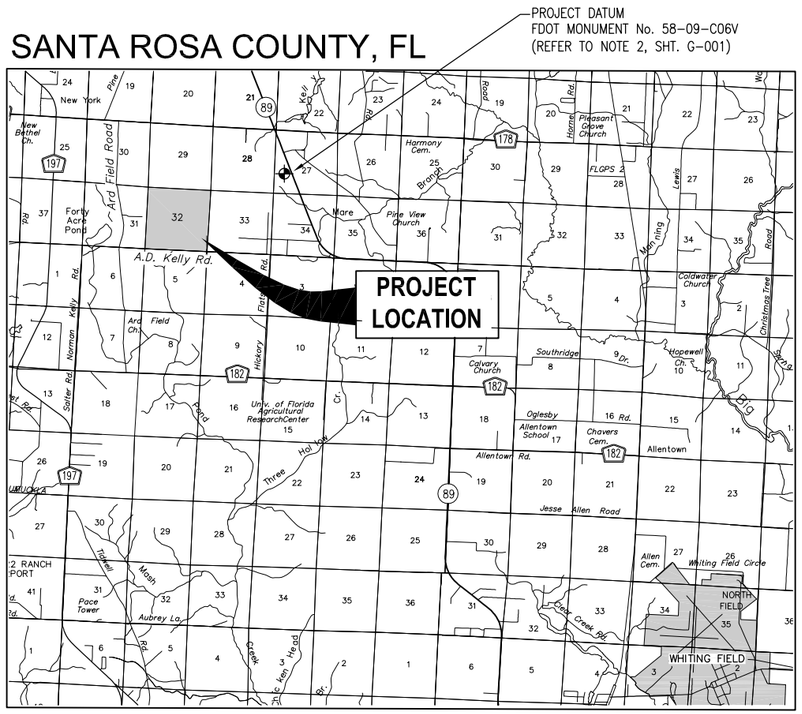
CONSTRUCTION PLANS
FOR
OLF-X
PHASE I I - AIRFIELD

SANTA ROSA COUNTY, FL



VICINITY MAP
NOT TO SCALE

PREPARED FOR

ESCAMBIA COUNTY • FLORIDA

ESCAMBIA COUNTY

BDI PROJECT No. 25898.04
JANUARY 2018

PREPARED BY

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions

449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340

Pensacola - Panama City Beach - Tallahassee - Mobile

INDEX

RELEASED FOR BID
NOT RELEASED FOR CONSTRUCTION

GENERAL NOTES:

1. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING.

2. ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON FLORIDA DEPARTMENT OF TRANSPORTATION MONUMENT NO. 58-09-C06V, ELEVATION 196.11 FEET.

3. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES INCLUDING, BUT NOT LIMITED TO, WATER LINES, BURIED TELEPHONE LINES, BURIED ELECTRICAL LINES AND GAS MAINS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANIES FOR REMOVAL AND/OR RELOCATION OF EXISTING UTILITY POLES, AERIAL LINES, BURIED CABLE AND OTHER UTILITIES.

4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS. THESE DRAWINGS REPRESENT KNOWN STRUCTURES AND UTILITIES LOCATED IN THE PROJECT AREA. THE CONTRACTOR IS CAUTIONED THAT OTHER STRUCTURES AND UTILITIES, ABOVE OR BELOW GROUND, MAY BE ENCOUNTERED DURING THE COURSE OF THE PROJECT. THE CONTRACTOR SHOULD NOTIFY THE UTILITY, THEN THE ENGINEER, IMMEDIATELY UPON ENCOUNTERING ANY UNEXPECTED STRUCTURE, UTILITY LINE, OR OTHER UNUSUAL CONDITION. EXISTING CONDITIONS ARE BASED ON SURVEYS BY BASKERVILLE-DONOVAN, INC.

5. CONTRACTOR SHALL SAFETY-BARRICADE ALL EXCAVATIONS AND OTHER HAZARDS.

6. THE CONTRACTOR SHALL EMPLOY THE USE OF SILT FENCES, HAY BALES, DITCHES OR WHATEVER MEANS NECESSARY TO CONTROL EROSION AND SEDIMENTATION AT ALL TIMES. WATERS OF THE STATE, ADJACENT PROPERTIES, AND ANY NEW DRAINAGE CONSTRUCTION SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND SHALL REMAIN UNTIL THE COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY THE OWNER.

7. ADEQUATE PROVISIONS SHALL BE MADE FOR THE FLOW OF SEWERS, DRAINS, WATER COURSES AND OTHER UTILITIES OR NATURAL FEATURES ENCOUNTERED DURING CONSTRUCTION.

8. THE CONTRACTOR IS ADVISED THAT THE EXISTING TREES LOCATED IN THE NORTHWEST CORNER OF THE SITE ARE INTEGRAL TO THE AIRFIELD TRAINING COURSE AND THE "CAL ZONE" (CONFINED AREA LANDING ZONE). ANY WORK UNDER THIS CONTRACT IN THE VICINITY OF THIS ZONE SHALL BE IN ACCORDANCE WITH THE TREE PROTECTION ZONE SHOWN ON SHEET C-211 AND THE REQUIREMENTS SET FORTH IN THE PROJECT SPECIFICATIONS.

9. THE CONTRACTOR IS TO REPLACE TO EXISTING CONDITIONS OR BETTER ANY FENCES, SPRINKLER SYSTEMS, TREES AND SHRUBS, MAINTAINED FLOWER BEDS, OR OTHER EXISTING IMPROVEMENTS IMPACTED DURING CONSTRUCTION, WHETHER DEPICTED IN THE PLANS OR NOT.

10. DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE CONTRACTOR PRIOR TO FINAL "AS-BUILT" SIGN-OFF FROM THE COUNTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY OFF-STE FACILITY OR IMPROVEMENT DAMAGED BY CONSTRUCTION UNDER THIS CONTRACT. DAMAGED FACILITIES SHALL BE RETURNED TO PRE-CONSTRUCTION CONDITION TO THE SATISFACTION OF THE COUNTY.

11. THE CONTRACTOR IS ADVISED THAT THE PROJECT SITE IS LOCATED IN SANTA ROSA COUNTY, FL. THE CONTRACTING AGENCY FOR ALL WORK INCLUDED HEREIN IS ESCAMBIA COUNTY, FL. UNLESS INDICATED OTHERWISE, THE TERM "COUNTY" REFERS TO ESCAMBIA COUNTY, FL., AND IT'S AUTHORIZED AGENT OR REPRESENTATIVE. REFER TO PROJECT SPECIFICATIONS FOR COMPLETE DEFINITIONS OF THE TERMS USED HEREIN.

LEGEND:

- SECTION LINE
- PROPERTY LINE
- PARCEL LINE
- EXISTING DIRT ROAD
- EXISTING PAVED ROAD
- EASEMENT LINE
- TREE LINE
- EXISTING CONTOUR LINE (200)
- FINISHED CONTOUR LINE (210)
- SILT FENCE
- WOOD POST FENCE
- ORANGE SAFETY FENCE
- EXISTING OVERLAND FLOW PATH
- INSIDE BUFFER
- FINISHED SPOT ELEVATION (201.00)
- WETLANDS
- TEMPORARY SEDIMENT BASIN
- CONSTRUCTION LAYDOWN AREA
- UNDEVELOPED AREA TO REMAIN UNDISTURBED

SYMBOLS

- SECTION CORNER
- PROPERTY CORNER
- BENCH MARK
- B-1 BORING
- PROPOSED OVERLAND FLOW ARROW
- 3:1 PROPOSED OVERLAND SLOPE ARROW W/DIMENSION
- 3:1 PROPOSED POND/SWALE EMBANKMENT W/DIMENSION

ABBREVIATIONS:

AC	ACRES
ACOE	ARMY CORP OF ENGINEERS
AG	AGRICULTURE
B	BORING
BM	BENCH MARK
CAL	CONFINED AREA LANDING
EL	ELEVATION
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FFE	FINISHED FLOOR ELEVATION
NVD	NIGHT VISION DEVICE
PLZ	PINNACLE LANDING ZONE
R/W	RIGHT OF WAY
TBM	TEMPORARY BENCH MARK
TYP	TYPICAL

PHASED CONSTRUCTION NOTES:

1. CONSTRUCTION ASSOCIATED WITH THE DEVELOPMENT IS SCHEDULED TO TAKE PLACE IN TWO PHASES: PHASE I – EARTHWORK AND PHASE II – AIRFIELD. THIS PLAN SET DEPICTS THE WORK INCLUDED AS PART OF THE PHASE II – AIRFIELD CONTRACT AND ASSUMES THE WORK INCLUDED IN THE PHASE I – EARTHWORK CONTRACT IS COMPLETE. WORK SHOWN IN THIS PLAN SET FOR REFERENCE THAT IS PART OF PHASE I –EARTHWORK CONTRACT SHALL BE LABELED AS "NOT IN THIS CONTRACT."

2. THE INTENT OF THE PHASE II – AIRFIELD IS TO CONSTRUCT ALL OF THE AIRFIELD HARDSCAPES (ASPHALT, CONCRETE, GRAVEL, ETC), BUILDINGS, UTILITIES, AND OTHER INCIDENTALS TO COMPLETE CONSTRUCTION OF THE DEVELOPMENT.

3. THE PHASE I – EARTHWORK CONTRACT GENERALLY INCLUDED CLEARING AND CRUBBING, EARTHWORK TO ESTABLISH FINISHED GRADE, GRASSING, AND INSTALLATION OF THE PERIMETER FENCE. THE PHASE II – AIRFIELD CONTRACTOR SHALL SUBMIT A PLAN TO THE ENGINEER TO COMPLETE THE WORK WHILE MINIMZING DISTURBANCE OF ESTABLISHED GRASSING. SILT FENCE SHALL BE CONSTRUCTED AROUND AREAS NOT TO BE DISTURBED TO PREVENT DEMOLITION OF ESTABLISHED GRASSING.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: MBW
DRAWN BY: RGG
CHK'D BY:
PROJ. MGR: MDL
DATE: JAN 2018

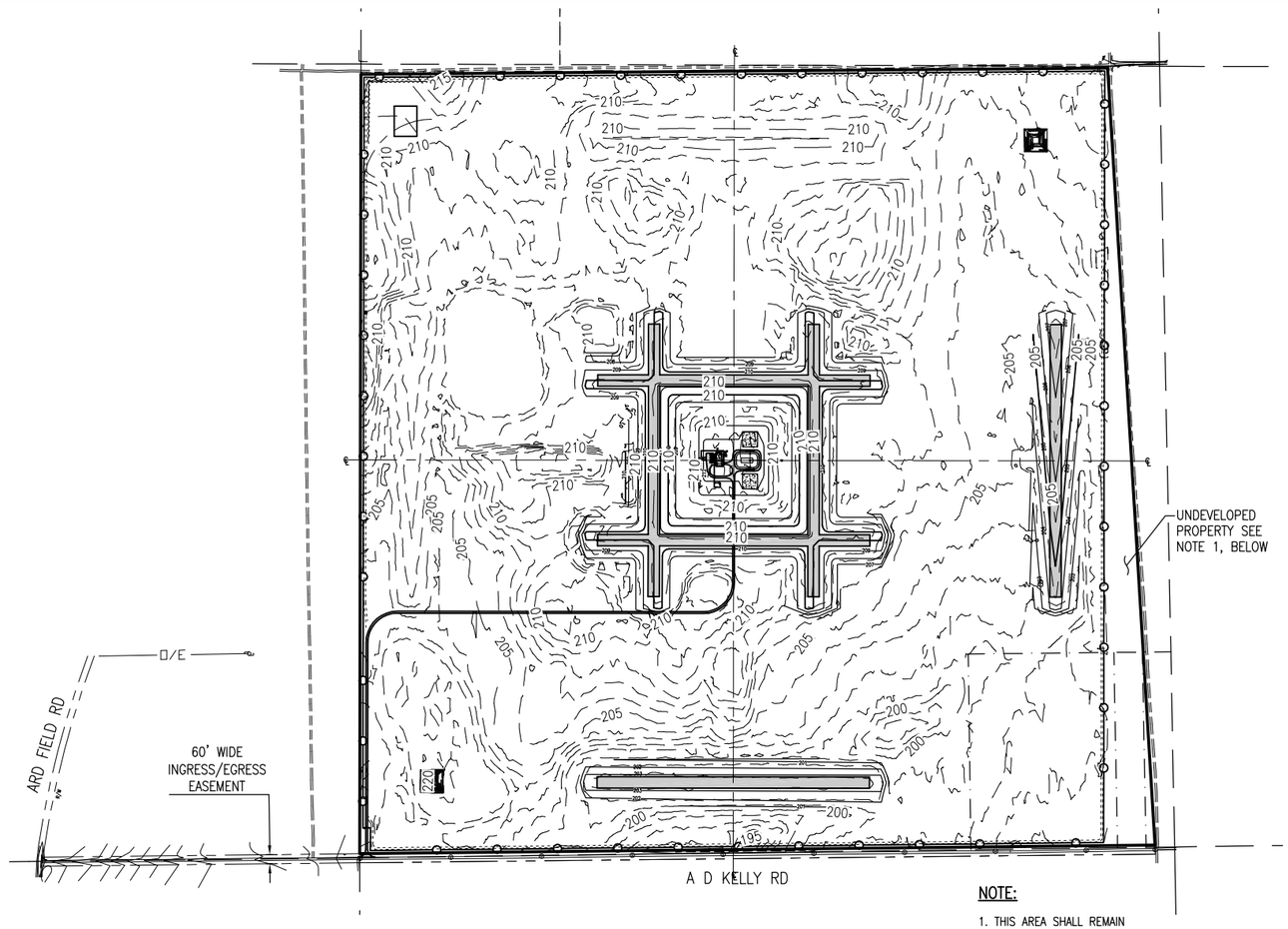
NOT RELEASED FOR CONSTRUCTION BY DATE / /

GENERAL NOTES & LEGEND

G-001

PROJECT LOCATION MAP

NOT TO SCALE



OVERALL PLAN

SCALE: 1" = 500' 0 250' 500' 1000'

NOTE:

1. THIS AREA SHALL REMAIN UNDISTURBED.

PROPERTY DESCRIPTION

(AS PREPARED BY BASKERVILLE-DONOVAN, INC.)

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 32, TOWNSHIP 4 NORTH, RANGE 29 WEST, SANTA ROSA COUNTY, FLORIDA; THENCE PROCEED NORTH 03 DEGREES 36 MINUTES 35 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION 32 A DISTANCE OF 27.49 FEET TO A POINT ON THE NORTH LINE OF A 60 FOOT WIDE INGRESS/EGRESS EASEMENT AND BEING THE POINT OF BEGINNING; THENCE CONTINUE NORTH 03 DEGREES 36 MINUTES 35 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION A DISTANCE OF 5148.00 FEET; THENCE DEPARTING SAID WEST LINE, PROCEED SOUTH 86 DEGREES 57 MINUTES 44 SECONDS EAST A DISTANCE OF 4934.66 FEET; THENCE PROCEED SOUTH 00 DEGREES 01 MINUTES 43 SECONDS WEST A DISTANCE OF 5142.00 FEET TO THE NORTH LINE OF THE AFORESAID 60 FOOT INGRESS/EGRESS EASEMENT; THENCE PROCEED NORTH 87 DEGREES 06 MINUTES 07 SECONDS WEST ALONG SAID NORTH LINE A DISTANCE OF 5256.00 FEET TO THE POINT OF BEGINNING.

LYING IN AND BEING A PORTION OF SECTION 32, TOWNSHIP 4 NORTH, RANGE 29 WEST, SANTA ROSA COUNTY AND CONTAINING 601.41 ACRES MORE OR LESS.

DESCRIPTION – 60 FOOT WIDE PERPETUAL NON-EXCLUSIVE INGRESS/EGRESS EASEMENT

(AS PREPARED BY BASKERVILLE-DONOVAN, INC.)

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 32, TOWNSHIP 4 NORTH, RANGE 29 WEST, SANTA ROSA COUNTY, FLORIDA; THENCE PROCEED NORTH 03 DEGREES 36 MINUTES 35 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION 32 A DISTANCE OF 27.49 FEET TO A POINT ON THE NORTH LINE OF A 60 FOOT WIDE INGRESS/EGRESS EASEMENT, LYING 30 FEET NORTH OF THE CENTER LINE OF A D KELLY ROAD AND BEING THE POINT OF BEGINNING; THENCE DEPARTING THE WEST LINE OF SAID SECTION, PROCEED SOUTH 87 DEGREES 06 MINUTES 07 SECONDS EAST ALONG THE NORTH LINE OF SAID EASEMENT A DISTANCE OF 5256.00 FEET TO A POINT ON THE EAST LINE OF SAID EASEMENT; THENCE PROCEED SOUTH 02 DEGREES 53 MINUTES 53 SECONDS WEST ALONG SAID EAST LINE A DISTANCE OF 60.00 FEET TO A POINT ON THE SOUTH LINE OF SAID EASEMENT; THENCE PROCEED NORTH 87 DEGREES 06 MINUTES 07 SECONDS WEST ALONG SAID SOUTH LINE A DISTANCE OF 5255.89 FEET; THENCE PROCEED NORTH 87 DEGREES 05 MINUTES 40 SECONDS WEST ALONG SAID SOUTH LINE A DISTANCE OF 2098.37 FEET TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF ARD FIELD ROAD (40' COUNTY MAINTAINED RIGHT-OF-WAY), SAID POINT BEING ON A CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 1955.00 FEET, A CENTRAL ANGLE OF 01 DEGREES 45 MINUTES 58 SECONDS AND A CHORD BEARING AND DISTANCE OF NORTH 08 DEGREES 16 MINUTES 27 SECONDS EAST, 60.26 FEET; THENCE PROCEED NORTHERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 60.26 FEET TO A POINT ON THE NORTH LINE OF SAID EASEMENT; THENCE PROCEED SOUTH 87 DEGREES 05 MINUTES 40 SECONDS EAST ALONG SAID NORTH LINE A DISTANCE OF 2092.62 FEET TO THE POINT OF BEGINNING.

LYING IN AND BEING A PORTION OF SECTIONS 31 AND 32, TOWNSHIP 4 NORTH, RANGE 29 WEST AND SECTIONS 5 AND 6, TOWNSHIP 3 NORTH, RANGE 29 WEST, SANTA ROSA COUNTY, FLORIDA AND CONTAINING 10.13 ACRES MORE OR LESS.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LINKSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY:
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE / /

OVERALL PLAN

G-002

ADJACENT PARCEL DATA

4 PARCEL ID: 32-4N-29-0000-00101-0000
OWNER: RMS TIMBERLAND LLC
ADDRESS: 5605 WOODBINE RD, PACE, FLORIDA 32571
ZONING: AG2
LU: TIMBERLAND
FLU: AG

5 PARCEL ID: 30-4N-29-0000-00600-0000
OWNER: RMS TIMBERLAND LLC
ADDRESS: 5605 WOODBINE RD, PACE, FLORIDA 32571
ZONING: AG2
LU: TIMBERLAND
FLU: AG

6 PARCEL ID: 29-4N-29-0000-00500-0000
OWNER: STEWART WALTER L DDSPC PROFIT SHARING & TRUST
ADDRESS: 2085 GREENWOOD ST, LA GRANGE, GEORGIA 30240
ZONING: AG
LU: CROPLAND
FLU: AG

7 PARCEL ID: 29-4N-29-0000-00100-0000
OWNER: RMS TIMBERLAND LLC
ADDRESS: 5605 WOODBINE RD, PACE, FLORIDA 32571
ZONING: AG2
LU: TIMBERLAND
FLU: AG

8 PARCEL ID: 28-4N-29-0000-00102-0000
OWNER: RMS TIMBERLAND LLC
ADDRESS: 5605 WOODBINE RD, PACE, FLORIDA 32571
ZONING: AG2
LU: TIMBERLAND
FLU: AG

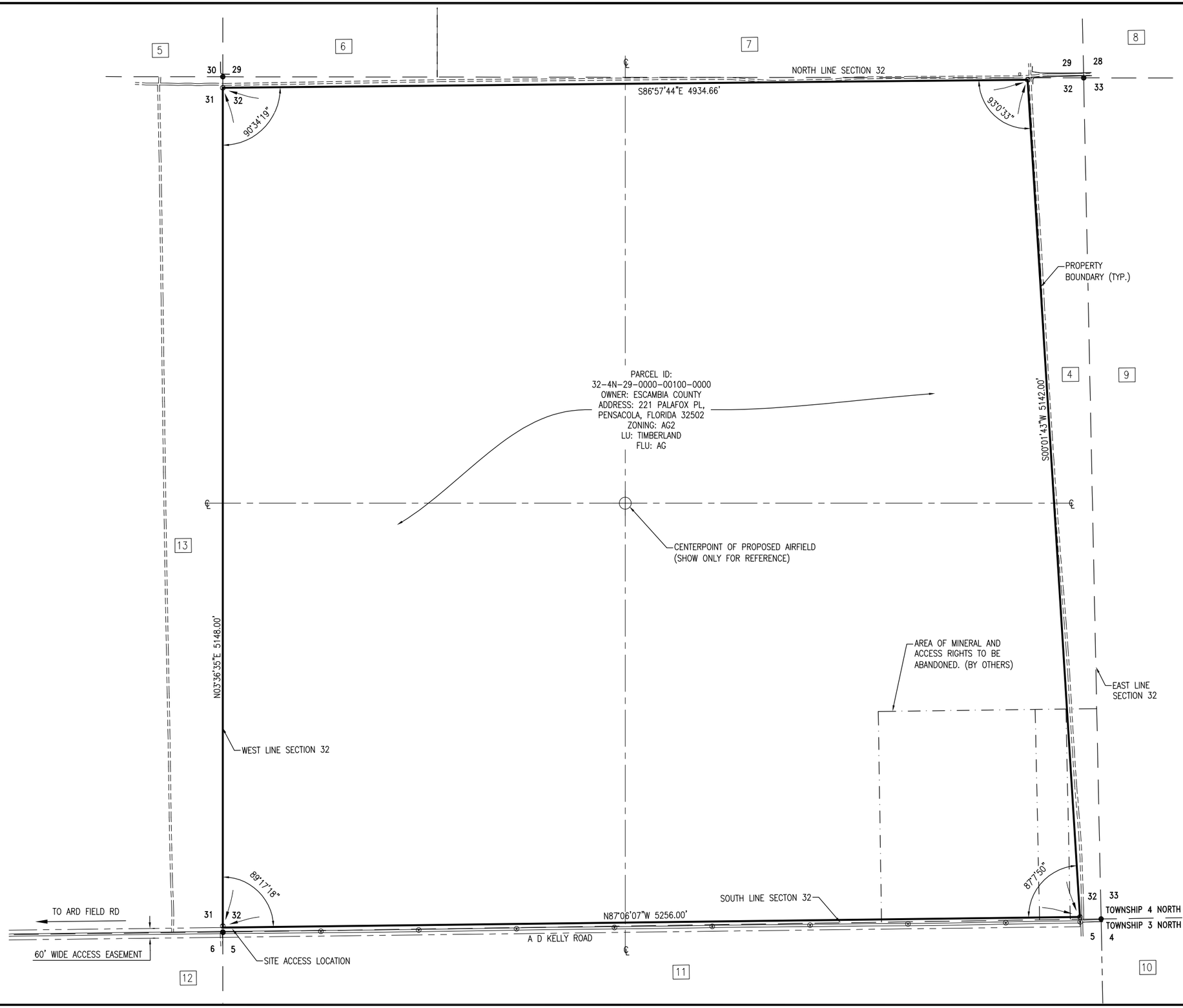
9 PARCEL ID: 33-4N-29-0000-00100-0000
OWNER: RMS TIMBERLAND LLC
ADDRESS: 5605 WOODBINE RD, PACE, FLORIDA 32571
ZONING: AG2
LU: TIMBERLAND
FLU: AG

10 PARCEL ID: 4-3N-29-0000-00100-0000
OWNER: RMS TIMBERLAND LLC
ADDRESS: 5605 WOODBINE RD, PACE, FLORIDA 32571
ZONING: AG2
LU: TIMBERLAND
FLU: AG

11 PARCEL ID: 5-3N-29-0000-00100-0000
OWNER: RMS TIMBERLAND LLC
ADDRESS: 5605 WOODBINE RD, PACE, FLORIDA 32571
ZONING: AG2
LU: TIMBERLAND
FLU: AG

12 PARCEL ID: 6-3N-29-0000-00100-0000
OWNER: RMS TIMBERLAND LLC
ADDRESS: 5605 WOODBINE RD, PACE, FLORIDA 32571
ZONING: AG2
LU: TIMBERLAND
FLU: AG

13 PARCEL ID: 31-4N-29-0000-00100-0000
OWNER: RMS TIMBERLAND LLC
ADDRESS: 5605 WOODBINE RD, PACE, FLORIDA 32571
ZONING: AG2
LU: TIMBERLAND
FLU: AG



BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

NOT RELEASED FOR CONSTRUCTION BY _____ DATE ____/____/____

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

PARCEL PLAN

G-003

G:\DWG\258\25898.04 OLF-X-ESDC\DWG\OLF-X\Sitework\G-003 Parcel Plan.dwg, Jan 26, 2018 - 11:29:11AM, rgeiger

0 150' 300' 600'

SCALE: 1" = 300'

BENCH MARK SUMMARY

BM #1
SET ALLOY CAPPED IRON ROD NO. 0340
ELEVATION: 202.14

BM #2
SET ALLOY CAPPED IRON ROD NO. 0340
ELEVATION: 209.49

BM #3
CONCRETE MONUMENT SET
ELEVATION: 207.06

BM #4
CONCRETE MONUMENT SET
ELEVATION: 209.12

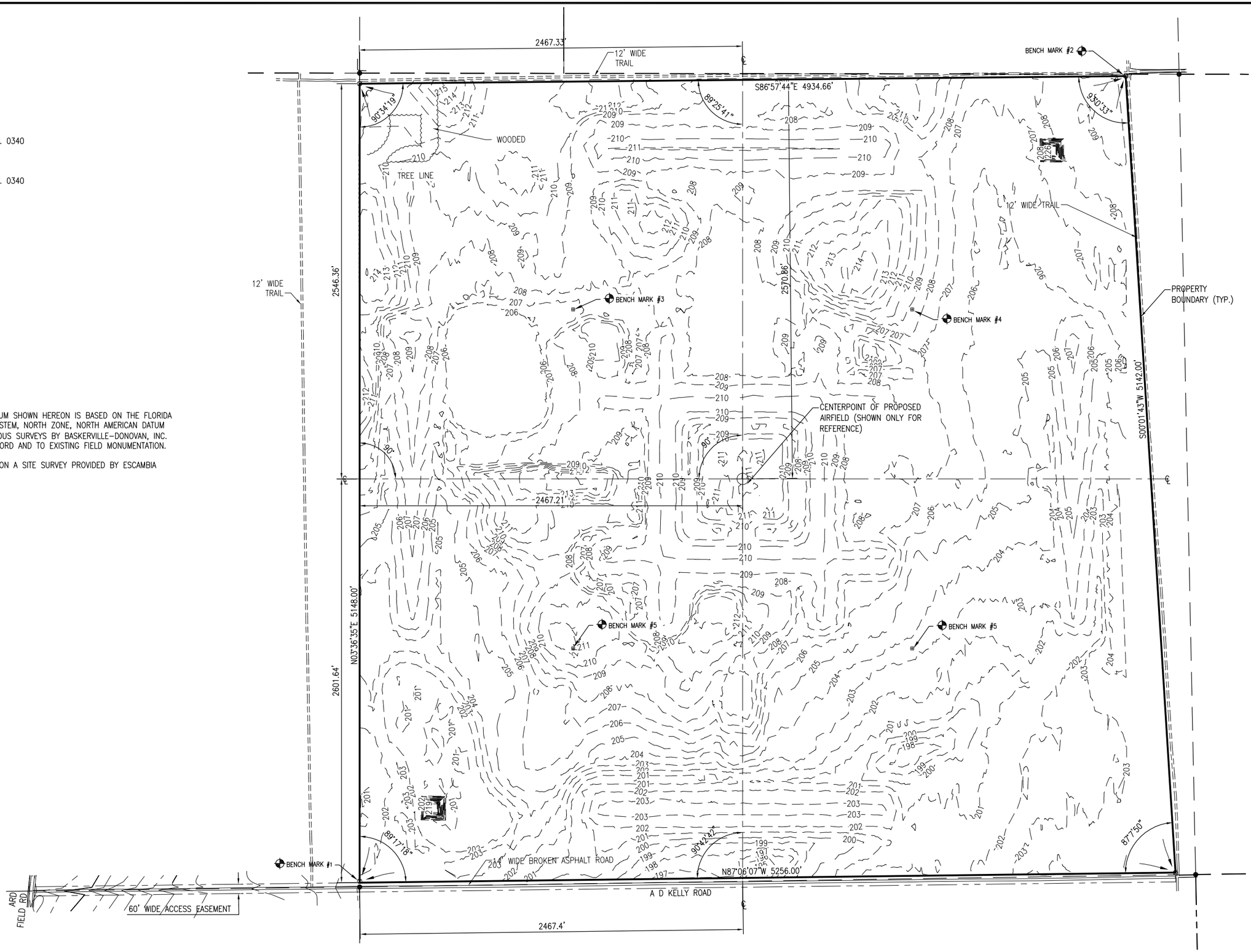
BM #5
CONCRETE MONUMENT SET
ELEVATION: 203.78

BM #6
CONCRETE MONUMENT SET
ELEVATION: 211.51

NOTES:

1. NORTH AND THE SURVEY DATUM SHOWN HEREON IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83), TO PREVIOUS SURVEYS BY BASKERVILLE-DONOVAN, INC. AND OTHERS, DEEDS OF RECORD AND TO EXISTING FIELD MONUMENTATION.

