

SITE INFORMATION

TCG PROJECT #:

6774

SITE NAME:

MAF501

SITE NUMBER:

US-NM-9015

SITE ADDRESS:

18 BLK A7 SEC
SEMINOLE, TX 79360

COUNTY:

GAINES COUNTY

MUNICIPALITY:

N/A

PARCEL #:

70676

DEED REFERENCE #:

2020-01622

JURISDICTION:

GAINES COUNTY

SITE COORDINATES:

1A

LATITUDE:

32° 54' 02.42"N (32.900671°N)

(GPS)

LONGITUDE:

103° 00' 52.50"W (103.014583°W)

(GPS)

1A ELEVATION:

3632.2'

(GPS)

DESIGN ELEVATION:

3633.56'

DECLINATION ANGLE:

6.02° E ±0.35° CALC'D BY NOAA ON 10-14-25

FROST DEPTH:

TBD

OCCUPANCY:

UNMANNED

CONSTRUCTION TYPE:

RAW LAND

PROJECT DIRECTORY

PROPERTY OWNER:

ISAAC FEHR & AGANETHA FEHR

PHONE #:

(432) 209-1242

APPLICANT:

VB EDGE, LLC

SITE ADDRESS:

22 WEST ATLANTIC AVENUE, SUITE 310
DELRAY BEACH, FL 33444

APPLICANT PROJECT MANAGER:

ERIN LANE
(816) 982-3906

UTILITY INFORMATION

POWER COMPANY:

LEA COUNTY ELECTRIC

CONTACT:

TBD

PHONE #:

(575) 396-3631

WORK ORDER #:

TBD

FIBER COMPANY:

WINDSTREAM

CONTACT:

TBD

PHONE #:

TBD

CONSULTING TEAM

ENGINEERING FIRM:

THE CROSSROADS GROUP, LLC
769 STATE ST
HAMBURG, PA 19526
PHONE: (484) 660-3055

CONTACT: RYAN RZUCIDLO

SURVEYING FIRM:

GEOLINE SURVEYING INC.
13430 NW 104TH TERRACE, STE A
ALACHUA, FL 32615
PHONE: (386) 418-0500

CONTACT: NIC KNOPE

PROJECT DESCRIPTION

CONSTRUCTION ON AN UNMANNED COMMUNICATIONS FACILITY CONSISTING OF EQUIPMENT AND SHELTER FACILITIES, AND A UTILITY BACKBOARD WITHIN A FENCED COMPOUND. NO WATER OR SEWER IS REQUIRED.

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL SERVICE IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

APPROVAL BLOCK

| | APPROVED | APPROVED AS NOTED | DISAPPROVED/REVISE |
|----------------------|----------|--------------------------|--------------------------|
| VERTICAL BRIDGE | DATE | <input type="checkbox"/> | <input type="checkbox"/> |
| SITE ACQUISITION | DATE | <input type="checkbox"/> | <input type="checkbox"/> |
| CONSTRUCTION MANAGER | DATE | <input type="checkbox"/> | <input type="checkbox"/> |
| RF ENGINEERING | DATE | <input type="checkbox"/> | <input type="checkbox"/> |

verticalbridge

SITE NAME

MAF501

SITE ID

US-NM-9015


E911 ADDRESS

TBD

TBD


MAPS

VICINITY MAP




SCALE = 1" = 5000'

LOCATION MAP



SCALE = 1" = 2000



1 (800) 344-8377

WWW.TEXAS811.ORG

CONTRACTOR TO CALL TX ONE-CALL SYSTEMS AT LEAST (3) WORKING DAYS PRIOR TO CONSTRUCTION

| SHEET LIST | |
|------------|---|
| NUMBER | TITLE |
| T-1 | TITLE SHEET |
| LS-1 | PROPERTY OVERVIEW |
| LS-2 | ACCESS OVERVIEW |
| LS-3 | ACCESS OVERVIEW |
| LS-4 | LEGAL DESCRIPTIONS |
| C-1 | NOTES (1) |
| C-2 | NOTES (2) |
| C-3 | OVERALL SITE PLAN |
| C-4 | SITE GRADING PLAN (1) |
| C-5 | UTILITY DEMARC PLAN |
| C-6 | ROAD PROFILE & DETAILS |
| C-7 | SITE DETAILS |
| C-8 | UTILITY DEMARC FENCE DETAILS I |
| C-9 | UTILITY DEMARC FENCE DETAILS II |
| C-10 | UTILITY DEMARC FENCE DETAILS III |
| C-11 | PERIMETER FENCE DETAILS |
| C-12 | FUTURE GENERATOR FOUNDATION DETAILS |
| E-1 | OVERALL ELECTRICAL PLAN |
| E-2 | ENLARGED ELECTRICAL PLAN |
| E-3 | ELECTRICAL CONDUIT ROUTING TABLE |
| E-4 | ELECTRICAL SINGLE LINE, GROUNDING TABLE, & PANEL SCHEDULE |
| E-5 | FIBER SINGLE LINE & CONDUIT TABLE |
| E-6 | POWER DELIVERY DETAILS |
| E-7 | DEMARC H-FRAME DETAILS |
| EG-1 | GROUNDING NOTES |
| EG-2 | GROUNDING PLAN |
| EG-3 | GROUNDING DETAILS I |
| EG-4 | GROUNDING DETAILS II |
| ES-1 | E&S PLAN (1) |
| ES-2 | E&S NOTES (1) |
| ES-3 | E&S NOTES (2) |
| ES-4 | E&S DETAILS (1) |
| ES-5 | E&S DETAILS (2) |

APPLICABLE CODES

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING:

1. 2009 INTERNATIONAL BUILDING CODE

2. 2008 NATIONAL ELECTRIC CODE

3. 2009 NFPA101 LIFE SAFETY CODE

4. 2009 IFC

5. AMERICAN CONCRETE INSTITUTE CONSTRUCTION

6. AMERICAN INSTITUTE OF STEEL MANUAL OF STEEL CONSTRUCTION, 13TH EDITION

7. 8 ANSI/TIA/EIA-222-G

8. TIA 607

10. INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81

11. IEEE C2 NATIONAL ELECTRIC SAFETY CODE, LATEST EDITION

12. TELECORDIA GR-1275

13. ANSI/T 311

14. UNIFORM MECHANICAL CODE

15. UNIFORM PLUMBING CODE

16. LOCAL BUILDING CODE


17. CITY/COUNTY ORDINANCES

18. STATE BUILDING CODE

IN THE EVENT OF A CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

verticalbridge

22 WEST ATLANTIC AVENUE
SUITE 310
DELRAY BEACH, FL 33444
561-948-6367



THE CROSSROADS GROUP, LLC
www.thecrossroadsgroupllc.com

769 State St.
Hamburg, PA 19526
Ph: 484-660-3055
Fax: 484-660-3742

454 W Valley Ave
Elysburg, PA 17824
Ph: 570-672-2317
Fax: 484-660-3742

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SCALE:

N.T.S.

DRAWN BY:

EBS

PLAN ORIG. DATE:

10-23-25

REVISIONS

| REV | DATE | DESCRIPTION |
|-----|----------|-------------|
| A | 10-23-25 | PRELIMINARY |

PROJECT No.

6774

SITE NAME:

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SITE NUMBER:

US-NM-9015

SITE ADDRESS:

18 BLK A7 SEC
SEMINOLE, TX 79360

FILE NAME:

TITLE-LEGEND.DWG

SHEET TITLE:

TITLE SHEET

DRAWING NO.

