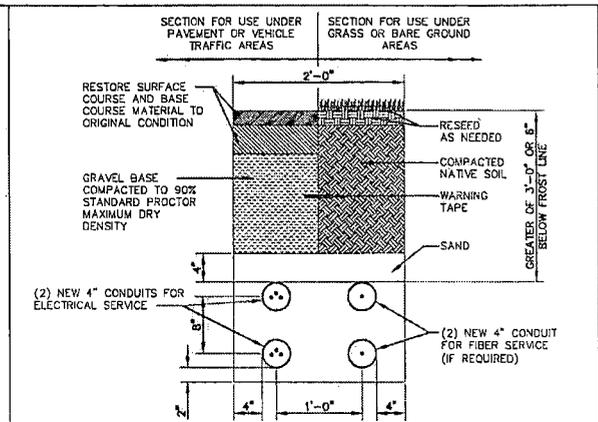
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| DRAWING NO | REVISION |
| E-3 | C |



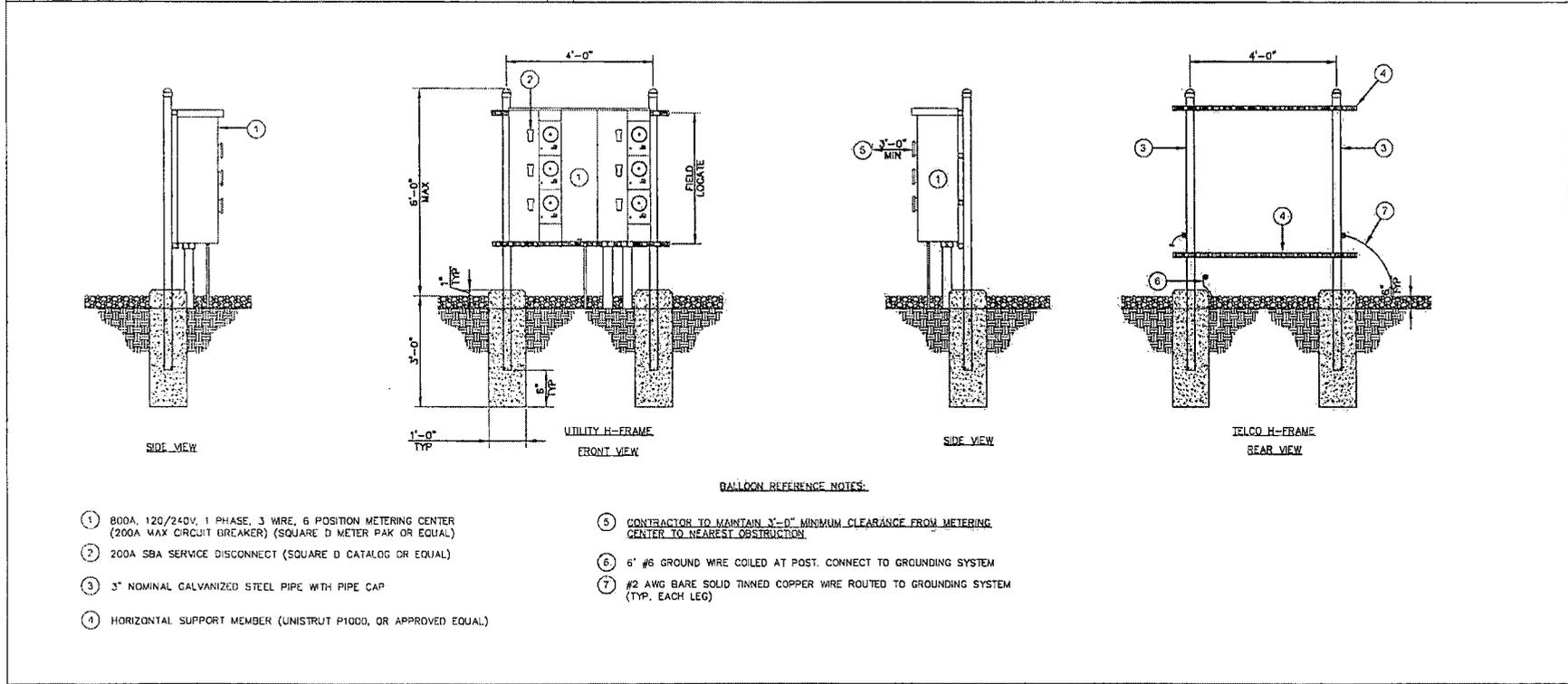
1 TELEPHONE TRENCH DETAIL SCALE: N.T.S.