2. EXISTING CONDITIONS BASED ON A SITE SURVEY PROVIDED BY ESCAMBIA COUNTY JANUARY 2018.



BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LINKSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE / /

EXISTING CONDITIONS

C-100

G:\DWG\258\25898.04 OLF-X-ESDC\DWG\OLF-X\Sitework\C-100 ExCond.dwg, Jan 26, 2018 - 11:29:17AM, rgeiger

0 150' 300' 600'

SCALE: 1" = 300'

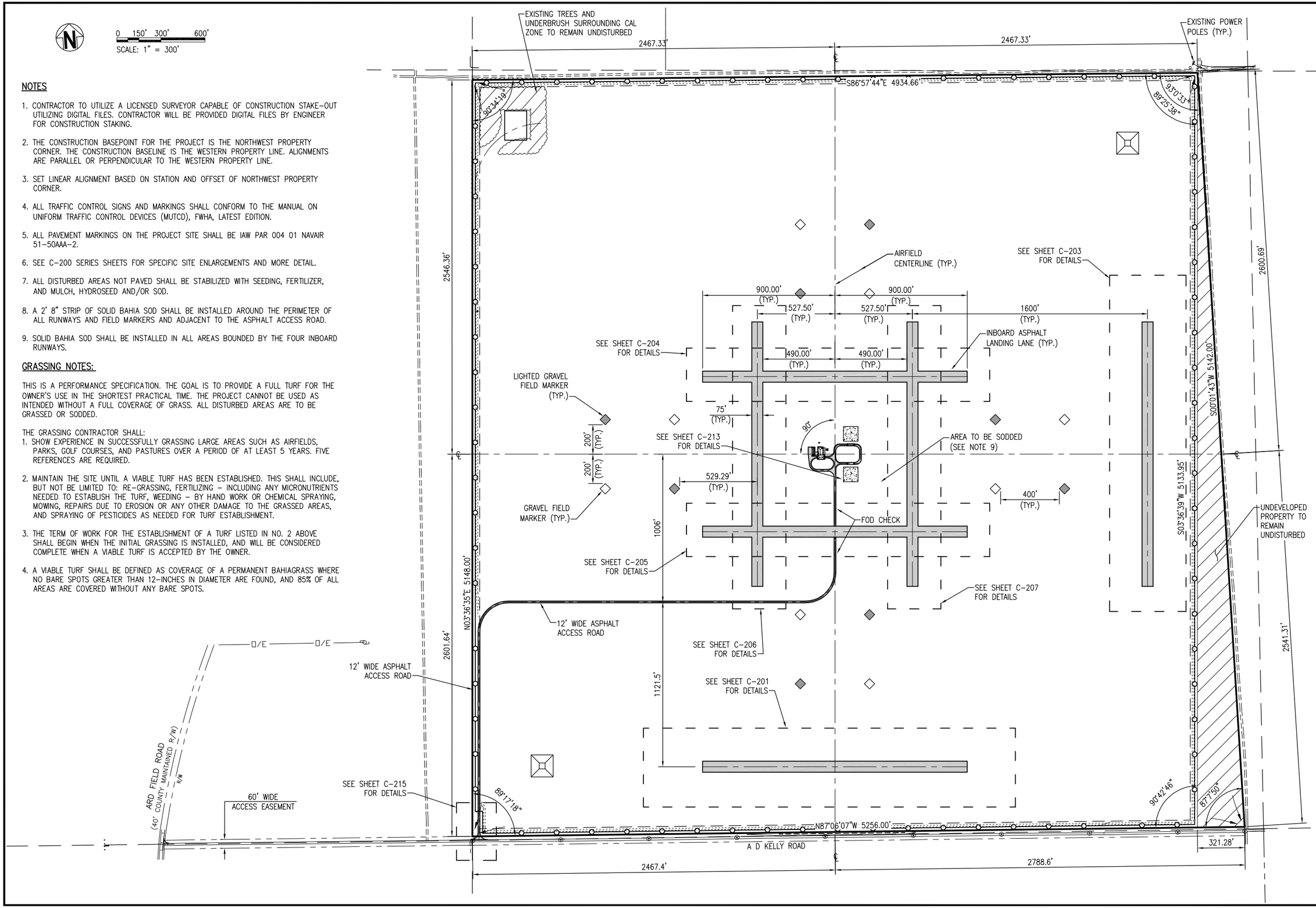
NOTES

1. CONTRACTOR TO UTILIZE A LICENSED SURVEYOR CAPABLE OF CONSTRUCTION STAKE-OUT UTILIZING DIGITAL FILES. CONTRACTOR WILL BE PROVIDED DIGITAL FILES BY ENGINEER FOR CONSTRUCTION STAKING.
2. THE CONSTRUCTION BASEPOINT FOR THE PROJECT IS THE NORTHWEST PROPERTY CORNER. THE CONSTRUCTION BASELINE IS THE WESTERN PROPERTY LINE. ALIGNMENTS ARE PARALLEL OR PERPENDICULAR TO THE WESTERN PROPERTY LINE.
3. SET LINEAR ALIGNMENT BASED ON STATION AND OFFSET OF NORTHWEST PROPERTY CORNER.
4. ALL TRAFFIC CONTROL SIGNS AND MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FWHA, LATEST EDITION.
5. ALL PAVEMENT MARKINGS ON THE PROJECT SITE SHALL BE IAW PAR 004 01 NAVAIR 51-50AAA-2.
6. SEE C-200 SERIES SHEETS FOR SPECIFIC SITE ENLARGEMENTS AND MORE DETAIL.
7. ALL DISTURBED AREAS NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER, AND MULCH, HYDROSEED AND/OR SOD.
8. A 2' 8" STRIP OF SOLID BAHIA SOD SHALL BE INSTALLED AROUND THE PERIMETER OF ALL RUNWAYS AND FIELD MARKERS AND ADJACENT TO THE ASPHALT ACCESS ROAD.
9. SOLID BAHIA SOD SHALL BE INSTALLED IN ALL AREAS BOUNDED BY THE FOUR INBOARD RUNWAYS.

GRASSING NOTES:

THIS IS A PERFORMANCE SPECIFICATION. THE GOAL IS TO PROVIDE A FULL TURF FOR THE OWNER'S USE IN THE SHORTEST PRACTICAL TIME. THE PROJECT CANNOT BE USED AS INTENDED WITHOUT A FULL COVERAGE OF GRASS. ALL DISTURBED AREAS ARE TO BE GRASSED OR SODDED.

THE GRASSING CONTRACTOR SHALL:
1. SHOW EXPERIENCE IN SUCCESSFULLY GRASSING LARGE AREAS SUCH AS AIRFIELDS, PARKS, GOLF COURSES, AND PASTURES OVER A PERIOD OF AT LEAST 5 YEARS. FIVE REFERENCES ARE REQUIRED.
2. MAINTAIN THE SITE UNTIL A VIABLE TURF HAS BEEN ESTABLISHED. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: RE-GRASSING, FERTILIZING - INCLUDING ANY MICRONUTRIENTS NEEDED TO ESTABLISH THE TURF, WEEDING - BY HAND WORK OR CHEMICAL SPRAYING, MOWING, REPAIRS DUE TO EROSION OR ANY OTHER DAMAGE TO THE GRASSED AREAS, AND SPRAYING OF PESTICIDES AS NEEDED FOR TURF ESTABLISHMENT.
3. THE TERM OF WORK FOR THE ESTABLISHMENT OF A TURF LISTED IN NO. 2 ABOVE SHALL BEGIN WHEN THE INITIAL GRASSING IS INSTALLED, AND WILL BE CONSIDERED COMPLETE WHEN A VIABLE TURF IS ACCEPTED BY THE OWNER.
4. A VIABLE TURF SHALL BE DEFINED AS COVERAGE OF A PERMANENT BAHIAGRASS WHERE NO BARE SPOTS GREATER THAN 12-INCHES IN DIAMETER ARE FOUND, AND 85% OF ALL AREAS ARE COVERED WITHOUT ANY BARE SPOTS.



BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: MBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE / /

SITE PLAN

C-111

0 150' 300' 600'

SCALE: 1" = 300'

NOTES

1. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE THE EXACT POINT OF SERVICE CONNECTION AT THE EXISTING UTILITY. REFER TO THE BUILDING ARCHITECTURAL, ELECTRICAL AND PLUMBING DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CIRCUITING.
2. CONTRACTOR SHALL COORDINATE UTILITY SERVICES WITH THE BUILDING PLANS.
3. PROPOSED UTILITIES ARE SHOWN IN SCHEMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED TO ALLOW FOR THE MOST ECONOMICAL DESIGN.
4. ALL UTILITY INSPECTORS SHALL BE NOTIFIED 48 HOURS PRIOR TO START OF CONSTRUCTION ACTIVITIES.
5. CONTRACTOR SHALL COORDINATE LOCAL UTILITIES OUTLINED ON THIS SHEET.
6. UTILITIES INSTALLED ACROSS AIRFIELD SHALL POSSESS NO VERTICAL IMPEDIMENTS (NO EXCEPTIONS). CONTRACTOR SHALL MAINTAIN 3' SEPARATION (MIN.) BETWEEN UNDERGROUND ELECTRICAL AND COMMUNICATION LINES.
7. CONTRACTOR TO INSTALL AVIATION SAFETY BALLS ON ALL AERIAL POWER LINES WITHIN 300' OF AIRFIELD BOUNDARY.
8. ALL EXPOSED WATER PIPES SHALL HAVE FREEZE PROTECTION.
9. SEE C-200 SERIES SHEETS FOR SPECIFIC SITE ENLARGEMENTS AND MORE DETAIL.

UTILITY CONTACT INFORMATION

ESCAMBIA RIVER ELECTRIC COOPERATIVE
CONTACT: ALEX SCALLION
3425 STATE ROAD 4
JAY, FL 32535
850-675-4521

FLORIDA DEPARTMENT OF HEALTH
CONTACT:
5527 STEWART ST.
MILTON, FL 32572
850-983-5275

AT&T
CONTACT: DANIEL CALLINS
3196 HWY 280 E. S16
BIRMINGHAM, AL 35243
850-206-4425

EXISTING TREES AND UNDERBRUSH SURROUNDING CAL ZONE TO REMAIN UNDISTURBED

EXISTING OVERHEAD ELECTRICAL LINES

SEE SHEET C-214 FOR INFORMATION ON POTABLE WATER AND SANITARY SEWER CONNECTIONS

STORMWATER MANAGEMENT AREA 1

STORMWATER MANAGEMENT AREA 2

STORMWATER MANAGEMENT AREA 5

UNDERGROUND ELECTRICAL AND COMMUNICATION SERVICE LINES. SEE ELECTRICAL PLANS FOR MORE DETAIL.

BT BTU/E BT BT U/E BT BT

150' (MIN.)

FIRE STATION BUILDING

UNDERGROUND ELECTRICAL CONDUIT

UNDEVELOPED PROPERTY TO REMAIN UNDISTURBED

STORMWATER MANAGEMENT AREA 4

STORMWATER MANAGE AREA 3

O/E O/E

ARD FIELD ROAD (40' COUNTY MAINTAINED R/W)

AIRFIELD ENTRANCE

CONVERSION POINT FROM OVERHEAD POWER TO UNDERGROUND POWER

OVERHEAD ELECTRIC

O/E O/E O/E O/E O/E O/E O/E O/E

A D KELLY ROAD

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANKSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

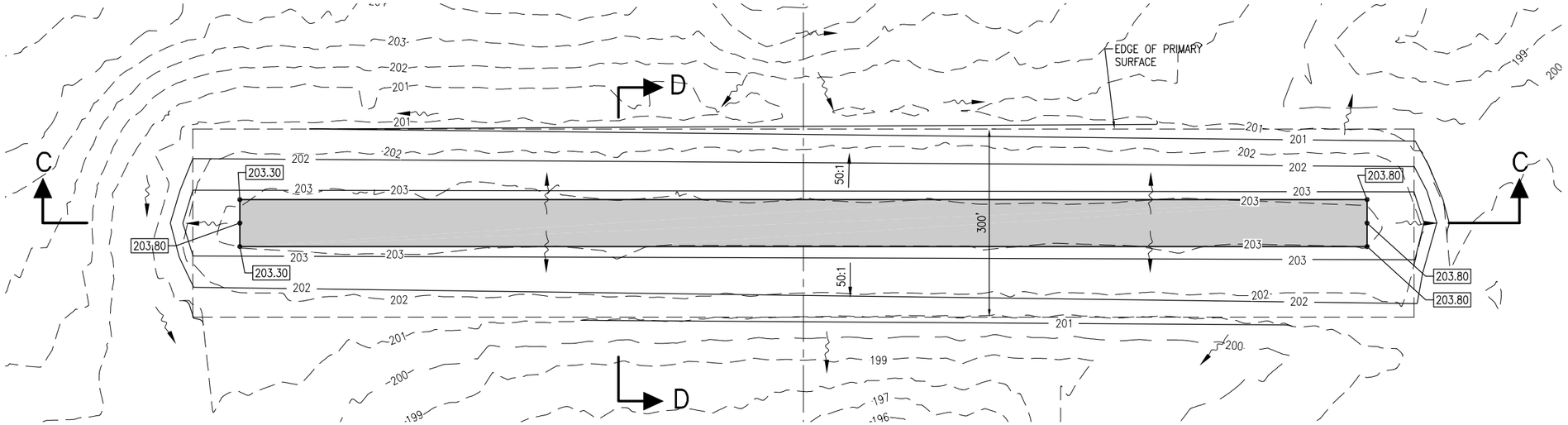
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

NOT RELEASED FOR CONSTRUCTION BY DATE

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

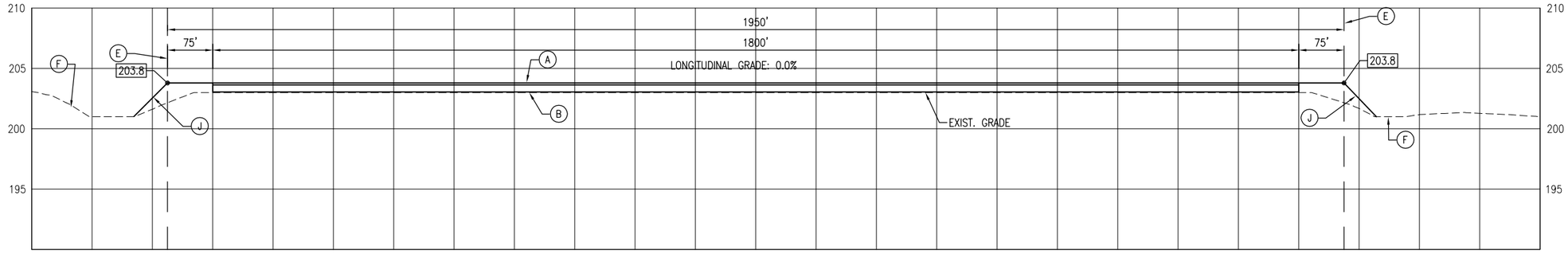
UTILITY PLAN

C-130



OUTBOARD LANDING LANE SOUTH

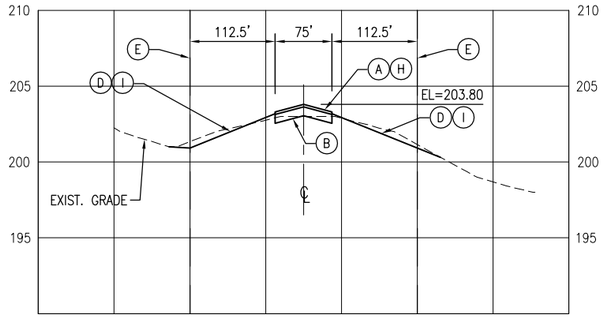
SCALE: 1" = 100' 0 50' 100' 200'



SECTION C – C

SCALE: 1" = 100' HORIZ 0 50' 100' 200'

SCALE: 1" = 5' VERT. 0 5' 10'



SECTION D – D

SCALE: 1" = 100' HORIZ 0 50' 100' 200'

SCALE: 1" = 5' VERT. 0 5' 10'

NOTES:

1. THIS ENLARGEMENT IS INTENDED TO DETAIL SPECIFIC GRADING AND DRAINAGE PATTERNS AROUND THE OUTBOARD LANDING LANE SOUTH.

2. CONTRACTOR IS REQUIRED TO COMPLETE RUNWAYS FROM THE TOP OF THE RUNWAY SUBGRADE SURFACE.

3. LISTED BELOW ARE THE ACCEPTABLE RANGE OF SLOPES FOR EACH SITE ELEMENT AS OUTLINED IN UFC DESIGN MANUAL 3-260-01 (LATEST EDITION). THE CONTRACTOR MUST MEET ALL GRADING CRITERIA LISTED BELOW AND RELEVANT GRADING CRITERIA IN UFC 3-260-01 NOT LISTED BELOW FOR FINAL ACCEPTANCE.

GRADING CRITERIA:

*RUNWAY LONGITUDINAL SLOPE: 1.0% (MAX.)

*RUNWAY CROSS SLOPE: 1.0% – 1.5%

*PRIMARY SURFACE SLOPE: 2.0% – 5.0% (ANY DIRECTION)

*CLEAR ZONE SURFACE SLOPE: 5.0% (MAX.)

KEYNOTES:

(A) RUNWAY TOP SURFACE

(B) TOP OF RUNWAY SUBGRADE SURFACE

(D) PRIMARY SURFACE GRADE

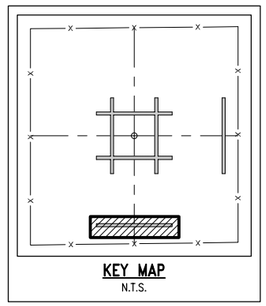
(E) EDGE OF PRIMARY SURFACE GRADE

(F) CLEAR ZONE SURFACE

(H) 75:1 (1.3%)

(I) 50:1 (2.0%)

(J) 20:1 (5%)



KEY MAP
N.T.S.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II – AIRFIELD

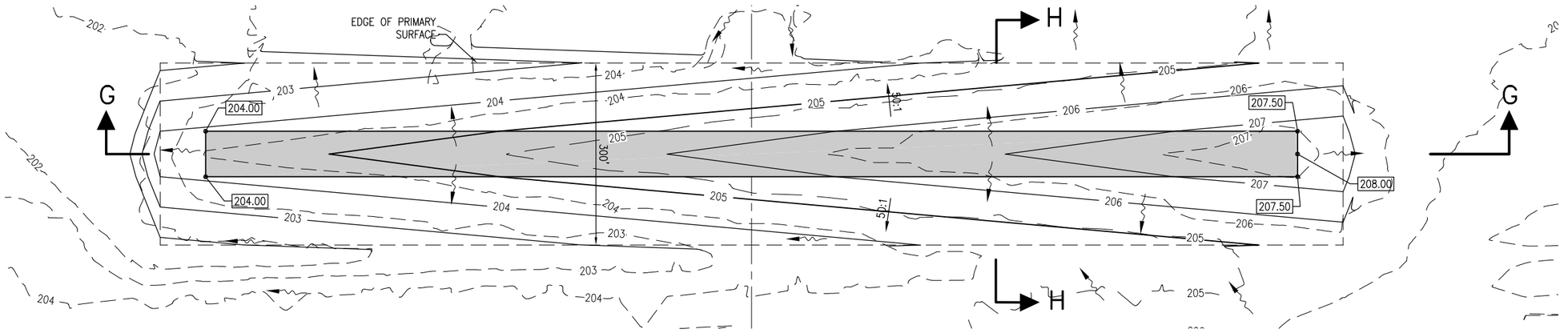
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: MBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY / / DATE

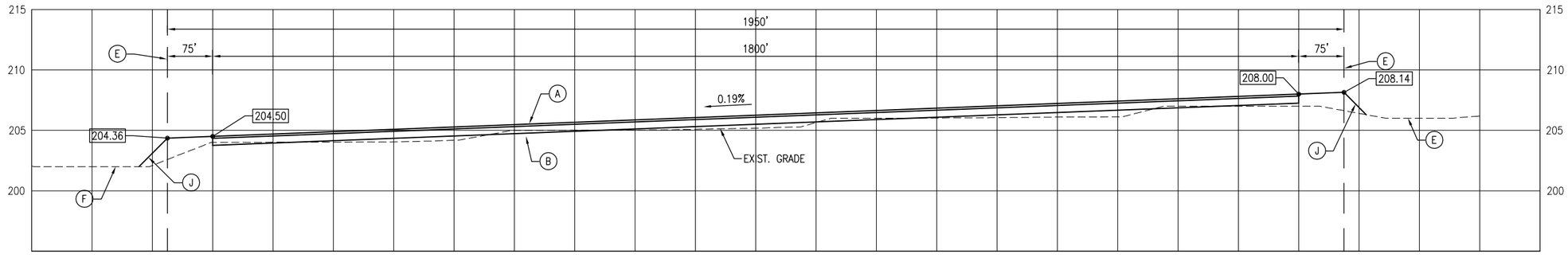
OUTBOARD LANDING LANE ENLARGEMENT: SOUTH RUNWAY

C-201



OUTBOARD LANDING LANE EAST

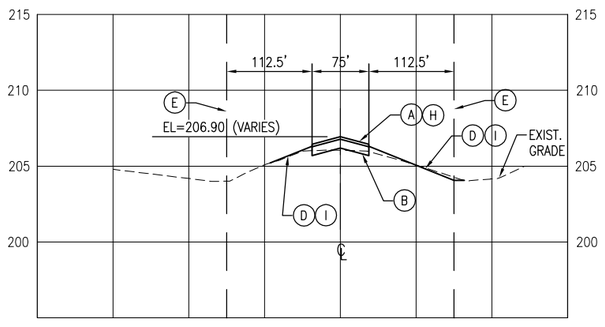
SCALE: 1" = 100' 0 50' 100' 200'



SECTION G – G

SCALE: 1" = 100' HORIZ 0 50' 100' 200'

SCALE: 1" = 5' VERT. 0 5' 10'



SECTION H – H

SCALE: 1" = 100' HORIZ 0 50' 100' 200'

SCALE: 1" = 5' VERT. 0 5' 10'

NOTES:

1. THIS ENLARGEMENT IS INTENDED TO DETAIL SPECIFIC GRADING AND DRAINAGE PATTERNS AROUND THE OUTBOARD LANDING LANE EAST.

2. CONTRACTOR IS REQUIRED TO COMPLETE RUNWAYS FROM THE TOP OF THE RUNWAY SUBGRADE SURFACE.

3. LISTED BELOW ARE THE ACCEPTABLE RANGE OF SLOPES FOR EACH SITE ELEMENT AS OUTLINED IN UFC DESIGN MANUAL 3-260-01 (LATEST EDITION). THE CONTRACTOR MUST MEET ALL GRADING CRITERIA LISTED BELOW AND RELEVANT GRADING CRITERIA IN UFC 3-260-01 NOT LISTED BELOW FOR FINAL ACCEPTANCE.

GRADING CRITERIA:

*RUNWAY LONGITUDINAL SLOPE: 1.0% (MAX.)

*RUNWAY CROSS SLOPE: 1.0% – 1.5%

*PRIMARY SURFACE SLOPE: 2.0% – 5.0% (ANY DIRECTION)

*CLEAR ZONE SURFACE SLOPE: 5.0% (MAX.)

KEYNOTES:

(A) RUNWAY TOP SURFACE

(B) TOP OF RUNWAY SUBGRADE SURFACE

(D) PRIMARY SURFACE GRADE

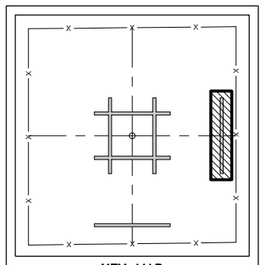
(E) EDGE OF PRIMARY SURFACE GRADE

(F) CLEAR ZONE SURFACE

(H) 75:1 (1.3%)

(I) 50:1 (2.0%)

(J) 20:1 (5%)



KEY MAP
N.T.S.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II – AIRFIELD

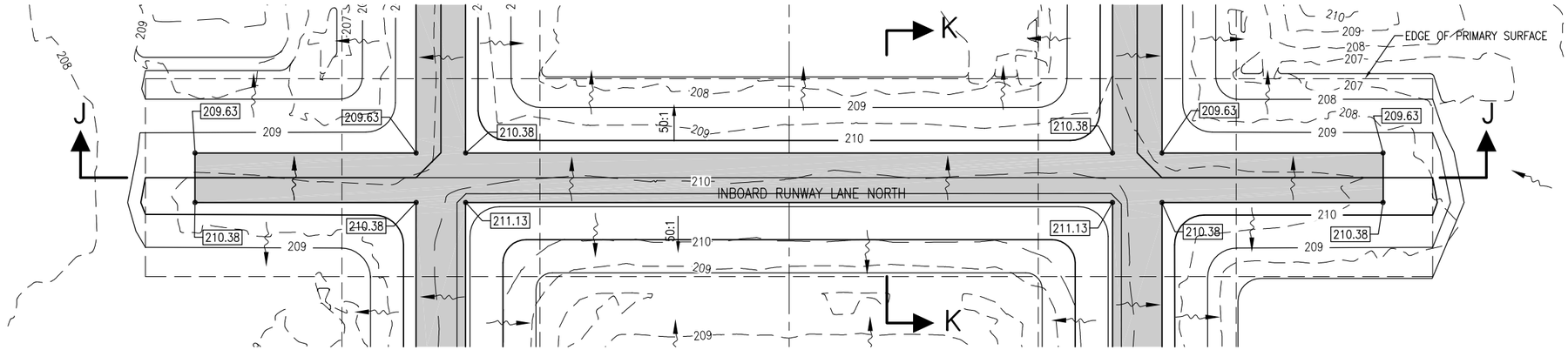
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID
			NOT RELEASED FOR CONSTRUCTION BY DATE / /

PROJECT NO: 25898.04
DESIGNED BY: MDW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

OUTBOARD LANDING LANE ENLARGEMENT: EAST RUNWAY

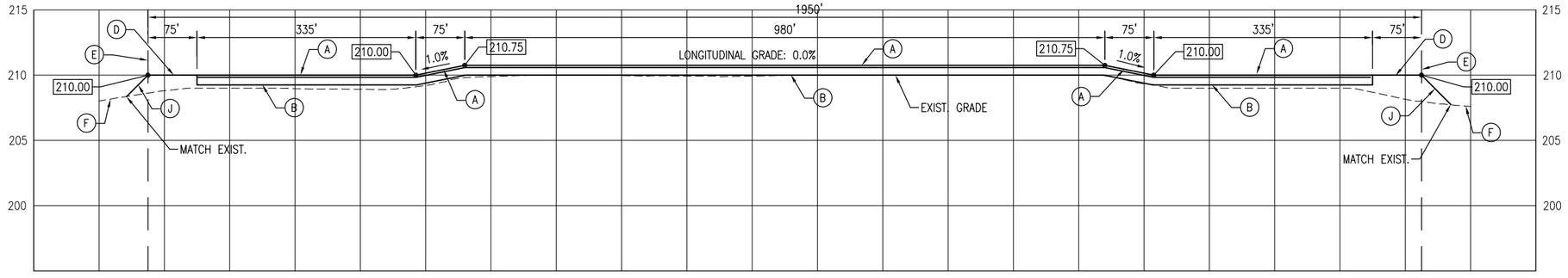
C-203

G:\DWG\258\25898.04 OLF-X-ESDC\DWG\OLF-X\Sitework\C-200-209 Enlargements.dwg, Jan 26, 2018 - 11:29:49AM, rgeiger



INBOARD LANDING LANE NORTH

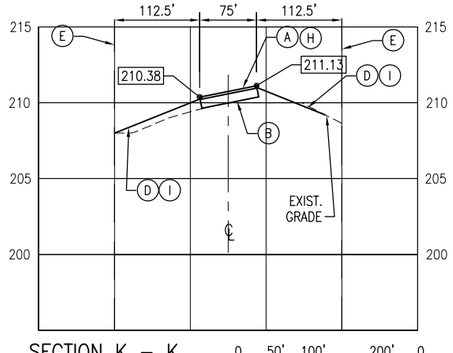
SCALE: 1" = 100' 0 50' 100' 200'



SECTION J – J

SCALE: 1" = 100' HORIZ 0 50' 100' 200'

SCALE: 1" = 5' VERT. 0 5' 10'



SECTION K – K

SCALE: 1" = 100' HORIZ 0 50' 100' 200'

SCALE: 1" = 5' VERT. 0 5' 10'

NOTES:

1. THIS ENLARGEMENT IS INTENDED TO DETAIL SPECIFIC GRADING AND DRAINAGE PATTERNS AROUND THE INBOARD LANDING LANE NORTH.

2. CONTRACTOR IS REQUIRED TO COMPLETE RUNWAYS FROM THE TOP OF THE RUNWAY SUBGRADE SURFACE.

3. LISTED BELOW ARE THE ACCEPTABLE RANGE OF SLOPES FOR EACH SITE ELEMENT AS OUTLINED IN UFC DESIGN MANUAL 3-260-01 (LATEST EDITION). THE CONTRACTOR MUST MEET ALL GRADING CRITERIA LISTED BELOW AND RELEVANT GRADING CRITERIA IN UFC 3-260-01 NOT LISTED BELOW FOR FINAL ACCEPTANCE.