T-1

REVISION:

A

PARENT PARCEL INFORMATION:
OWNER: ISAAC T. FEHR AND AGANETHA W. FEHR
BLK A7 SEC 18,
SEMINOLE, TX 79360
PARCEL ID #: 70676
DEED BOOK 2020, PAGE 1622

FAA 1-A INFORMATION

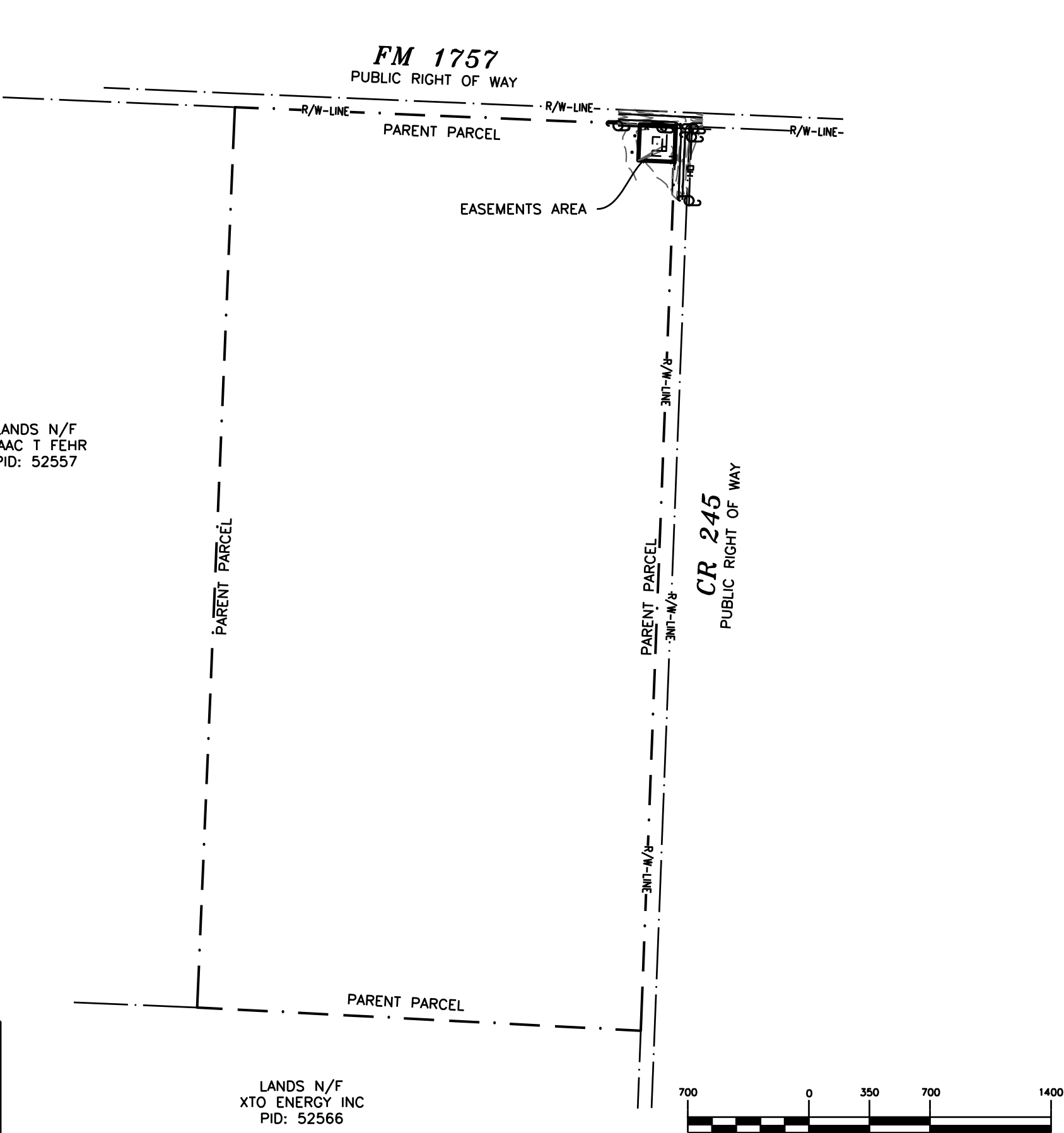
LATITUDE: 32° 54' 02.42" N. OR N032.900671 +/- 20'
LONGITUDE: 103° 00' 52.50" W. OR W103.014583 +/- 20'

GROUND ELEVATION AT BASE OF EQUIPMENT:
3632.2' NAVD, 1988

LANDS N/F
ISAAC T FEHR
PID: 52557

LANDS N/F
XTO ENERGY INC
PID: 52566

| AREA SUMMARY | | |
|--------------------------------|----------|--------|
| AREA | SQ. FT. | ACRES |
| PARENT PARCEL | 14058990 | 322.75 |
| FACILITIES EASEMENT PREMISES | 43414 | 1.00 |
| FENCED COMPOUND LEASE AREA | 4424 | 0.10 |
| UTILITY DEMARCATION LEASE AREA | 625 | 0.01 |
| ACCESS & UTILITY EASEMENT | 4435 | 0.10 |
| UTILITY EASEMENT | 3358 | 0.08 |



| REV | DATE | DESCRIPTION | DRWN |
|-----|------|-------------|------|
| | | | |
| | | | |

| SITE INFORMATION: | |
|-------------------|-------------------------------------|
| Name | MAF501 |
| Site No. | US-NM-9015 |
| Address | BLK A7 SEC 18 SEMINOLE, TX 79360 |
| County | GAINES COUNTY |

RAW LAND SURVEY

SHEET: PROPERTY OVERVIEW

BAR GRAPH 1 inch = 700 ft.
US-NM-9015 MAF50 EASEMENTS.DWG

FM 1757
PUBLIC RIGHT OF WAY

UTILITY POLE
LINE 1 28.6' AGL ELEV. 3663.5'
LINE 2 25.2' AGL ELEV. 3660.1'

PARENT PARCEL

CONTROL POINT NOT ON GRADE
ELEV. 3634.43'

CONTROL POINT ON GRADE
ELEV. 3633.53'

UTILITY POLE
LINE 1 29.0' AGL ELEV. 3661.7'
LINE 2 25.4' AGL ELEV. 3658.1'

TBM PK NAIL
ELEV. 3631.66'

UTILITY POLE
LINE 1 32.8' AGL ELEV. 3665.5'
LINE 2 29.4' AGL ELEV. 3662.1'
LINE 3 24.7' AGL ELEV. 3657.4'

UTILITY POLE
LINE 1 33.0' AGL ELEV. 3664.5'
LINE 2 27.2' AGL ELEV. 3658.7'

~VB EDGE LLC
COMMUNICATION FACILITIES
EASEMENT PREMISES~

CENTER OF
ANTENNA
FORMATION

UTILITY
DEMARCATON
LEASE AREA

~FENCED
COMPOUND
LEASE AREA~

~ACCESS & UTILITY EASEMENT~

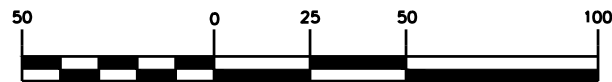
~UTILITY EASEMENT~

PARENT PARCEL

CR 245
PUBLIC RIGHT OF WAY

NAD 83

N



BAR GRAPH 1 inch = 50 ft.

US-NM-9015 MAF50 EASEMENTS.DWG

UTILITY POLE
LINE 1 33.4' AGL ELEV. 3666.7'
LINE 2 30.2' AGL ELEV. 3663.5'