2 ELECTRICAL TRENCH DETAIL SCALE: N.T.S.



3 JOINT UTILITY TRENCH DETAIL SCALE: N.T.S.



4 UTILITY & TELCO H-FRAME DETAIL (UNLIT-SITES) SCALE: N.T.S.

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| SCALE: | N.T.S. |
| DRAWN BY: | RMR |
| PLAN ORIG DATE: | 02-27-19 |

| REVISIONS | | |
|-----------|----------|------------------------|
| NO. | DATE | DESCRIPTION |
| C | 09-24-19 | PER CLIENT COMMENTS |
| B | 05-09-18 | KPROBS DESIGN |
| A | 03-27-18 | ADDITIONAL SITE SURVEY |

PROJECT NO: 2739

SITE NAME: SHOPVILLE RELO

SITE NUMBER: KY22841-S

SITE ADDRESS: HWY 80
SOMERSET, KY, 42503

FILE NAME: UTILITY-GROUNDING.DWG

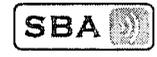
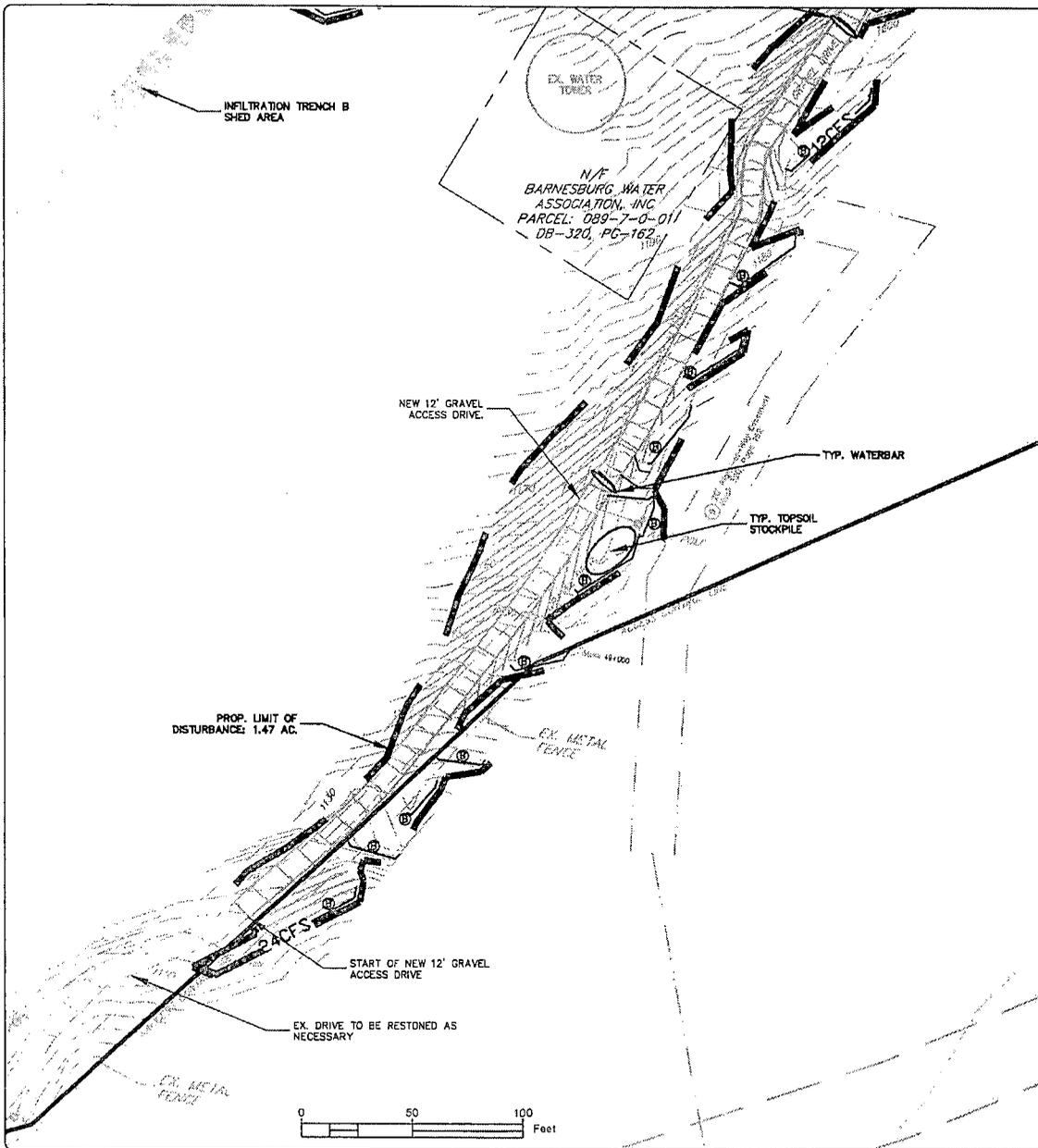
SHEET TITLE: UTILITY & TELCO H-FRAME DETAIL