GRADING CRITERIA:

*RUNWAY LONGITUDINAL SLOPE: 1.0% (MAX.)

*RUNWAY CROSS SLOPE: 1.0% – 1.5%

*PRIMARY SURFACE SLOPE: 2.0% – 5.0% (ANY DIRECTION)

*CLEAR ZONE SURFACE SLOPE: 5.0% (MAX.)

KEYNOTES:

(A) RUNWAY TOP SURFACE

(B) TOP OF RUNWAY SUBGRADE SURFACE

(D) PRIMARY SURFACE GRADE

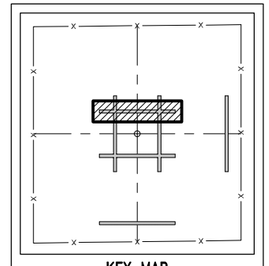
(E) EDGE OF PRIMARY SURFACE GRADE

(F) CLEAR ZONE SURFACE

(H) 100:1 (1.0%)

(I) 50:1 (2.0%)

(J) 20:1 (5%)



KEY MAP
N.T.S.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANKSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II – AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

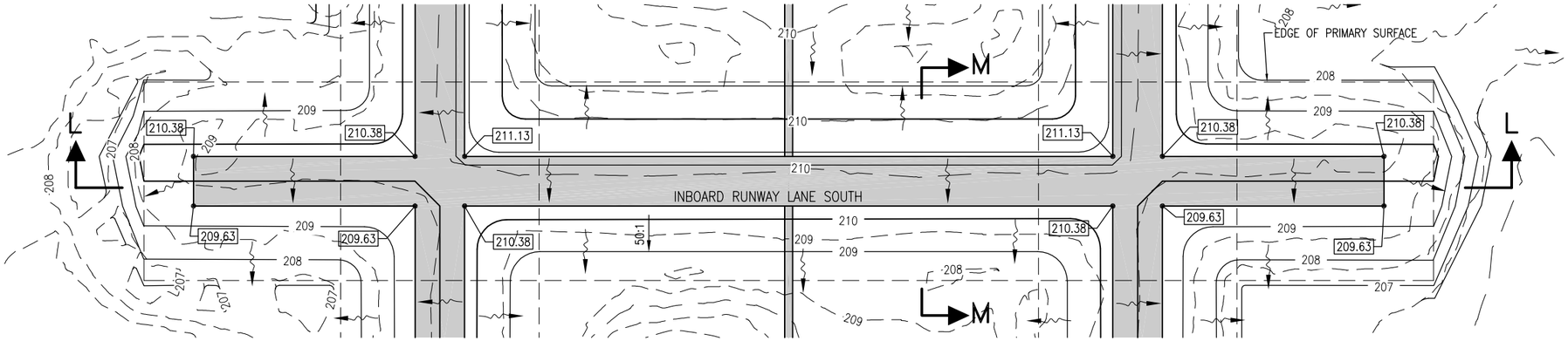
NOT RELEASED FOR CONSTRUCTION BY / DATE /

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

INBOARD LANDING LANE ENLARGEMENT: NORTH RUNWAY

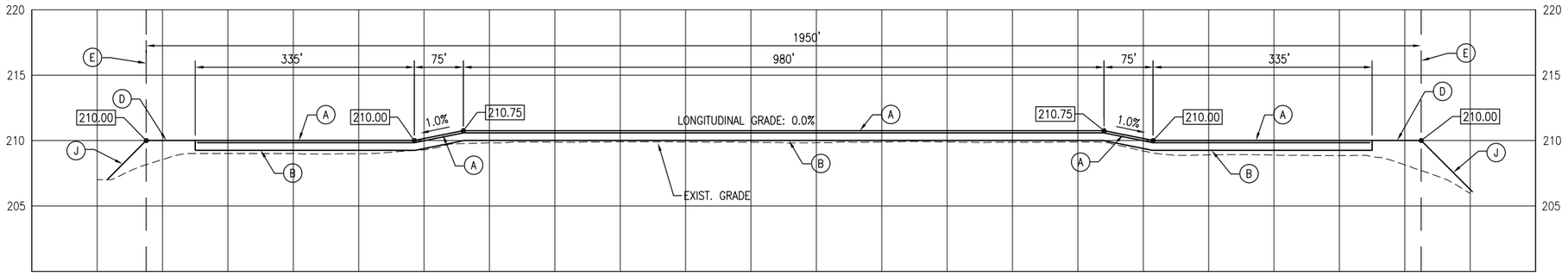
C-204

G:\DWG\258\25898.04 OLF-X-ESDC\DWG\OLF-X\Sitework\C-200-209 Enlargements.dwg, Jan 26, 2018 - 11:29:52AM, rgeiger



INBOARD LANDING LANE SOUTH

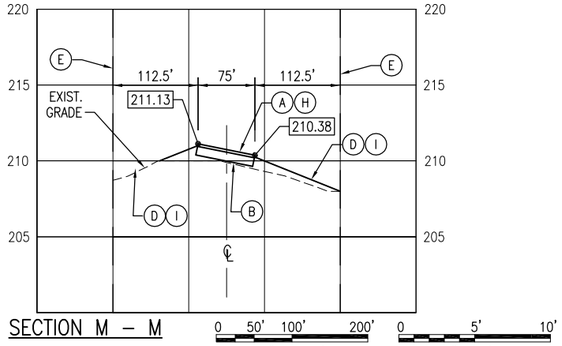
SCALE: 1" = 100' 0 50' 100' 200'



SECTION L – L

SCALE: 1" = 100' HORIZ 0 50' 100' 200'

SCALE: 1" = 5' VERT. 0 5' 10'



SECTION M – M

SCALE: 1" = 100' HORIZ 0 50' 100' 200'

SCALE: 1" = 5' VERT. 0 5' 10'

NOTES:

1. THIS ENLARGEMENT IS INTENDED TO DETAIL SPECIFIC GRADING AND DRAINAGE PATTERNS AROUND THE INBOARD LANDING LANE SOUTH.

2. CONTRACTOR IS REQUIRED TO COMPLETE RUNWAYS FROM THE TOP OF THE RUNWAY SUBGRADE SURFACE.

3. LISTED BELOW ARE THE ACCEPTABLE RANGE OF SLOPES FOR EACH SITE ELEMENT AS OUTLINED IN UFC DESIGN MANUAL 3-260-01 (LATEST EDITION). THE CONTRACTOR MUST MEET ALL GRADING CRITERIA LISTED BELOW AND RELEVANT GRADING CRITERIA IN UFC 3-260-01 NOT LISTED BELOW FOR FINAL ACCEPTANCE.

GRADING CRITERIA:

*RUNWAY LONGITUDINAL SLOPE: 1.0% (MAX.)

*RUNWAY CROSS SLOPE: 1.0% – 1.5%

*PRIMARY SURFACE SLOPE: 2.0% – 5.0% (ANY DIRECTION)

*CLEAR ZONE SURFACE SLOPE: 5.0% (MAX.)

KEYNOTES:

(A) RUNWAY TOP SURFACE

(B) TOP OF RUNWAY SUBGRADE SURFACE

(D) PRIMARY SURFACE GRADE

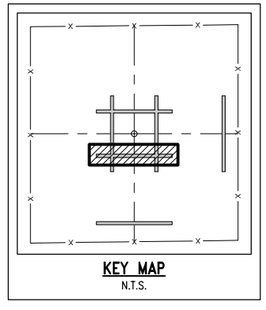
(E) EDGE OF PRIMARY SURFACE GRADE

(F) CLEAR ZONE SURFACE

(H) 100:1 (1.0%)

(I) 50:1 (2.0%)

(J) 20:1 (5%)



KEY MAP
N.T.S.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANKSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II – AIRFIELD

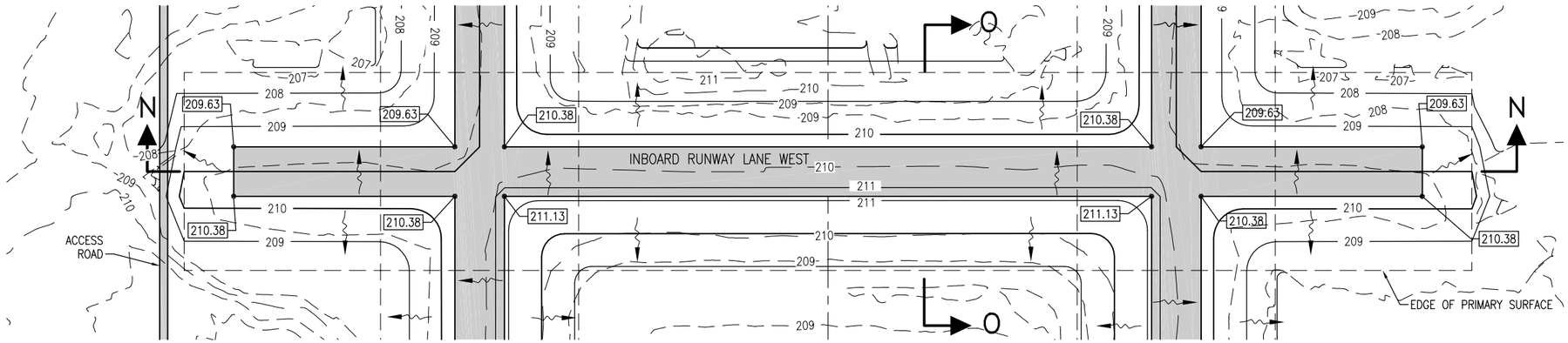
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY / DATE /

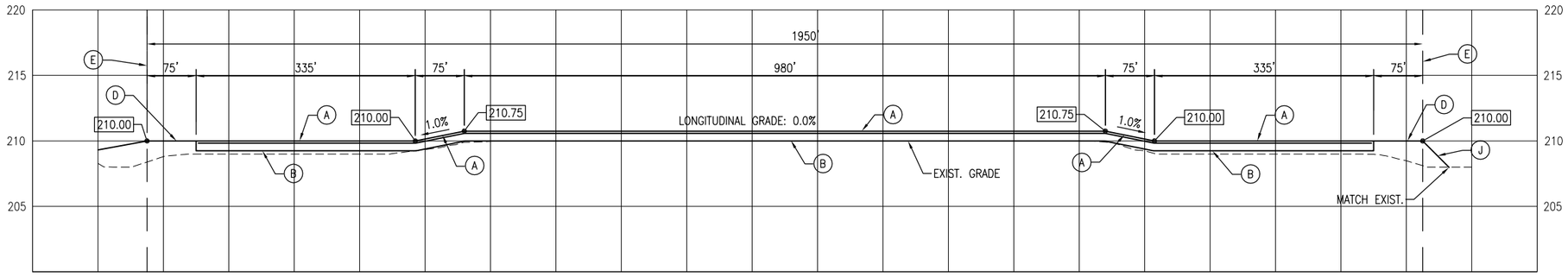
INBOARD LANDING LANE ENLARGEMENT: SOUTH RUNWAY

C-205



INBOARD LANDING LANE WEST

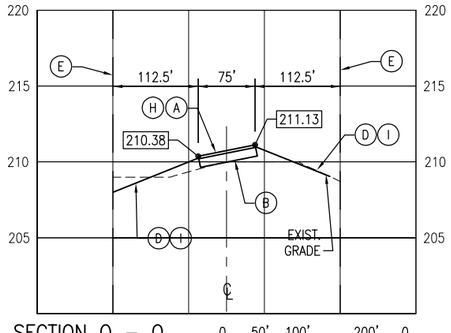
SCALE: 1" = 100' 0 50' 100' 200'



SECTION N – N

0 50' 100' 200' SCALE: 1" = 100' HORIZ

0 5' 10' SCALE: 1" = 5' VERT.



SECTION O – O

0 50' 100' 200' SCALE: 1" = 100' HORIZ

0 5' 10' SCALE: 1" = 5' VERT.

NOTES:

1. THIS ENLARGEMENT IS INTENDED TO DETAIL SPECIFIC GRADING AND DRAINAGE PATTERNS AROUND THE INBOARD LANDING LANE WEST.

2. CONTRACTOR IS REQUIRED TO COMPLETE RUNWAYS FROM THE TOP OF THE RUNWAY SUBGRADE SURFACE.

3. LISTED BELOW ARE THE ACCEPTABLE RANGE OF SLOPES FOR EACH SITE ELEMENT AS OUTLINED IN UFC DESIGN MANUAL 3-260-01 (LATEST EDITION). THE CONTRACTOR MUST MEET ALL GRADING CRITERIA LISTED BELOW AND RELEVANT GRADING CRITERIA IN UFC 3-260-01 NOT LISTED BELOW FOR FINAL ACCEPTANCE.

GRADING CRITERIA:

*RUNWAY LONGITUDINAL SLOPE: 1.0% (MAX.)

*RUNWAY CROSS SLOPE: 1.0% – 1.5%

*PRIMARY SURFACE SLOPE: 2.0% – 5.0% (ANY DIRECTION)

*CLEAR ZONE SURFACE SLOPE: 5.0% (MAX.)

KEYNOTES:

(A) RUNWAY TOP SURFACE

(B) TOP OF RUNWAY SUBGRADE SURFACE

(D) PRIMARY SURFACE GRADE

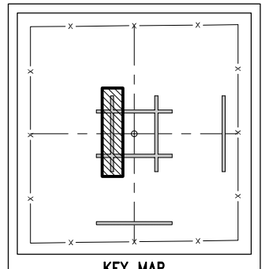
(E) EDGE OF PRIMARY SURFACE GRADE

(F) CLEAR ZONE SURFACE

(H) 100:1 (1.0%)

(I) 50:1 (2.0%)

(J) 20:1 (5%)



KEY MAP
N.T.S.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANKSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II – AIRFIELD

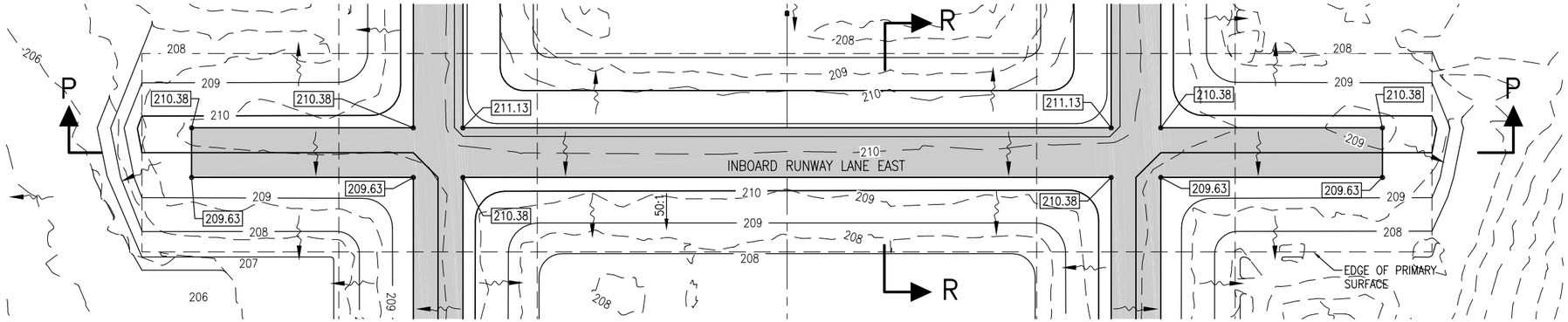
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

NOT RELEASED FOR CONSTRUCTION BY / DATE /

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

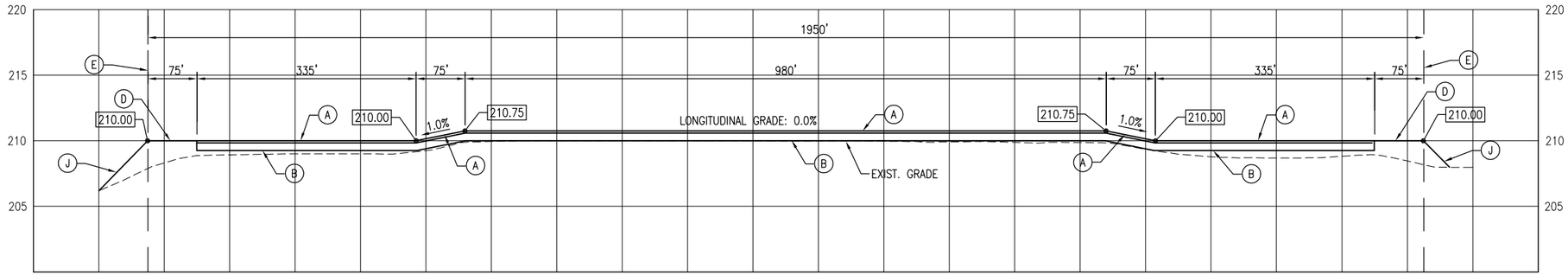
INBOARD LANDING LANE ENLARGEMENT: WEST RUNWAY

C-206



INBOARD LANDING LANE EAST

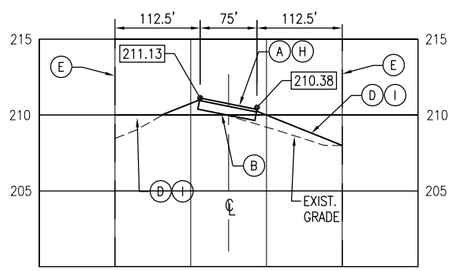
SCALE: 1" = 100' 0 50' 100' 200'



SECTION P – P

SCALE: 1" = 100' HORIZ 0 50' 100' 200'

SCALE: 1" = 5' VERT. 0 5' 10'



SECTION R – R

SCALE: 1" = 100' HORIZ 0 50' 100' 200'

SCALE: 1" = 5' VERT. 0 5' 10'

NOTES:

1. THIS ENLARGEMENT IS INTENDED TO DETAIL SPECIFIC GRADING AND DRAINAGE PATTERNS AROUND THE INBOARD LANDING LANE EAST.

2. CONTRACTOR IS REQUIRED TO COMPLETE RUNWAYS FROM THE TOP OF THE RUNWAY SUBGRADE SURFACE.

3. LISTED BELOW ARE THE ACCEPTABLE RANGE OF SLOPES FOR EACH SITE ELEMENT AS OUTLINED IN UFC DESIGN MANUAL 3-260-01 (LATEST EDITION). THE CONTRACTOR MUST MEET ALL GRADING CRITERIA LISTED BELOW AND RELEVANT GRADING CRITERIA IN UFC 3-260-01 NOT LISTED BELOW FOR FINAL ACCEPTANCE.

GRADING CRITERIA:

*RUNWAY LONGITUDINAL SLOPE: 1.0% (MAX.)

*RUNWAY CROSS SLOPE: 1.0% – 1.5%

*PRIMARY SURFACE SLOPE: 2.0% – 5.0% (ANY DIRECTION)

*CLEAR ZONE SURFACE SLOPE: 5.0% (MAX.)

KEYNOTES:

(A) RUNWAY TOP SURFACE

(B) TOP OF RUNWAY SUBGRADE SURFACE

(D) PRIMARY SURFACE GRADE

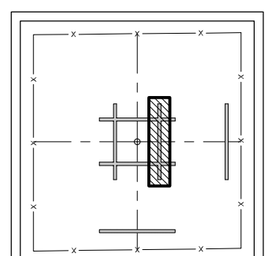
(E) EDGE OF PRIMARY SURFACE GRADE

(F) CLEAR ZONE SURFACE

(H) 100:1 (1.0%)

(I) 50:1 (2.0%)

(J) 20:1 (5%)



KEY MAP
N.T.S.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANKSTON, P.E.
FL Reg. Engineer #49463

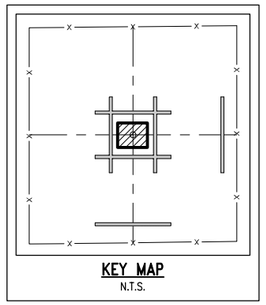
OLF-X
PHASE II – AIRFIELD

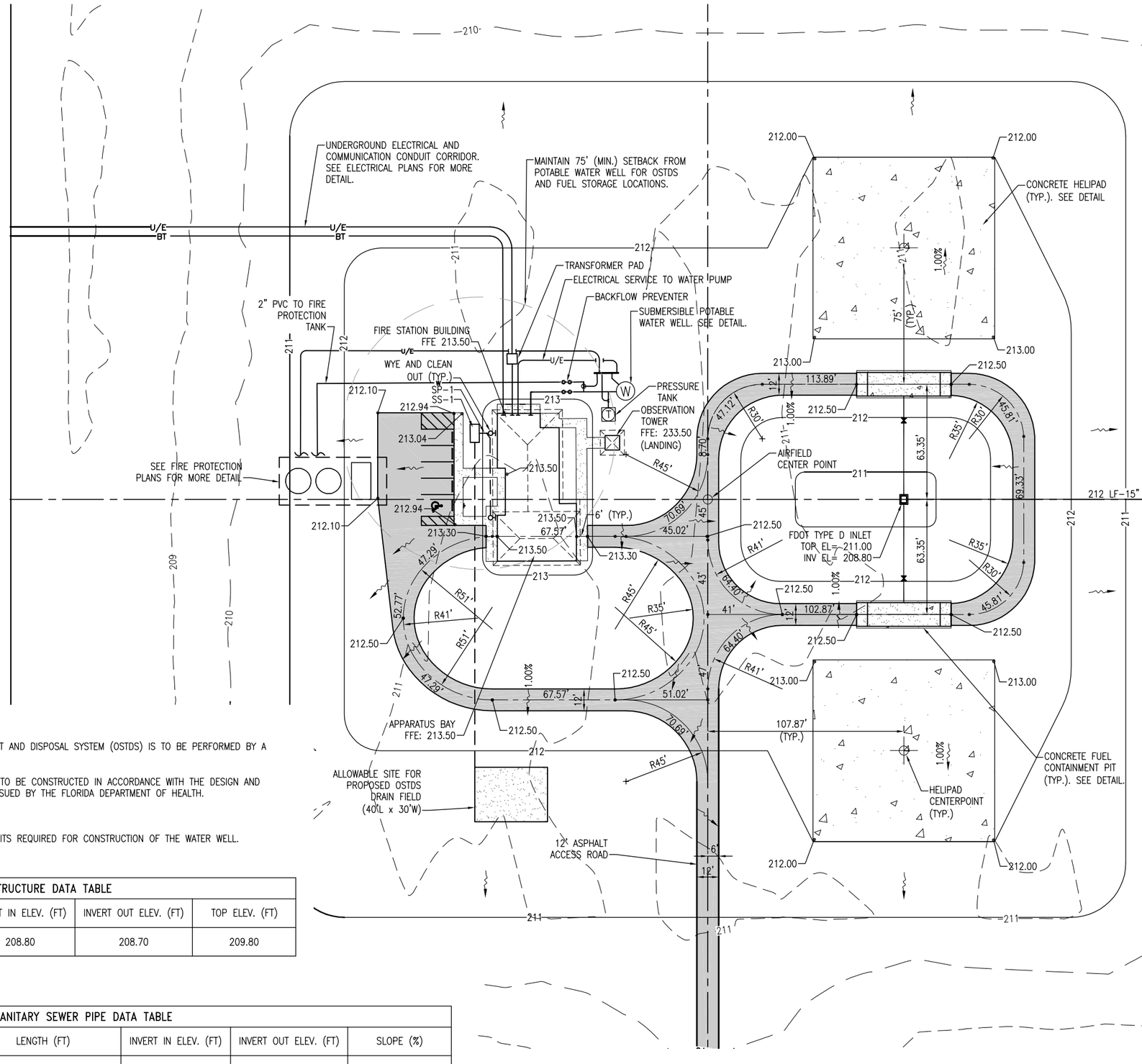
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID
			NOT RELEASED FOR CONSTRUCTION BY DATE / /

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

INBOARD LANDING LANE ENLARGEMENT: EAST RUNWAY

C-207





NOTES:

1. CONSTRUCTION AND INSTALLATION OF ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM (OSTDS) IS TO BE PERFORMED BY A FLORIDA LICENSED SEPTIC SYSTEM CONTRACTOR.
2. ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM (OSTDS) IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN AND SPECIFICATION LISTED ON THE OSTDS CONSTRUCTION PERMIT ISSUED BY THE FLORIDA DEPARTMENT OF HEALTH.
3. SEE ARCHITECTURAL SHEETS FOR UTILITY CONNECTION DETAILS.
4. A LICENSED WATER WELL CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR CONSTRUCTION OF THE WATER WELL.

SANITARY SEWER STRUCTURE DATA TABLE				
STRUCTURE No.	TYPE	INVERT IN ELEV. (FT)	INVERT OUT ELEV. (FT)	TOP ELEV. (FT)
SS-1	SEPTIC TANK	208.80	208.70	209.80

SANITARY SEWER PIPE DATA TABLE					
STRUCTURE No.	TYPE	LENGTH (FT)	INVERT IN ELEV. (FT)	INVERT OUT ELEV. (FT)	SLOPE (%)
SP-1	4" PVC	8	209.00	208.80	2.00

AIRFIELD INFIELD ENLARGEMENT
SCALE: 1" = 30' 0 15' 30' 60'

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

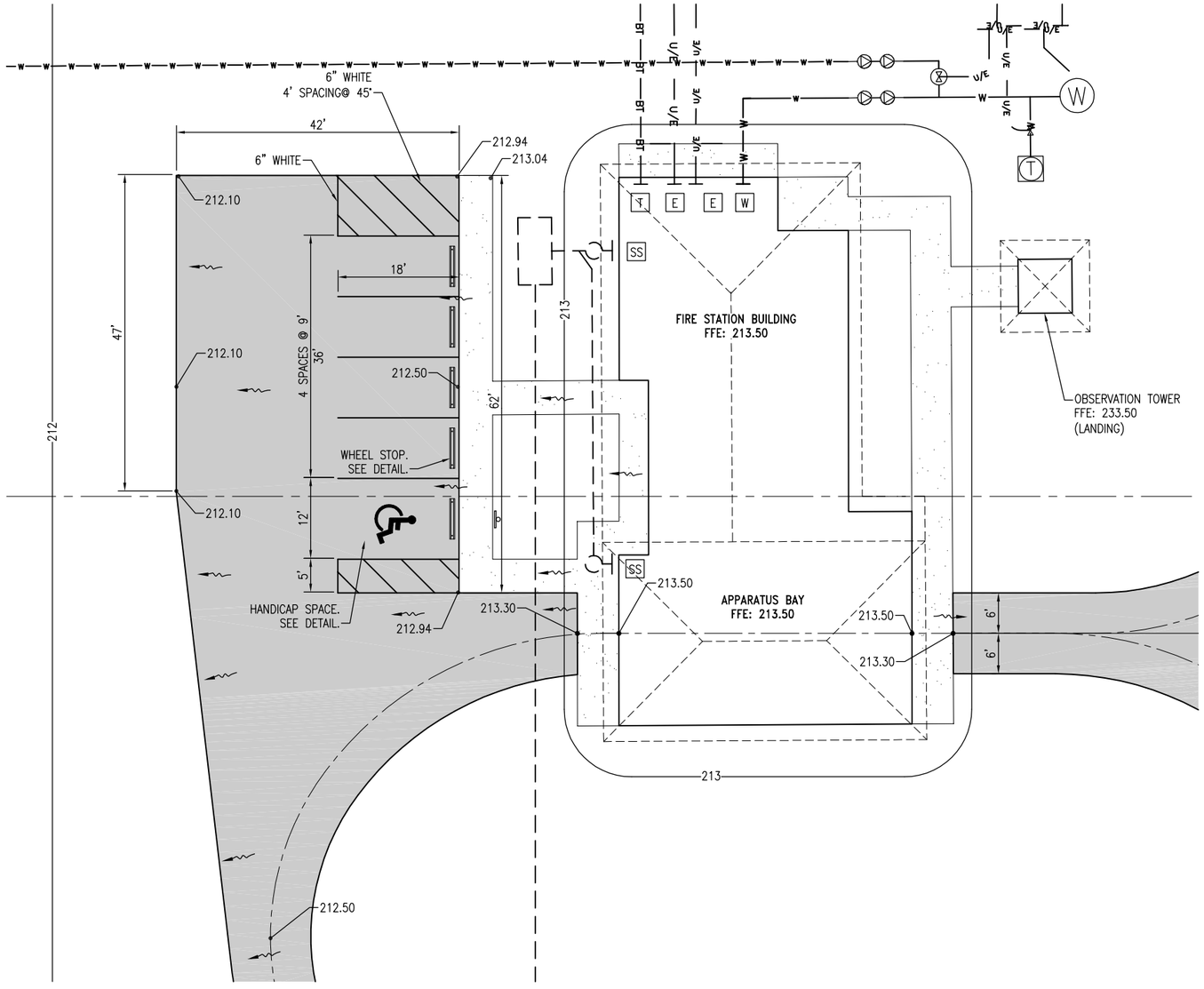
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

NOT RELEASED FOR CONSTRUCTION BY / DATE

PROJECT NO: 25898.04
DESIGNED BY: MBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

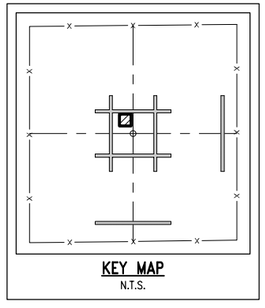
AIRFIELD INFIELD ENLARGEMENT

C-213



CRASH HOUSE PARKING ENLARGEMENT

SCALE: 1" = 10' 0 5' 10' 20'



KEY MAP
N.T.S.

