

OPERATIONS PERMIT APPLICATION FOR DRILLING AND PRODUCTION AT THE NOBLES  
GRADE AND TAMIAMI PROSPECTS, BIG CYPRESS NATIONAL PRESERVE

**APPENDIX B:  
OPERATIONS PERMIT  
APPLICATION DIAGRAMS  
NOBLES GRADE ACCESS  
ROAD AND PAD**

Note: Large scale drawings also provided under separate cover.



**DEFINITIONS**

**OWNER** - BURNETT OIL CO., INC.  
**PROJECT** - NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS  
**DEVELOPMENT SERVICES / BUILDING DEPARTMENT** - N/A  
**COUNTY** - COLLIER COUNTY  
**CITY** - N/A  
**NPS** - NATIONAL PARK SERVICE  
**UTILITY** - N/A  
**DRY UTILITIES** - LCEC  
**CONTRACTOR** - GENERAL / PRIME CONTRACTOR  
**UNDERGROUND CONTRACTOR** - THE UNDERGROUND UTILITY CONTRACTOR AND ALL UTILITY SUBCONTRACTORS  
**PAVING CONTRACTOR** - THE PAVING CONTRACTOR AND ALL SUBCONTRACTORS PROVIDING MATERIALS AND SERVICES INCLUDING FILL AND LIMEROCK  
**ENGINEER** - OWNER'S ENGINEER RESPONSIBLE FOR INSPECTION AND CERTIFICATION (PENINSULA ENGINEERING)  
**SURVEYOR** - OWNER'S SURVEYOR RESPONSIBLE FOR CONSTRUCTION STAKE-OUT AND VERIFICATION OF RECORD DRAWING INFORMATION  
**FIRE DISTRICT** - GREATER NAPLES FIRE RESCUE DISTRICT

**GENERAL PROCEDURES**

- CONTRACTOR SHALL BE RESPONSIBLE IN COORDINATING WITH THE FOLLOWING RESPECTIVE UTILITY COMPANIES AND AGENCIES FOR COORDINATION OF SERVICES AND CONNECTIONS FOR THE PROJECT. ADDITIONALLY, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AGENCY OR UTILITY COMPANY PRIOR TO COMMENCING WORK WITHIN ANY AGENCY OR UTILITY COMPANY'S DISTRICT.  
 NATIONAL PARK SERVICE: DON HARGROVE (202) 268-8945  
 LCEC: KETH LANMAN (239) 656-2413  
 COMCAST: JOE CRONE (239) 574-2020  
 CENTURY LINK: LUIS NEGRO (239) 263-2424  
 GREATER NAPLES FIRE DEPT: SHAWN HANSON (239) 348-7540
- A PRE-CONSTRUCTION MEETING IS TO BE HELD PRIOR TO DELIVERY OF MATERIALS AND INITIATION OF CONSTRUCTION. THE MEETING SHALL BE ATTENDED BY THE **OWNER**, THE **CONTRACTOR**, THE **UNDERGROUND CONTRACTOR**, **PAVING CONTRACTOR**, **ENGINEER** AND OTHER INTERESTED PARTIES.
- THREE (3) OR MORE COPIES OF THE CURRENT APPROVED PRODUCT LIST AND ALL NECESSARY SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO SCHEDULING OF THE PRE-CONSTRUCTION MEETING.
- ALL MATERIALS SUPPLIED SHALL CONFORM TO PRODUCT LIST AND SHOP DRAWINGS AS APPROVED BY THE **ENGINEER** PRIOR TO CONSTRUCTION. SUBSTITUTE MATERIALS SHALL NOT BE APPROVED AFTER DELIVERY TO THE JOB SITE. ALL REQUESTS FOR MATERIAL SUBSTITUTION SHALL BE APPROVED PRIOR TO DELIVERY OF THESE MATERIALS TO THE JOB SITE.
- ALL APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION (FDEP, ACCE, NPS, FOOT, ETC).
- SEQUENCE OF CONSTRUCTION - UNLESS OTHERWISE NOTED, SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION.
- ALL CONTRACTORS SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION PLANS ON-SITE.
- THE CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING LOCATIONS FOR ALL EXISTING PUBLIC AND PRIVATE UTILITY FACILITIES.
- THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE APPROVED PLANS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTORS. APPROVAL OF DEVELOPMENT PLANS IN NO WAY IMPLIES VERIFICATION OF THE ACCURACY OF THOSE PLANS OR FEATURES DEPICTED THEREON. ANY DISCREPANCY IN OR VARIATION FROM THE APPROVED PLANS IS TO BE BROUGHT TO THE ATTENTION OF THE **OWNER** BY THE **ENGINEER** AND **CONTRACTORS**.
- THE CONTRACTORS SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE. THE CONTRACTORS SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
- THE CONTRACTORS SHALL SCHEDULE INSPECTIONS AND TESTS WITH THE **NPS** AS REQUIRED. A MINIMUM OF 48 HOURS IN ADVANCE AND NOT BY **ENGINEER** 48 HOURS IN ADVANCE.
- FACILITIES PROPOSED HEREIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS, THE **NPS** AND THE **ENGINEER'S** TECHNICAL STANDARDS AND SPECIFICATIONS.
- ANY DEVIATIONS FROM THE APPROVED PLANS MUST HAVE PRIOR WRITTEN APPROVAL FROM **OWNER**, **ENGINEER** AND APPROVING AGENCY.
- RECORD DRAWINGS - THE SURVEYOR SHALL PROVIDE A COMPLETE SET OF "AS-BUILT" INFORMATION RELATIVE TO LOCATION OF THE STORM CROSSINGS AND ROADWAY ELEVATIONS.
- UPON COMPLETION OF CONSTRUCTION, A FINAL INSPECTION SHALL VERIFY PROPER ADHERENCE TO ALL FACETS OF THE PLANS AND SPECIFICATIONS.
- GUARANTEE - ALL MATERIAL AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTORS UNDER THEIR CONTRACT SHALL BE GUARANTEED FOR A PERIOD OF AT LEAST ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE **OWNER** OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTEE PERIOD, THE AFFECTED PART, PARTS, OR MATERIALS SHALL BE REPLACED PROMPTLY WITH NEW PARTS OR MATERIALS BY THE CONTRACTORS AT NO EXPENSE TO THE **OWNER**. IN THE EVENT THE CONTRACTOR FAILS TO MAKE THE NECESSARY REPLACEMENT OR REPAIRS WITHIN SEVEN DAYS AFTER NOTIFICATION BY THE **OWNER**, THE **OWNER** MAY ACCOMPLISH THE WORK AT THE EXPENSE OF THE CONTRACTOR.
- ANY WELLS DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE **OWNER** AND **ENGINEER** WITHIN 24 HOURS AFTER DISCOVERY IS MADE.