verticalbridge

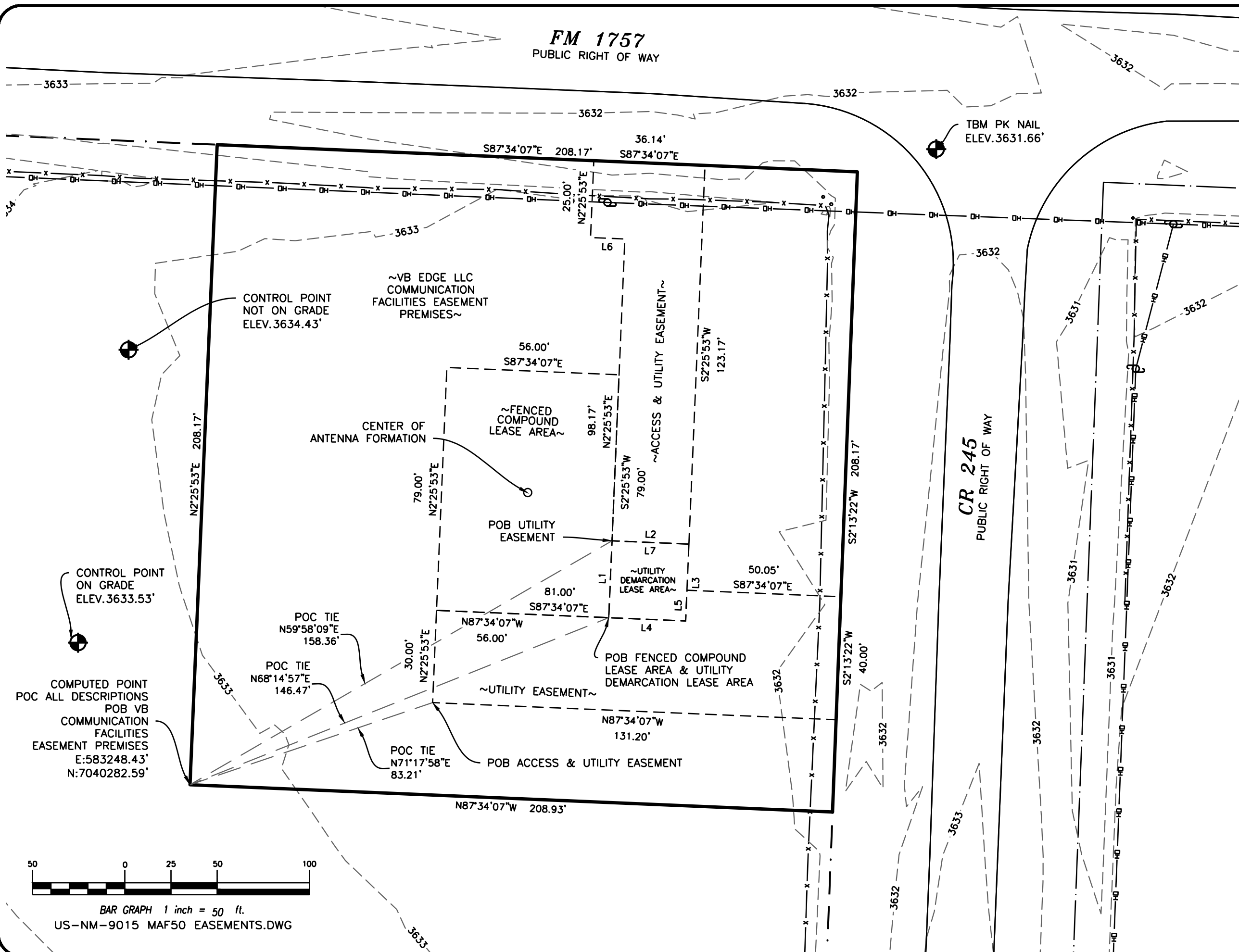
| REV | DATE | DESCRIPTION | DRWN |
|-----|------|-------------|------|
| | | | |
| | | | |

| | |
|-------------------|-------------------------------------|
| SITE INFORMATION: | |
| Name | MAF501 |
| Site No. | US-NM-9015 |
| Address | BLK A7 SEC 18 SEMINOLE, TX 79360 |
| County | GAINES COUNTY |

RAW LAND SURVEY

SHEET: ACCESS OVERVIEW

FM 1757
PUBLIC RIGHT OF WAY



| LINE TABLE | | |
|------------|---------------|--------|
| LINE | BEARING | LENGTH |
| L1 | N2° 25' 53"E | 25.00 |
| L2 | S87° 34' 07"E | 25.00 |
| L3 | S2° 25' 53"W | 25.00 |
| L4 | N87° 34' 07"W | 25.00 |

| ACCESS & UTILITY EASEMENT | | |
|---------------------------|--------------|--------|
| LINE TABLE | | |
| LINE | BEARING | LENGTH |
| L5 | N2° 25' 53"E | 10.00 |

| UTILITY EASEMENT | | |
|------------------|---------------|--------|
| LINE TABLE | | |
| LINE | BEARING | LENGTH |
| L6 | N87° 34' 07"W | 11.14 |
| L7 | N87° 34' 07"W | 25.00 |

The logo for Vertical Bridge, featuring the word "vertical" in a dark grey sans-serif font and "bridge" in a green sans-serif font. A green arch connects the top of the 'i' in "vertical" to the top of the 'b' in "bridge".

| REV | DATE | DESCRIPTION | DRWN |
|-----|------|-------------|------|
| | | | |
| | | | |
| | | | |

| SITE INFORMATION: | |
|-------------------|-------------------------------------|
| Name | MAF501 |
| Site No. | US-NM-9015 |
| Address | BLK A7 SEC 18 SEMINOLE, TX 79360 |
| County | GAINES COUNTY |

RAW LAND SURVEY

SHEET: ACCESS OVERVIEW

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANY OR OTHER PUBLIC AUTHORITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
3. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
5. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
8. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES PRIOR TO EXCAVATING.
9. IF ANY UNDERGROUND UTILITIES OR STRUCTURES EXIST BENEATH THE PROJECT AREA, CONTRACTOR MUST LOCATE THEM AND CONTACT THE APPLICANT AND OWNER'S REPRESENTATIVE.
10. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION BY TECHNICIANS APPROXIMATELY ONCE PER QUARTER.
11. PROPERTY LINE INFORMATION WAS PREPARED BY GEOLINE SURVEYING, INC. USING DEEDS, TAX MAPS AND PLANS OF RECORD AND SHOULD NOT BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY.
12. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
13. THE PROPOSED FACILITY WILL CAUSE ONLY A "DE MINIMIS" INCREASE IN STORM WATER RUNOFF, THEREFORE NO DRAINAGE STRUCTURES ARE PROPOSED.
14. NO SIGNIFICANT NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY.
15. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).
16. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
17. POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.

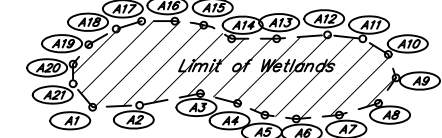
ACCEPTABLE TOLERANCES FOR AS-BUILT FIELD DIMENSIONS SHOWN WITH RESPECT TO THE
APPROVED CONSTRUCTION DRAWINGS ARE AS FOLLOWS:











HORIZONTAL (PLAN) DIMENSIONS:

- VERTICAL (ELEVATION) DIMENSIONS:

1. TOP OF KAA FOUNDATION ELEVATION: $\pm 25\text{mm}$ [1"].
2. ANCHOR BOLT PROJECTION ABOVE TOP OF FOUNDATION PER 2/F3.
3. FENCE HEIGHT: $\pm 50\text{mm}$ [2"].
4. FENCE POSTS/WALLS: $\pm 2^\circ$ OF VERTICAL.

| | |
|--|--------------------------------------|
| | TRACT BOUNDARY |
| | EXISTING PARCEL LINE TO BE ABOLISHED |
| | EXISTING RIGHT-OF-WAY |
| | EXISTING EASEMENT |
| | ADJOINING PROPERTY LINE |
| | EXISTING ZONING/TOWNSHIP BOUNDARY |
| | EXISTING WATER LINE/SERVICE |
| | EXISTING STORM SEWER LINE/INLET |
| | EXISTING GAS LINE |
| | EXISTING ELECTRIC LINE (UNDERGROUND) |
| | EXISTING ELECTRIC LINE (OVERHEAD) |
| | EXISTING SANITARY SEWER LINE/MANHOLE |
| | EXISTING SANITARY LATERAL |
| | EXISTING CURB |
| | EXISTING EDGE OF ROAD (PAVED) |
| | EXISTING SHOULDER (ROAD) |
| | EXISTING EDGE OF ROAD (UNPAVED) |
| | EXISTING DRIVEWAY |
| | EXISTING ROAD CENTERLINE |
| | EXISTING FENCE |
| | EXISTING CONTOUR |
| | EXISTING INDEX CONTOUR |
| | SOILS DELINEATION LINE |
| | STREAM CHANNEL |
| | FEMA DELINEATED FLOODPLAIN |
| | EXISTING GUIDERAIL |
| | EXISTING WOODLINE |
| | EXISTING BRUSHLINE |
| | EXISTING BUILDINGS |