NOTES

1. SEE ARCHITECTURAL PLANS FOR MORE DETAIL RELATED TO THE FIRE STATION BUILDING, APPARATUS BAY AND THE OBSERVATION TOWER.
2. SEE UTILITY AND ELECTRICAL PLANS FOR MORE DETAIL CONCERNING UTILITIES DEPICTED ON THIS ENLARGEMENT.

KEY NOTES

- [E] ELECTRICAL SERVICE CONNECTION
- [SS] SANITARY SEWER CONNECTION
- [T] COMMUNICATION SERVICE CONNECTION
- [W] POTABLE WATER SERVICE CONNECTION
- (W) POTABLE WATER WELL
- (T) PRESSURE TANK

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

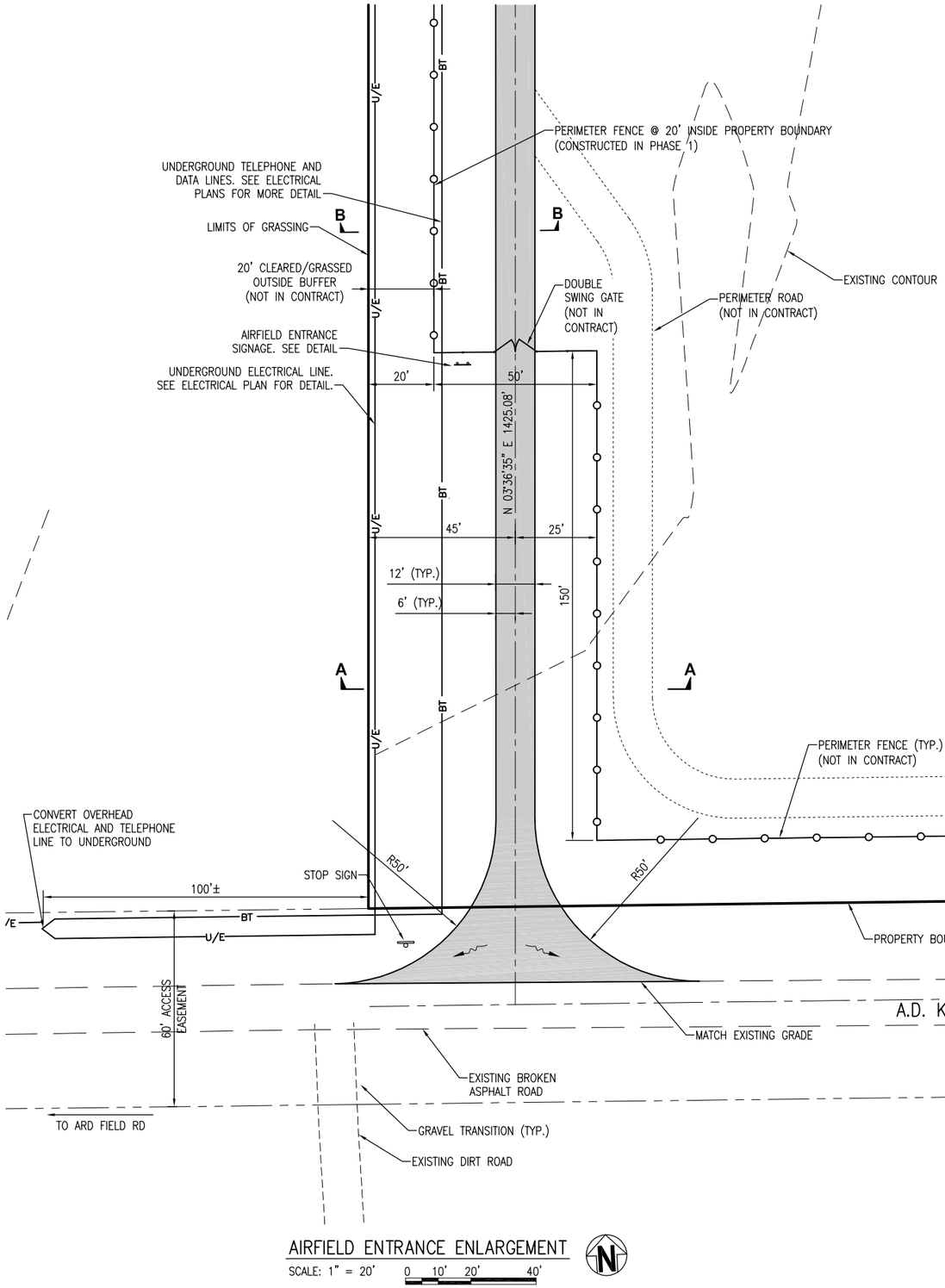
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY:
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY / DATE / /

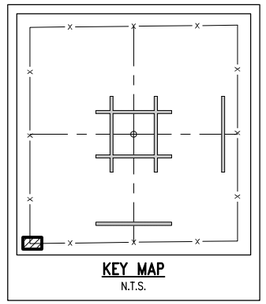
CRASH HOUSE PARKING

C-214



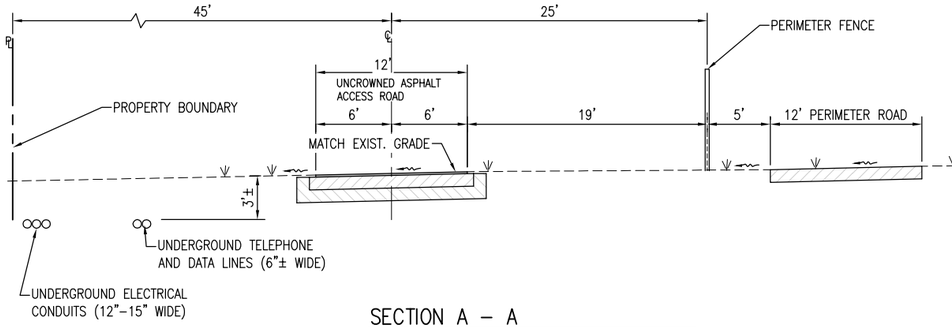
AIRFIELD ENTRANCE ENLARGEMENT

SCALE: 1" = 20' 0 10' 20' 40'



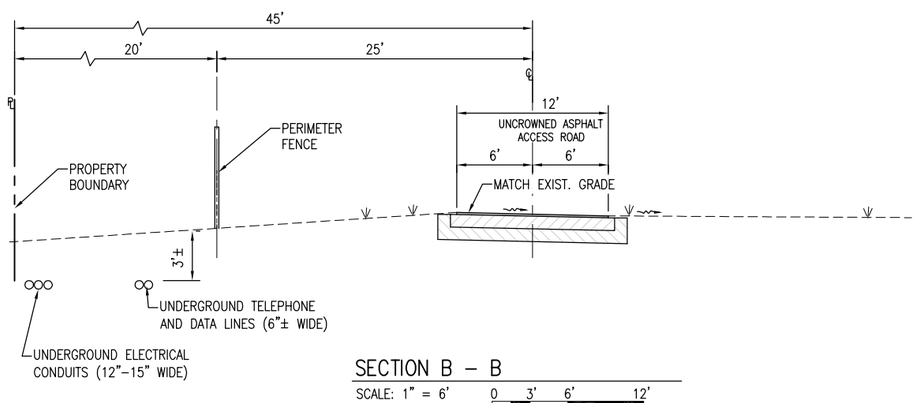
NOTES

1. CROSS-SLOPE OF ASPHALT ACCESS ROAD IS DEPENDENT ON THE GRADING SHOWN ON THE DRAINAGE PLAN. THE ASPHALT ROAD SHALL BE SLOPED TOWARDS THE INTERIOR OF THE AIRFIELD WHERE GRADING ALLOWS. IN AREAS WHERE THE PROPOSED GRADING IS DIRECTED TOWARDS THE PROPERTY BOUNDARY, A DRAINAGE SWALE SHALL BE PROVIDED AS DEPICTED ON THIS ENLARGEMENT.
2. ALL SWALE SIDE-SLOPES SHALL BE SODDED. EROSION CONTROL MEASURES SHALL BE INSTALLED WITHIN THE SWALE BY THE CONTRACTOR AS REQUIRED WHEN THE GRASS TAKES ROOT.
3. AIRFIELD ENTRANCE SIGN TO BE DOUBLE COLUMN MOUNTED GROUND SIGN. WORDING ON SIGN TO BE PROVIDED BY N.A.S. WHITING FIELD. SEE DETAIL FOR MORE INFORMATION.



SECTION A - A

SCALE: 1" = 6' 0 3' 6' 12'



SECTION B - B

SCALE: 1" = 6' 0 3' 6' 12'

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #43463

OLF-X
PHASE II - AIRFIELD

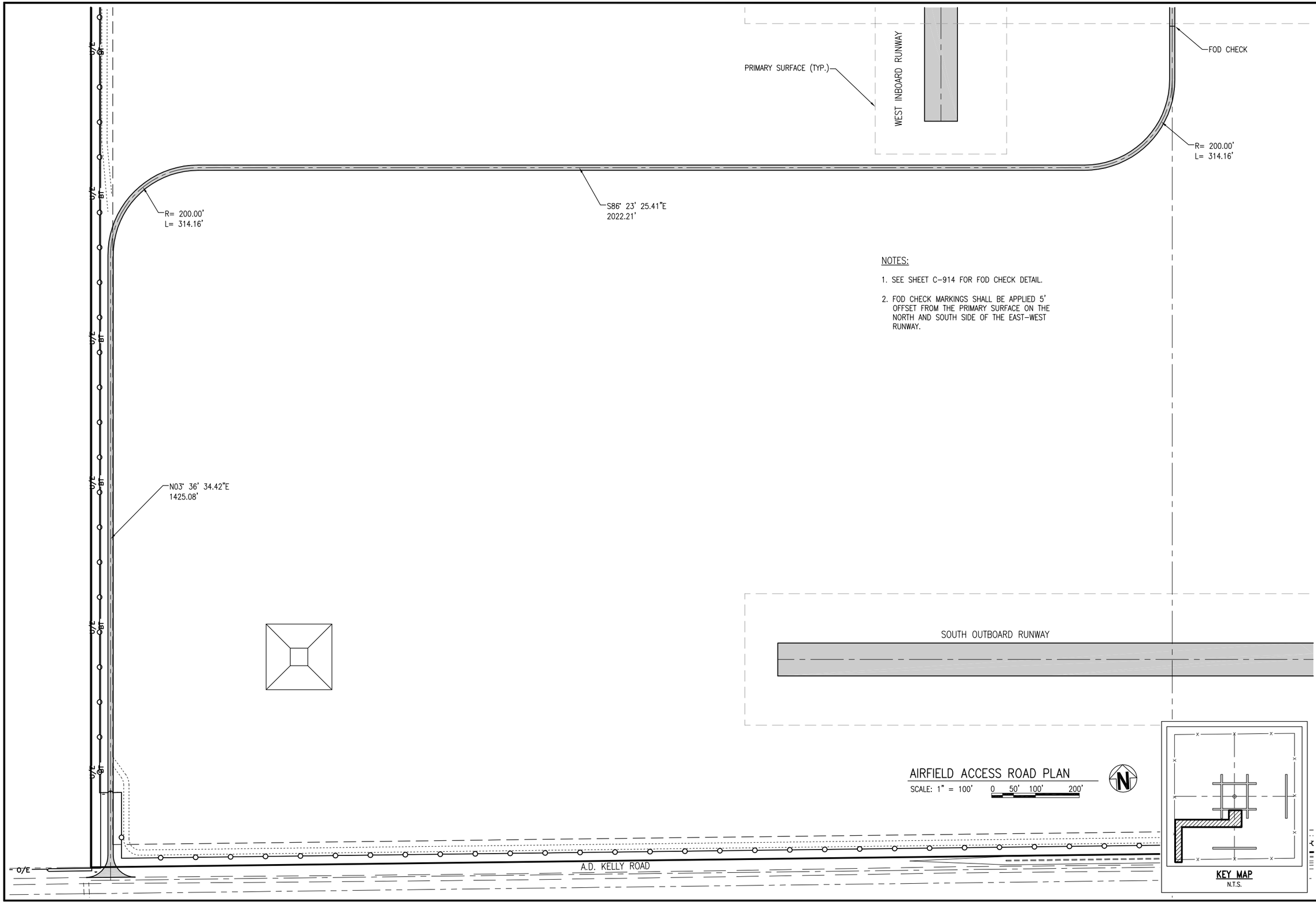
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY / / DATE

AIRFIELD ENTRANCE ENLARGEMENT

C-215



NOTES:

1. SEE SHEET C-914 FOR FOD CHECK DETAIL.
2. FOD CHECK MARKINGS SHALL BE APPLIED 5' OFFSET FROM THE PRIMARY SURFACE ON THE NORTH AND SOUTH SIDE OF THE EAST-WEST RUNWAY.

AIRFIELD ACCESS ROAD PLAN

SCALE: 1" = 100' 0 50' 100' 200'

KEY MAP
N.T.S.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

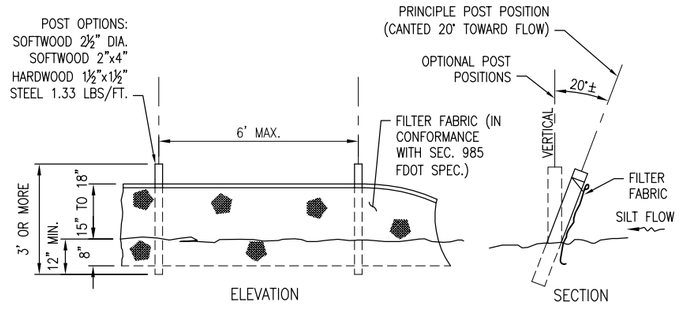
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: MBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE / /

AIRFIELD ACCESS ROAD PLAN

C-216

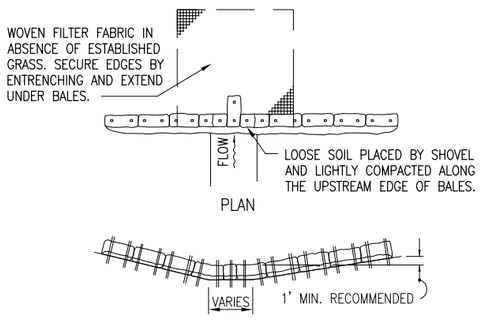


SILT FENCE NOTES:

1. FABRIC TO BE PLACED FACING DRAINAGE FLOW
2. FABRIC TO BE PLACED IN A 6" WIDE x 8" DEEP CONTINUOUS TRENCH, THEN BACKFILLED
3. ALL LUMBER TO BE PRESSURE/PRESERVATIVE TREATED
4. SILT FENCE TO BE INSTALLED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. SILT FENCE TO REMAIN UNTIL 100% PROJECT GRASSING (STABILIZATION) IS ACHIEVED
5. PREFABRICATED SILT FENCES ARE PERMITTED AS LONG AS THEY MEET OR EXCEED FDOT SPECIFICATIONS.

TYPE III SILT FENCE DETAIL

NOT TO SCALE



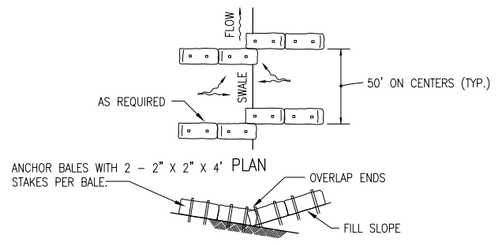
TYPE I

BARRIER FOR UNPAVED DITCHES

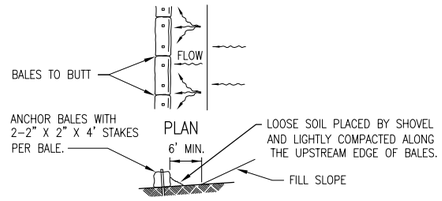
NOT TO SCALE

NOTES:

1. HAY BALES SHALL BE TRENCHED 3" TO 4" AND ANCHORED WITH 2 – 1" x 2" (OR 1" DIA.) x 4' WOOD STAKES. STAKES OF OTHER MATERIAL OR SHAPE PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER. STAKES OTHER THAN WOOD SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
2. ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER. UNAVOIDABLE GAPS SHALL BE PLUGGED WITH HAY OR STRAW TO PREVENT SILT FROM PASSING.



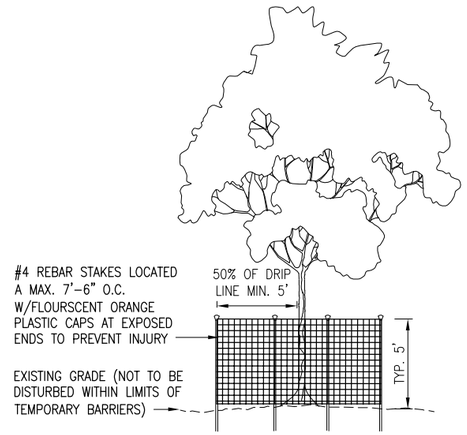
TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE



TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE

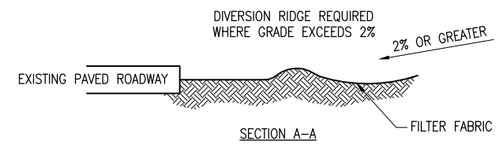
BARRIERS FOR FILL SLOPES

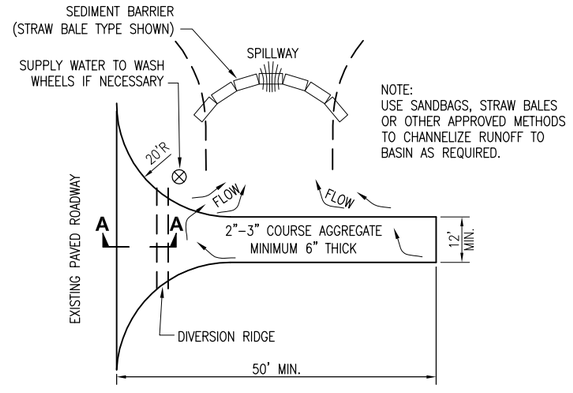
NOT TO SCALE



TREE PROTECTION DETAIL

NOT TO SCALE





NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

NOT TO SCALE

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF–X
PHASE II – AIRFIELD

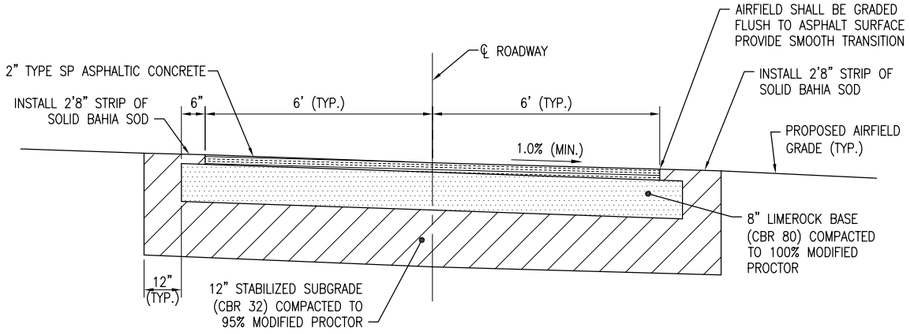
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY / DATE

CIVIL DETAILS:
EROSION CONTROL

C–900

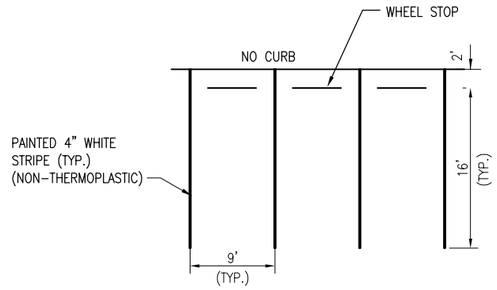


ASPHALT ACCESS ROADWAY REVERSE CROWN TYPICAL SECTION

NOT TO SCALE

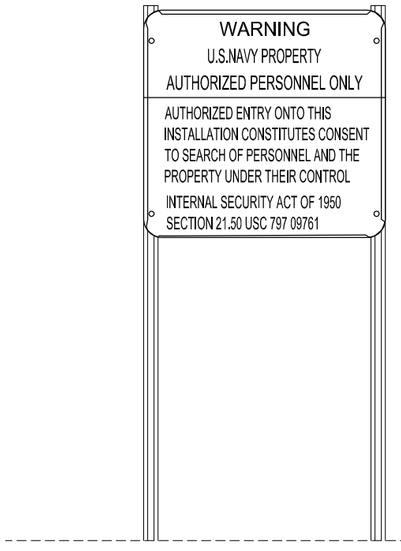
NOTES

1. IN-SITU SOILS MAY BE UTILIZED FOR BASE AND SUBGRADE COURSES SHOWN ON THIS SHEET, AS DIRECTED IN THE GEOTECHNICAL REPORT. CONTRACTOR SHALL MIX SOIL ADDITIVES INTO EXISTING SOILS AS REQUIRED TO MEET THE SPECIFIED COMPACTION REQUIREMENTS.
2. ASPHALT ACCESS ROADWAY TYPICAL SECTION SHALL APPLY TO ALL AIRFIELD ASPHALT AREAS WITH EXCEPTION OF RUNWAYS.



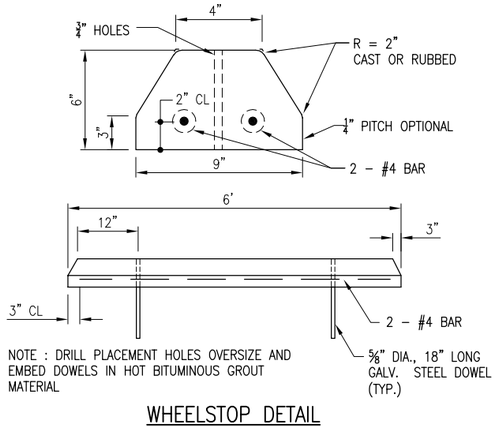
STANDARD PARKING SPACE

NOT TO SCALE



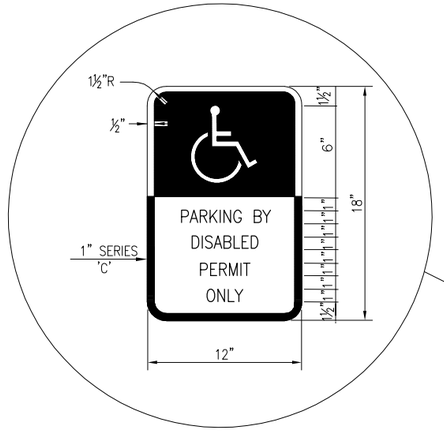
ENTRANCE SIGN DETAIL

NOT TO SCALE



WHEELSTOP DETAIL

NOT TO SCALE

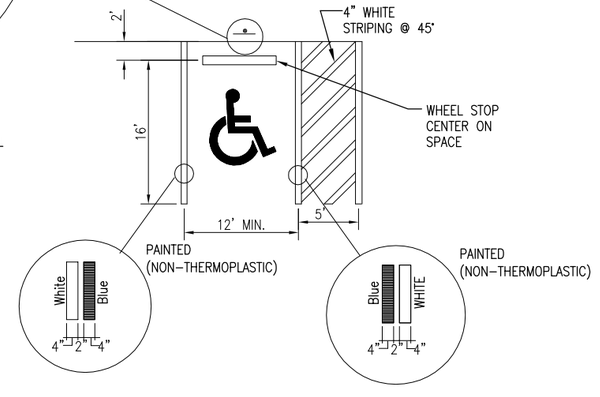


NOTES:

1. TOP PORTION OF FTP 20-06 SHALL HAVE A REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER.
2. BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
3. SIGNS ARE TO BE MOUNTED AT STANDARD HEIGHT. (7' FROM PAVEMENT TO BOTTOM OF SIGN).

NOTES:

1. EACH SUCH PARKING SPACE SHALL BE CONSPICUOUSLY OUTLINED IN BLUE PAINT, AND SHALL BE POSTED AND MAINTAINED WITH A PERMANENT, ABOVE-GRADE SIGN BEARING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY OR THE CAPTION "PARKING BY DISABLED PERMIT ONLY," OR BEARING BOTH SUCH SYMBOL AND CAPTION. SUCH SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
2. CONTRACTOR SHALL INSURE THAT ALL HANDICAPPED PARKING AREAS SHALL HAVE A MAXIMUM FINISHED SLOPE OF 2.0% IN ANY DIRECTION. ACCESS ISLES SHALL HAVE A MAXIMUM CROSS-SLOPE OF 2.0% AND LESS THAN 5.0% GRADE.