| | |
|-------------|-----------|
| DRAWING NO: | REVISION: |
| E-2 | C |

- ① 800A, 120/240V, 1 PHASE, 3 WRE, 6 POSITION METERING CENTER (200A MAX CIRCUIT BREAKER) (SQUARE D METER PAK OR EQUAL)
- ② 200A SBA SERVICE DISCONNECT (SQUARE D CATALOG OR EQUAL)
- ③ 3" NOMINAL GALVANIZED STEEL PIPE WITH PIPE CAP
- ④ HORIZONTAL SUPPORT MEMBER (UNISTRUT P1000, OR APPROVED EQUAL)

- ⑤ CONTRACTOR TO MAINTAIN 3'-0" MINIMUM CLEARANCE FROM METERING CENTER TO NEAREST OBSTRUCTION
- ⑥ 6' #6 GROUND WIRE COILED AT POST. CONNECT TO GROUNDING SYSTEM
- ⑦ #2 AWG BARE SOLID TINNED COPPER WIRE ROUTED TO GROUNDING SYSTEM (TYP. EACH LEG)

BALLOON REFERENCE NOTES:



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1174 S W 487
Palm Beach, FL 33480
Ph: 561-872-2317
Fax: 561-872-2342

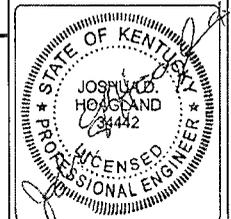
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SCALE: 1" = 50'
DRAWN BY: RMR
PLAN ORIG. DATE: 02-27-19

| REVISIONS | | |
|-----------|---------|------------------------|
| NO. | DATE | DESCRIPTION |
| C | 0-24-10 | FOR CLIENT COMMENTS |
| B | 0-09-10 | NPDES DESIGN |
| A | 3-27-10 | ADDITIONAL SITE SURVEY |