- | | |
|---|-----------------|
|  | EXIST—DECIDUOUS |
|  | EXIST—EVERGREEN |
|  | EXIST—HEADWALL |
|  | LIGHT POST |
|  | SIGN |
|  | STREET SIGN |
|  | UTILITY—POLE |
|  | WELL |
|  | IP |
|  | BOUND |

| | |
|--|---|
| | PROPOSED BUILDING |
| | PROPOSED BUILDING - SETBACK LINE |
| | PROPOSED LOT - PARCEL LINE |
| | PROPOSED EASEMENT - LINE |
| | PROPOSED RIGHT-OF-WAY |
| | PROPOSED ROAD CENTERLINE |
| | PROPOSED ROAD EDGE (PAVED/NO CURB) |
| | PROPOSED STORM SEWER - PIPING |
| | PROPOSED CHAINLINK FENCE LINE |
| | PROPOSED SOLID CORRUGATED FENCE LINE |
| | PROPOSED CURBLINE |
| | CLEAR SIGHT TRIANGLE |
| | PROPOSED PHASE LINE |
| | PROPOSED CONCRETE |
| | PROPOSED UTILITY LINE - FIBER/TELEPHONE |
| | PROPOSED UTILITY LINE - POWER |
| | PROPOSED UTILITY LINE - ALARM |
| | PROPOSED RIP-RAP |
| | PROPOSED CONCRETE MONUMENT |
| | PROPOSED LIGHT POST |
| | PROPOSED TRAFFIC SIGN |
| | PROPOSED UTILITY POLE |
| | PROPOSED HEADWALL/ENDWALL |
| | PROPOSED INLET |
| | PROPOSED STORM MANHOLE |
| | PROPOSED STORM SEWER LABLE |
| | PROPOSED CONTOUR |
| | PROPOSED CONTOUR INDEX |
| | PROPOSED SPOT ELEVATION |
| | PROPOSED ALTERED TREE LINE |
| | PROPOSED HIGH WATER ELEVATION |
| | PROPOSED SPILLWAY |
| | PROPOSED SPILLWAY - HATCH |
| | PROPOSED BERM - TEXT |
| | PROPOSED BERM - SHADE |
| | PROPOSED BERM - OUTLINE |



THE CROSSROADS GROUP, LLC
www.thecrossroadsgroupllc.com

769 State St,
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454 W Valley Ave
Lyonsburg, PA 17824
Ph: 570-672-2317
Fax: 484-660-3742

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| | |
|------------------|----------|
| SCALE: | N.T.S. |
| DRAWN BY: | EBS |
| PLAN ORIG. DATE: | 10-23-25 |

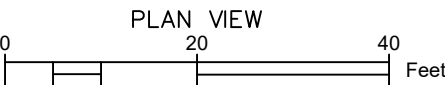
| REVISIONS | | |
|-----------|----------|-------------|
| | | |
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| | | |
| | | |
| | | |
| A | 10-23-25 | PRELIMINARY |
| REV | DATE | DESCRIPTION |

| | |
|---------------|-------------------------------------|
| PROJECT No. | 6774 |
| SITE NAME: | MAF501 |
| SITE NUMBER: | US-NM-9015 |
| SITE ADDRESS: | 18 BLK A7 SEC SEMINOLE, TX 79360 |
| FILE NAME: | TITLE-LEGEND.DWG |

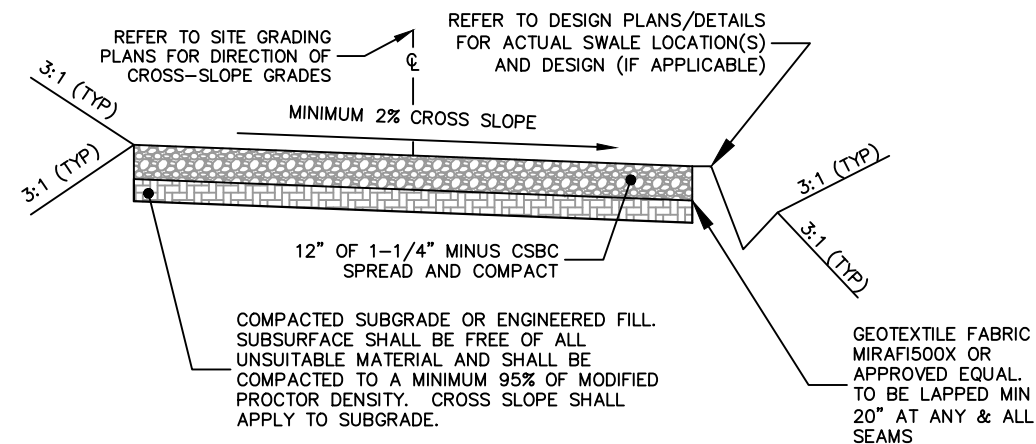
SHEET TITLE:

NOTES (2)

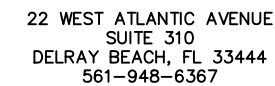
| | |
|--------------------|----------------|
| DRAWING NO. C-2 | REVISION: A |
|--------------------|----------------|



PROFILE VIEW
SCALE: 1"=50'H, 1"=5'V



1 ACCESS DRIVE DETAIL
C-6 SCALE = N.T.S.



THE CROSSROADS GROUP, LLC
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| | |
|------------------|----------|
| SCALE: | 1" = 20' |
| DRAWN BY: | EBS |
| PLAN ORIG. DATE: | 10-23-25 |

| REVISIONS | | |
|-----------|----------|-------------|
| | | |
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| A | 10-23-25 | PRELIMINARY |
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US-NM-9015

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18 BLK A7 SEC
SEMINOLE, TX 79360

FILE NAME:

CONSTRUCTION-SHEETS.DWG

SHEET TITLE:

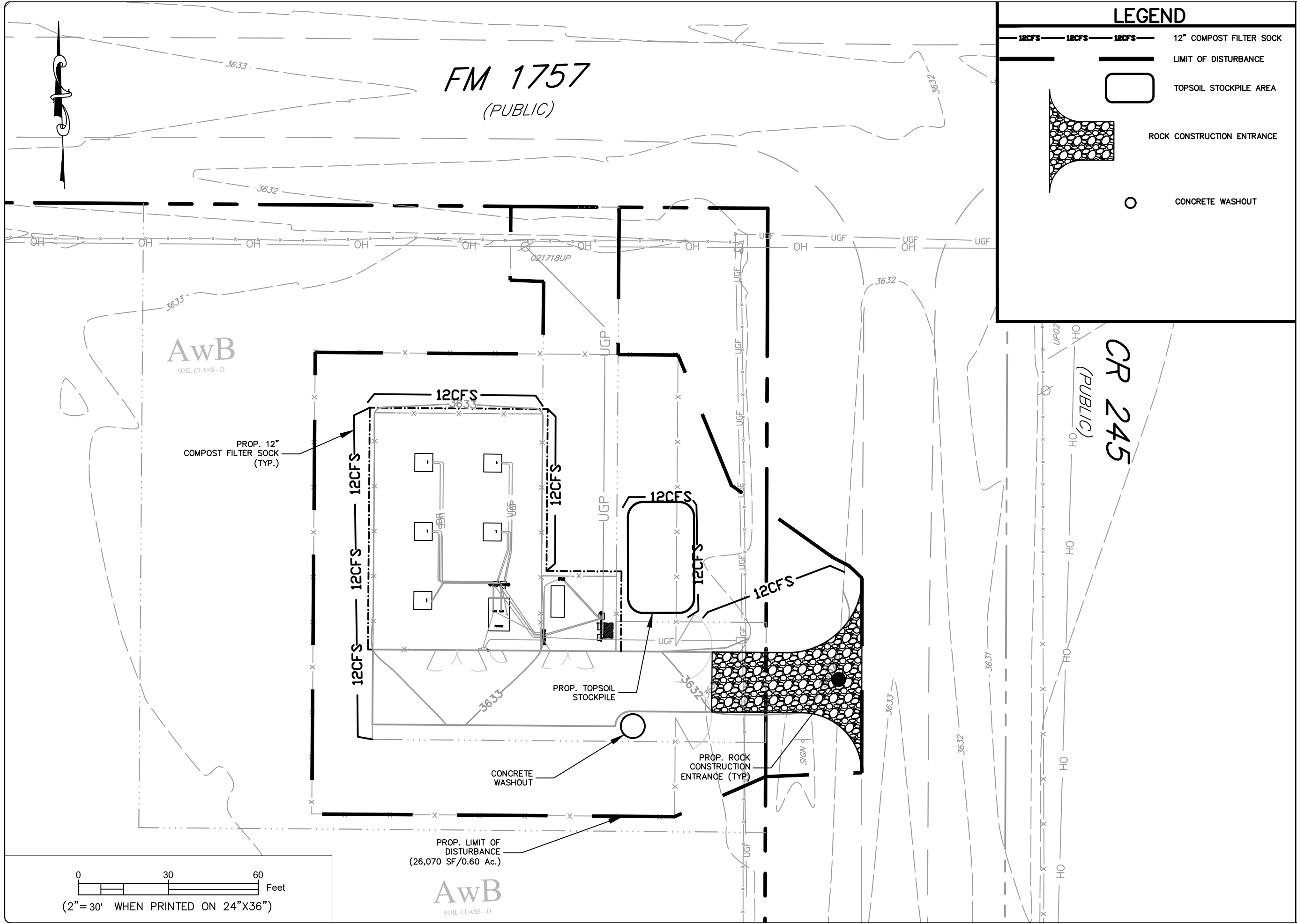
ROAD PROFILE & DETAILS

DRAWING NO.