HANDICAPPED SIGNAGE AND STRIPING DETAIL

NOT TO SCALE

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD
PHASE

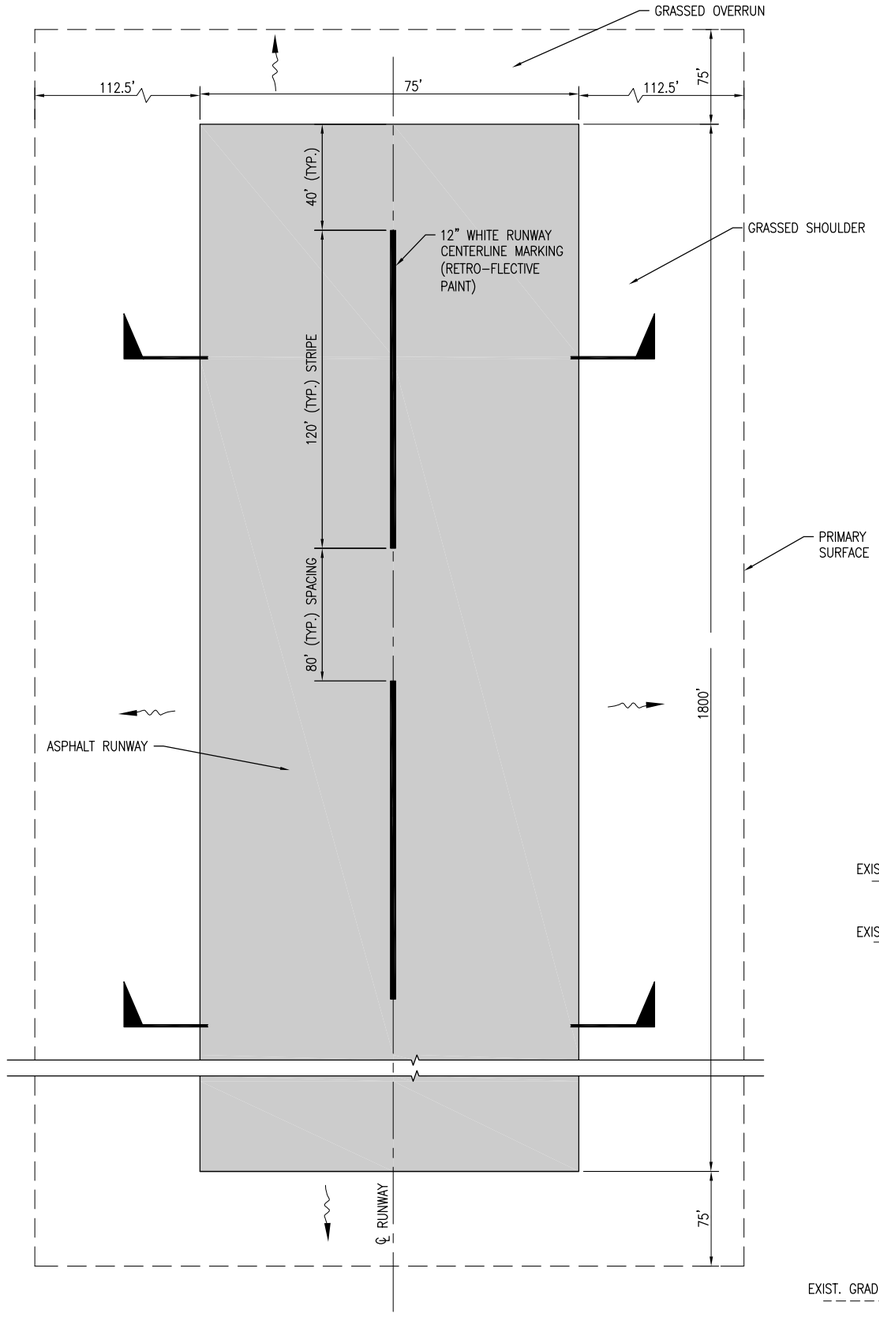
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

NOT RELEASED FOR CONSTRUCTION BY / DATE

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

CIVIL DETAILS:
SITE ELEMENTS

C-910



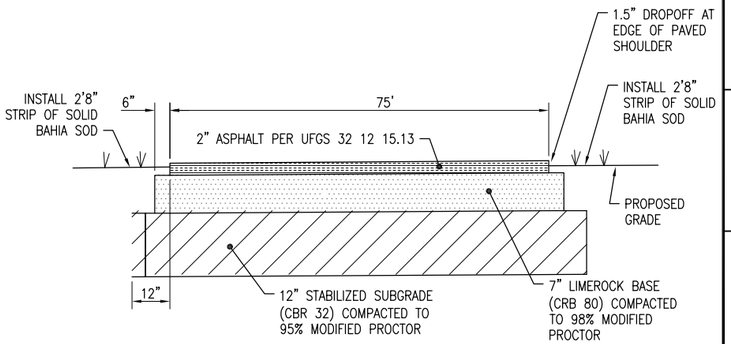
PLAN VIEW

ASPHALT RUNWAY

NOT TO SCALE

NOTES

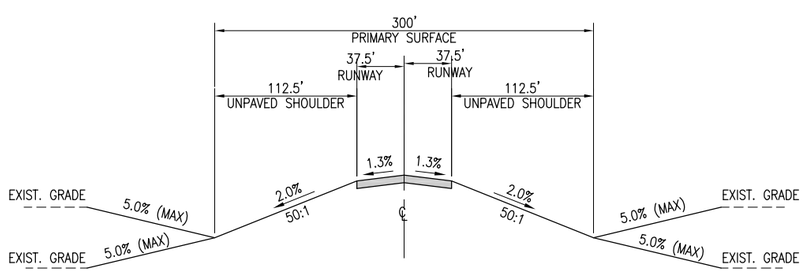
1. CONTRACTOR SHALL CONSTRUCT SIX RUNWAYS, FOUR INBOARD RUNWAYS WITH ONE IN EACH CARDINAL DIRECTION AND TWO OUTBOARD RUNWAYS AS SHOWN ON THE PLANS. ONLY ONE RUNWAY IS SHOWN ON THIS DETAIL FOR CLARITY.
2. DESIGN OF HELICOPTER RUNWAYS BASED ON LIMITED USE CRITERIA IN SEC. 4-3 OF UFC 3-260-01, AIRFIELD AND HELIPORT PLANNING AND DESIGN, AND ON GUIDANCE PROVIDED BY N.A.S. WHITING FIELD BASE ENGINEERS.
3. INBOARD RUNWAYS SHALL BE UNCROWNED AND HAVE A TRANSVERSE SLOPE TOWARDS THE RUNWAY PERIMETER AWAY FROM THE INFIELD.
4. RUNWAYS SHALL BE GRADED A MAXIMUM LONGITUDINAL SLOPE OF 1.0%. TRANSVERSE SLOPE ACROSS RUNWAY SHALL BE A MINIMUM OF 1.0% AND MAXIMUM OF 1.5%.
5. PRIMARY SURFACE SHOULDERS AND OVERRUN SHALL HAVE A MINIMUM SLOPE OF 2.0% AND A MAXIMUM SLOPE OF 5.0%.
6. THE RUNWAY'S CLEAR ZONE EXTENDS 400' BEYOND THE PRIMARY SURFACE. THE CLEAR ZONE SHALL BE FREE OF FIXED AND MOBILE OBSTACLES WHICH MAY POSE POSSIBLE HAZARDS TO MOVING AIRCRAFT.
7. IN-SITU SOILS MAY BE UTILIZED FOR BASE AND SUBGRADE COURSES SHOWN ON THIS SHEET, AS DIRECTED IN THE GEOTECHNICAL REPORT. CONTRACTOR SHALL MIX SOIL ADDITIVES INTO EXISTING SOILS AS REQUIRED TO MEET THE SPECIFIED COMPACTION REQUIREMENTS.
8. RUNWAY CENTERLINE STRIPING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13635-3 OF UFC 2-000-05N. PAVEMENT MARKINGS SHALL BEGIN 40 FEET FROM THE END OF THE RUNWAY AND CENTERED ON THE RUNWAY CENTERLINE. THE MARKINGS CONSIST OF A BROKEN LINE WITH 120 FOOT LONG STRIPES SEPARATED BY 80 FOOT LONG SPACES.



SECTION VIEW

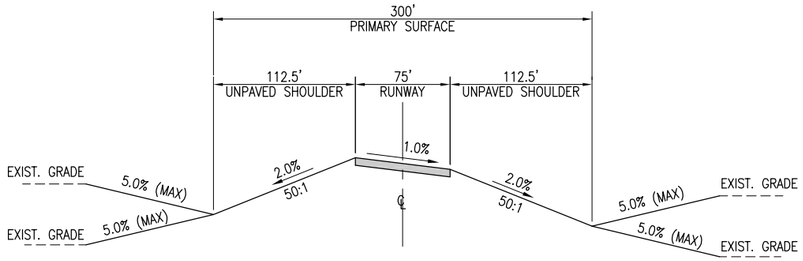
ASPHALT RUNWAY

NOT TO SCALE



CROWNED RUNWAY

PICTORAL VIEW



UNCROWNED RUNWAY

PICTORAL VIEW

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

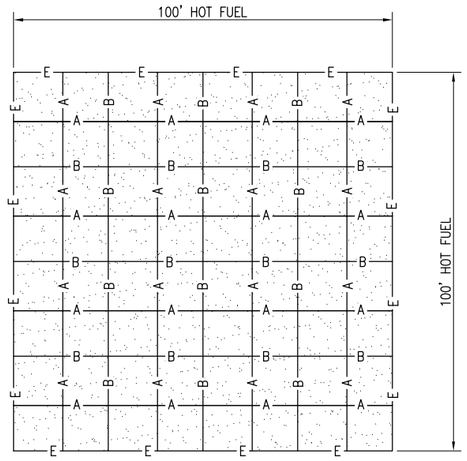
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

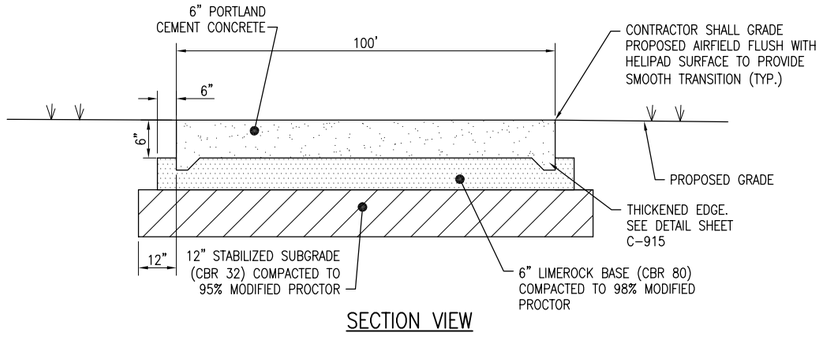
NOT RELEASED FOR CONSTRUCTION BY / / DATE

CIVIL DETAILS:
SITE ELEMENTS

C-911



PLAN VIEW



SECTION VIEW

NOTES

1. DESIGN OF HELIPADS BASED ON LIMITED USE CRITERIA IN SEC. 4-4 OF UFC 3-260-01.
2. HELIPADS SHALL BE GRADED A MINIMUM OF 1.0% AND A MAXIMUM OF 1.5% IN ONE DIRECTION. DIRECTION OF GRADE SHOULD BE CONSISTENT WITH SURROUNDING PROPOSED GRADING.
3. PRIMARY SURFACE SHOULDERS SHALL BE GRADED A MINIMUM OF 2.0% (PRIOR TO CHANNELIZATION) AND A MAXIMUM OF 5.0%. SLOPE OF SHOULDERS INTENDED TO CONVEY RUNOFF AWAY FROM HELIPADS. GRADING SHOULD PROMOTE CONVEYANCE AROUND HELIPADS AND NOT IMPOUND WATER.
4. PRIMARY AREA SHALL BE FREE OF OBSTRUCTIONS AND ROUGH GRADED TO THE EXTENT NECESSARY TO REDUCE DAMAGE TO AIRCRAFT IN THE EVENT OF AN EMERGENCY LANDING.
5. SEE SHEET C-915 FOR CONSTRUCTION JOINT DETAILS
6 IN-SITU SOILS MAY BE UTILIZED FOR BASE AND SUBGRADE COURSES SHOWN ON THIS SHEET, AS DIRECTED IN THE GEOTECHNICAL REPORT. CONTRACTOR SHALL MIX SOIL ADDITIVES INTO EXISTING SOILS AS REQUIRED TO MEET THE SPECIFIED COMPACTION REQUIREMENTS.

CONCRETE HELIPAD DETAIL

NOT TO SCALE

CONSTRUCTION JOINT LEGEND:

A = CONTRACTION JOINT

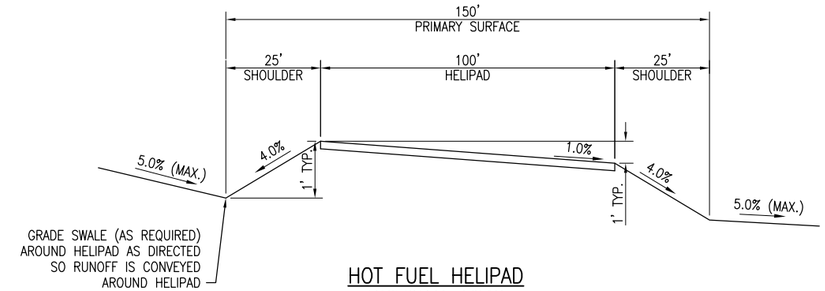
B = CONSTRUCTION JOINT

E = THICKENED EDGE

D = THICKENED EDGE EXPANSION JOINT

NOTES

1. IN-SITU SOILS MAY BE UTILIZED FOR BASE AND SUBGRADE COURSES SHOWN ON THIS SHEET, AS DIRECTED IN THE GEOTECHNICAL REPORT. CONTRACTOR SHALL MIX SOIL ADDITIVES INTO EXISTING SOILS AS REQUIRED TO MEET THE SPECIFIED COMPACTION REQUIREMENTS.



HOT FUEL HELIPAD
PICTORAL VIEW

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

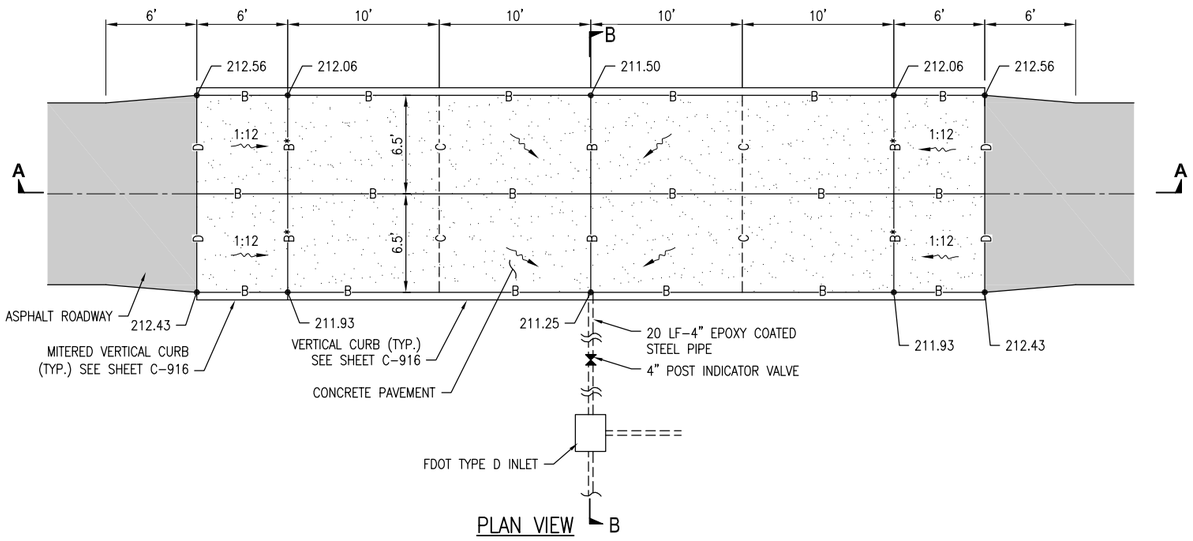
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

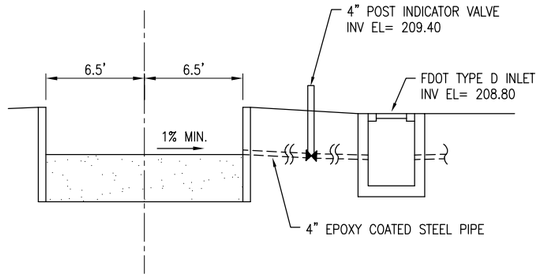
NOT RELEASED FOR CONSTRUCTION BY DATE / /

CIVIL DETAILS:
SITE ELEMENTS

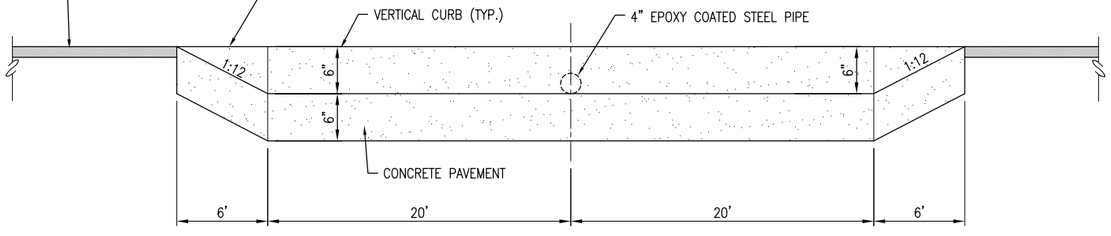
C-912



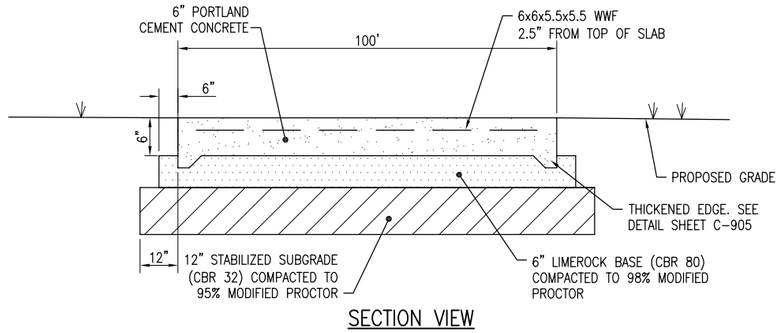
PLAN VIEW



SECTION B – B



SECTION A – A



SECTION VIEW

FUEL TRUCK CONTAINMENT PIT

NOT TO SCALE

NOTES

1. AREA SURROUNDING FUEL PITS SHALL BE FREE OF OBSTRUCTIONS AND ROUGH GRADED TO THE EXTENT NECESSARY TO REDUCE DAMAGE TO AIRCRAFT IN THE EVENT OF AN EMERGENCY LANDING.
2. SEE SHEET C-915 FOR CONSTRUCTION JOINT DETAILS.
3. IN-SITU SOILS MAY BE UTILIZED FOR BASE AND SUBGRADE COURSES SHOWN ON THIS SHEET, AS DIRECTED IN THE GEOTECHNICAL REPORT. CONTRACTOR SHALL MIX SOIL ADDITIVES INTO EXISTING SOILS AS REQUIRED TO MEET THE SPECIFIED COMPACTION REQUIREMENTS.

CONSTRUCTION JOINT LEGEND:

C = EXPANSION JOINT

A = CONTRACTION JOINT

B = CONSTRUCTION JOINT

B* = CONSTRUCTION JOINT W/#5 RSB DOWEL

E = THICKENED EDGE

D = THICKENED EDGE EXPANSION JOINT

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

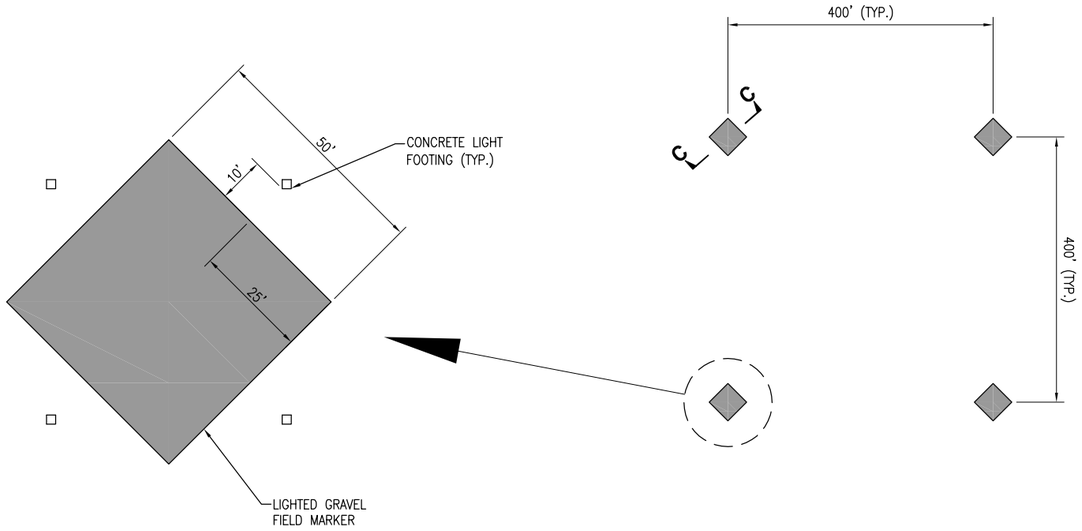
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE / /

CIVIL DETAILS:
SITE ELEMENTS

C-913



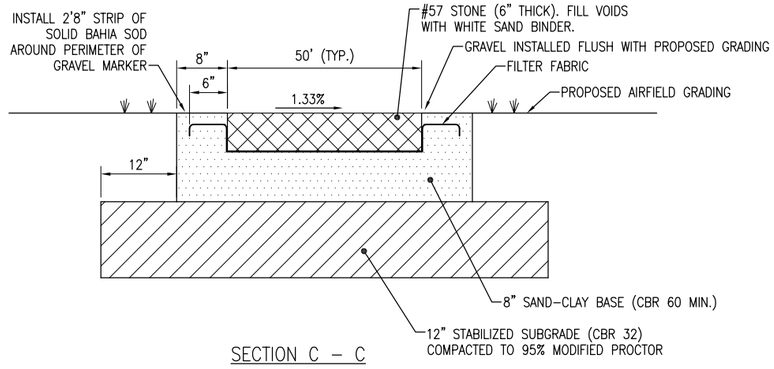
PLAN VIEW

LIGHTED GRAVEL FIELD MARKER

NOT TO SCALE

NOTES

1. TWO GRAVEL FIELD MARKERS PER LOCATION SHALL BE LIGHTED. SEE SHEET C-111 FOR LOCATIONS OF LIGHTED FIELD MARKERS.
2. SEE ELECTRICAL PLANS FOR LIGHTING DETAILS.



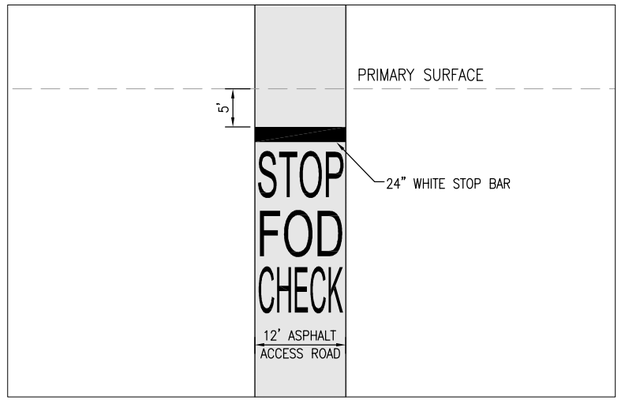
SECTION C – C

GRAVEL FIELD MARKER

NOT TO SCALE

NOTES

1. IN-SITU SOILS MAY BE UTILIZED FOR BASE AND SUBGRADE COURSES SHOWN ON THIS SHEET, AS DIRECTED IN THE GEOTECHNICAL REPORT. CONTRACTOR SHALL MIX SOIL ADDITIVES INTO EXISTING SOILS AS REQUIRED TO MEET THE SPECIFIED COMPACTION REQUIREMENTS.



FOD CHECK PAVEMENT MARKING DETAIL

NOT TO SCALE

NOTES

1. WORD MARKINGS SHALL BE REFLECTIVE WHITE.
2. LETTERS SHALL BE 6 FEET IN HEIGHT.
3. PAVEMENT WORK MARKING SHALL BE PROPORTIONALLY SPACED TO FIT THE WIDTH OF THE ROADWAY.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

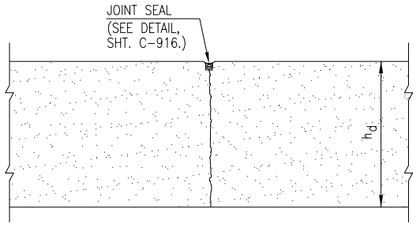
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

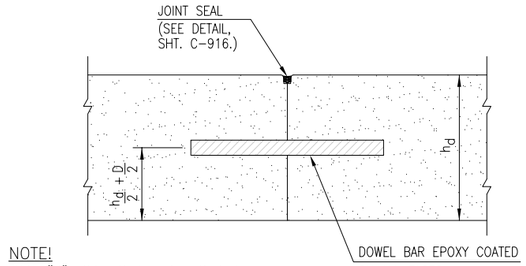
NOT RELEASED FOR CONSTRUCTION BY DATE / /

CIVIL DETAILS:
SITE ELEMENTS

C-914

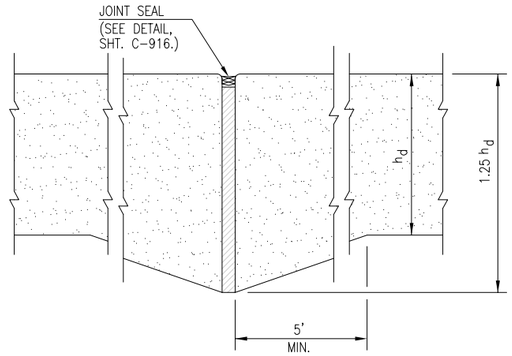


TYPE A
DUMMY TRANSVERSE
CONTRACTION JOINT
NOT TO SCALE

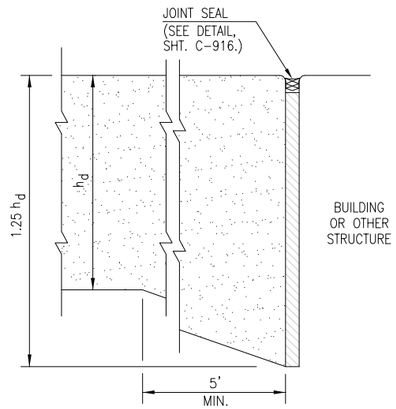


NOTE!
TYPE "B" JOINT SHALL BE USED IN PLACE OF TYPE "A" TRANSVERSE CONTRACTION JOINT IF CONCRETE PLACEMENT ENDS WITHIN A PAVING LANE.

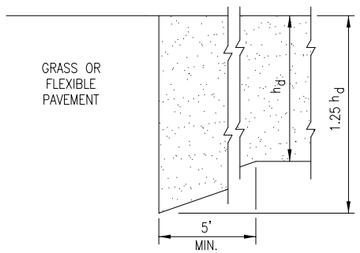
TYPE B
DOWELED TRANSVERSE OR LONGITUDINAL
CONSTRUCTION JOINT
NOT TO SCALE



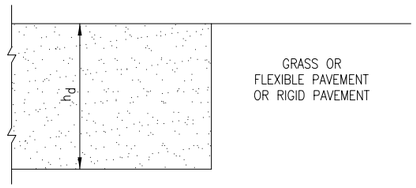
TYPE C
THICKENED EDGE EXPANSION JOINT
NOT TO SCALE



TYPE D
THICKENED EDGE EXPANSION JOINT
NOT TO SCALE



TYPE E
THICKENED EDGE BUTT
CONSTRUCTION JOINT
NOT TO SCALE



TYPE H
TRANSVERSE OR LONGITUDINAL
CONSTRUCTION JOINT
NOT TO SCALE

h_d = NORMAL THICKNESS OF RIGID PAVEMENT SLAB.

D = DIAMETER OF DOWEL BAR.

DOWEL NOTES:

1. O.C. = ON CENTER.
2. ALL DOWELS SHALL BE ¾" DIA., 16" LONG, 12" O.C.
3. FIRST AND LAST DOWEL SHALL BE NO CLOSER THAN 12" FROM JOINT LINES.
4. NUMBER OF DOWELS PER DOWELED SIDE OF SLAB SHALL BE BASED ON JOINT SPACING INDICATED ON PLANS.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANKSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

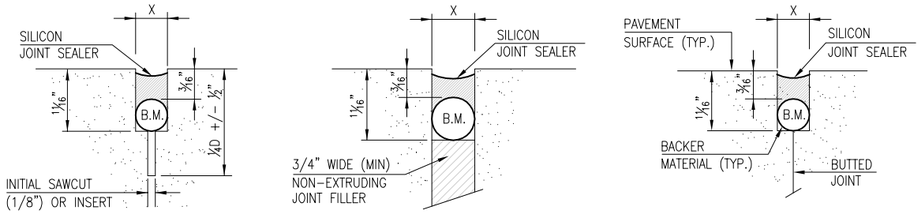
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY / / DATE

CIVIL DETAILS:
SITE ELEMENTS

C-915



CONTRACTION JOINTS | EXPANSION JOINTS | CONSTRUCTION JOINTS (DOWELED)

SILICON JOINT SEAL DETAILS

N.T.S.

SILICON JOINT SEALING DATA		
JOINT TYPE	X	
	MAX.	MIN.
CONTRACTION	3/8"	--
CONSTRUCTION	3/8"	--
EXPANSION	3/8"	--
SLIP	3/8"	--

* JOINT WIDTH SHALL BE AS INDICATED OR AS PER JOINT SEALANT MANUFACTURER'S RECOMMENDATION FOR SPECIFIED JOINT WIDTHS.

NOTES:

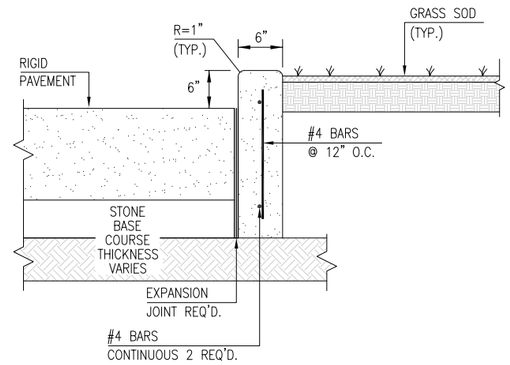
A. PREFORMED FILLER MAY BE FIBERBOARD OR OTHER APPROVED MATERIAL WHICH CAN BE SAWED OR SECTION REMOVED TO FORM SEALANT RESERVOIR.

B. TOP OF SEALANT SHALL BE AT LEAST 1/4" TO 1/16" BELOW TOP OF PAVEMENT. IN AREAS TO BE GROOVED, THE JOINT SEAL SHALL BE RECESSED BELOW THE DEPTH OF THE GROOVES.

C. FUEL RESISTANT JOINT SEALANT SHALL BE USED FOR SEALING ALL JOINTS IN HELIPAD PCC PAVEMENT.

CARING OF JOINTS AFTER INITIAL SAW CUTS

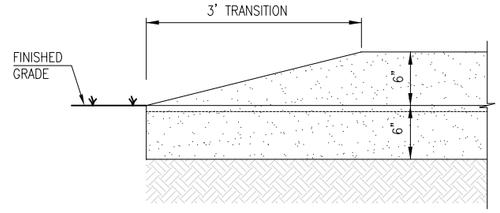
THE SURFACE SHALL BE RESPRAYED WITH CURING COMPOUND AS SOON AS FREE WATER DISAPPEARS. NECESSARY PRECAUTIONS SHALL BE TAKEN TO INSURE THAT THE CONCRETE IS PROPERLY PROTECTED FROM DAMAGE AND CURED AT SAWED JOINTS. THE TOP OF THE JOINT OPENING AND THE JOINT GROOVE AT EXPOSED EDGES SHALL BE TIGHTLY SEALED WITH CORD BACKER ROD BEFORE THE CONCRETE IN THE REGION OF THE JOINT IS RESPRAYED WITH CURING COMPOUND, AND SHALL BE MAINTAINED UNTIL REMOVED IMMEDIATELY BEFORE SAWING THE JOINT SEALANT RESERVOIR.



NOTE: PROVIDE MITER AT END OF CURB NOT JOINED TO EXISTING CURB OR SIDEWALK (TYP.) ALL LOCATIONS.

