

Approved
ESCAMBIA COUNTY DRC PLAN REVIEW

DRC Chairman Signature: *J. Hampton* 6-2-21
 Printed Name: *Jennifer Hampton* Date
 Development Services Director or Designee

This document has been reviewed in accordance with the requirements of applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor or other signatory from responsibility of details as drawn. A Development Order (DO) must be obtained through the Development Review Process prior to the commencement of construction. This DO approval does not constitute approval by any other agency. All additional state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of a building permit.

SITE NAME:
LAMBERT

LOCATION CODE:
267124

TOWER TYPE:

PROPOSED 280 FT SELF SUPPORT TOWER
 [TOWER HEIGHT - 281' AGL] [OVERALL APPURTENANCE HEIGHT - 291' AGL]

PREPARED FOR:



PREPARED BY:



P. MARSHALL & ASSOCIATES
 6801 PORTWEST DRIVE #100
 HOUSTON, TX 77024
 713-677-0964

DRIVE DIRECTIONS:

FROM SWITCH:
 TAKE I-10 EAST FOR APPROXIMATELY 136 MI. TAKE LEFT EXIT FOR I-65 N. FOLLOW FOR 45 MI. IN PERDIDO, TAKE EXIT FOR CR 47. FOLLOW CR 47 S TO US-31, TURN LEFT AND TRAVEL 3.2 MI. TURN R ON N PINEVILLE RD AND FOLLOW FOR ~1 MI TO NOKOMIS RD, TURN LEFT, FOLLOW NOKOMIS RD TO FL-97 S, TURN RIGHT AND TRAVEL 3.7 MI. TURN LEFT ON CR 164 AND FOLLOW 4.2 MI. TURN LEFT ON WILMA RD, PROPERTY IS ON YOUR LEFT

CONDITIONAL USE PERMIT:
CU-2021-05 APPROVED ON 03/17/2021

CONTRACTORS: DO NOT PERFORM SITE WORK
 UNTIL PERMITS HAVE BEEN OBTAINED.

NOTE:
 THE PROPOSED EQUIPMENT WILL NOT BE USED FOR
 EMERGENCY RESPONSE EQUIPMENT.

PROJECT INFORMATION

SITE ADDRESS: 1762 WILMA ROAD
 MCDAVID, FL 32568
 SITE NAME: LAMBERT
 LATITUDE: 30° 54' 25.04" N (NAD83)
 LONGITUDE: -87° 24' 36.30" W (NAD83)
 ELEVATION: 238.1' AMSL (NAVD 88)
 JURISDICTION: ESCAMBIA COUNTY
 CLASSIFICATION: AG
 COUNTY: ESCAMBIA
 LAND OWNER: JAMES HALL
 5081 HWY 164
 MCDAVID, FL 32568
 805-324-7464
 DEVELOPER: VERIZON WIRELESS
 14123 CICERO ROAD
 HOUSTON, TX 77095
 CM: JEFF MCNARY; 850-572-7020
 ENGINEER: P. MARSHALL & ASSOCIATES
 6801 PORTWEST DR, SUITE 100
 HOUSTON, TX 77024
 PATRICK W. MARSHALL, P.E.
 678-280-2325

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1762 WILMA ROAD
 MCDAVID, FL 32568

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C	01/04/21	ADDRESSED COMMENTS	DA
D	05/10/21	DRC COMMENTS	DA
E	05/28/21	DRC COMMENTS	DA

POWER & TELCO COORDINATION:

• POWER COMPANY: ESCAMBIA RIVER COOP
 • MAIN CONTACT NUMBER: 850-675-7403
 • PWR. CO. ENGINEER: ALAN MITCHEM
 • ENGINEER CONTACT INFO: AMITCHEM@EREC.COM

• ESID NUMBER: TBD
 • METER ADDRESS: TBD

• TELEPHONE COMPANY: TBD
 • TEL. CONTACT NUMBER: TBD

FIBER PROVIDER NOTE - TBD:

TBD



DESIGNED: PUA
 DRAWN: PUA
 CHECKED: PWM

JOB #:
 20_V3N-036

TITLE SHEET & PROJECT INFORMATION

T-1



CALL FLORIDA ONE CALL
 (800) 432-4770
 CALL 3 WORKING DAYS
 BEFORE YOU DIG!



GENERAL NOTES:

THE GENERAL CONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE STARTING WORK. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMAN LIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.

IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORM WORK, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL ORDINANCES, TO SAFELY EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.

THE CONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONSTRUCTION CONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.

SITE GROUNDING SHALL COMPLY WITH VERIZON WIRELESS GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON WIRELESS GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION. IF TEMPORARY LIGHTING AND MARKING IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION (FAA), IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE NECESSARY LIGHTS AND NOTIFY THE PROPER AUTHORITIES IN THE EVENT OF A PROBLEM.

ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.

ANY DAMAGE TO ADJACENT PROPERTIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AMPLIFIED NOTICE TO THE BUILDING INSPECTION DEPARTMENT TO SCHEDULE THE REQUIRED INSPECTIONS. A MINIMUM OF 24 HOURS OF NOTICE SHALL BE GIVEN AND THE BUILDING INSPECTION DEPARTMENTS HAVE REQUESTED THAT GROUPS OF TWO OR THREE SITES BE SCHEDULED AT ONE TIME IF POSSIBLE.

CONSTRUCTION MANAGER WILL CONFIRM FAA APPROVAL OF TOWER LOCATION BY ISSUING TOWER RELEASE FORM. NO TOWER SHALL BE CONSTRUCTED UNTIL THE TOWER RELEASE FORM IS ISSUED TO THE CONTRACTOR.

THE COMPLETE BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE FINAL RF DESIGN AND TOWER STRUCTURAL ANALYSIS. CONTRACTOR IS RESPONSIBLE FOR REVIEW OF TOTAL BID PACKAGE PRIOR TO BID SUBMITTAL.

CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY THE TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ANY DAMAGE TO PROPERTY OUTSIDE THE LEASE PROPERTY SHALL BE REPAIRED BY THE CONTRACTOR.

ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.

SEEDING AND MULCHING OF THE SITE SHALL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE SITE DEVELOPMENT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A ONE YEAR PERIOD.

PERMITS: OBTAIN AND PAY FOR REQUIRED PERMITS, LICENSES, FEES, INSPECTIONS, ETC.

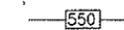
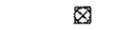
RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.

THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED IN THIS DESIGN PACKAGE.