C-6

| |
|-----------|
| REVISION: |
|-----------|

A



LEGEND

- 12CFS 12CFS 12CFS 12" COMPOST FILTER SOCK
- LIMIT OF DISTURBANCE
- TOPSOIL STOCKPILE AREA
- ROCK CONSTRUCTION ENTRANCE
- CONCRETE WASHOUT

22 WEST ATLANTIC AVENUE
SUITE 310
DELRAY BEACH, FL 33444
561-948-6367

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| | |
|------------------|----------|
| SCALE: | 1" = 30' |
| DRAWN BY: | EBS |
| PLAN ORIG. DATE: | 10-23-25 |

| REVISIONS | | |
|-----------|----------|-------------|
| REV | DATE | DESCRIPTION |
| A | 10-23-25 | PRELIMINARY |

PROJECT No. 6774

SITE NAME: MAF501

SITE NUMBER: US-NM-9015

SITE ADDRESS: 18 BLK A7 SEC SEMINOLE, TX 79360

FILE NAME: ZES.DWG

SHEET TITLE: E&S PLAN (1)

DRAWING NO. ES-1

REVISION: A

EROSION CTRL MAINT NOTES

TO ENSURE ADEQUATE FUNCTION OF THE TEMPORARY CONTROLS, A MAINTENANCE PROGRAM SHALL BE INITIATED WHICH INCLUDES THE FOLLOWING AT A MINIMUM. ALSO, ALL MAINTENANCE DURING CONSTRUCTION AND PRIOR TO FINAL STABILIZATION OF THE SITE SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR HIS CONTRACTOR.

- 1.ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- 2.AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE TEXAS ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-344-8377 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- 3.ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
- 4.AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- 5.CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- 6.AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- 7.TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAPS(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- 8.IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- 9.ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
10. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
11. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
12. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
13. VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE SITE ONTO CR 245. VEHICLES MUST UTILIZE THE PROPOSED ROCK CONSTRUCTION ENTRANCE.
14. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
15. A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
16. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
17. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
18. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES --- 6 TO 12 INCHES ON COMPACTED SOILS --- PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
19. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
20. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
21. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
22. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
23. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
24. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
25. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
26. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING

EROSION CTRL MAINT NOTES

- MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
27. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
 28. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
 29. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
 30. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
 31. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
 32. FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES.

GRADING STANDARDS:

1. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHOULD BE SHOWN ON THE PLAN MAPS AND SHOULD BE SUBJECT TO THE PROVISIONS OF THESE STANDARDS AS WELL AS THOSE OF THE APPROVED E&S PLAN. ALL APPROPRIATE PERMITS/AUTHORIZATION SHOULD BE OBTAINED PRIOR TO EARTH DISTURBANCE ACTIVITIES WITHIN THESE AREAS
2. WHEREVER POSSIBLE, FILLS SHOULD NOT BE CONSTRUCTED FROM OR BUILT UPON SOILS KNOWN TO HAVE LOW SHEAR STRENGTH OR THAT HAVE BEEN IDENTIFIED AS "LANDSLIDE PRONE" UNLESS IT CAN BE SHOWN THAT IT CAN BE DONE WITH AN ACCEPTABLE SAFETY FACTOR
3. WHEREVER FILLS ARE TO BE CONSTRUCTED OUT OF OR ONTO SOILS IDENTIFIED AS HAVING LOW SHEAR STRENGTH OR ARE "LANDSLIDE PRONE," A REPORT SHOULD BE PREPARED BY A PROFESSIONAL GEOTECHNICAL ENGINEER OR PROFESSIONAL GEOLOGIST WHICH ADDRESSES THE FOLLOWING:
 - A. THE CHARACTER OF THE BEDROCK AND ANY ADVERSE GEOLOGIC CONDITION IN THE AREA OF THE FILLS INCLUDING PREVIOUS SLOPE FAILURES.
 - B. A SURVEY OF ALL SPRINGS, SEEPS, AND GROUNDWATER FLOW OBSERVED OR ANTICIPATED DURING WET PERIODS IN THE AREAS OF THE FILLS.
 - C. THE MAXIMUM STEEPNESS OF SLOPE AND HEIGHT OF FILL TO BE CONSTRUCTED ON THE SITE.
 - D. A STABILITY ANALYSIS INCLUDING, BUT NOT LIMITED TO, STRENGTH PARAMETERS, PORE PRESSURES, AND LONG-TERM SEEPAGE CONDITIONS. THESE DATA SHOULD BE ACCOMPANIED BY A DESCRIPTION OF ALL ENGINEERING DESIGN ASSUMPTIONS AND CALCULATIONS AS WELL AS THE ALTERNATIVES CONSIDERED IN SELECTING THE DESIGN SPECIFICATIONS AND TESTING METHODS.
 - E. THE ESTIMATED FACTOR OF SAFETY USED TO DESIGN THE SLOPES. AT A MINIMUM, THE LONG-TERM SAFETY FACTOR SHOULD BE 1.5 FOR CUTS OR FILLS WITHIN 50 FEET OF PUBLIC HIGHWAYS, RAILROADS, SURFACE WATERS, OR WHERE FAILURE COULD ENDANGER PUBLIC SAFETY. THE SAFETY FACTOR SHOULD BE A MINIMUM OF 1.25 FOR ALL OTHER FILLS.
4. TO AVOID ENDANGERING REGULATED WATERS OR PUBLIC TRANSPORTATION FACILITIES, A MINIMUM SETBACK SHOULD BE MAINTAINED ACCORDING TO TABLE 16.1.

TABLE 16.1
RECOMMENDED MINIMUM SETBACKS FOR FILL PLACEMENT IN THE VICINITY OF REGULATED WATER, HIGHWAYS, RAILROADS, AND OTHER PUBLIC TRANSPORTATION FACILITIES*

| HEIGHT OF FILL (FT) | MINIMUM SETBACK (FT) |
|---------------------|----------------------------------|
| < 10 | 10 |
| 10 – 25 | 25 |
| 25 – 50 | 50 |
| > 50 | 1 FT OF SETBACK PER FT OF HEIGHT |

*GREATER SETBACK DISTANCES MIGHT BE NEEDED IF SOIL/BEDROCK, RUNOFF, OR GROUNDWATER CONDITIONS ARE SUCH THAT A SIGNIFICANT THREAT TO PUBLIC HEALTH AND SAFETY IS POSED OR IN SPECIAL PROTECTION WATERSHEDS. LESSER SETBACKS MAY BE CONSIDERED BY THE DEPARTMENT IN CASES WHERE SPECIAL SLOPE STABILITY MEASURES ARE UNDERTAKEN OR IT CAN BE SHOWN THAT THE DESIRED LONG-TERM SAFETY FACTOR IS PROVIDED.