VERTICAL CURB DETAIL ADJOINING RIGID PAVEMENT

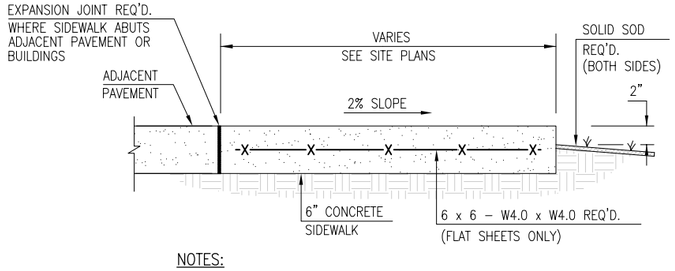
N.T.S.



NOTE: PROVIDE MITER AT END OF CURB NOT JOINED TO EXISTING CURB OR SIDEWALK (TYP.) ALL LOCATIONS.

MITERED CURB DETAIL

N.T.S.



NOTES:

1. 2 STRIPS SOLID SOD REQ'D. (MINIMUM, UNLESS SHOWN OR NOTED OTHERWISE) ALONG ALL SIDEWALKS.

SIDEWALK DETAIL

N.T.S.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANKSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY / / DATE

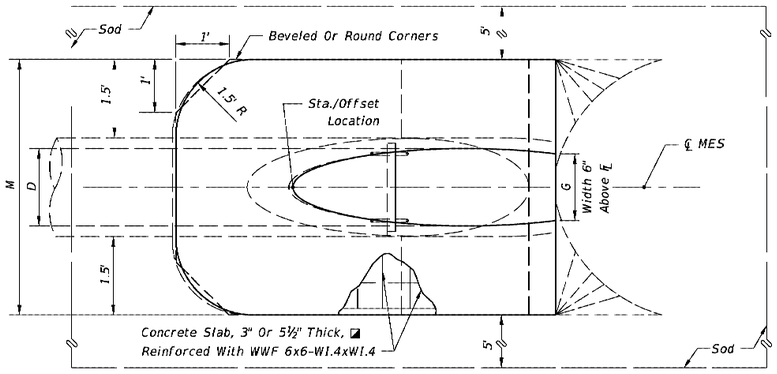
CIVIL DETAILS:
SITE ELEMENTS

C-916

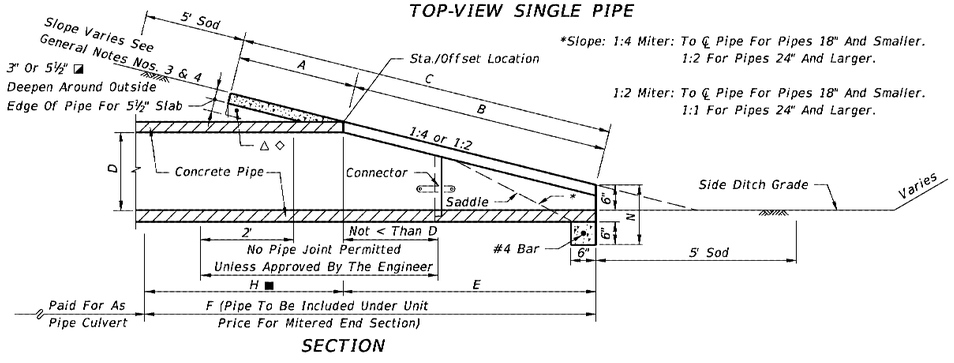
G:\DWG\258\25898.04 OLF-X-ESDC\DWG\OLF-X\Sitework\C-900 Dtls.dwg, Jan 26, 2018 - 11:30:48AM, rgeiger

DIMENSIONS AND QUANTITIES

	D	X	A	B	C	E	F	G	H ■	M				N	5½" CONCRETE SLAB (CY) ◪				SODDING (SY)			
										Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe		Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe
1:2 Slope	15"	2'-7"	1.92'	2.18'	4.10'	2.06'	5'	1.22'	2.9'	4.63'	7.21'	9.79'	12.37'	1.19'	0.38	0.58	0.77	0.96	21	24	27	30
	18"	2'-10"	1.97'	2.74'	4.71'	2.56'	6'	1.41'	3.4'	4.92'	7.75'	10.58'	13.42'	1.21'	0.44	0.65	0.87	1.09	22	25	28	31
	24"	3'-5"	2.06'	3.85'	5.91'	3.56'	7'	1.73'	3.4'	5.50'	8.92'	12.33'	15.75'	1.25'	0.54	0.83	1.12	1.42	24	28	32	35
	30"	4'-3"	2.15'	4.95'	7.10'	4.56'	8'	2.00'	3.4'	6.08'	10.33'	14.58'	18.83'	1.29'	0.66	1.09	1.50	1.91	26	31	35	40
	36"	5'-1"	2.25'	6.08'	8.33'	5.56'	9'	2.24'	3.4'	6.67'	11.75'	16.83'	21.92'	1.33'	0.81	1.38	1.95	2.51	28	34	39	45
	42"	6'-0"	2.34'	7.21'	9.55'	6.56'	10'	2.45'	3.4'	7.25'	13.25'	19.25'	25.25'	1.38'	0.97	1.70	2.45	3.19	30	37	43	50
	48"	6'-9"	2.43'	8.33'	10.76'	7.56'	11'	2.65'	3.4'	7.83'	14.58'	21.33'	28.08'	1.42'	1.13	2.04	2.93	3.84	32	39	47	54
	54"	7'-8"	2.52'	9.44'	11.96'	8.56'	12'	2.83'	3.4'	8.42'	16.08'	23.75'	31.42'	1.46'	1.31	2.44	3.58	4.72	34	42	51	59
	60"	8'-6"	2.62'	10.56'	13.18'	9.56'	14'	3.00'	4.4'	9.00'	17.50'	26.00'	34.50'	1.50'	1.51	2.89	4.28	5.68	36	45	55	64
	66"	9'-2"	2.71'	11.68'	14.39'	10.56'	15'	3.18'	4.4'	9.58'	18.75'	27.92'	37.08'	1.54'	1.68	3.25	4.84	6.43	38	48	58	68
	72"	10'-0"	2.80'	12.80'	15.60'	11.56'	16'	3.30'	4.4'	10.16'	20.16'	30.16'	40.16'	1.58'	1.89	3.74	5.59	7.45	40	51	62	73
1:4 Slope	15"	2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.0'	4.63'	7.21'	9.79'	12.37'	1.19'	0.57	0.87	1.15	1.44	23	26	29	32
	18"	2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.0'	4.92'	7.75'	10.58'	13.42'	1.21'	0.66	0.99	1.31	1.65	25	28	31	35
	24"	3'-5"	2.53'	7.18' △	9.71'	7.03' △	11'	1.73'	4.0'	5.50'	8.92'	12.33'	15.75'	1.25'	0.85	1.30	1.75	2.20	28	32	36	40
	30"	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	4.0'	6.08'	10.33'	14.58'	18.83'	1.29'	1.10	1.74	2.39	3.05	31	36	41	46
	36"	5'-1"	2.87'	11.31' ◇	14.18'	11.03' ◇	15'	2.24'	4.0'	6.67'	11.75'	16.83'	21.92'	1.33'	1.32	2.21	3.08	3.96	34	40	46	52
	42"	6'-0"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	4.0'	7.25'	13.25'	19.25'	25.25'	1.38'	1.58	2.76	3.91	5.09	38	44	51	58
	48"	6'-9"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	4.0'	7.83'	14.58'	21.33'	28.08'	1.42'	1.85	3.30	4.73	6.17	41	48	56	63
	54"	7'-8"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	4.0'	8.42'	16.08'	23.75'	31.42'	1.46'	2.14	3.95	5.77	7.58	44	52	61	69
	60"	8'-6"	3.56'	19.55'	23.11'	19.03'	23'	3.00'	4.0'	9.00'	17.50'	26.00'	34.50'	1.50'	2.45	4.66	6.87	9.07	47	56	66	75
	66"	9'-2"	3.73'	21.62'	25.35'	21.03'	25'	3.18'	4.0'	9.58'	18.75'	27.92'	37.08'	1.54'	2.88	5.54	8.18	10.84	49	59	69	80
	72"	10'-0"	3.91'	23.68'	27.59'	23.03'	27'	3.30'	4.0'	10.16'	20.16'	30.16'	40.16'	1.58'	3.54	6.61	9.87	13.13	52	63	74	85



TOP-VIEW SINGLE PIPE



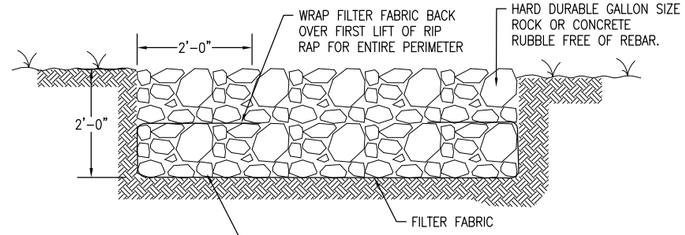
SECTION

*Slope: 1:4 Miter: To ℄ Pipe For Pipes 18" And Smaller.
1:2 For Pipes 24" And Larger.

1:2 Miter: To ℄ Pipe For Pipes 18" And Smaller.
1:1 For Pipes 24" And Larger.

SINGLE ROUND CONCRETE PIPE MITERED END SECTION

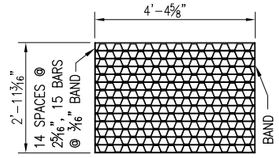
NOT TO SCALE



SEE PLANS FOR TOTAL AREA OF RIP RAP PLACEMENT

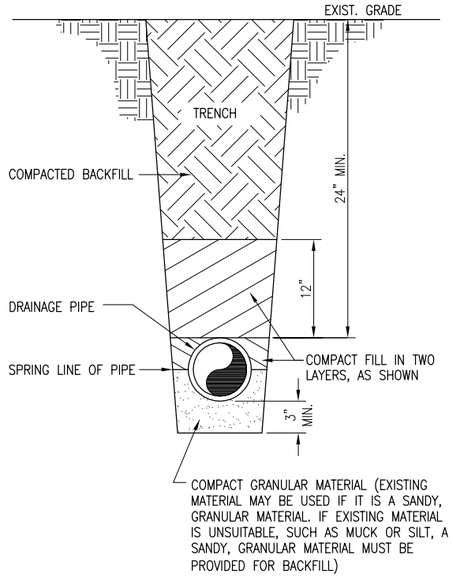
RIP RAP DETAIL

NOT TO SCALE



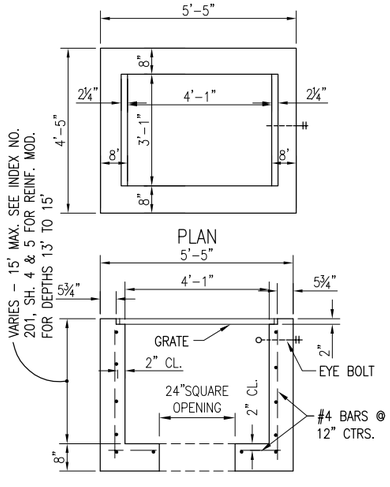
TYPE D

STRAIGHT BARS 2"x ⅜"
RETICULINE BARS 1¼"x ⅜"
BANDS APPROX. 1½"x ¼"
WEIGHT 180 LBS.



TYPICAL STORM PIPE BEDDING

NOT TO SCALE



SECTION

1. SEE FDOT DESIGN STANDARD INDEX No. 232 (LATEST EDITION) FOR MORE DETAIL AND GENERAL NOTES.
2. RECOMMENDED MAXIMUM PIPE SIZE: 3'-1" WALL-24" PIPE
   4'-1" WALL-36" PIPE

FDOT TYPE D INLET

NOT TO SCALE

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

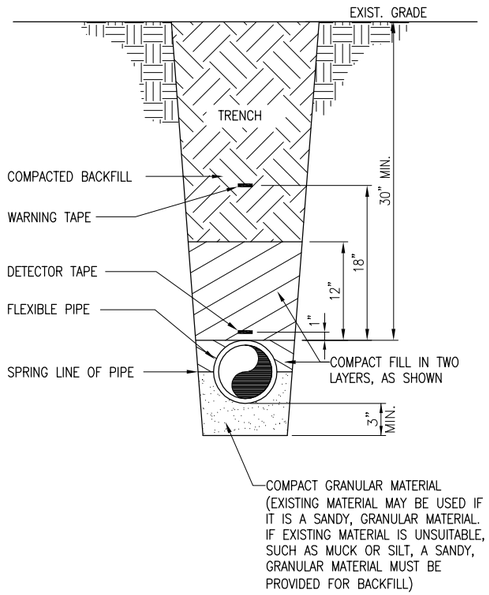
OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN	DATE
	1/26/2018	MDL	RELEASED FOR BID	
			NOT RELEASED FOR CONSTRUCTION BY	

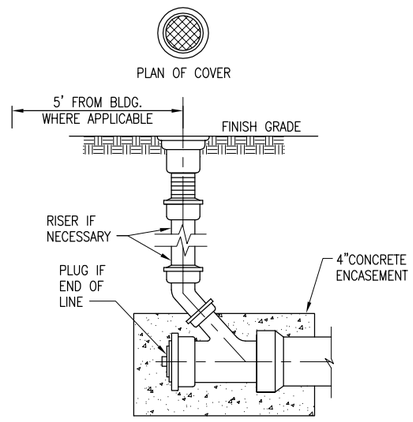
PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

CIVIL DETAILS: DRAINAGE

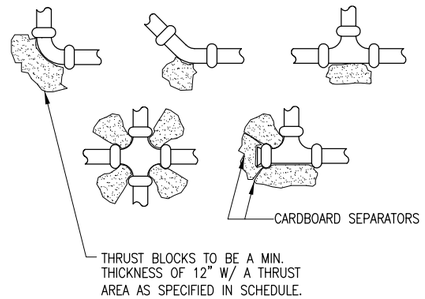
C-930



TYPICAL UTILITY PIPE BEDDING DETAIL
NOT TO SCALE



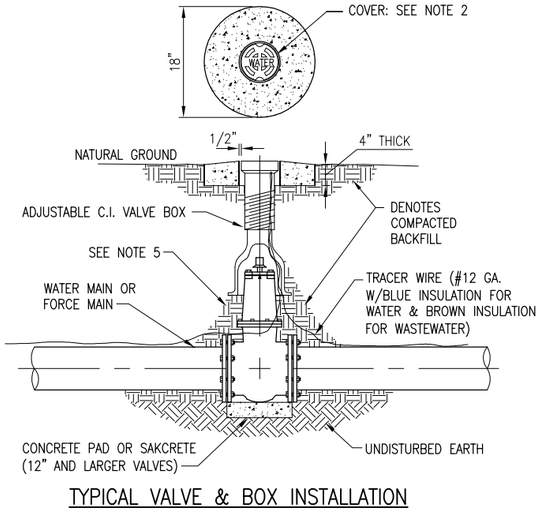
SANITARY SEWER CLEANOUT
NOT TO SCALE



	CAP OR TEE	90° BEND	45° BEND	22.5° BEND
2"	1.0 S.F.	1.0 S.F.	1.0 S.F.	1.0 S.F.
3"	1.3 S.F.	1.8 S.F.	1.0 S.F.	1.0 S.F.
4"	2.6 S.F.	3.7 S.F.	1.8 S.F.	1.0 S.F.
6"	4.8 S.F.	6.8 S.F.	3.7 S.F.	1.9 S.F.
8"	8.1 S.F.	11.4 S.F.	6.2 S.F.	3.2 S.F.
10"	11.7 S.F.	16.5 S.F.	8.9 S.F.	4.6 S.F.

THRUST BLOCK SCHEDULE
NOT TO SCALE

NOTES:
1. VALVE BOX AND BOOT SHALL BE CAST IRON.
2. VALVE COVER SHALL BE MARKED "WATER" OR "SEWER" AS APPLICABLE.
3. VALVE BOX TOP SHALL BE FLUSH WITH FINISHED GRADE OR 1/2" ABOVE NATURAL GROUND LEVEL.
4. GATE VALVE SHALL BE RESILIENT SEAT WITH MECHANICAL JOINT ENDS OR APPROVED EQUAL.
5. EARTH UNDER FLANGE OF VALVE BOX & COLLAR TO BE FIRM AND WELL TAMPED TO ENSURE AGAINST VALVE BOX SETTLING.



TYPICAL VALVE & BOX INSTALLATION
NOT TO SCALE

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

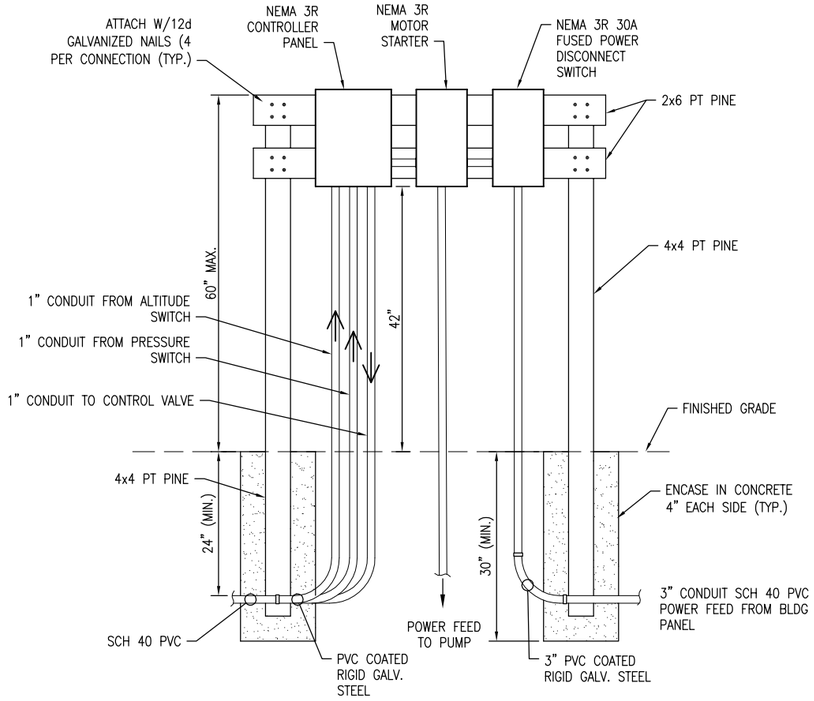
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE / /

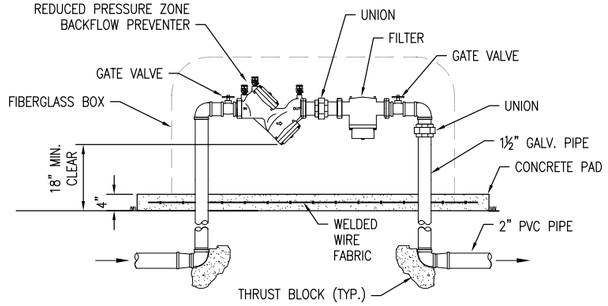
CIVIL DETAILS: UTILITY

C-940



TYPICAL PUMP CONTROL PANEL DETAIL

NOT TO SCALE

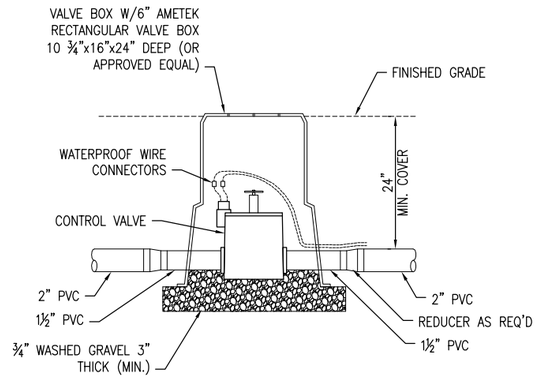


TYPICAL BACKFLOW PREVENTER DETAIL

NOT TO SCALE

NOTES:

1. PROVIDE FIBERGLASS BACKFLOW ENCLOSURE FOR FREEZE PROTECTION. SIZE CONC. SLAB TO MATCH ENCLOSURE DIMENSIONS.
2. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF BACKFLOW DEVICE, FILTER AND FREEZE PROTECTION ENCLOSURE FOR REVIEW AND APPROVAL.
3. FILTER SHALL BE AMIAD SUPER T 100 MESH (OR APPROVED EQUAL.)

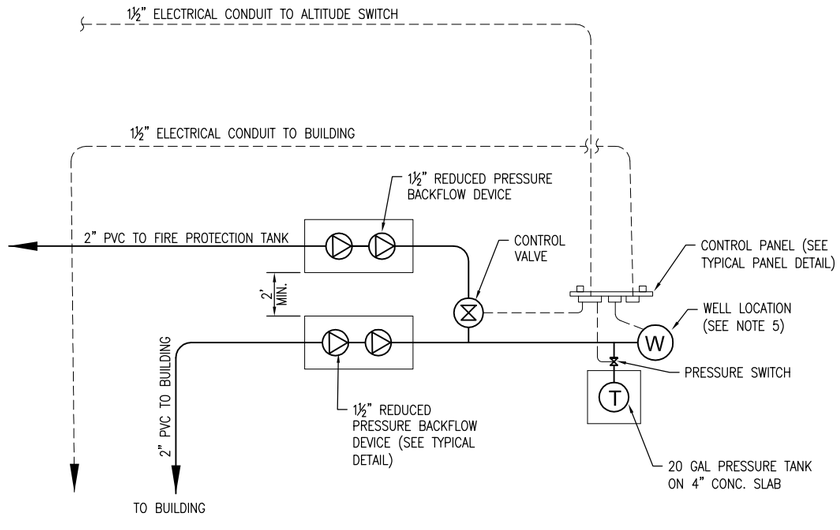


TYPICAL CONTROL VALVE

NOT TO SCALE

NOTES:

1. CONTROL VALVE SHALL BE NIBCO T-113 SERIES GATE VALVE (OR APPROVED EQUAL.)
2. VALVE BOX SHALL BE AMETEK RECTANGULAR – 24" DEEP (OR APPROVED EQUAL.)
3. CONTRACTOR TO SUBMIT SHOP DRAWING FOR REVIEW AND APPROVAL.



WELL SITE PLAN SCHEMATIC

NOT TO SCALE

NOTES:

1. PUMP SPECIFICATIONS
   3 HP SUBMERSIBLE (STA-RITE GOULDS, GRUNDFOS, OR APPROVED EQUAL)
   230V/SINGLE PHASE
   4" (MIN.) WELL CASING
   MIN. DEMAND: 36 GPM @ 55 PSI
2. UNLESS OTHERWISE NOTED ABOVE GROUND PIPE SHALL BE GALVANIZED. BELOW GROUND PIPE SHALL BE CLASS 200 PVC W/SCH 40 PVC SOLVENT WELD FITTINGS.
3. WELL, PUMP AND EQUIPMENT TO BE INSTALLED BY STATE LICENSED AND CERTIFIED CONTRACTOR. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS FROM NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT.
4. PUMP, CONTROLLER, PRESSURE TANK AND EQUIPMENT SHALL BE PROVIDED AS A PACKAGE. SHOP DRAWINGS SHALL BE PROVIDED FOR REVIEW AND APPROVAL.
5. WELL SHALL BE LOCATED A MINIMUM OF 75' FROM SANITARY SEWER SEPTIC TANK.
6. ELECTRICAL CONDUIT SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE (NEC) AND FLORIDA BUILDING CODE (LATEST EDITION.)
7. MINIMUM CONDUIT BURIAL DEPTH IS 24" BELOW FINISHED GRADE MEASURED TO THE TOP OF THE CONDUIT.
8. TRANSITION FROM SCH 40 PVC TO PVC COATED RIGID GALV. STEEL PRIOR TO MAKING THE 90° UPWARD TURN AND DAYLIGHTING.
9. ALL PRODUCTS SHALL BE UL LISTED.
10. ALL STARTERS SHALL BE NEMA RATED. IEC RATED STARTERS ARE NOT ALLOWED.
11. COORDINATE WELL PUMP CONTROLS AND STARTING REQUIREMENTS WITH FIRE PUMP CONTRACTOR.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

MICHAEL D. LANGSTON, P.E.
FL Reg. Engineer #49463

OLF-X
PHASE II - AIRFIELD

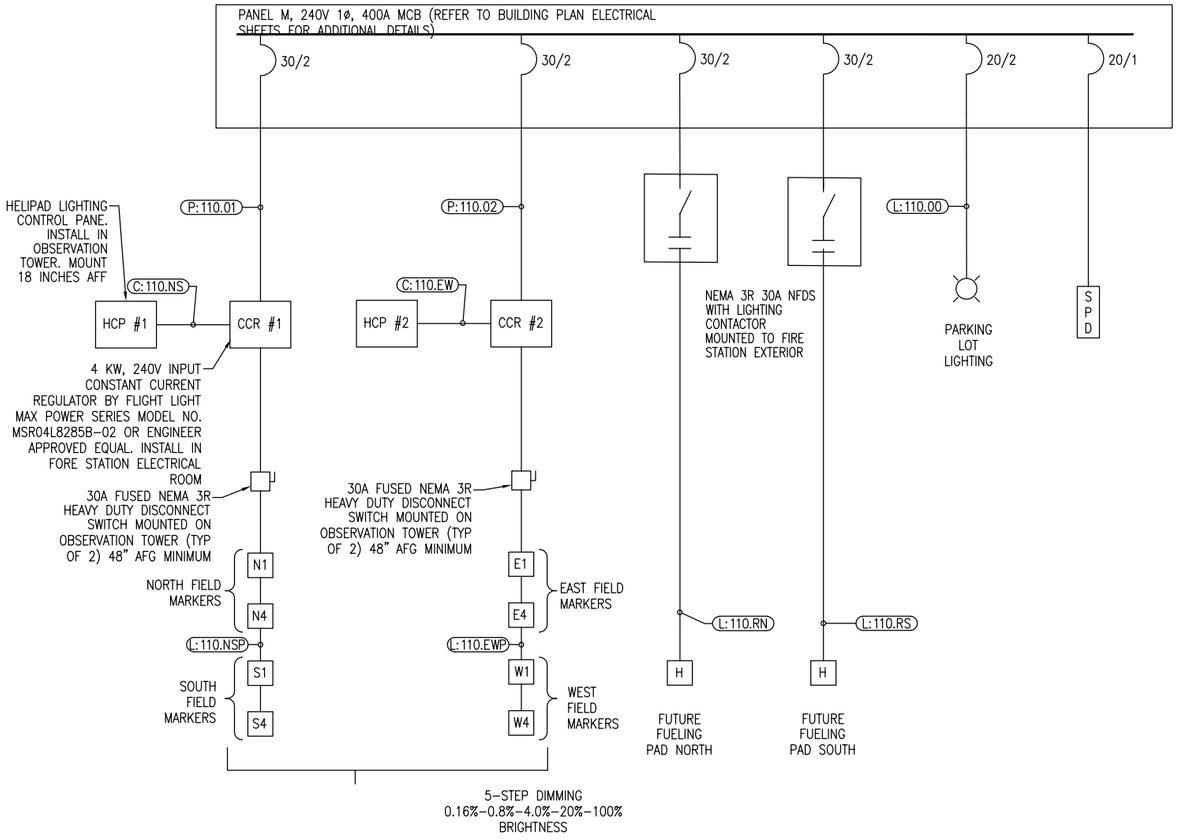
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: WBW
DRAWN BY: RGG
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE / /

CIVIL DETAILS: UTILITY

C-941



C1 HELIPAD NAVIGATIONAL POWER AND CONTROL DIAGRAM

NOT TO SCALE

CABLE/CONDUIT SCHEDULE								
CIRCUIT ID	CONDUCTORS	NEUTRAL CONDUCTOR	GROUND CONDUCTOR	DIMMING CONTROL	CONDUIT SIZE	FEEDING EQPT (SOURCE)	SERVING EQPT (LOAD)	DESCRIPTION
P:110.00	(3) #3/0	–	(1) #6	–	2"	MAIN PANEL	PANEL T	240V, 1ø
P:110.01	(3) #8	–	(1) #12	–	1"	PANEL M	CCR #1	240V, 1ø
P:110.02	(3) #8	–	(1) #12	–	1"	PANEL M	CCR #2	240V, 1ø
C:110.NS		–	(1) #10	(8) #10	1"	CCR #1	HCP #1	DIMMING CONTROL
L:110.NSP (1)(2)	(1) #6	–	(1) #6		1-1/2"	CCR #1	N1, N4, S1, AND S4 FIELD MARKER LIGHTS	SERIES LOOP CONSTANT CURRENT
L:110.EWP (1)(2)	(1) #6	–	(1) #6		1-1/2"	CCR #2	E1, E4, W1, AND E4 FIELD MARKER LIGHTS	SERIES LOOP CONSTANT CURRENT
C:110.EW	–	–	(1) #10		1"	CCR #2	HCP #2	DIMMING CONTROL
L:110.RN	–	–	–	–	(2) 1"C	HELIPAD LIGHTING CONTROL PANEL	FUELING PAD 1	240V, 1ø
L:110.RS	–	–	–	–	(2) 1"C	HELIPAD LIGHTING CONTROL PANEL	FUELING PAD 2	240V, 1ø
L:110.00		(1) #12	(1) #12	(1) #12	–	PANEL M	PARKING LOT LIGHT	120V

NOTES:
(1) XLP CABLE RATED AT 5000 VOLTS COMPLYING WITH FAA-AC-150/5345-7 SPECIFICATION L-824, TYPE C. USE TWO CONDUCTOR 600 VOLT No. 12 AWG, STRANDED FAA L-824, TYPE C FOR SECONDARY CONDUCTORS.
(2) DIRECT BURIAL OF CABLE IS NOT ALLOWED. INSTALL IN CONDUIT.