EXCAVATION & GRADING NOTES:

- ALL CUT AND FILL SLOPES SHALL BE 3:1 MAXIMUM.
- ALL EXCAVATIONS ON WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUND WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED IF REQUIRED.
- CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC MATERIAL. IF SOUND SOIL IS NOT REACHED AT THE DESIGNATED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION BE FILLED WITH CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION.
- ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH EITHER MECHANICALLY COMPACTED GRANULAR MATERIAL OF CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS.
- AFTER COMPLETION OF THE FOUNDATION AND OTHER CONSTRUCTION BELOW GRADE, AND BEFORE BACK FILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH.
- BACK FILL SHALL BE:
 - APPROVED MATERIALS CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND, GRAVEL, OR SOFT SHALE.
 - FREE FROM CLODS OR STONES OVER 2-1/2" MAXIMUM DIMENSIONS;
 - IN LAYERS AND COMPACTED.
- SITE FILL MATERIAL AND FOUNDATION BACK FILL SHALL BE PLACED IN LAYERS, MAXIMUM 6" DEEP BEFORE COMPACTION. EACH LAYER SHALL BE SPRINKLED IF REQUIRED AND COMPACTED BY HAND OPERATED OR MACHINE TAMPERS TO 95% OF MAXIMUM DENSITY, AT THE OPTIMUM MOISTURE CONTENT 2% AS DETERMINED BY ASTM DESIGNATION D-698, UNLESS OTHERWISE APPROVED. SUCH BACK FILL SHALL NOT BE PLACED BEFORE 3 DAYS AFTER PLACEMENT OF CONCRETE.
- THE FOUNDATION AREA SHALL BE GRADED TO PROVIDE WATER RUNOFF AND PREVENT WATER FROM STANDING. THE FINAL GRADE SHALL SLOPE AWAY IN ALL DIRECTIONS FROM THE FOUNDATION AND SHALL THEN BE COVERED WITH 4" DEEP COMPACTED STONE OR GRAVEL.
- CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL CITY, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STAW BALE SEDIMENT BARRIERS AND CHECK DAMS.
- FILL PREPARATION: REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACING FILLS. PLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN SUBGRADE OR EXISTING GROUND SURFACE TO RECEIVE FILL HAS A DENSITY LESS THAN THAT REQUIRED FOR FILL, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION OR AERATE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- REPLACE THE EXISTING WEARING SURFACE ON AREAS WHICH HAVE BEEN DAMAGED OR REMOVED DURING CONSTRUCTION OPERATIONS. SURFACE SHALL BE REPLACE TO MATCH EXISTING ADJACENT SURFACING AND SHALL BE OF THE SAME THICKNESS. NEW SURFACE SHALL BE FREE FROM CORRUGATIONS AND WAVES. EXISTING SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED IF INJURIOUS AMOUNTS OF EARTH, ORGANIC MATERIAL, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ALL ADDITIONAL RESURFACING MATERIAL AS REQUIRED. BEFORE SURFACING IS REPLACED, SUBGRADE SHALL BE GRADED TO CONFORM TO REQUIRED SUBGRADE ELEVATIONS, AND LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED. DEPRESSIONS IN THE SUBGRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. SURFACING SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUBGRADE.
- PROTECT EXISTING SURFACING AND SUBGRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING OR OTHER SUITABLE MATERIALS DESIGNED TO SPREAD EQUIPMENT LOADS. REPAIR DAMAGE TO EXISTING GRAVEL SURFACING OR SUBGRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR'S OPERATIONS. DAMAGED GRAVEL SURFACING SHALL BE RESTORED TO MATCH THE ADJACENT UNDAUNAGED GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS.
- DAMAGE TO EXISTING STRUCTURES AND UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED / REPLACED TO OWNER'S SATISFACTION AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH PROPERTY OWNER SO AS TO AVOID INTERRUPTIONS TO PROPERTY OWNER'S OPERATIONS.
- ENSURE POSITIVE DRAINAGE DURING AND AFTER COMPLETION OF CONSTRUCTION.
- RIPRAP SHALL BE CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY, AND FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCE.

LEGEND

-  FENCE
-  CONTOUR LINE
-  PROPERTY LINE / ROW
-  LEASE AREA
-  EASEMENT
-  DISCONNECT SWITCH
-  METER
-  CIRCUIT BREAKER
-  CODED NOTE NUMBER
-  CHEMICAL GROUND ROD
-  GROUND ROD
-  GROUND ROD WITH INSPECTION SLEEVE
-  CADWELD TYPE CONNECTION
-  COMPRESSION TYPE CONNECTION
-  GROUND WIRE



LAMBERT

1762 WILMA ROAD
MCDAVID, FL 32568

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267124

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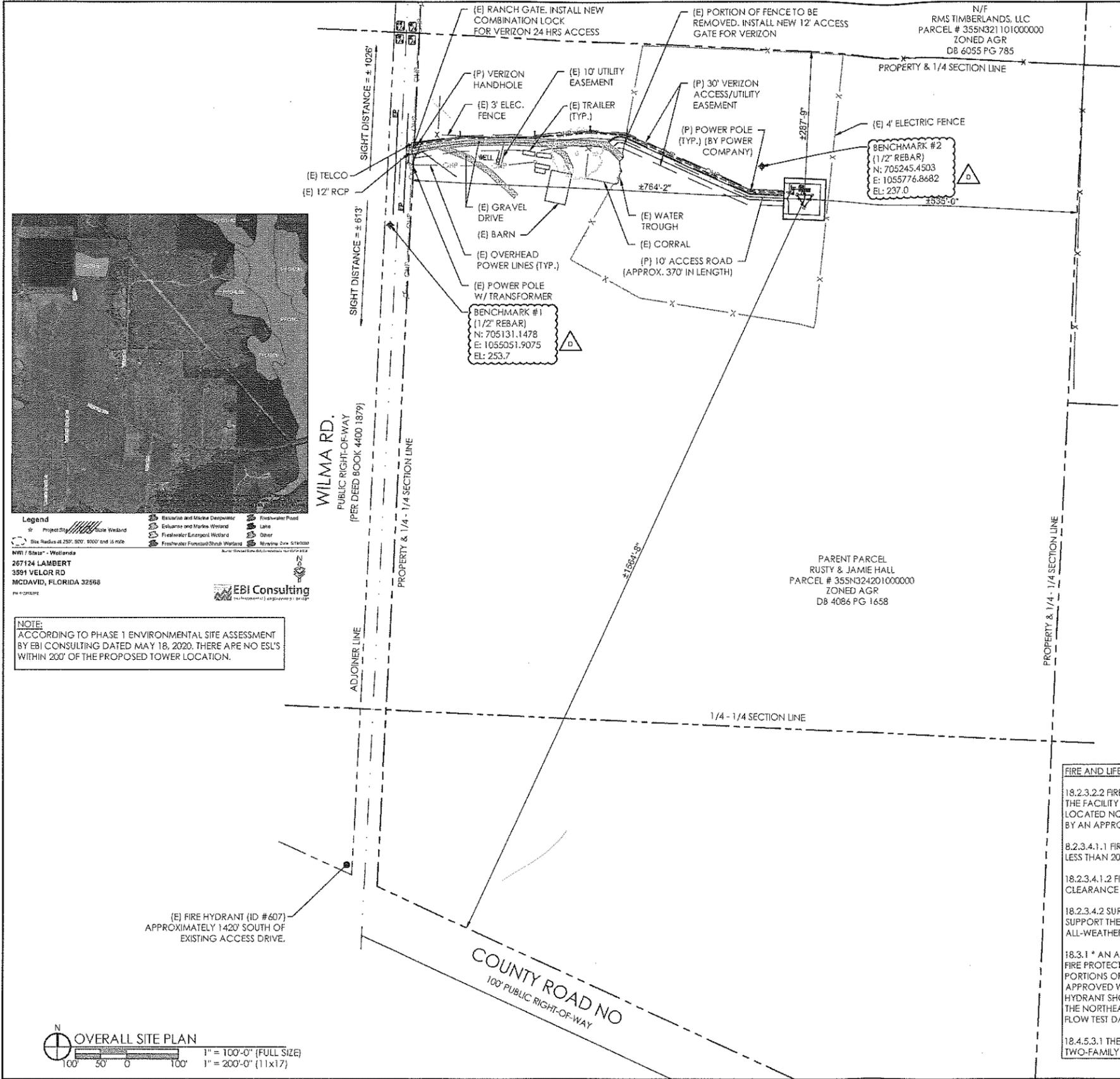