E&S PLAN NOTES

1. EROSION AND SEDIMENT BMPS MUST BE CONSTRUCTED, STABILIZED AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPS.
2. NO SEDIMENT-LADEN WATER SHALL LEAVE THE SITE WITHOUT FIRST BEING FILTERED. ALL PUMPING OF SEDIMENT -LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER UNDISTURBED AREAS.
3. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
4. SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF ON-SITE IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED OR PLACED IN SOIL STOCKPILES AND STABILIZED.
5. AREAS OF DISTURBANCE TO EXISTING SLOPES GREATER THAN 15% WHERE PROPOSED GRADES ARE 3:1 OR STEEPER SHALL BE STABILIZED WITH EROSION CONTROL BLANKET WHERE NECESSARY TO CONTROL EROSION, AS DIRECTED BY THE TOWNSHIP ENGINEER OR CONSERVATION DISTRICT REPRESENTATIVE DURING FIELD INSPECTIONS OF CONSTRUCTION OPERATIONS.
6. UTILITY LINE TRENCH EXCAVATION:
 - A. LIMIT ADVANCE CLEARING AND GRUBBING OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY.
 - B. WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION AND BACKFILLING WILL BE SELF CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS.
 - C. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.
 - D. WATER WHICH ACCUMULATES IN THE OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING BEFORE PIPE PLACEMENT AND/OR BACKFILLING BEGINS. WATER REMOVED FROM THE TRENCH SHALL BE PUMPED THROUGH A FILTRATION DEVICE.
 - E. IMMEDIATELY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND APPROPRIATE TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES/FACILITIES WILL BE INSTALLED. SEEDING AND MULCHING OF ALL DISTURBED AREAS SHALL BE COMPLETED IMMEDIATELY.
 - G. ALL SOIL EXCAVATED FROM TRENCH WILL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.
 - H. SOILS EXCAVATED FROM EXISTING SURFACE LAYER SHOULD BE STOCKPILED SEPARATELY AND RETURNED AS FINAL SURFACE LAYER FOLLOWING TRENCH BACKFILLING.

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 THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE CHAPTER 260, §260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. 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 E&S PLAN APPROVED BY THE CONSERVATION DISTRICT OR DEP 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). EMULSIFIED 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 TOWNSHIP AND THE CONSERVATION DISTRICT 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.



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| SCALE: | N.T.S. |
| DRAWN BY: | EBS |
| PLAN ORIG. DATE: | 10-23-25 |

| REVISIONS | | |
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| PROJECT No. | 6774 |
| SITE NAME: | MAF501 |
| SITE NUMBER: | US-NM-9015 |
| SITE ADDRESS: | 18 BLK A7 SEC SEMINOLE, TX 79360 |
| FILE NAME: | ZES.DWG |
| SHEET TITLE: | E&S NOTES (1) |

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| DRAWING NO. | REVISION: |
| ES-2 | A |

CONSTRUCTION SEQUENCE

IN ORDER TO KEEP EROSION AND SEDIMENT POLLUTION DURING CONSTRUCTION TO AN ABSOLUTE MINIMUM, ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING STAGING OF EARTHMOVING ACTIVITIES. EACH STAGE SHALL BE COMPLETED BEFORE A SUBSEQUENT STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE. AT LEAST THREE DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITY, ALL CONTRACTORS INVOLVED IN THAT ACTIVITY SHALL NOTIFY THE ONE–CALL SYSTEM TO DETERMINE ANY UNDERGROUND UTILITIES LOCATIONS.

- 1.ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS.
- 2.ROUGH GRADE DRIVEWAY, INSTALL DRIVEWAY CULVERTS, AND INSTALL ROCK CONSTRUCTION ENTRANCE IN ACCORDANCE WITH DETAIL TO SERVE AS ACCESS TO SITE.
- 3.PLACE COMPOST FILTER SOCK AS DEPICTED ON THE PLANS, AND DOWNSTREAM OF ALL EXCAVATED AREAS OR TOPSOIL STOCKPILING AREAS.
- 4.CLEAR AND GRUB REMAINDER OF DISTURBED AREAS ON SITE. STRIP TOPSOIL WITHIN AREAS OF PROPOSED EARTHWORK AND STOCKPILE ACCORDING TO PLANS. BEGIN BULK EXCAVATION ACTIVITIES FOR PROPOSED DRIVEWAY, PARKING AREA, & COMPOUND AND STABILIZE.
- 5.BEGIN CONSTRUCTION OF PROPOSED COMPOUND AND PARKING AREAS. IF ROADWAY IS NOT STABILIZED, ACCESS TO THE CONSTRUCTED BUILDING SHALL BE STABILIZED FOR CONSTRUCTION VEHICLE ACCESS.
- 6.INSTALL REMAINDER OF UNDERGROUND UTILITIES. REFER TO UTILITY LINE EXCAVATION MEASURES. FINISH GRADE, SEED AND MULCH EACH AREA OF DISTURBANCE IMMEDIATELY AFTER CONSTRUCTION IS COMPLETED.
- 7.REMOVE TEMPORARY CONTROL MEASURES AFTER UNIFORM EROSION RESISTANT PERENNIAL VEGETATION HAS BEEN ESTABLISHED, MINIMUM OF UNIFORM COVERAGE OR A DENSITY OF 70% ACROSS THE DISTURBED AREA, TO THE POINT WHERE THE SURFACE SOIL IS CAPABLE OF RESISTING EROSION DURING RUNOFF EVENTS. AREAS DISTURBED DURING THE REMOVAL OF THE CONTROLS MUST BE STABILIZED.

SITE SEEDING

IF A DIFFERENT SEED MIXTURE IS TO BE USED IT MUST BE APPROVED BY THE APPROPRIATE CONSERVATION DISTRICT PRIOR TO APPLICATION. THE SEEDING MIXTURES PROVIDED BELOW ARE AVAILABLE FROM BAMERT SEED COMPANY, MULESHOE, TX 79347, 1–800–262–9892, BAMERTSEED.COM

TEMPORARY SITE SEEDING SPECIFICATIONS:

SEED MIXTURE:

| | | |
|---|--------------------|------------------------------|
| TXDOT SEEDING FOR EROSION CONTROL: TEMPORARY SEED MIX | | |
| BOTANICAL NAME | COMMON NAME | PERCENT (%) OF MIX BY WEIGHT |
| PASCOPYRUM SMITHII | WESTERN WHEATGRASS | 14.38% |
| TRITICUM AESTIVUM | WINTER WHEAT | 85.62% |

ADDITIVES:

| | |
|--|-----------------------------|
| ADDITIVE | APPLICATION RATE (PER ACRE) |
| FERTILIZER:USE A FERTILIZER CONTAINING NITROGEN PHOSPHORIC ACID, AND POTASH NUTRIENTS, UNLESS OTHERWISE SPECIFIED ON THE PLANS. | 100 POUNDS |
| MULCH (HAY OR STRAW) | 1.5–2.5 TONS |
| CELLULOSE FIBER MULCH:USE ONLY CELLULOSE FIBER MULCHES THAT ARE ON THE APPROVED PRODUCTS LIST, EROSION CONTROL APPROVED PRODUCTS. | 2–3 TONS |
| TACKING METHODS: USE A TACKING AGENT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR A CRIMPING METHOD ON ALL STRAW OR HAY MULCH OPERATIONS | |

PERMANENT SITE SEEDING SPECIFICATIONS:

GENERAL SITE PREPARATION:

ELIMINATE ANY WEED GROWTH PRIOR TO SEED INSTALLATION USING AN APPROPRIATE HERBICIDE TO CONTROL UNDESIRABLE VEGETATION. SUPPLEMENT TOPSOIL WITH LEAF COMPOST MIXED THOROUGHLY INTO THE TOP 8 INCHES OF SOIL. FOR OPTIMAL SEED ESTABLISHMENT, SOIL PH SHALL BE BETWEEN 5.5 AND 6.5.

SEEDING APPLICATION:

CAREFULLY PROPORTIONING SEED FOR THE ENTIRE AREA, BROADCAST SEED INTO TWO SEPARATE APPLICATIONS BY APPLYING SEED AT HALF THE SUGGESTED RATE FOR EACH APPLICATION TO ENSURE EVEN AND ADEQUATE COVERAGE. AFTER THE FULL RATE OF SEEDING HAS BEEN ACHIEVED, FOLLOW BY ROLLING OR TRACKING SEED INTO THE TOP ¼ INCH OF SOIL TO ACHIEVE GOOD SEED TO SOIL CONTACT. DO NOT ROLL OR TRACK THE SEED IF SOIL IS WET. COVER WITH A LIGHT LAYER OF SALT HAY.