SITEWORK ELECTRICAL CALCULATIONS PER UFC 3-501-01 SECTION 3-2.2						
SECTION	DESCRIPTION	NOTES				
3-2.3	LOAD ANALYSIS	1				
3-2.4	SHORT CIRCUIT ANALYSIS	1				
3-2.5	TCC STUDY	1				
3-2.6	ARC FLASH ANALYSIS	1				
3-2.7	VOLTAGE DROP	2				
3-2.8	MOTOR STARTING / FLICKER ANALYSIS	3				
3-2.9	LIGHTING	1				
3-2.10	UNDERGROUND STRUCTURE DESIGN	4				
3-2.11	CABLE PULLING TENSION	5				
3-2.12	DIRECTIONAL BORING	6				
3-2.13	SAG, TENSION & GUYING	7				
3-2.14	CATHODIC PROTECTION	1				
3-2.15	LIGHTNING PROTECTION	1				
3-2.16	CATV NETWORK LOSS	1				
3-2.17	ESS	1				
3-2.18	RENEWABLE ENERGY	1				
NOTES:						
1. NOT APPLICABLE TO SITEWORK ELECTRICAL						
2. SEE VOLTAGE DROP TABLE THIS SHEET						
3. NOT APPLICABLE. WELL PUMP MOTOR IS LESS THAN 25 HP						
4. NOT APPLICABLE. NO UNDERGROUND STRUCTURES						
5. NOT APPLICABLE. LONGEST PULL IS LIMITED TO 500 FT.						
6. NOT APPLICABLE. CONDUITS INSTALLED VIA TRENCHING AND PLACEMENT						
7. NOT APPLICABLE. GUYING PROVIDED AND INSTALLED BY UTILITY						

SITEWORK ELECTRICAL VOLTAGE DROP CALCULATIONS PER UFC 3-501-01 SECTION 3-2.7						
SOURCE	LOAD	LOAD (A)	WIRE SIZE (AWG)	RATED VOLTAGE (V)	MAX DISTANCE FOR 2% VDROP (FT)	ACTUAL DISTANCE (FT)
PANEL M	CCR #1	30	8	240	115	40
PANEL M	CCR #2	30	8	240	115	40
PANEL M	WELL PUMP	17	8	240	205	105
CCR #1	NORTH/SOUTH HELIPADS	6.6	6	24	NOTE 3	N/A
CCR #2	EAST/WEST HHELIPADS	6.6	6	24	NOTE 3	N/A
Notes:						
1. Calculations performed with Southwire Voltage Drop Calcuator						
2. Goal is to limit voltage drop to less than 2%						
3. Not applicable because the circuit is a series loop with a constant current and variable voltage delivered by a constant current regulator						

CCR #1 NS LOAD CALCULATIONS	
PAD	LOAD (MAX)
N1	50VA
N4	50VA
S1	50VA
S4	50VA

CCR #2 EW LOAD CALCULATIONS	
PAD	LOAD (MAX)
E1	50VA
E4	50VA
W1	50VA
W4	50VA

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

DWD K. BARNES P.E.
FL Reg. Engineer #65525

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: DKB
DRAWN BY: JDR
CHK'D BY: DKB
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE / /

ELECTRICAL SINGLE-LINE DIAGRAM

E-010

GENERAL SHEET NOTES

1. THE ESCAMBIA RIVER ELECTRIC COOPERATIVE (EREC) SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING PRIMARY ELECTRICAL SERVICE AS SHOWN ON THIS DRAWING. THE EREC SCOPE INCLUDES:

- OVERHEAD (OHE)–TO–UNDERGROUND (UGE) RISER HARDWARE INSTALLED ON THE EXISTING ELECTRICAL SERVICE POLE LOCATED ON THE SOUTHWEST CORNER OF THE PROPERTY AS SHOWN ON THE DRAWING.
- ADDITIONAL GUYING OF THE EXISTING SERVICE POLE
- AVIATION WARNING HARDWARE INSTALLED ON EXISTING OVERHEAD POWER LINES
- PRIMARY METERING AT THE OHE–TO–UGE RISER POLE
- PRIMARY CONDCUTOR(S) INSTALLED IN 2 INCH SCH 80 PVC DOWN THE RISER POLE
- UNDERGROUND PRIMARY SERVICE CONDUIT AND CONDUCTORS, AND ASSOCIATED
- TRENCHING, BACKFILL AND COMPACTION
- PULL BOXES AS REQUIRED FOR UNDERGROUND PRIMARY SERVICE. PULL BOXES INSTALLED WITHIN THE TRAINING FACILITY'S PROPERTY LINES BE INSTALLED EITHER BELOW GRADE OR FLUSH WITH GRADE .
- 50kVA MV–TO–240V SINGLE PHASE PADMOUNT TRANSFORMER INSTALLED ON FIBERGLASS PAD

2. AT&T SHALL BE RESPONSIBLE FOR INSTALLING OVERHEAD TELEPHONE AND DATA LINES ON EXISTING EREC POWER POLES. AT&T AND EREC SHALL NEGOTIATE AND ENTER INTO A JOINT USE AGREEMENT ALLOWING AT & T TO SHARE POLES WITH EREC.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH EREC. EREC CONTACT: ALEX SCANLON, 850–675–7439, ascanlon@erec.com..

4. ELECTRICAL PRIMARY SERVICE SHALL CONSIST OF OKONITE #1/0 UNDERGROUND CABLE WITH CONCENTRIC NEUTRAL IN 2" SCH 80 PVC INSTALLED 48 INCHES BELOW FINISHED GRADE MINIMUM. CONTRACTOR SHALL ESTABLISH FINISHED GRADE ELEVATION PRIOR TO INSTALLATION. EREC SHALL BE RESPONSIBLE FOR TRENCHING, BACKFILLING AND COMPACTION.

5. SERVICE CONDUCTORS ARE PROHIBITED FROM BEING INSTALLED BENEATH HELICOPTER LANDING PADS/SITES

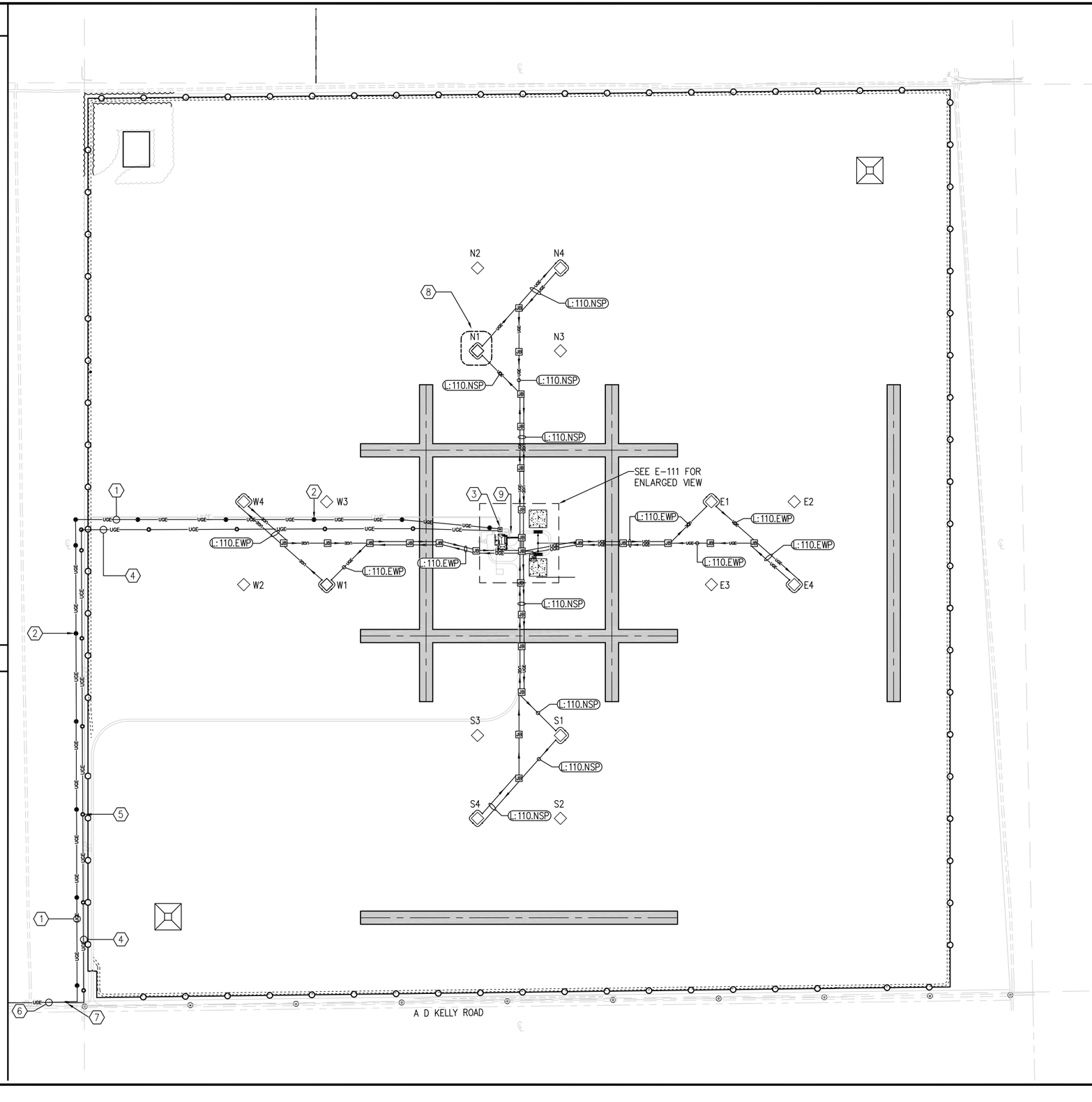
6. MAXIMUM LENGTH OF A SINGLE UNDERGROUND PRIMARY CONDUCTOR PULL IS 500 FEET. PROVIDE PULL BOXES AS SHOWN.

7. MAINTAIN A MINIMUM 4 FOOT SEPARATION BETWEEN UNDERGROUND PRIMARY SERVICE CONDUCTORS AND ALL OTHER UTILITIES INCLUDING BUT NOT LIMITED TO WATER, SEWER, DRAINAGE, TELEPHONE, DATA, IRRIGATION, GAS AND OTHER UTILITIES.

8. AT&T SHALL INSTALL CONDUIT AND CONDUCTORS AS REQUIRED TO PROVIDE TELEPHONE AND DATA SERVICE TO THE CRASH BUILDING.

SHEET KEYNOTES

1. UNDERGROUND PRIMARY ELECTRIC BY EREC CONSISTING (1) OKONITE #1/0 CABLE WITH CONCENTRIC NEUTRAL IN 2" SCH 80 PVC
2. UNDERGROUND ELECTRICAL PULL BOX WITH COVER FLUSH WITH GRADE BY EREC. INSTALL EVERY 700 FT MAX (TYPICAL)
3. 100kVA 240V SINGLE PHASE PADMOUNT TRANSFORMER BY EREC. LOCATE 15 FEET FROM BUILDING MAX.
4. UNDERGROUND TELEPHONE AND DATA BY AT&T. MAINTAIN 4 FOOT SEPARATION FROM UNDERGROUND PRIMARY
5. UNDERGROUND PULL BOX WITH FLUSH WITH GRADE COVER BY AT&T INSTALL EVERY 700 FT MAX (TYPICAL)
6. OVERHEAD ELECTRICAL POWER LINES FROM EREC AND OVERHEAD TELEPHONE LINES BY AT&T. EREC TO INSTALL NAVIGATION AIDES ON POWER LINES
7. EXISTING DUAL USE POWER AND TELEPHONE POLE. EREC TO INSTALL OHE TO UGE RISER HARDWARE. AT&T TO INSTALL OHT TO UGT RISER HARDWARE.
8. SEE FIELD MARKER LIGHTING DETAILS C3 AND C5, SHEET E–120 (TYP).
9. WATER WELL ASSEMBLY. SEE SHEET C–941 FOR DETAILS. PROVIDE AND INSTALL ELECTRICAL AS SHOWN.



0 150' 300' 600'
SCALE: 1" = 300'

G:\DWG\258\25898.04 OLF–X–ESDC\DWG\OLF–X\Sitework\Electrical\E–110 Site Plan.dwg, Jan 26, 2018 – 11:31:04AM, rgeiger

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

DAVID K. BARNES P.E.
FL Reg. Engineer #65525

OLF–X
PHASE II – AIRFIELD

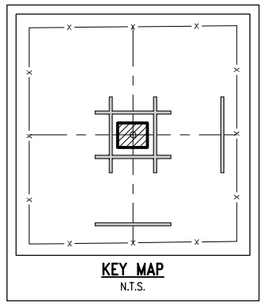
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

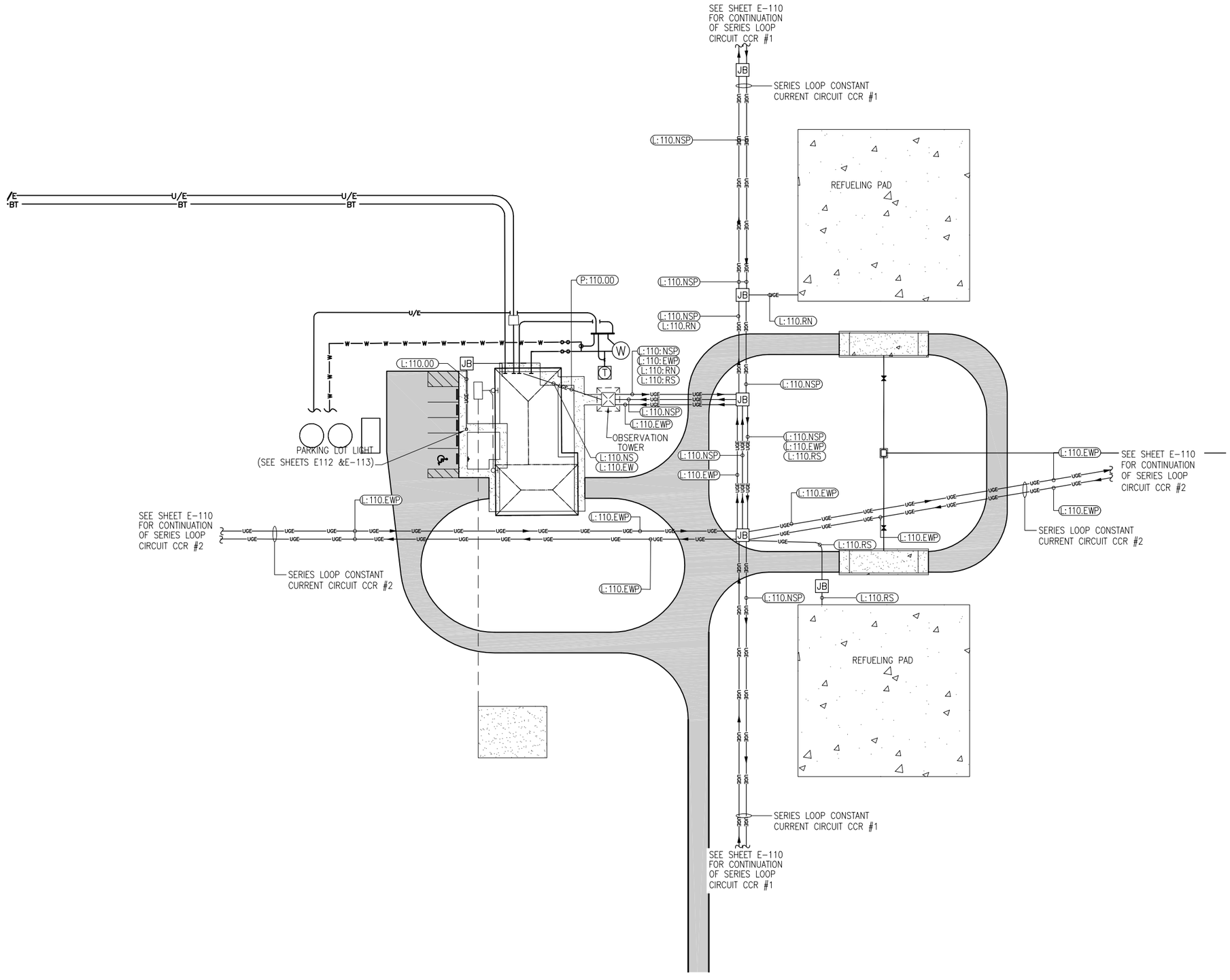
PROJECT NO: 25898.04
DESIGNED BY: DKB
DRAWN BY: RGG
CHK'D BY: DKB
PROJ. MGR: MDL
DATE: JAN 2018 KB

NOT RELEASED FOR CONSTRUCTION BY DATE / /

ELECTRICAL SITE PLAN

E–110





AIRFIELD INFIELD ENLARGEMENT

SCALE: 1" = 30' 0 15' 30' 60'

N

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

DAVID K. BARNES, P.E.
FL Reg. Engineer #65525

OLF-X
PHASE II - AIRFIELD

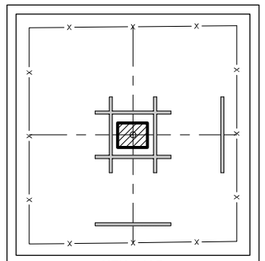
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: DKB
DRAWN BY: JDR
CHK'D BY: DKB
PROJ. MGR: MDL
DATE: JAN 2018

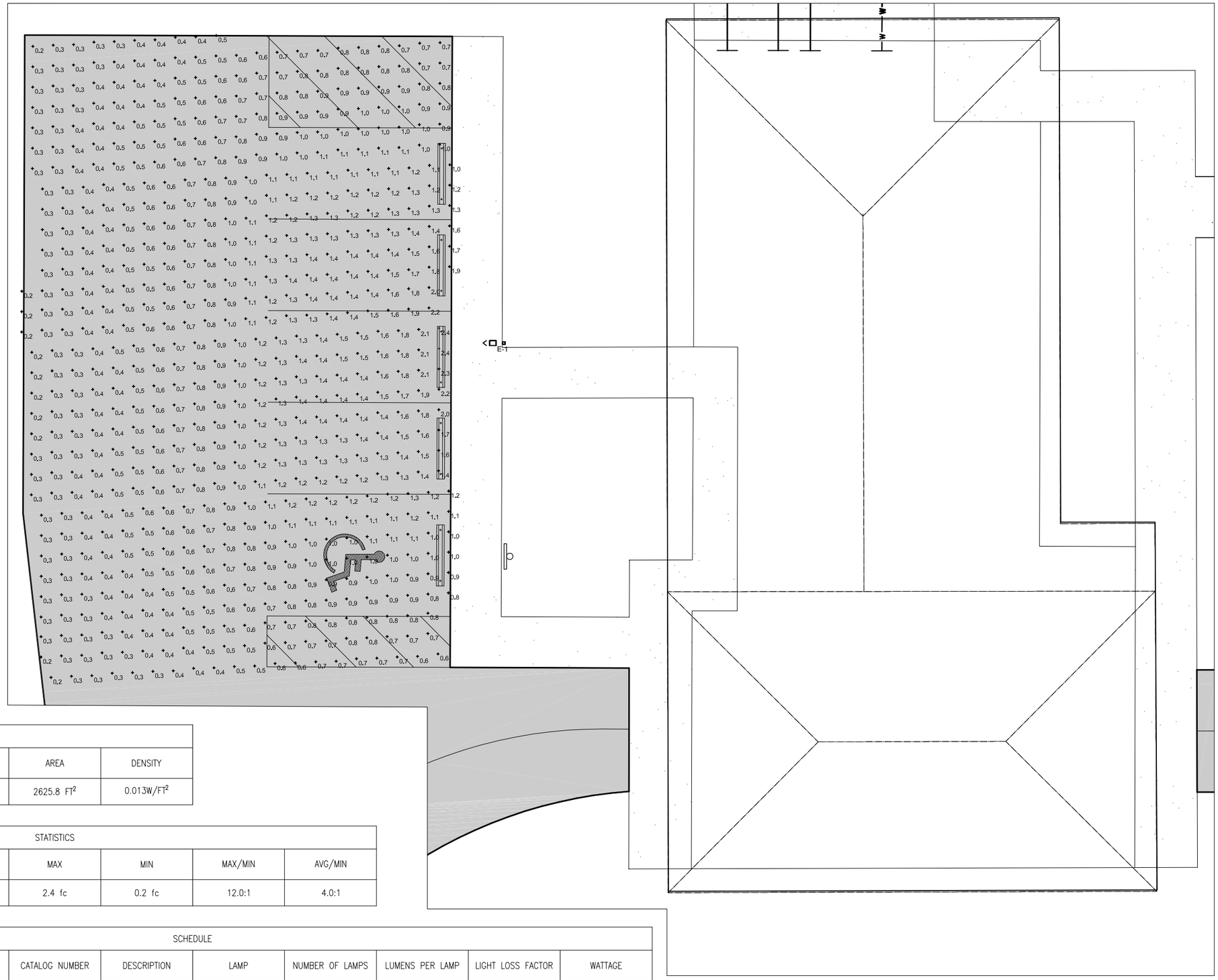
NOT RELEASED FOR CONSTRUCTION BY / DATE

AIRFIELD INFIELD
ELECTRICAL
ENLARGEMENT

E-111



KEY MAP
N.T.S.



LIGHTING CALCULATION NOTES

1. DDATA POINTS SHOWN ARE POINT-BY-POINT LIGHTING CALCULATION FOOT-CANDLES.
2. DATA POINTS ARE CALULATED AT PAVEMENT LEVEL.
3. REQUESTS FO SUBSTITUTION MUST BE ACCOMPAIED WITH POINT-BY-POINT CALCULATIONS IN AN ELECTRONIC FORMAT AND THE FIXTURE IES FILE PRIOR TO BID.

POWER STATISTICS				
DESCRIPTION	# OF LUMINAIRES	TOTAL WATTS	AREA	DENSITY
POWER DENSITY ZONE #1	1	35	2625.8 FT^2	0.013W/FT^2

STATISTICS						
DESCRIPTION	SYMBOL	AVG	MAX	MIN	MAX/MIN	AVG/MIN
CALC ZONE #1	+	0.8 fc	2.4 fc	0.2 fc	12.0:1	4.0:1

SCHEDULE									
LABEL	QUANTITY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP	NUMBER OF LAMPS	LUMENS PER LAMP	LIGHT LOSS FACTOR	WATTAGE
E-1	1	LITHONIA LIGHTING OR EQUAL BY LSI OR GRADCO	KAD LED 20C 530 40K R4 MVOLT	KAD LED, 20 LED, 530mA MVILT DRIVER, 4000K, TYPE 4 OPTICS	LED	1	4432	1	35

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

DAVID K. BARNES, P.E.
FL Reg. Engineer #65525

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

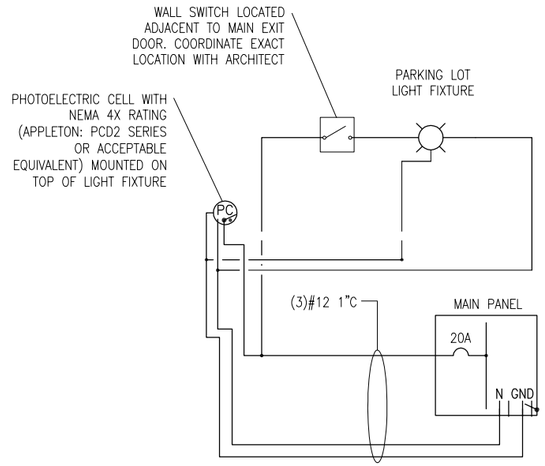
NOT RELEASED FOR CONSTRUCTION BY DATE / /

PROJECT NO: 25898.04
DESIGNED BY: DKB
DRAWN BY: JOR
CHK'D BY: DKB
PROJ. MGR: MDL
DATE: JAN 2018

AIRFIELD INFIELD
PARKING LOT
LIGHTING CALCULATION

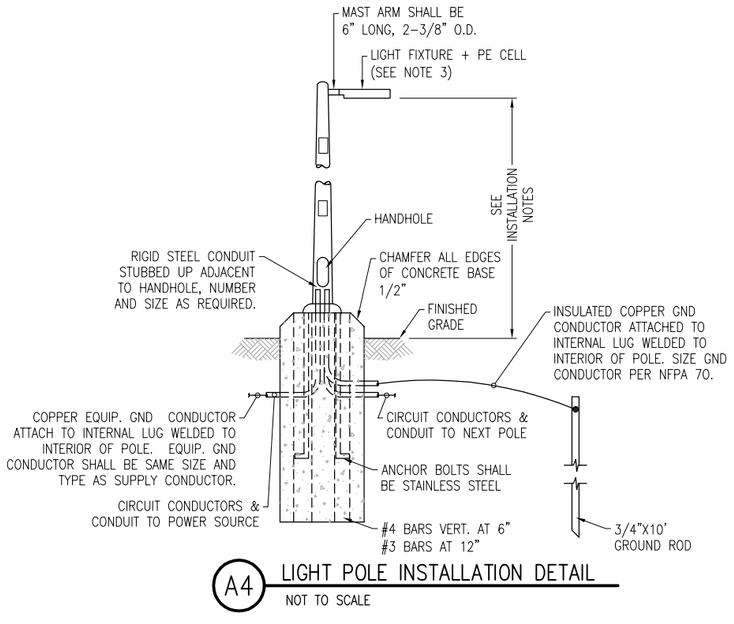
E-112

G:\DWG\258\25898.04 OLF-X-ESDC\DWG\OLF-X\Sitework\Electrical\E-112.dwg, Jan 26, 2018 - 11:31:15AM, rgeiger



D1 TYPICAL LIGHTING CONTROL DIAGRAM

NOT TO SCALE



A4 LIGHT POLE INSTALLATION DETAIL

NOT TO SCALE

LIGHT POLE INSTALLATION NOTES:

1. BURIAL AND DIAMETER DIMENSIONS INDICATED ARE FOR NOMINAL MINIMAL SIZES ONLY. FINAL DIMENSIONS SHALL BE DETERMINED BY A REGISTERED STRUCTURAL ENGINEER IN THE STATE OF FLORIDA BASED UPON FIXTURES PROVIDED. PROVIDE SIGNED, DATED, AND SEALED PLANS FOR EACH INSTALLATION TYPE AND FIXTURE TYPE AS PART OF LIGHTING SUBMITTAL PACKAGE.

2. THE POLE AND FOUNDATION DESIGN SHALL BE BY A DELEGATED PROFESSIONAL ENGINEER TO MEET THE FOLLOWING CRITERIA:
   - 2.1. DESIGN WIND SPEED 164 MPH PER ESCAMBIA COUNTY WITH A 1.3 GUST FACTOR. EXPOSURE CATEGORY C.
   - 2.2. SIZE EMBEDMENT FOR A MAXIMUM PERMANENT POLE DEFLECTION AFTER DESIGN WIND SPEED EVENT OF 1.00".
   - 2.3. ALUMINUM OR CONCRETE, ROUND OR SQUARE, TAPERED.