DESIGNED: PUA
DRAWN: PUA
CHECKED: PWM

JOB #:
20_V3N-036

GENERAL NOTES

G-1



PROPOSED SITE LOCATION:
 LATITUDE: 30° 54' 25.04" N (NAD83)
 LONGITUDE: -87° 24' 36.30" W (NAD83)
 GROUND ELEV: 238.1' AMSL (NAVD 88)

FLOOD PLAIN NOTE:
 THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X, (MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND 0.2-PERCENT ANNUAL CHANCE FLOODPLAINS. NO BFES OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES). AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0045G, MAP REVISION DATED SEPTEMBER 29, 2006.

THE GC SHALL CONTACT THE SURVEYOR PRIOR TO CONSTRUCTION STRAT TO COORDINATE STAKING AND PINNING THE CORNERS, DRIVEWAY AND CENTER OF TOWER.



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Legend
 Site Radius at 250', 500', 1000' and 1/4 mile
 NW 1/4 State - Wetlands
 267124 LAMBERT
 3391 VELOR RD
 MCDAVID, FLORIDA 32568
 PE 4-201912
 EBI Consulting

NOTE:
 ACCORDING TO PHASE 1 ENVIRONMENTAL SITE ASSESSMENT BY EBI CONSULTING DATED MAY 18, 2020, THERE ARE NO ESL'S WITHIN 200' OF THE PROPOSED TOWER LOCATION.

FIRE AND LIFE SAFETY NOTES:

18.2.3.2.2 FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED SUCH THAT ANY PORTION OF THE FACILITY OR ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY OF THE BUILDING IS LOCATED NOT MORE THAN 150 FT (46 M) FROM FIRE DEPARTMENT ACCESS ROADS AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING OR FACILITY.

8.2.3.4.1.1 FIRE DEPARTMENT ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FT (6.1M).

18.2.3.4.1.2 FIRE DEPARTMENT ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FT 6 IN. (4.1 M).

18.2.3.4.2 SURFACE. FIRE DEPARTMENT ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE PROVIDED WITH AN ALL-WEATHER DRIVING SURFACE. MINIMUM OF 40 TONS.

18.3.1 * AN APPROVED WATER SUPPLY CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW FOR FIRE PROTECTION SHALL BE PROVIDED TO ALL PREMISES UPON WHICH FACILITIES, BUILDINGS, OR PORTIONS OF BUILDINGS ARE HEREAFTER CONSTRUCTED OR MOVED INTO THE JURISDICTION. THE APPROVED WATER SUPPLY SHALL BE IN ACCORDANCE WITH SECTION 18.4. CLOSEST FIRE HYDRANT SHOWN ON THIS SHEET -- APPROXIMATELY 1420' SOUTH OF EXISTING ACCESS DRIVE AT THE NORTHEAST CORNER OF WILMA RD AND HIGHWAY 164. PENDING CURRENT FIRE HYDRANT FLOW TEST DATA.

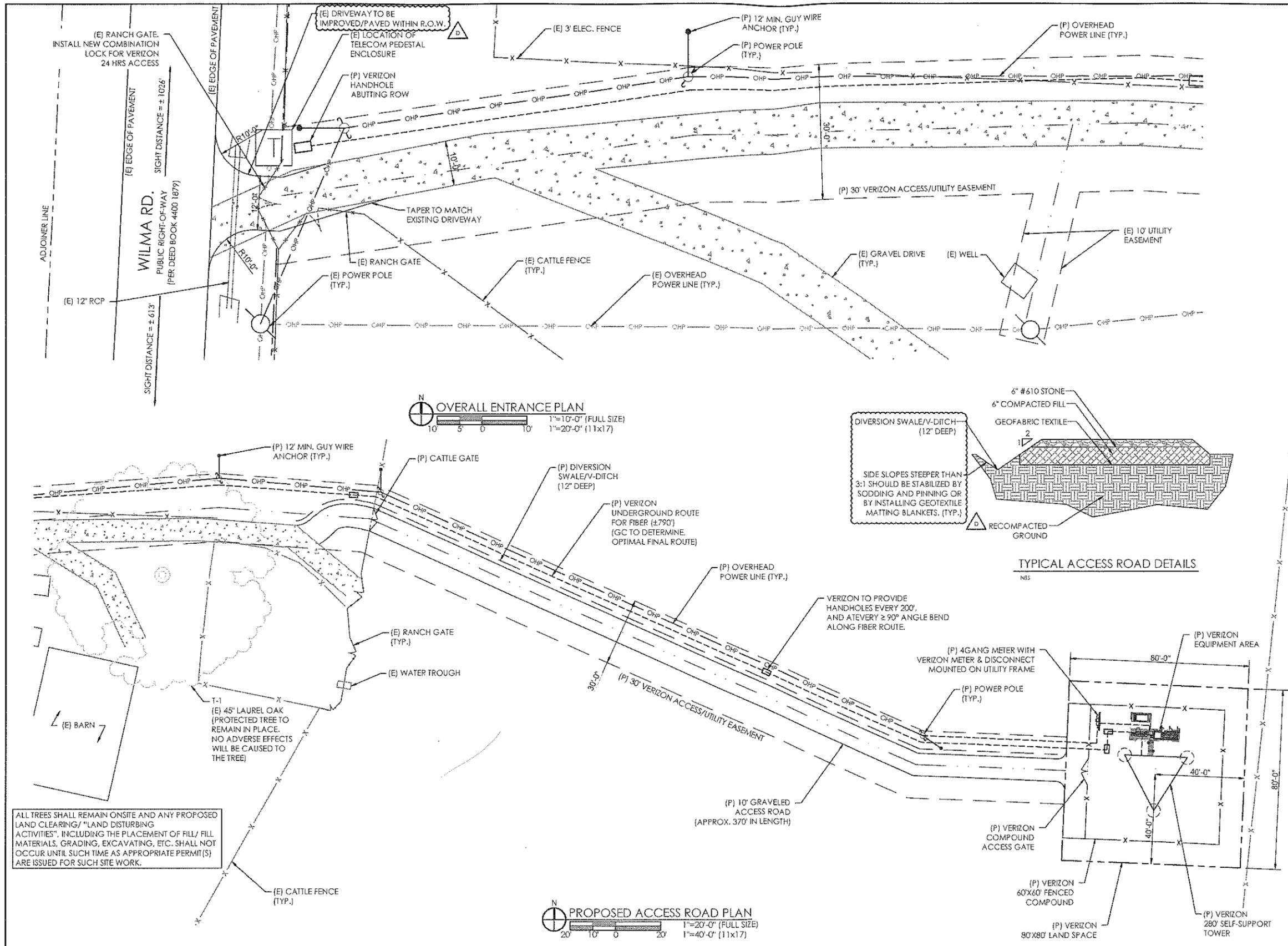
18.4.5.3.1 THE MINIMUM FIRE FLOW AND FLOW DURATION FOR BUILDINGS OTHER THAN ONE- AND TWO-FAMILY DWELLINGS SHALL BE AS SPECIFIED IN TABLE 18.4.5.2.1.