SEED MIXTURE:

TXDOT SEEDING FOR EROSION CONTROL: SANDY SOILS

| | | |
|-------------------------|-----------------------|------------------------------|
| BOTANICAL NAME | COMMON NAME | PERCENT (%) OF MIX BY WEIGHT |
| LEPTOCHLOA DUBIA | GREEN SPRANGLETOP | 15.87% |
| CHLORIS CUCULLATA | HOODED WINDMILLGRASS | 3.17% |
| BOUTELOA GRACILIS | BLUE GRAMMA | 6.35% |
| BOUTELOA HIRSUTA | HAIRY GRAMMA | 6.35% |
| ERAGROSTIS TRICHODES | SAND LOVEGRASS | 3.17% |
| SPOROBOLUS CRYPTANDRUS | SAND DROPSEED | 3.17% |
| ACHNATERUM HYMENOIDES | INDIAN RICEGRASS | 25.4% |
| ANDROPOGON HALLII | SAND BLUESTEM | 19.05% |
| SCHIZACHYRIUM SCOPARIUM | LITTLE BLUESTEM | 12.7% |
| DALEA PURPUREA | PURPLE PRAIRIE CLOVER | 4.76% |

TXDOT SEEDING FOR EROSION CONTROL: CLAY SOILS

| | | |
|---------------------------|--------------------------|------------------------------|
| BOTANICAL NAME | COMMON NAME | PERCENT (%) OF MIX BY WEIGHT |
| LEPTOCHLOA DUBIA | GREEN SPRANGLETOP | 19.61% |
| BOUTELOA CURTIPENDULA | SIDEOATS GRAMA | 19.61% |
| BOUTELOA GRACILIS | BLUE GRAMA | 7.84% |
| PLEURAPHIS JAMESII | GALLETA GRASS | 11.76% |
| CHLORIS SUBDOLICHOSTACHYA | SHORTSPIKE WINDMILLGRASS | 3.92% |
| PAPPOPHORUM BICOLOR | PINK PAPPUSGRASS | 11.76% |
| SPOROBOLUS AIROIDES | AKALI SACATON | 3.92% |
| SETARIA VULPISETA | PLAINS BRISTLEGRASS | 3.92% |
| TRICHLORIS CRINITA | FALSE RHODES GRASS | 1.96% |
| PAPPOPHORUM VAGINATUM | WHIPLASH PAPPUSGRASS | 11.76% |
| DIGITARIA CALIFORNICA | ARIZONA COTTONTOP | 3.92% |

ADDITIVES:

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|---|-----------------------------|
| ADDITIVE | APPLICATION RATE (PER ACRE) |
| FERTILIZER:USE A FERTILIZER CONTAINING NITROGEN PHOSPHORIC ACID, AND POTASH NUTRIENTS, UNLESS OTHERWISE SPECIFIED ON THE PLANS. | 100 POUNDS |

MULCH (HAY OR STRAW):APPLY STRAW OR HAY MULCH UNIFORMLY OVER THE AREA AS SHOWN ON THE PLANS.

1.5–2.5TONS

CELLULOSE FIBER MULCH:USE ONLY CELLULOSE FIBER MULCHES THAT ARE ON THE APPROVED PRODUCTS LIST, EROSION CONTROL APPROVED PRODUCTS.

TACKING METHODS: USE A TACKING AGENT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR A CRIMPING METHOD ON ALL STRAW OR HAY MULCH OPERATIONS

2–3 TONS

FILL MATERIAL NOTES

IF THE SITE WILL NEED TO IMPORT OR EXPORT MATERIAL FROM THE SITE, THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND DETERMINATION OF CLEAN FILL WILL REST WITH THE ON–SITE CONTRACTOR.

CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON–WATER SOLUBLE, NON–DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE–USE).

CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS IN TABLES FP–1A AND FP–1B FOUND IN THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".

ANY PERSON PLACING CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE FORM FP–001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP–001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL. A COPY OF FORM FP–001 CAN BE FOUND AT THE END OF THESE INSTRUCTIONS.

ENVIRONMENTAL DUE DILIGENCE: THE APPLICANT MUST PERFORM ENVIRONMENTAL DUE DILIGENCE TO DETERMINE IF THE FILL MATERIALS ASSOCIATED WITH THE PROJECT QUALIFY AS CLEAN FILL. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS: INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".

FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE DEPARTMENT'S MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 PA. CODE CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE. THESE REGULATIONS ARE AVAILABLE ON–LINE AT WWW.PACODE.COM .

MATERIAL NOTES:

1. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
2. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
3. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
4. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.

SOILS DATA

SOILS DATA OBTAINED FROM A SOIL SURVEY OF GAINES COUNTY, TEXAS, ISSUED OCTOBER 14, 2025.

AwB – SHARVANA FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
LIMITATIONS – CORROSION OF STEEL, DEPTH TO SATURATED ZONE, PIPING

RESOLUTIONS

CORROSION OF STEEL – STEEL MAY NEED TO BE WRAPPED IN CORROSION RESISTANT MATERIAL

DEPTH TO SATURATED ZONE/SEASONAL HIGH WATER TABLE – U–DRAIN MAY BE REQUIRED FOR ANY SPRINGS ENCOUNTERED. PUMPED WATER FILTER BAG MAY BE NEEDED DURING EXCAVATIONS.

PIPING – SOIL MAY NOT BE SUITABLE FOR BASIN BERM CONSTRUCTION. CLAY MATERIAL MAY NEED TO BE BORROWED FROM ELSEWHERE ON SITE. (OR TRENCH PLUGS)

NO KNOWN GEOLOGIC FORMATIONS OR SOIL CONDITIONS THAT MAY CAUSE POLLUTION EXIST ON SITE.



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| SCALE: | N.T.S. |
| DRAWN BY: | EBS |
| PLAN ORIG. DATE: | 10–23–25 |

| REVISIONS | | |
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| A | 10–23–25 | PRELIMINARY |
| REV | DATE | DESCRIPTION |

PROJECT No.
6774

SITE NAME:
MAF501

SITE NUMBER:
US–NM–9015

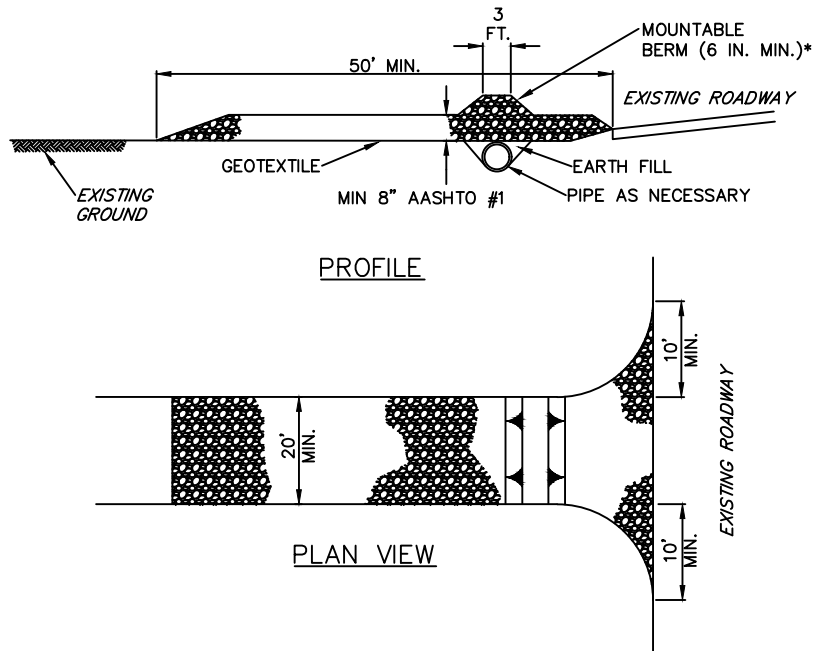
SITE ADDRESS:
18 BLK A7 SEC
SEMINOLE, TX 79360

FILE NAME:
ZES.DWG

SHEET TITLE:
E&S NOTES (2)

DRAWING NO.
ES–3

REVISION:
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* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

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

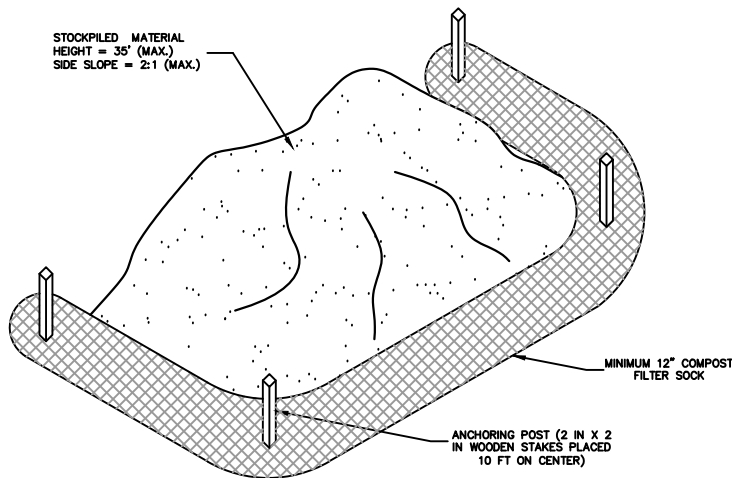
RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

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.