**WATER MANAGEMENT INFORMATION**

WATER MANAGEMENT PERMIT: FDEP ERP PERMIT NO. APPLICATION NO. 0328386-003

**SITE DESIGN COORDINATION NOTES**

- REFERENCE THE DRILLER AND OWNER'S PLANS FOR THE SIZE, LOCATION, AND SPECIFICATIONS FOR ALL OIL FLOW LINES, WASTEWATER TRANSMISSION MAINS, AND WELL DRILLING.

**GENERAL NOTES**

- ALL INVERTS AND ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988).
- EXISTING TOPOGRAPHIC INFORMATION IS BASED ON USACE LIDAR AND CONTOURS PROVIDED BY STANTEC (APRIL 2020).
- THE INFORMATION PROPOSED IN THIS PLAN IS BASED ON THE LATEST FIELD INFORMATION AND AVAILABLE RECORD DRAWING INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THIS INFORMATION PRIOR TO COMMENCEMENT OF CONSTRUCTION AND PROVIDE IN WRITING ANY DISCREPANCIES TO THE **ENGINEER**.
- THIS PLAN IS NOT INTENDED TO BE ALL INCLUSIVE OF EXISTING FACILITIES OR MATERIALS TO BE REMOVED. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS WITH REGARDS TO SITE SPECIFICATIONS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. ALL ITEMS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AT THE EXPENSE OF THE CONTRACTOR, INCLUDING ALL CUMPFEEES, UNLESS OTHERWISE NOTED.
- ALL MATERIALS AND CONSTRUCTION METHODS USED FOR THE PROPOSED IMPROVEMENTS SHALL CONFORM TO THE APPROVED TECHNICAL SPECIFICATIONS, AND ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- THE REVIEW AND APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT AUTHORIZE THE CONSTRUCTION OF REQUIRED IMPROVEMENTS WHICH ARE INCONSISTENT WITH EXISTING EASEMENTS OF RECORD.
- ALL SOLID WASTE FOR THE PROJECT IS TO BE PICKED UP AND DISPOSED OF BY WASTE MANAGEMENT SERVICES.