DESIGNED: PUA
 DRAWN: PUA
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OVERALL SITE PLAN

C-2





ALL TREES SHALL REMAIN ONSITE AND ANY PROPOSED LAND CLEARING/ "LAND DISTURBING ACTIVITIES", INCLUDING THE PLACEMENT OF FILL/ FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE PERMIT(S) ARE ISSUED FOR SUCH SITE WORK.



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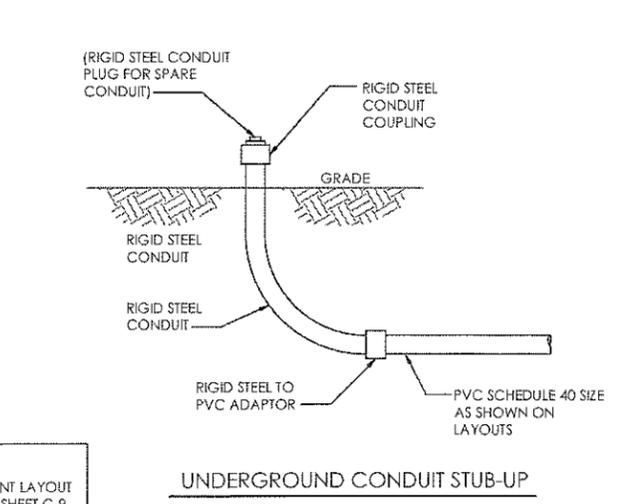
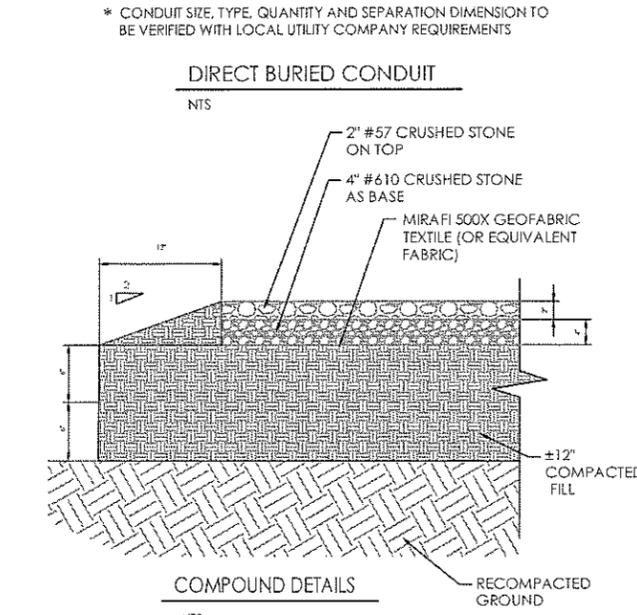
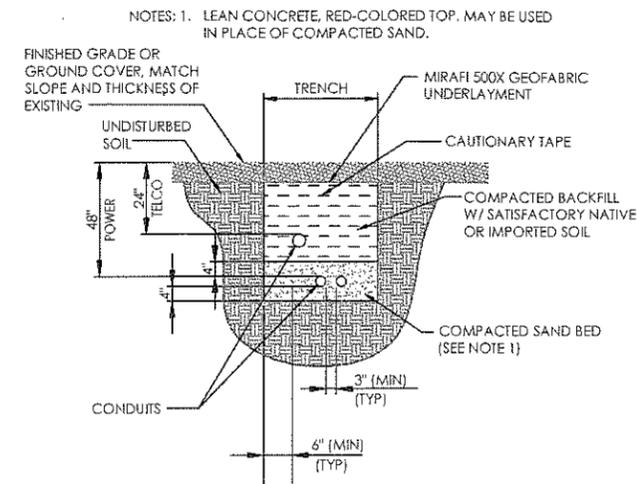
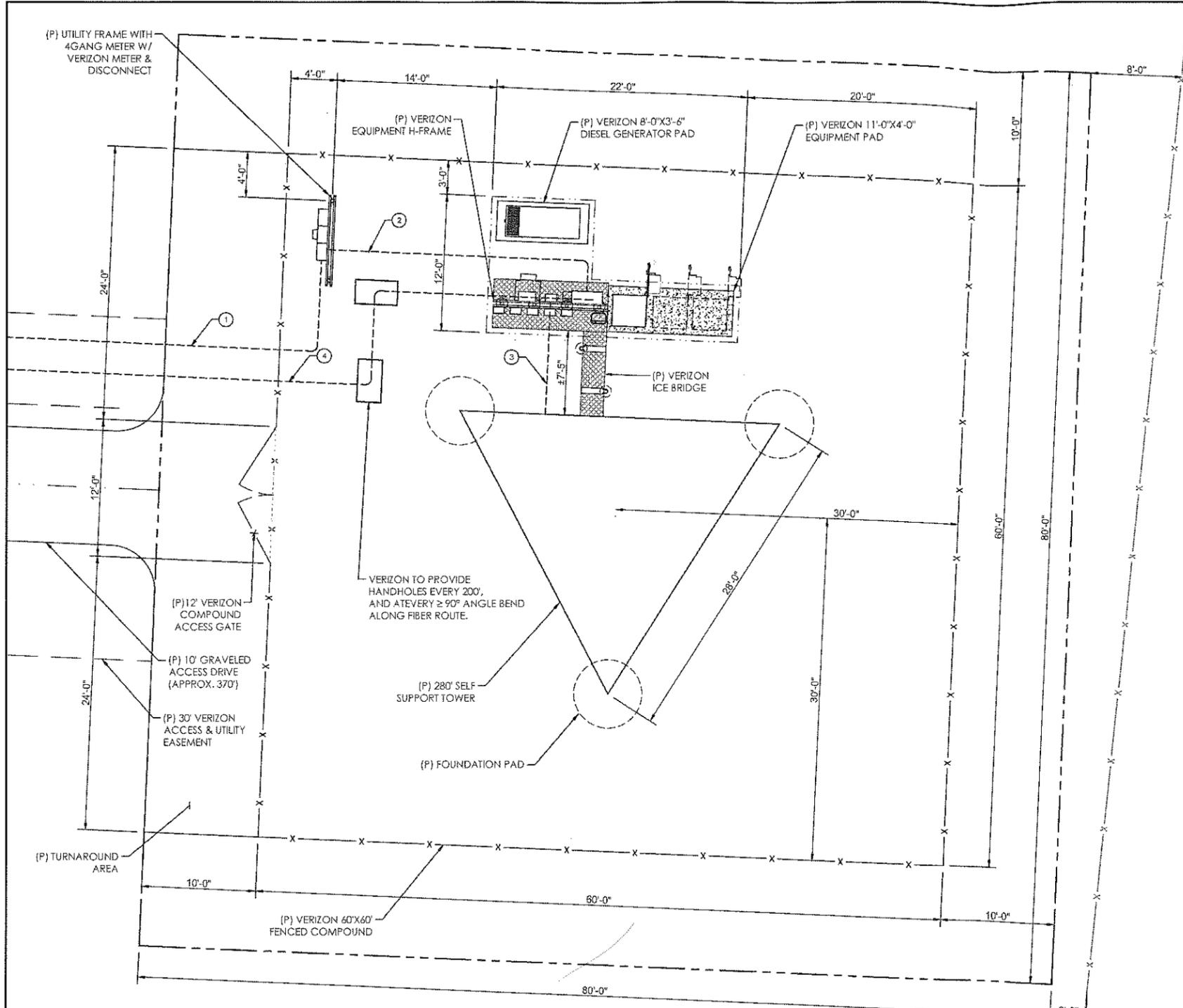
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ENTRANCE & ACCESS ROAD PLANS