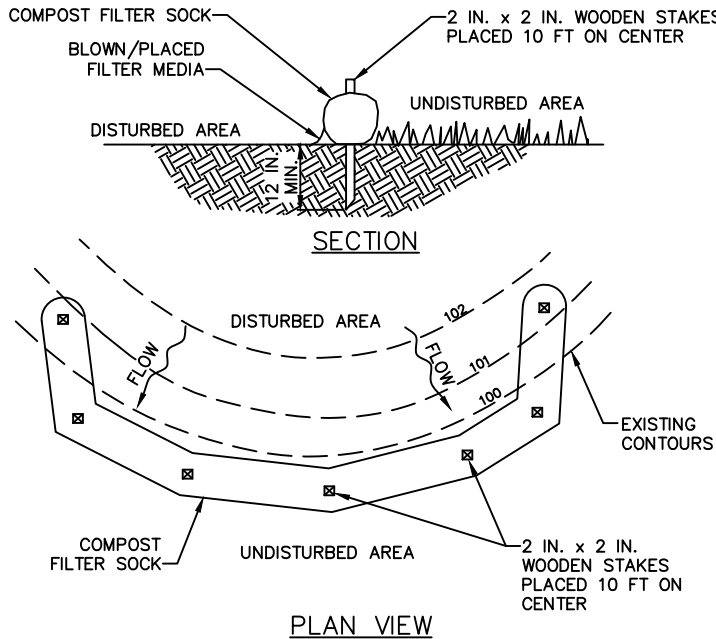
MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE 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:

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.

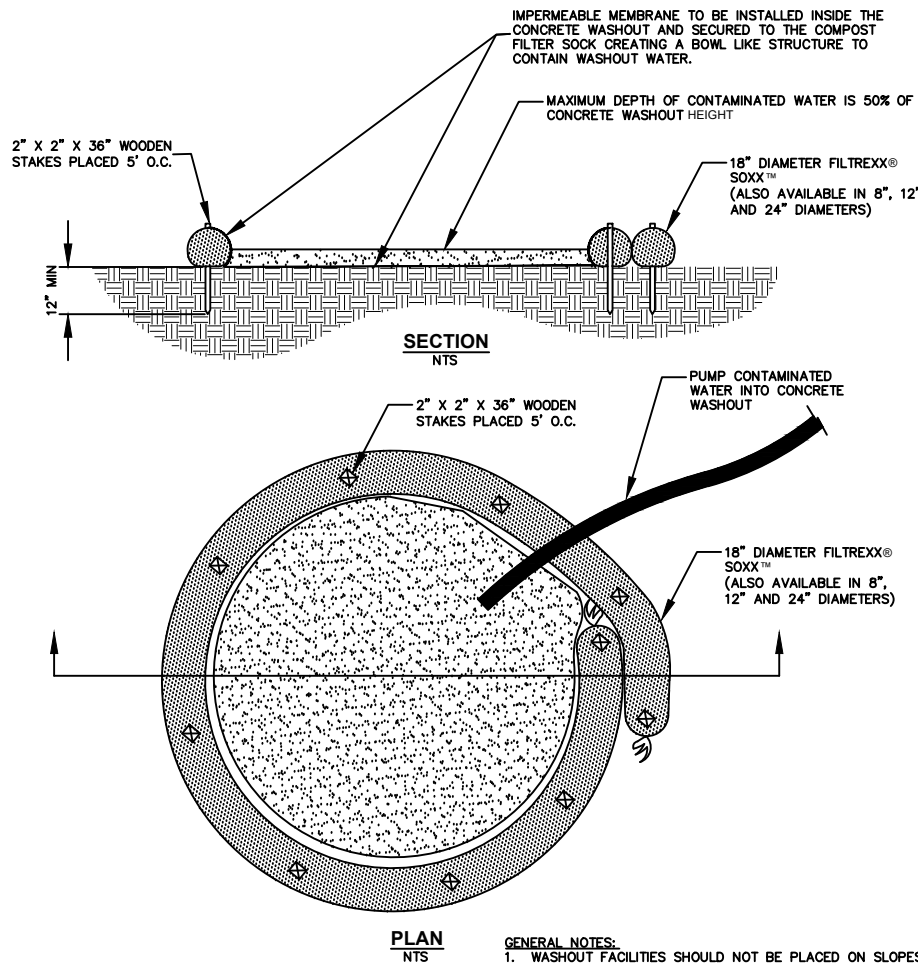
STANDARD CONSTRUCTION DETAIL #4-1 COMPOST FILTER SOCK

NOT TO SCALE

COMPOST
LABEL FILTER SOCK SIZE
A CFS 12"
EROSION PERMITTER CONTROLS

| TABLE 4.2 COMPOST STANDARDS | |
|--------------------------------|--|
| ORGANIC MATTER CONTENT | 25% – 100% (DRY WEIGHT BASIS) |
| ORGANIC PORTION | FIBROUS AND ELONGATED |
| pH | 5.5–8.5 |
| MOISTURE CONTENT | 30%–60% |
| PARTICLE SIZE | 30%–50% PASS THROUGH $\frac{3}{8}$ " SIEVE |
| SOLUBLE SALT CONCENTRARION | 5.0 dS/m (mmhos/cm) MAXIMUM |

| TABLE 4.1 Compost Sock Fabric Minimum Specifications | | | | | |
|---|------------------|---|--------------------------|-------------------------------------|--|
| Material Type | 3 mil HDPE | 5 mil HDPE | 5 mil HDPE | Multi-Filament Polypropylene (MFPP) | Heavy Duty Multi-Filament Polypropylene (HDMFPP) |
| Material Characteristics | Photo-degradable | Photo-degradable | Bio-degradable | Photo-degradable | Photo-degradable |
| Sock Diameters | 12" 18" | 12" 18" 24" 32" | 12" 18" 24" 32" | 12" 18" 24" 32" | 12" 18" 24" 32" |
| Mesh Opening | 3/8" | 3/8" | 3/8" | 3/8" | 1/8" |
| Tensile Strength | | 26 psi | 26 psi | 44 psi | 202 psi |
| Ultraviolet Stability % Original Strength (ASTM G-155) | 23% at 1000 hr. | 23% at 1000 hr. | | 100% at 1000 hr. | 100% at 1000 hr. |
| Minimum Functional Longevity | 6 months | 9 months | 6 months | 1 year | 2 years |
| Two-ply systems | | | | | |
| Inner Containment Netting | | HDPE biaxial net | | | |
| | | 3/4" X 3/4" Max. aperture size | | | |
| | | Continuously wound | | | |
| | | Fusion-welded junctures | | | |
| Outer Filtration Mesh | | Composite Polypropylene Fabric (Woven layer and non-woven fleece mechanically fused via needle punch) | | | |
| | | 3/16" Max. aperture size | | | |
| | | Sock fabrics composed of burlap may be used on projects lasting 6 months or less. | | | |



MAINTENANCE NOTES:

1. ALL CONCRETE WASHOUT FACILITIES SHOULD NOT BE PLACED ON SLOPES OF GREATER THAN 2% WHEREVER POSSIBLE.
2. AN IMPERMEABLE MEMBRANE IS TO BE INSTALLED BENEATH THE WASHOUT, CREATING A BOWL LIKE STRUCTURE ON THE INTERIOR OF THE COMPOST FILTER SOCK.
3. CONCRETE WASHOUT MAY BE STACKED IN A PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT AND STABILITY
4. CONCRETE WASHOUT FACILITIES SHOULD NOT BE PLACED WITHIN 50 FEET OF STORM DRAINS, OPEN DITCHES, OR SURFACE WATERS.

FILTREXX® CONCRETE WASHOUT N.T.S.



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| PROJECT No. | 6774 |
| SITE NAME: | MAF501 |
| SITE NUMBER: | US-NM-9015 |
| SITE ADDRESS: | 18 BLK A7 SEC SEMINOLE, TX 79360 |
| FILE NAME: | ZES.DWG |

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