3. LIGHT FIXTURES SHALL BE MOUNTED AT 15'-0" (MAXIMUM) ABOVE FINISHED GRADE.

4. REFER TO LIGHTING CONTROL DIAGRAM FOR ADDITIONAL REQUIREMENTS.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

DAVID K. BARNES, P.E.
FL Reg. Engineer #65525

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: DKB
DRAWN BY: JDR
CHK'D BY: DKB
PROJ. MGR: MDL
DATE: JAN 2018

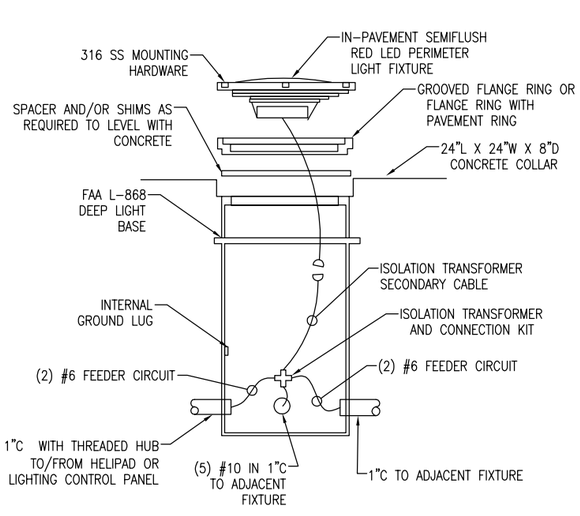
NOT RELEASED FOR CONSTRUCTION BY DATE / /

AIRFIELD INFIELD
PARKING LOT
LIGHTING DETAILS

E-113

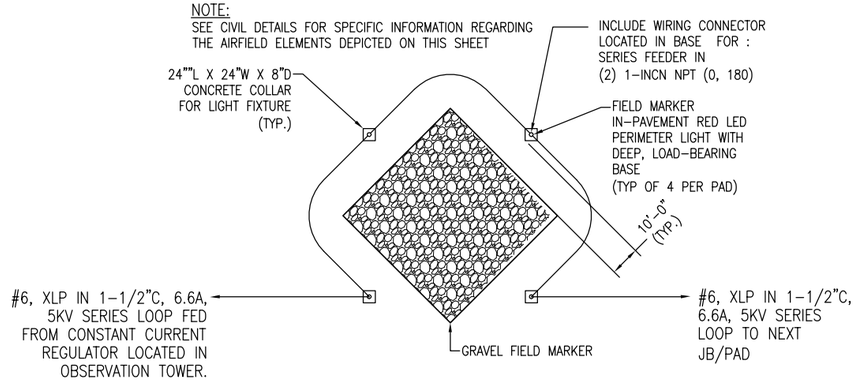
FIELD MARKER LIGHTING NOTES

1. PERIMETER LIGHTS SHALL BE 8 INCH DIAMETER IN–PAVEMENT, SEMIFLUSH RED LED (10 WATTS MAX) BY FLIGHT LIGHT MODEL NO. 80–IR852T(L)–RED–FAA OR ENGINEER APPROVED EQUAL WITH DEEP LOAD BEARING FAA L868B BASE. BASE SHALL INCLUDE ALL APPURTENANCES AS REQUIRED FOR A FULLY OPERATIONAL LIGHTING SYSTEM INCLUDING SHIMS, SPACERS, RINGS, WATERPROOFING COMPOUNDS. THE FIXTURE SHALL BE CLASS 1, DIV 2 RATED
2. FIELD MARKER LIGHTING AND CONTROLS SHALL BE FROM A SINGLE MANUFACTURER.
3. CIRCUITS SHALL BE INSTALLED 30 INCHES BELOW GRADE MINIMUM. TRANSITION TO 12 INCHES BELOW GRADE WITHIN 4 FEET OF THE FIXTURE BASE FOR CONDUIT ENTRY INTO THE FIXTURE BASE. INSTALL CONDUIT MARKERS PER THE SPECIFICATIONS.
4. ALL EXTERNAL HARDWARE SHALL BE CORROSION RESISTANT.
5. PROVIDE FAA COMPLIANT L–868B BASE WITH UP TO (4) 1–INCH NPT LOCATED AT 0, 90, 180, AND 270 DEGREES. PLUG ANY UN–USED NPT
6. WIRE–MOUNTED RAISED LEDS THAT CAN BE BENT OUT OF POSITION ARE UNACCEPTABLE
7. INCLUDE FAA–COMPLIANT AND APPROVED ISOL TION TRANSFORMER, CONNECTION KIT AND CABLES IN EACH BASE.
8. CLEARLY MARK AND IDENTIFY OITGOING AND INCOMING SERIES LOOP CONDUITS IN THE DUCTBANK



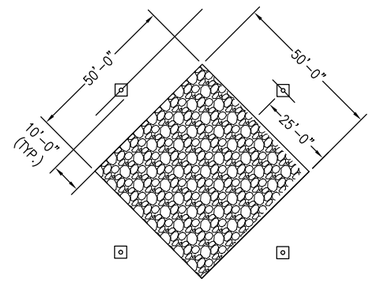
A1 FIELD MARKER LIGHT ASSEMBLY DETAIL
NOT TO SCALE

NOTE:
SEE CIVIL DETAILS FOR SPECIFIC INFORMATION REGARDING THE AIRFIELD ELEMENTS DEPICTED ON THIS SHEET



D3 FIELD MARKER WIRING DIAGRAM
NOT TO SCALE

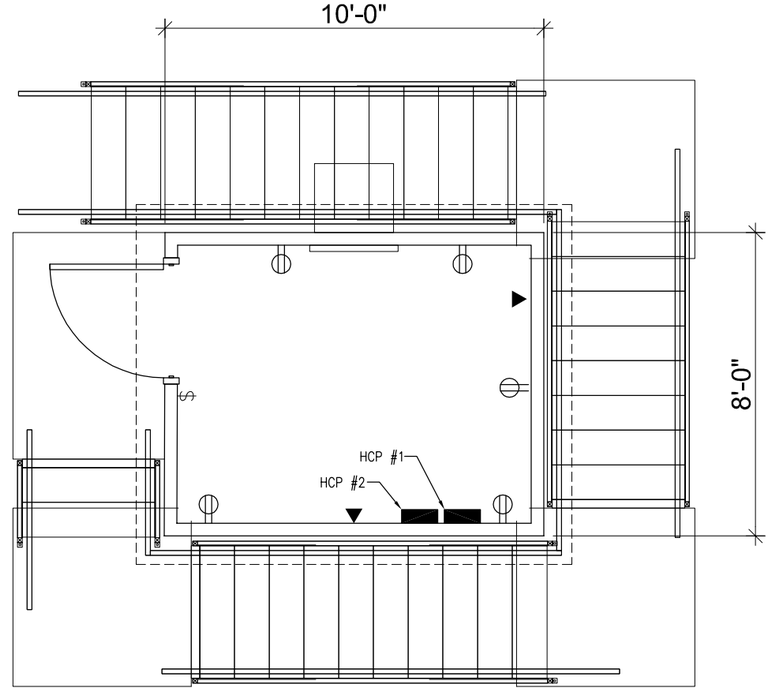
NOTE:
SEE CIVIL DETAILS FOR SPECIFIC INFORMATION REGARDING THE AIRFIELD ELEMENTS DEPICTED ON THIS SHEET



D5 FIELD MARKER LIGHTING LAYOUT
NOT TO SCALE

CONTROL PANEL INSTALLATION NOTES

1. COORDINATRE THE EXACT LOCATION OF THE FIELD MARKER/HELIPAD CONTROL PANELS PRIOR TO ROUGH–IN ANDINSTALLATION.
2. SEAL ALL CONDUIT PENETRATIONS.
3. MOUNT THE CONTROL PANELS AS HIGH ON THE KNEE WALL AS POSSIBLE. PANELS SHOULD BE NO MORE THAN 6 INCHES BELOW THE WINDOW BOTTOM AND A MINIMUM OF 18 INCHES ABOVE FINISHED FLOOR.
4. PROVIDE MOUNTING HARDWARE FOR THE PANELS. DO NOT MOUNT THE PANELS DIRECTLY TO THE WALL.



A5 OBSERVATION TOWER FIELD MARKER CONTROL PANEL PLAN
NOT TO SCALE

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

DAVID K. BARNES P.E.
FL Reg. Engineer #65525

OLF–X
PHASE II – AIRFIELD

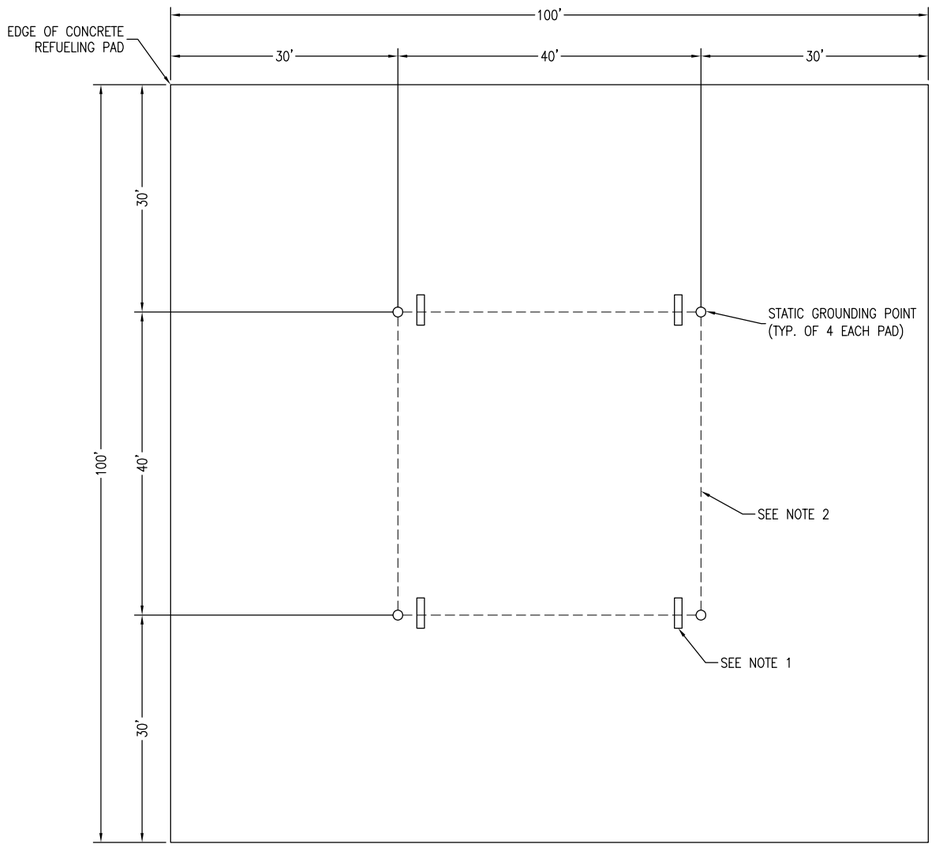
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: DKB
DRAWN BY: DKB
CHK'D BY: DKB
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE

FIELD MARKER LIGHTING DETAILS

E–120



A1 REFUELING PAD STATIC GROUND POINT LAYOUT

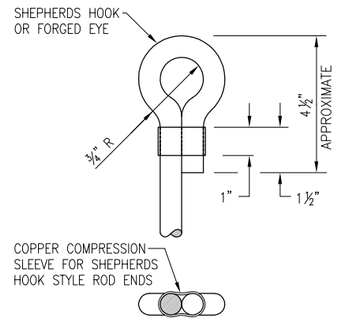
SCALE: 1" = 10'-0"

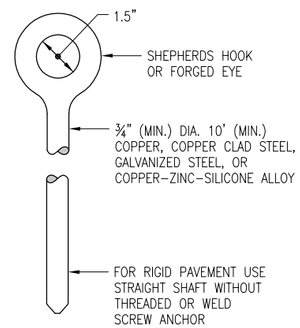
0 5' 10' 20'

NOTES:

1. NEAR EACH STATIC GROUND POINT, STENCIL THE LEGEND "STATIC GROUND ONLY" IN 4" BLOCK LETTERS. LETTERS SHALL BE BLACK ON A YELLOW BACKGROUND. BACKGROUND SHALL EXTEND 2" BEYOND THE OUTER MOST EDGE OF THE LETTERS.

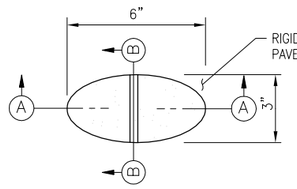
2. BOND STATIC GROUND POINT RODS WITH #4 BARE COPPER CONDUCTOR. CADWELD.

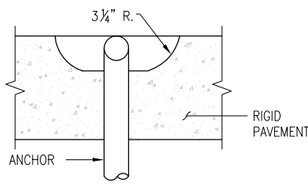




DETAIL OF EYE AND SLEEVE ASSEMBLY

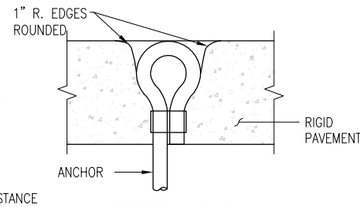
NOT TO SCALE





SECTION A-A

NOT TO SCALE



SECTION B-B

NOT TO SCALE

NOTES:

1. STATIC TIEDOWN GROUNDS ARE NOT INTENDED AS AIRCRAFT TIEDOWNS OR THRUST ANCHORS.

2. THESE WILL BE USED AS EXTERIOR STATIC GROUND POINTS FOR NAVY HELICOPTERS AND HOT REFUELING TRUCKS.

3. IN ACCORDANCE WITH IEEE STANDARD 81, THE MAXIMUM MEASURED RESISTANCE TO GROUND DURING NORMAL DRY CONDITIONS SHALL NOT EXCEED 10000 OHMS. IF THIS RESISTANCE CANNOT BE OBTAINED THE CONTRACTOR SHALL ADD ADDITIONAL GROUND RODS UNTIL THE DESIRED RESISTANCE IS ACHEIVED.

A4 STATIC GROUND POINT DETAIL

NOT TO SCALE

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

DAVID K. BARNES P.E.
FL Reg. Engineer #65525

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

NOT RELEASED FOR CONSTRUCTION BY DATE / /

PROJECT NO: 25898.04
DESIGNED BY: DKB
DRAWN BY: DKB
CHK'D BY: DKB
PROJ. MGR: MDL
DATE: JAN 2018

REFUELING PAD GROUNDING SYSTEM

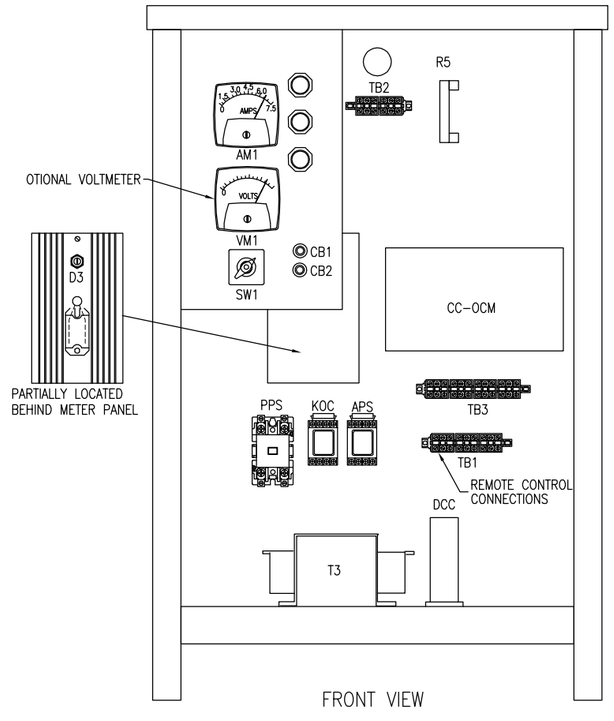
E-121

SYMBOL	QTY	PART DESCRIPTION	MANUFACTURER PART NUMBER	MANAIRCO PART #
CT1	1	CURRENT TRANSFORMER 7.5 TO 1.0 AMP 200 VA	TRENCO TR19859	MR221-19
L1	1	INDUCTOR FILTER TRANSFORMER 40 mh 12 AMPS DC	TRENCO TR19651	MR222-54
*LA1, LA2	1	LIGHTNING ARRESTER 2 POLE 650 VAC	GENERAL ELECTRIC 9L15ECB001	MR500-1
*LA3, LA4	2	LIGHTNING ARRESTER PVR RISER 1 POLE 3KV	OHIO BRASS 2216037262	MR500-3
*PFC	1	CAPACITOR 125MFD 240 VAC 1 PHASE 50/60 HZ	RONKEN INDUSTRIES P91T09137K51R	MR300-3
*PS	1	PRIMARY SWITCH – CONTACTOR 2 POLE 32 AMP 600 VAC, COIL 110 VAC 50/60 HZ	IDEC YC1U-32A120	MR255-11
SR1, SR2	2	SATURABLE TRANSFORMER 264 V 1 PHASE 60 HZ WITH 12 AMPS DC CONTROL	TRENCO TR20799	MR222-64
T1	1	600VA 480-120V 60HZ CONTROL TRANSFORMER	TRENCO TR20800	MR220-101
T2	1	TRANSFORMER 4 KVA 1 PH. 60 HZ 408-606/303V	TRENCO TR20798	MR220-100

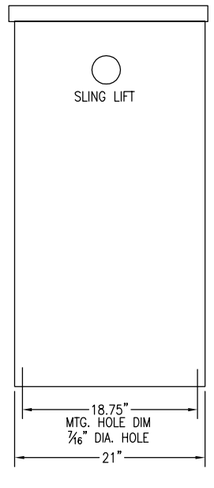
*INDICATES A RECOMMENDED SPARE PART

SYMBOL	QTY	PART DESCRIPTION	MANUFACTURE PART NUMBER	MANAIRO PART #
*DC1	1	FULL BRIDGE RECTIFIER 40 AMP 400 PRV W/ISOLATED BASE PLATE	INTERNATIONAL RECTIFIER P401KW	MR530-12
SW1	1	ROTARY SWITCH PANEL MOUNT 7 POSITION 12 AMP 250 VAC	KRAUS & NAIMER, INC KN #CA11USM636-700E	MR251-2B
T3	1	RECTIFIER TRANSFORMER 102 VA PH 60 HZ 120 - 6.5, 7.5, 8.5 V.	TRENCO TR19634	MR220-83
TB1	9 pts (total) 3 x 3/ section	TERMINAL BLOCK 3 PER SECTION #10 – 20 AWG PRESSURE TYPE SCREW LUG 3/8" CENTERS	CONNECTRON KT3 With 1 each end KAD	MR395-1 MR395-1A
TB2	6 pts. (2 x 3/ section)	TERMINAL BLOCK 3 PER SECTION #10 – 20 AWG PRESSURE TYPE SCREW LUG 3/8" CENTERS	CONNECTRON KT3 With 1 each end KAD	MR395-1 MR395-1A
TB3	12 pts (total) 4 x 3/ section	TERMINAL BLOCK 3 PER SECTION #10 – 20 AWG PRESSURE TYPE SCREW LUG 3/8" CENTERS	CONNECTRON KT3 With 1 each end KAD	MR395-1 MR395-1A
LT1	1	INDICATOR LED LIGHT GREEN 120V	IDEC APW199DG-120	MR530-10
LT2	1	INDICATOR LED LIGHT AMBER 120V	IDEC APW199DA-120	MR530-11
LT3	1	INDICATOR LED LIGHT RED 120V	IDEC APW199DR-120	MR530-13
For LT1, LT2, LT3	3	LED LAMP 24 VDC	IDEC LSTD-HZ	MR65-1

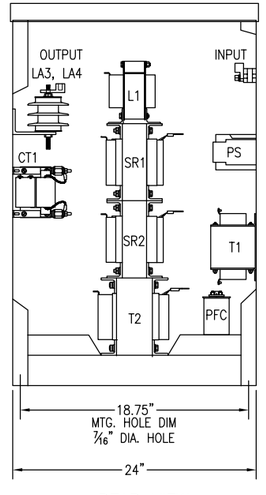
D3 REGULATOR PARTS LIST
NOT TO SCALE



FRONT VIEW



SIDE VIEW



REAR VIEW

A3 CONSTANT CURRENT REGULATOR ELEVATION
NOT TO SCALE

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

DAVID K. BARNES P.E.
FL Reg. Engineer #65525

OLF-X
PHASE II – AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: DKB
DRAWN BY:
CHK'D BY: MDL
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE

CONSTANT CURRENT REGULATOR DETIAL

E-130

SHEET NOTES

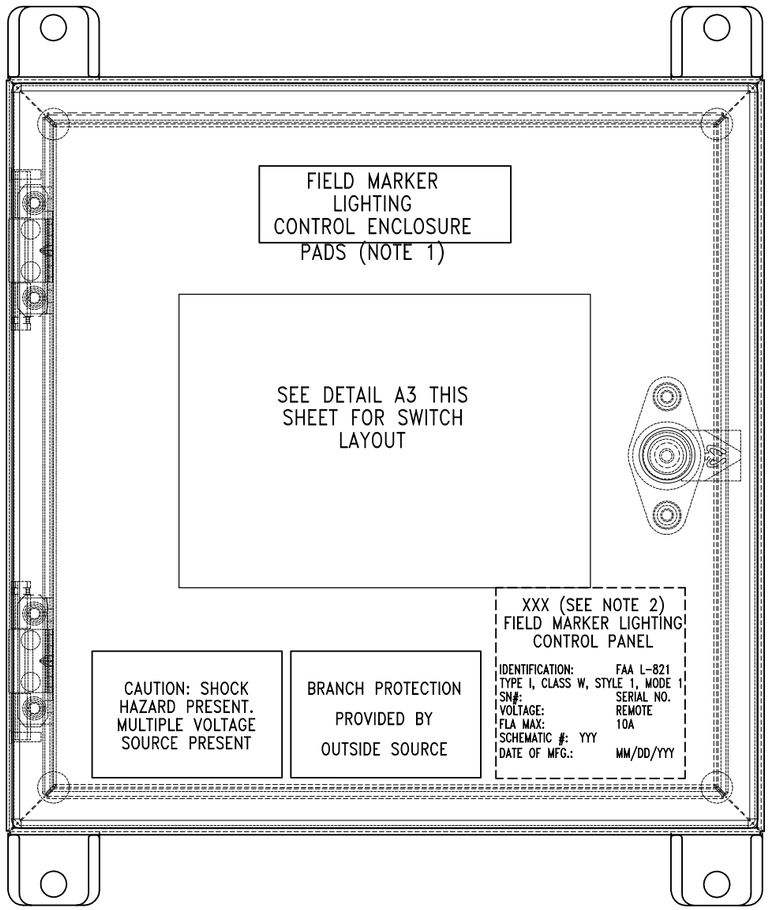
1. BASIS OF DESIGN IS FLIGHT LIGHT OR ENGINEER APPROVED EQUAL.

2. SWITCH S101 IS THE ON/OFF AND 5-STEP DIMMING SWITCH. THE 5-BRIGHTNESS STEPS ARE AS FOLLOWS:
   - 2.1. STEP 1 0.16% OF FULL INTENSITY
   - 2.2. STEP 2 0.8% OF FULL INTENSITY
   - 2.3. STEP 3 4.0% OF FILL INTENSITY
   - 2.4. STEP 4 20% OF FULL INTENSITY
   - 2.5. STEP 5 100% OF FULL INTENSITY

3. EACH CONTROL PANEL SHALL BE SHALL BE A MAXIMUM OF 12"W X 12"H X 6"D.

ITEM	QTY	MANUFACTURER	MODEL NO.	DESCRIPTION	UL
1	1	HOFFMAN	CSD12126SS	ENCLOSURE, NEMA 4X, 12"x12"	E61997
2	1	HOFFMAN	CP1212	BACKPLANE	E61997
3	1	HOFFMAN	CMTGFT	ENCLOSURE MOUNTING BRACKETS	E61997
4	1	ELECTROSWITCH	31302A-S	ROTARY SWITCH	E18174
5	12	ALLEN BRADLEY	1492-J6	2 CONDUCTOR TERMINAL	E40735
6	1	ALLEN BRADLEY	1492-EBJ3	END BARRIER	E40735
7	2	ALLEN BRADLEY	1492-EAJ35	TERMINAL RAIL END ANCHOR	E40735
8	A/R	ALLEN BRADLEY	199-DR1	DIN RAIL	E3125
9	1	ILSCO	D167-4	GROUND BAR	E6207
10	A/R	SUMITOMO ELECTRIC	FLT-250-WHT	WIRE LABEL	E48762
11	A/R	NOTE 1	MTW-TEW#14	WIRE	NOTE 1

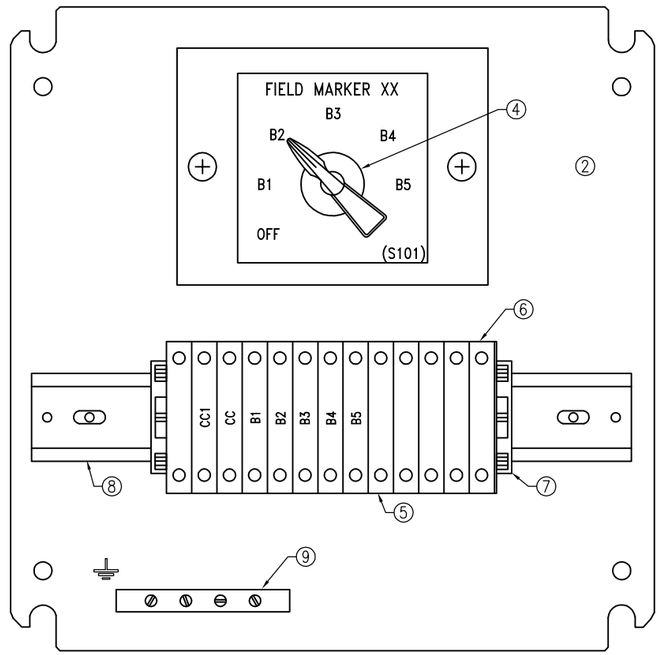
NOTE: MANUFACTURERS AND MODEL NUMBERS LISTED ARE THE BASIS FOR DESIGN.



NOTES:

1. REPLACE "PADS" WITH "NORTH/SOUTH" OR "EAST/WEST" FOR CORRESPONDING FIELDMARKER.
2. REPLACE "XXX" WITH MANUFACTURER'S NAME.

A1 FIELD MARKER LIGHTING CONTROL ENCLOSURE
SCALE: N.T.S.



A3 FIELD MARKER LIGHTING CONTROL ENCLOSURE BACKPLANE
SCALE: N.T.S.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

DAVID K. BARNES P.E.
FL Reg. Engineer #65525

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: DKB
DRAWN BY: DKB
CHK'D BY: DKB
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE / /

FIELD MARKER LIGHTING CONTROL ENCLOSURE

E-131

A3 FIELD MARKER LIGHTING CONTROL TERMINAL LAYOUT

SCALE: N.T.S.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

DAVID K. BARNES P.E.
FL Reg. Engineer #65525

OLF-X
PHASE II - AIRFIELD

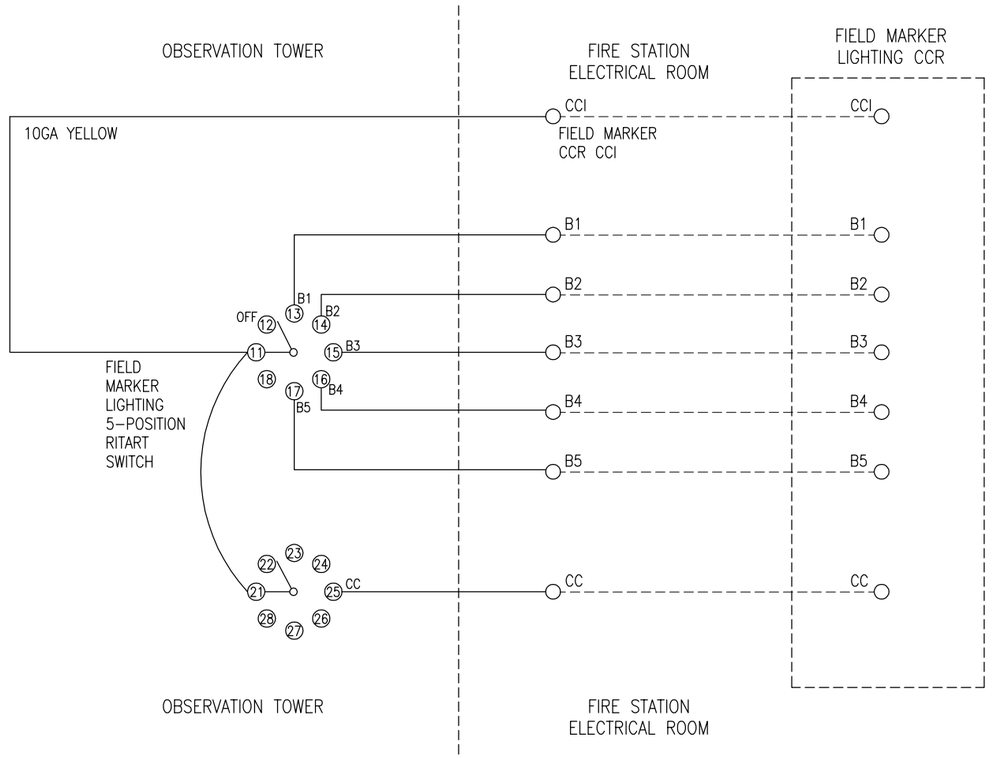
NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: DKB
DRAWN BY: DKB
CHK'D BY: DKB
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE / /

FIELD MARKER LIGHTING CONTROL TERMINAL LAYOUT

E-132



NOTES

1. REFER TO CCR MANUFACTURER INSTRUCTIONS FOR INTERNAL VOLTAGE CONTROL SETTINGS AND CONNECTIONS.
2. FIELD MARKER CONTROL PANELS SHALL BE POWERED BY THE CONSTANT CURRENT REGULAORS

(A1) FIELD MARKER LIGHTING CONTROL SCHEMATIC

SCALE: N.T.S.

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

DAVID K. BARNES P.E.
FL Reg. Engineer #65525

OLF-X
PHASE II - AIRFIELD

NO.	DATE	APPR.	REVISION/ACTION TAKEN
	1/26/2018	MDL	RELEASED FOR BID

PROJECT NO: 25898.04
DESIGNED BY: DKB
DRAWN BY: DKB
CHK'D BY: DKB
PROJ. MGR: MDL
DATE: JAN 2018

NOT RELEASED FOR CONSTRUCTION BY DATE / /

FIELD MARKER LIGHTING
CONTROL SCHEMATIC

E-133