NOTES: 1. LEAN CONCRETE, RED-COLORED TOP, MAY BE USED IN PLACE OF COMPACTED SAND.

FINISHED GRADE OR GROUND COVER, MATCH SLOPE AND THICKNESS OF EXISTING

MIRAFI 500X GEOFABRIC UNDERLAYMENT
CAUTIONARY TAPE
COMPACTED BACKFILL W/ SATISFACTORY NATIVE OR IMPORTED SOIL
COMPACTED SAND BED (SEE NOTE 1)
CONDUITS
3" (MIN) (TYP)
6" (MIN) (TYP)

* CONDUIT SIZE, TYPE, QUANTITY AND SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS

DIRECT BURIED CONDUIT

NTS

COMPOUND DETAILS

NTS

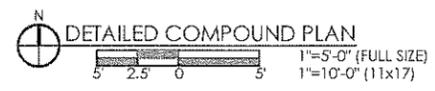
UNDERGROUND CONDUIT STUB-UP

NTS

- ELECTRICAL NOTES:**
- ① ROUTE (2) 3" SCH-40 PVC UNDERGROUND CONDUIT FROM THE PROPOSED POWER POLE W/ TRANSFORMER TO PROPOSED UTILITY FRAME. (±90') (GC TO DETERMINE OPTIMAL FINAL ROUTE)
 - ② ROUTE 2" SCH-40 PVC UNDERGROUND CONDUIT FROM THE PROPOSED VERIZON METER UTILITY FRAME TO THE PROPOSED POWER ILC CABINET ON VERIZON EQUIPMENT H-FRAME. (±30') (GC TO DETERMINE OPTIMAL FINAL ROUTE)
 - ③ PROPOSED 3/4" CONDUIT FOR TOWER LIGHTING. (±15') COORDINATE SIZE WITH MANUFACTURER.

- FIBER KEY NOTES:**
- ④ PROPOSED VERIZON (2) 2" SCHEDULE 40 PVC UNDERGROUND CONDUIT WITH (2) PULLSTRINGS EACH, 36" DEEP, FROM THE PROPOSED HAND HOLE AT ROW TO THE EQUIPMENT LOCATION (±1530 FT). VERIZON TO PROVIDE HANDHOLES EVERY 200' ALONG FIBER ROUTE. (±330') (GC TO DETERMINE THE OPTIMAL, FINAL ROUTE.)

EQUIPMENT NOTES:
SEE VERIZON EQUIPMENT LAYOUT WITH DIMENSIONS ON SHEET C-9



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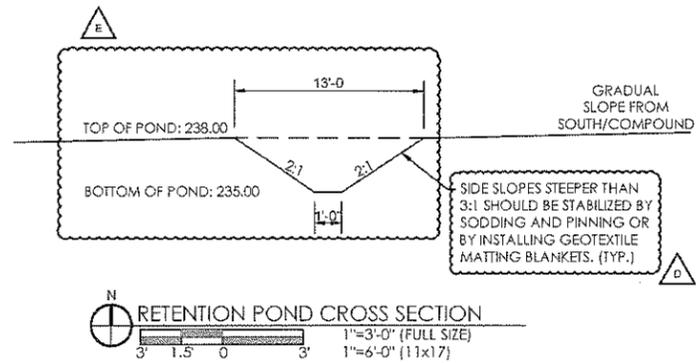
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DETAILED COMPOUND PLAN

C-3A



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THE GC SHALL CONTACT THE SURVEYOR PRIOR TO CONSTRUCTION STRAT TO COORDINATE STAKING AND PINNING THE CORNERS, DRIVEWAY AND CENTER OF TOWER.

ALL TREES SHALL REMAIN ONSITE AND ANY PROPOSED LAND CLEARING/ "LAND DISTURBING ACTIVITIES", INCLUDING THE PLACEMENT OF FILL/ FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE PERMIT(S) ARE ISSUED FOR SUCH SITE WORK.