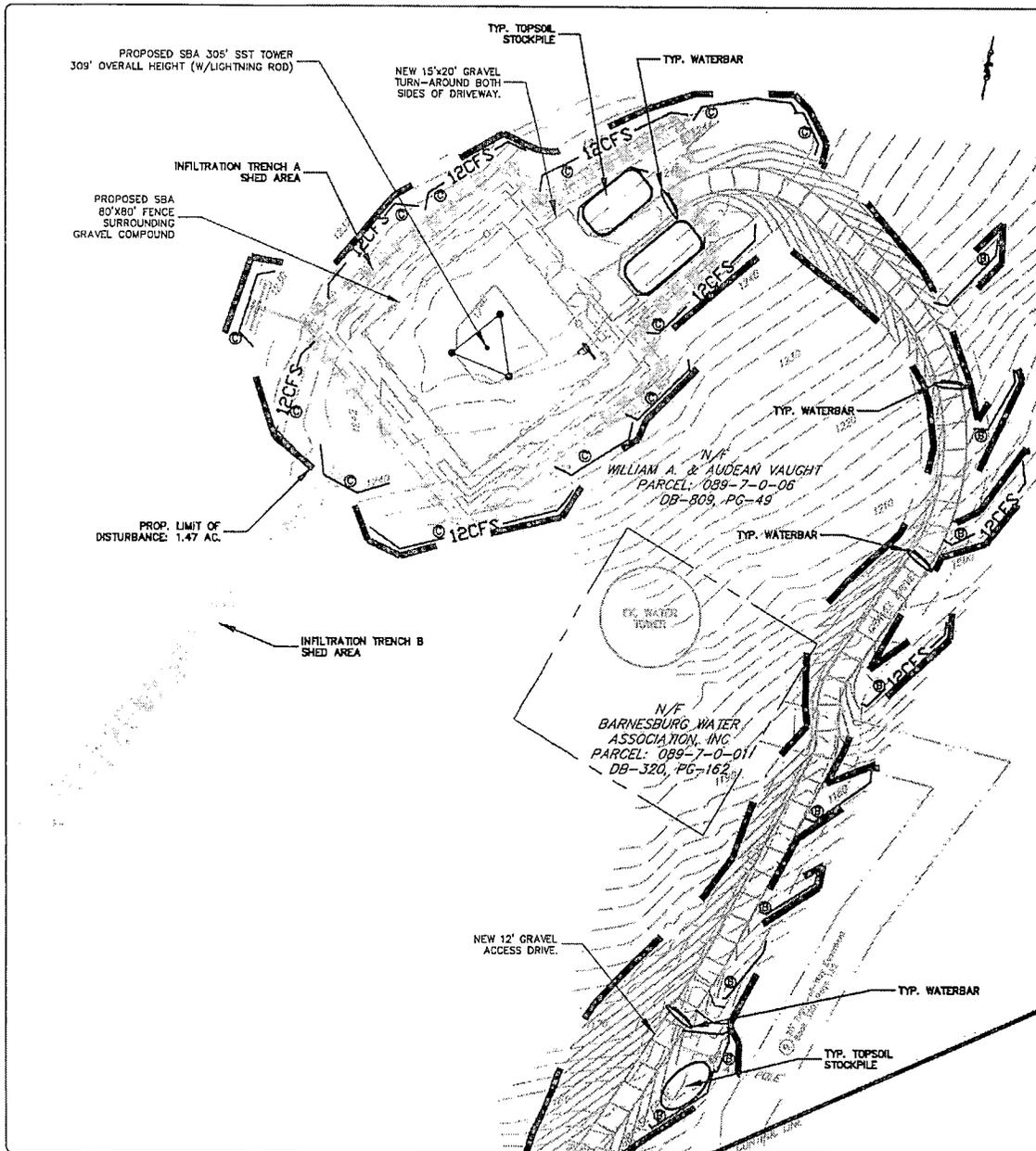
LEGEND

| | | |
|--|-------|------------------------------|
| | NPDES | NPDES LINE |
| | TP | TREE PROTECTION/CONST. FENCE |
| | 8CFS | 8" COMPOST FILTER SOCK |
| | 12CFS | 12" COMPOST FILTER SOCK |
| | 18CFS | 18" COMPOST FILTER SOCK |
| | 24CFS | 24" COMPOST FILTER SOCK |
| | 32CFS | 32" COMPOST FILTER SOCK |
| | | LIMIT OF DISTURBANCE |
| | | TOPSOIL STOCKPILE AREA |
| | | BASIN SHED LINE |
| | | ROCK CONSTRUCTION ENTRANCE |
| | | WATERBAR |



PROJECT NO: 2739
SITE NAME: SHOPVILLE RELO
SITE NUMBER: KY22841-S
SITE ADDRESS: HWY 80
SOMERSET, KY, 42503
FILE NAME: ZES.DWG
SHEET TITLE: EROSION & SEDIMENT CONTROL PLAN 3

DRAWING NO. ES-3
REVISION: C



RECYCLING STATEMENT

ALTHOUGH THERE ARE NO KNOWN PROJECT WASTES FOR THIS SITE, INDIVIDUALS RESPONSIBLE FOR EARTH DISTURBANCE ACTIVITIES MUST ENSURE THAT PROPER MECHANISMS ARE IN PLACE TO CONTROL WASTE MATERIALS. CONSTRUCTION WASTES INCLUDE, BUT ARE NOT LIMITED TO, EXCESS SOIL MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, ETC. THAT COULD ADVERSELY IMPACT WATER QUALITY. MEASURES SHOULD BE PLANNED AND IMPLEMENTED FOR HOUSEKEEPING, MATERIALS MANAGEMENT, AND LITTER CONTROL. WHEREVER POSSIBLE, RECYCLING OF EXCESS MATERIALS IS PREFERRED, RATHER THAN DISPOSAL.

ALL BUILDING MATERIALS AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH KENTUCKY STATE REGULATIONS. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, OR DISCHARGED ON THE SITE.