DISTURBED AREAS LEFT IDLE SHALL BE STABILIZED WITH TEMPORARY VEGETATION AFTER 14 DAYS; AFTER 30 DAYS PERMANENT VEGETATION SHALL BE ESTABLISHED

MAINTENANCE STATEMENT EROSION CONTROL MEASURES WILL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN AND REPAIRED BY THE GENERAL CONTRACTOR

ADDITIONAL EROSION CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION

CONSTRUCTION EXIT - TO REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION AREA ONTO PUBLIC RIGHT-OF-WAYS, STREETS, ALLEYS, SIDEWALKS, OR PARKING AREAS.

DISTURBED AREA DUST CONTROL - TO CONTROL THE SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADWAYS, AND SIMILAR SITES.

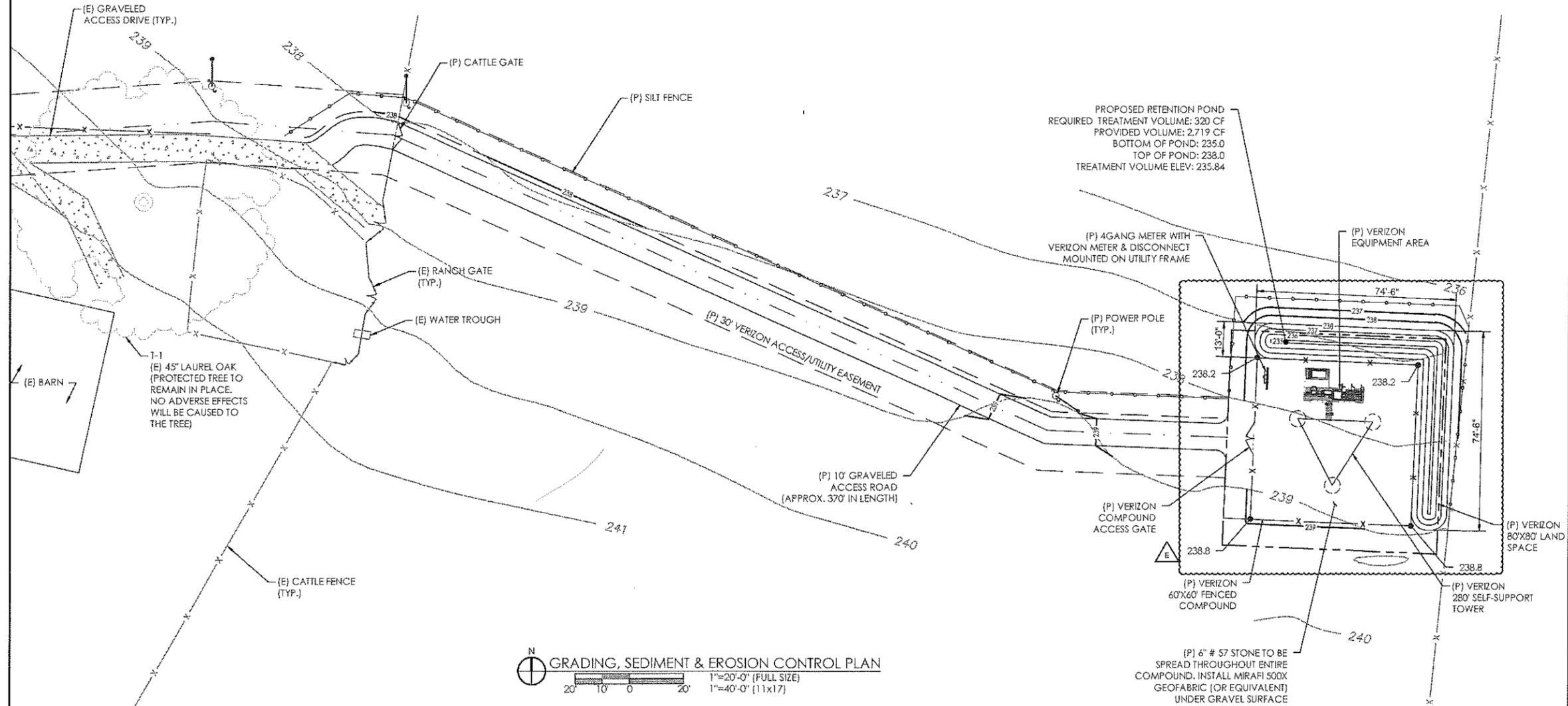
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NO HERITAGE TREES SHALL BE REMOVED. CERTIFIED ARBORIST NEEDS TO IDENTIFY ANY HERITAGE TREES.

TREES WITHIN LAND SPACE AND EASEMENT NEEDS TO BE CLEARED. ADDITIONAL TREE CLEARING REQUIRED NEEDED TO BRING UTILITIES.



LAMBERT

1762 WILMA ROAD
 MCDAVID, FL 32568

LOCATION CODE:
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DESIGNED: PUA
 DRAWN: PUA
 CHECKED: PWM

JOB #:
 20_V3N-036

**GRADING,
 SEDIMENT &
 EROSION CONTROL
 PLAN**

C-6

NOTES:

- THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
- ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.
- NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND THE ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.
- THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
- RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.
- ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/OR SOD.
- DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.
- CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
- THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (850) 595-3472. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/ APPROVAL.
- ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN OFF FROM THE COUNTY.
- THERE WILL BE NO IMPACT TO THE ADJACENT PROPERTIES OR DRAINAGE SYSTEMS FOR THE POST DEVELOPMENT CONDITIONS. THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHT-OF-WAY.
- NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W; 1-800-432-4770.

RIGHT-OF-WAY NOTES:

- WORK PROPOSED NEXT TO THE R/W WITH EXISTING SWALES SYSTEMS MAY REQUIRE ADDITIONAL PROVISIONS TO REPAIR / RESTORE EXISTING DRAINAGE SWALES AS NEEDED TO ENSURE ADEQUATE DRAINAGE. R/W SHOULDER STABILIZATION SHOULD BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.

DRAINAGE NOTES:

- THE SITE IS RELATIVELY FLAT. THERE IS MINIMUM GRADING PROPOSED ON THIS SITE TO MAINTAIN THE EXISTING DRAINAGE PATTERN -- THERE IS A LOCALIZED HIGH POINT ON THE SITE SOUTH OF THE COMPOUND/ACCESS DRIVE. RUNOFF FROM THE SITE DRAINS NORTH INTO THE PROPOSED RETENTION POND. A SWALE IS TO BE CONSTRUCTED NORTH OF THE ACCESS DRIVE TO DIVERT RUNOFF FROM THE ACCESS DRIVE TO THE RETENTION POND. ALL RUNOFF IS DESIGNED TO BE TREATED BY INFILTRATION THROUGH THE RETENTION POND. ANY EXCESS RUNOFF DURING HIGH STORM SITUATIONS MAINTAIN THE EXISTING DRAINAGE PATTERN, CONTINUING ACROSS AGRICULTURAL AREAS AND FORESTS TO THE NORTHEAST AND EVENTUALLY INTO THE PINE BARREN CREEK.

Proposed Conditions			
Description	Area (SF)	Area (AC)	CH
Contributing Drainage Area	31,248.9	7.170	NA
Proposed Disturbed Area	17,070	0.392	NA
Proposed Graveled Area (B)	7,863	0.181	85
Proposed Landscaped Area (B)	9,207	0.211	91
Undisturbed Upland Area (B)	25,908	0.570	85
Undisturbed Upland Area (C)	39,725	0.912	77

Proposed Routed Runoff Calculations (See Hydrology Studio Report)			
Description	Area (SF)	Area (AC)	CH
Proposed CH			69.81

Proposed Relative Areas			
Description	Area (SF)	Area (AC)	CH
Disturbed Area Relative to Drainage Area (Disturbed Area Only Considered)			5.44
Gravel Area Relative to Disturbed Area			3.25

Existing Conditions			
Description	Area (SF)	Area (AC)	CH
Contributing Drainage Area	31,248.9	7.170	NA
Undisturbed Upland Area (B)	25,908	0.570	85
Undisturbed Upland Area (C)	39,725	0.912	77

Existing Runoff Calculations			
Description	Area (SF)	Area (AC)	CH
Existing CH			74.51

PROPOSED SITE LOCATION:
 LATITUDE: 30° 54' 25.04" N (NAD83)
 LONGITUDE: -87° 24' 36.30" W (NAD83)
 GROUND ELEV: 238.1' AMSL (NAVD 88)

FLOOD PLAIN NOTE:
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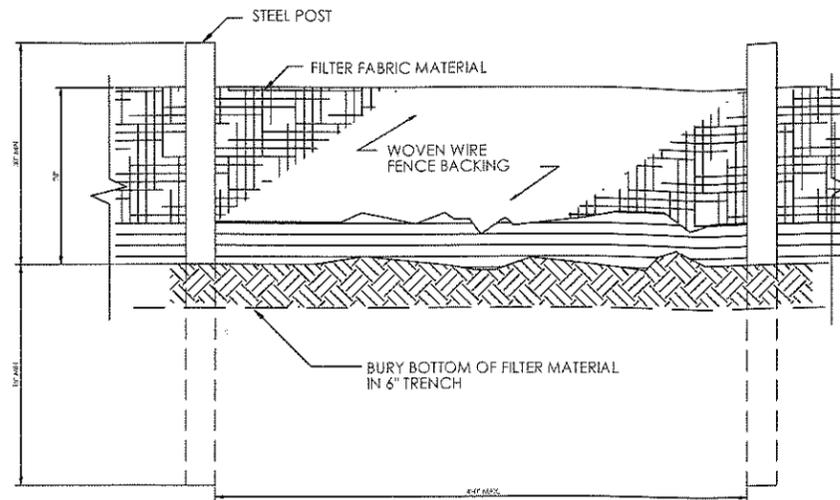
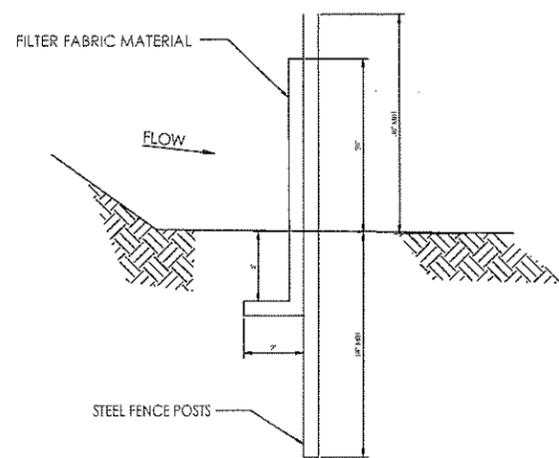
GRADING, SEDIMENT & EROSION CONTROL PLAN

C-6A

Recovery Time and Treatment Volume			
Site Data			
Drainage Area	=	7.170	AC
Impervious Area	=	0.181	AC
Percent Impervious	=	3	%
Offsite drainage area	=	6.78	AC
f	=	0.30	
K ₁₁	=	11.90	ft/day
FS	=	2.00	
l ₁	=	5.95	ft/day
Proposed Retentionbasin			
Stage (ft)	Area (ft ²)	Storage (ft ³)	
235.0	127.0	0	
236.0	633.0	380.00	
237.0	1163.0	1278.00	
238.0	1719.0	2719.00	
For 0.5" of runoff (Off Line Retention)			
Runoff	=	0.50	in
Total treatment volume	=	320.17	ft ³
Treatment Volume Elevation	=	225.84	ft
Treatment volume depth, h _v	=	0.84	ft
Height of water table to basin bottom	=	6.67	ft
Height of water to saturate the soil, h _s	=	2.0001	ft
h _v < h _s	→	NO Saturated Lateral Flow	
Stage One (V₁) Infiltration			
Pond Bottom Area	=	127.00	ft ²
Stage One Treatment Volume (V ₁)	=	320.17	ft ³
K ₁₁	=	7.933	ft/day
l ₁	=	3.967	ft/day
t ₁₁	=	0.212	day
Recovery Time			
Stage One Recovery Time	=	0.212	ft
Total Recovery Time	=	0.21	days
*Recovery Time for Treatment Volume			

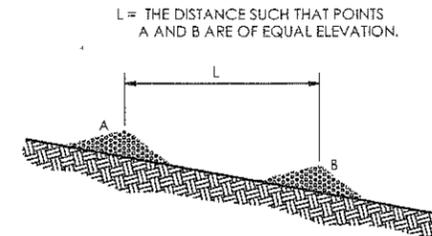


GRADING, SEDIMENT & EROSION CONTROL PLAN
 1" = 100'-0" (FULL SIZE)
 1" = 200'-0" (11x17)



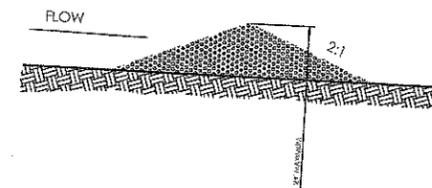
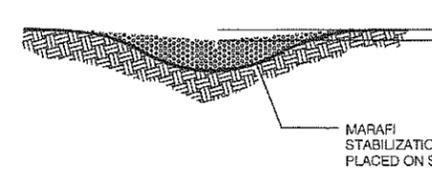
NOTE: USE 36" DOT APPROVED FABRIC
USE STEEL POSTS