ALL OFF SITE WASTE AND BORROW AREAS MUST HAVE AN APPROVED E&S PLAN FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.

MULCH TACKING

STRAW AND HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN. A TRACTOR-DRAWN IMPLEMENT MAY BE USED TO "CRIMP" THE STRAW OR HAY INTO TO SOIL. THIS METHOD IS LIMITED TO SLOPES NO STEEPER THAN 3 TO 1 AND MACHINERY SHALL BE OPERATED ON THE CONTOUR. (NOTE: CRIMPING BY TRAVERSING WITH TRACK MACHINERY IS NOT ACCEPTABLE). GRAVEL ASPHALT CONTAINING NO SOLVENTS OR OTHER DILUTING AGENTS TOXIC TO PLANT OR ANIMAL LIFE, UNIFORMLY APPLIED AT THE RATE OF 31 GALLONS PER 1,000 S.Y. MAY BE USED TO TACK MULCH. SYNTHETIC OR CHEMICAL BINDERS MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH PROVIDED THAT SUFFICIENT DOCUMENTATION IS SUBMITTED TO AND APPROVED BY THE COLUMBIA REGIONAL DOW OFFICE TO SHOW THAT THE MATERIAL IS NON-TOXIC TO NATIVE PLANT AND ANIMAL SPECIES AND OTHERWISE ACCEPTABLE. LIGHTWEIGHT PLASTIC, FIBER OR PAPER NETTING MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURERS RECOMMENDATIONS.

LEGEND

| | |
|-------|------------------------------|
| NPDES | NPDES LINE |
| TP | TREE PROTECTION/CONST. FENCE |
| 8CFS | 8" COMPOST FILTER SOCK |
| 12CFS | 12" COMPOST FILTER SOCK |
| 18CFS | 18" COMPOST FILTER SOCK |
| 24CFS | 24" COMPOST FILTER SOCK |
| 32CFS | 32" COMPOST FILTER SOCK |
| | LIMIT OF DISTURBANCE |
| | TOPSOIL STOCKPILE AREA |
| | BASIN SHED LINE |
| | ROCK CONSTRUCTION ENTRANCE |
| | WATERBAR |

SBA

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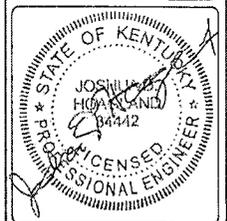
THE CROSSROADS GROUP, LLC
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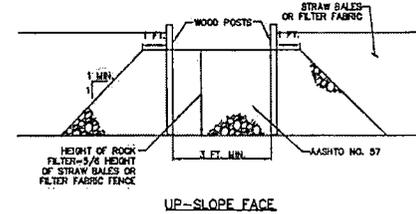
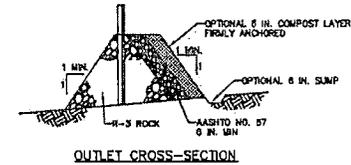
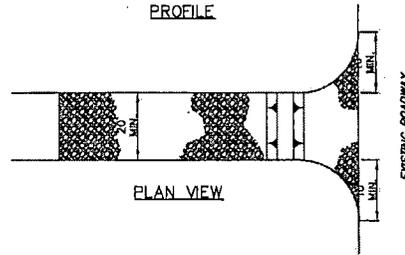
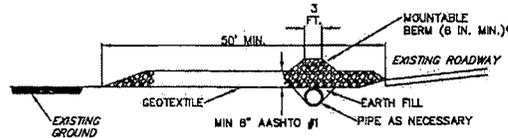
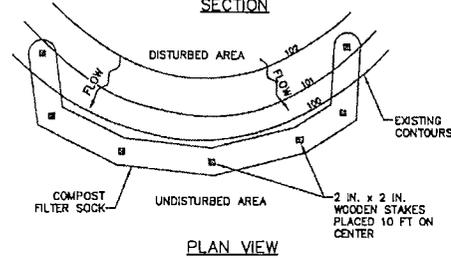
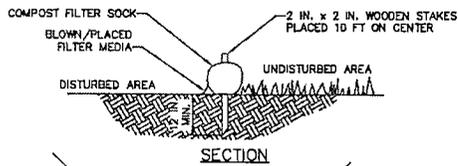
SCALE: 1" = 50'
DRAWN BY: RMR
PLAN ORIG DATE: 02-27-19