SILT FENCE, TYPE-C



SPACING BETWEEN CHECK DAMS

STONE CHECK DAM



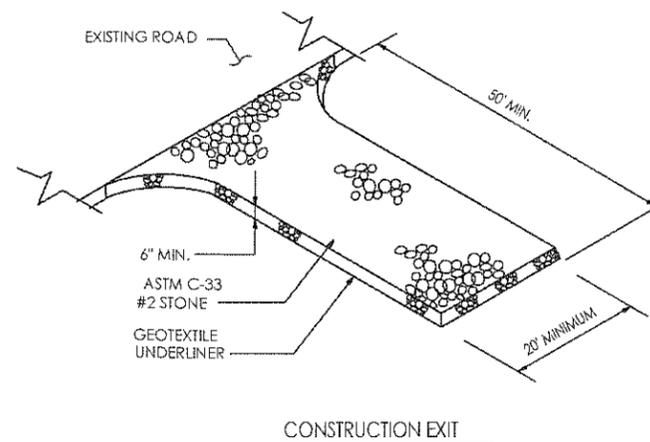
NOTES:

CHECK DAMS TO BE CONSTRUCTED OF GRADED SIZE 2 - 10 INCH STONE. MECHANICAL OR HAND PLACEMENT SHALL BE REQUIRED TO INSURE COMPLETE COVERAGE OF ENTIRE WIDTH OF DITCH OR SWALE AND THAT CENTER OF DAM IS LOWER THAN EDGES.

SEDIMENT TO BE REMOVED WHEN A LEVEL OF 1/2 THE ORIGINAL DAM HEIGHT OR LESS IS REACHED. REMOVE CHECK DAMS AT COMPLETION OF PROJECT AND TREAT RESULTING DISTURBED AREAS AS REQUIRED.

CHECK DAM

NOT TO SCALE



verizon

PM&A
P. MARSHALL & ASSOCIATES

LAMBERT

1762 WILMA ROAD
MCDAVID, FL 32568

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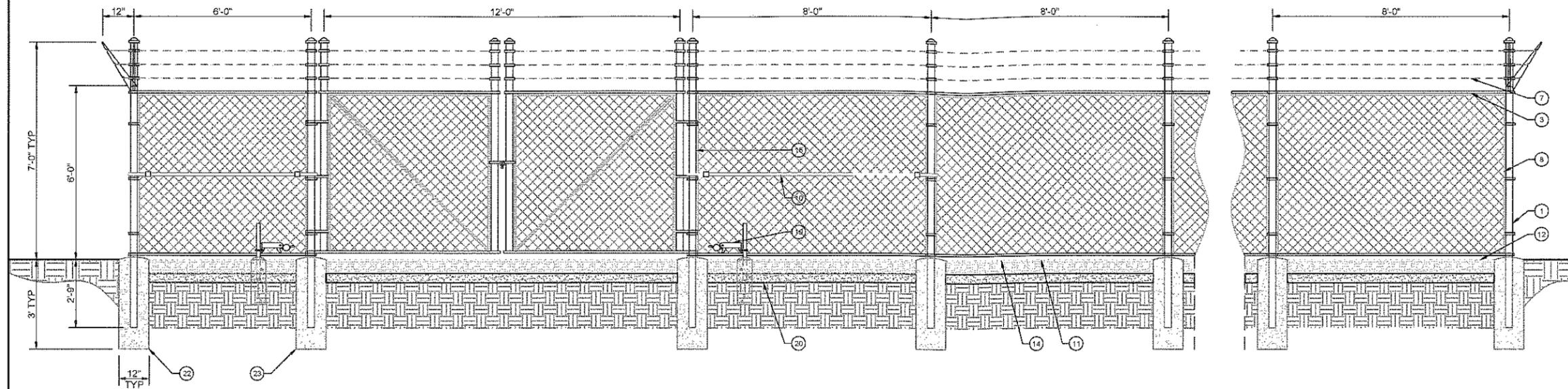
**GRADING,
SEDIMENT &
EROSION CONTROL
DETAILS**

C-7

LAMBERT

1762 WILMA ROAD
MCDAVID, FL 32568

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REFERENCE NOTES:

- | | |
|---|---|
| <ul style="list-style-type: none"> ① CORNER, END OR PULL POST 3" NOMINAL SCHEDULE 40 PIPE. ② LINE POST: 2 1/2" SCHEDULE 40 PIPE, PER ASTM-F1083. LINE POSTS SHALL BE EQUALLY SPACED AT MAXIMUM 8'-0" O.C. ③ TOP RAIL & BRACE RAIL: 1 1/2" PIPE, PER ASTM-F1083. ④ FABRIC: 9 GA CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392. ⑤ TIE WIRE: MINIMUM 11 GA GALVANIZED STEEL AT POSTS AND RAILS A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED MAX. 24" INTERVALS. ⑥ TENSION WIRE: 9 GA. GALVANIZED STEEL. 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 STRETCHER BAR. ⑨ 3/8" DIAGONAL ROD WITH GALVANIZED STEEL TURNBUCKLE OR DIAGONAL THREADED ROD. ⑩ FENCE CORNER POST BRACE: 1 5/8" DIA. EACH CORNER EACH WAY. ⑪ 1 1/2" MAXIMUM CLEARANCE FROM GRADE. | <ul style="list-style-type: none"> ⑫ 2" FINISH OR AS DETERMINED BY CONSTRUCTION MANAGER DURING BID WALK. ⑬ 4" COMPACTED 95% BASE MATERIAL OR AS DETERMINED BY CONSTRUCTION MANAGER DURING BID WALK. ⑭ FINISH GRADE SHALL BE UNIFORM AND LEVEL. ⑮ GATE POST 4". SCHEDULE 40 PIPE, FOR GATE WIDTHS UP THRU 7 FEET OR 14 FEET FOR DOUBLE SWING GATE, PER ASTM-F1083. ⑯ GATE FRAME: 1 1/2" PIPE, PER ASTM-F1083. ⑰ GATE FRAME: 1 5/8" DIAMETER PIPE, PER ASTM-F1083 ⑱ GATE DIAGONAL GALVANIZED STEEL 1 1/2" PIPE. ⑲ DUCK BILL OPEN GATE HOLDER. VERIFY LOCATION IN FIELD PRIOR TO INSTALLATION. ⑳ GEOTEXTILE FABRIC ㉑ LINE POST: CONCRETE FOUNDATION (2000 PSI) ㉒ CORNER POST: CONCRETE FOUNDATION (2000 PSI) ㉓ GATE POST: CONCRETE FOUNDATION (2000 PSI) |
|---|---|

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 1 1/2" GALV. (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.

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