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|---------|------------------------|
| C | 8-24-19 | PER CLIENT COMMENTS |
| B | 5-08-18 | NPDES DESIGN |
| A | 3-27-19 | ADDITIONAL SITE SURVEY |
| NO. | DATE | DESCRIPTION |



PROJECT No: 2739
SITE NAME: SHOPVILLE RELO
SITE NUMBER: KY22841-S
SITE ADDRESS: HWY 80
SOMERSET, KY, 42503
FILE NAME: ZES.DWG
SHEET TITLE: EROSION & SEDIMENT CONTROL PLAN 4
DRAWING NO: ES-4
REVISION: C



NOTES:

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

**STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK**

NOT TO SCALE

| LABEL | SILT FENCE/ COMPOST FILTER SOCK | SIZE |
|-------|---------------------------------------|------|
| A | GFS | 12" |
| B | GFS | 24" |
| C | GFS | 12" |

EROSION PERMITTER CONTROLS

NOTES:

REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

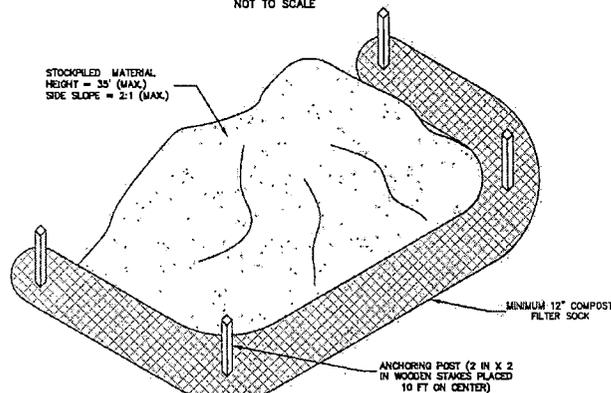
RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

**STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE**

NOT TO SCALE



STOCKPILE CONTROL

N.T.S.

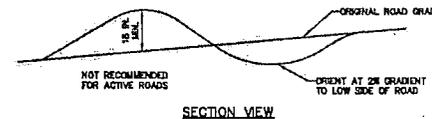
NOTES:

A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED DUE TO CONCENTRATED FLOW. ANCHORED COMPOST LAYER SHALL BE USED ON UPSLOPE FACE IN HQ AND EV WATERSHEDS.

SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.

**STANDARD CONSTRUCTION DETAIL #4-6
ROCK FILTER OUTLET**

NOT TO SCALE



NOTES:

WATERSHEDS SHALL DISCHARGE TO A STABLE AREA.

WATERSHEDS SHALL BE INSPECTED WEEKLY (DAILY ON ACTIVE ROADS) AND AFTER EACH RUNOFF EVENT. DAMAGED OR EXCESSIVE WATERSHEDS SHALL BE RESTORED TO ORIGINAL DIMENSIONS WITHIN 24 HOURS OF INSPECTION.

MAINTENANCE OF WATERSHEDS SHALL BE PROVIDED UNTIL ROADWAY, SKIDTRAIL, OR RIGHT-OF-WAY HAS ACHIEVED PERMANENT STABILIZATION.

WATERSHEDS ON RETIRED ROADWAYS, SKIDTRAILS, AND RIGHT-OF-WAYS SHALL BE LEFT IN PLACE AFTER PERMANENT STABILIZATION HAS BEEN ACHIEVED.

SEE PA DEP EROSION CONTROL MANUAL TABLE 3.1 FOR WATERSHED SPACING.

**STANDARD CONSTRUCTION DETAIL #3-5
WATERBAR**

NOT TO SCALE



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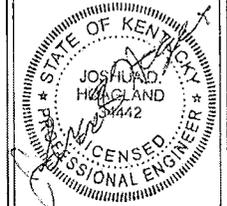


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| SCALE: | NTS |
| DRAWN BY: | RMR |
| PLAN ORIG DATE: | 02-27-19 |

| REVISIONS | | |
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| NO. | DATE | DESCRIPTION |
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| PROJECT NO: | 2739 |
| SITE NAME: | SHOPVILLE RELO |
| SITE NUMBER: | KY22841-S |
| SITE ADDRESS: | HWY 80 SOMERSET, KY, 42503 |
| FILE NAME: | ZDET.DWG |
| SHEET TITLE: | E&S DETAILS |
| DRAWING NO: | ES-6 |
| REVISION: | C |