**OWNER RESPONSIBILITY NOTES**

- OWNER**, ITS SUCCESSORS OR ASSIGNS, SHALL BE RESPONSIBLE FOR PERPETUAL MAINTENANCE OF ALL FEATURES OF THE SURFACE WATER MANAGEMENT SYSTEM AS OUTLINED BY THE DESIGN **ENGINEER** ON THESE DRAWINGS.
- THE **OWNER** IS RESPONSIBLE FOR THE REPLACEMENT OF ALL DEAD LANDSCAPE MATERIAL AND FOR THE MAINTENANCE OF THE GROUNDCOVER ON BERM BACKSLOPES.
- OWNER**'S SUCCESSORS OR ASSIGNS SHALL BE RESPONSIBLE FOR ANNUAL EXOTIC VEGETATION REMOVAL AS REFERRED BY USE UPON COMPLETION AND ACCEPTANCE OF WORK REQUIREMENT IN THIS CONTRACT.

**CONTRACTOR RESPONSIBILITY NOTES**

- LCEC, NPS, AND FOOT MAY HAVE EXISTING UTILITIES ADJACENT TO THIS PROPOSED CONSTRUCTION. CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITIES TO LOCATE THEIR FACILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DEVIATION IN PLAN INFORMATION SHALL BE REPORTED TO **ENGINEER** IMMEDIATELY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF AND COMPLYING WITH ALL PERMITS OBTAINED BY THE **OWNER**.
- CONTRACTOR IS REQUIRED TO OBTAIN FROM THE **ENGINEER** WRITTEN APPROVAL FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS.
- CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE COUNTY GROUNDWATER PROTECTION ORDINANCE.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE APPROVED DEWATERING PERMIT FROM SOUTH FLORIDA WATER MANAGEMENT DISTRICT AS REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A BLASTING PERMIT, IF REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FROM THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY. ADDITIONALLY, THE CONTRACTOR IS ALSO RESPONSIBLE FOR CREATING, IMPLEMENTING AND MAINTAINING A STORM WATER POLLUTION PREVENTION PLAN AS PER THE REQUIREMENTS OF THE NPDES GENERAL PERMIT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT. ALL TRAFFIC MAINTENANCE CONTROLS SHALL BE IN ACCORDANCE WITH FLORIDA MANUAL OF TRAFFIC CONTROL, AND SAFE PRACTICES FOR STREET CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS.
- CONTRACTOR SHALL REPAIR AND REPLACE ALL AREAS DISTURBED BY CONSTRUCTION TO EXISTING CONDITIONS.
- CONTRACTOR SHALL PROVIDE 48 HOURS WRITTEN NOTICE TO THE **ENGINEER**, **OWNER** AND **COUNTY** PRIOR TO THE FOLLOWING:  
 A. COMMENCEMENT  
 B. CHANGES TO APPROVED SCHEDULES, SUBCONTRACTORS, OR RESIDENT SUPERINTENDENT  
 C. GENERAL  
 C.1. COMPACTION  
 C.2. TRENCH DENSITY  
 C.3. ROADWAY STABILIZATION  
 C.4. PAVING  
 C.5. PRELIMINARY AND FINAL INSPECTIONS  
 D. OTHERS AS MAY BE REQUIRED BY **OWNER**, **COUNTY** AND **ENGINEER**.
- CONTRACTOR SHALL REFERENCE PLANS FOR ADDITIONAL SHOP DRAWINGS REQUESTS, PARTICULARLY FOR STRUCTURES REQUIRING SPECIAL DETAILS AND SPECIFICATIONS WHICH ARE TO BE PROVIDED BY A STRUCTURAL ENGINEER.
- CONTRACTOR SHALL RETAIN THE SERVICES OF A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO STAKE-OUT THE LOCATION OF ALL INFRASTRUCTURE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN A COPY OF THE FINAL UTILITY DRAWINGS, IN CAD FORMAT, FROM THE **ENGINEER** AND PROVIDE THAT DOCUMENTATION TO THE SURVEYOR. THE DIMENSIONAL INFORMATION OBTAINED FROM THE CAD DRAWINGS SHALL BE USED IN DEVELOPING THE STAKE-OUT PLAN.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING (SUCH AS SLT FENCES) BEYOND THE DISPLIES OF RETAINED VEGETATION ALONG THE LIMITS OF CLEARING. THIS FENCE SHALL REMAIN ERECTED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
- ALL MATERIALS, DEBRIS, UNSUITABLE EARTH, ETC. OF NO SALVAGE VALUE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR.

**ROADWAY AND PARKING LOT SIGNING AND MARKING NOTES**

- ROADWAY SIGNAGE AND PAVEMENT MARKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FOOT DESIGN STANDARDS.

**CERTIFICATION / SUBSTANTIAL COMPLIANCE NOTES:**

IN ACCORDANCE WITH **ENGINEER'S** TECHNICAL STANDARDS AND SPECIFICATIONS AND **DEVELOPMENT SERVICES / BUILDING DEPARTMENT**, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING REQUIRED ITEMS TO THE **ENGINEER** OF RECORD:

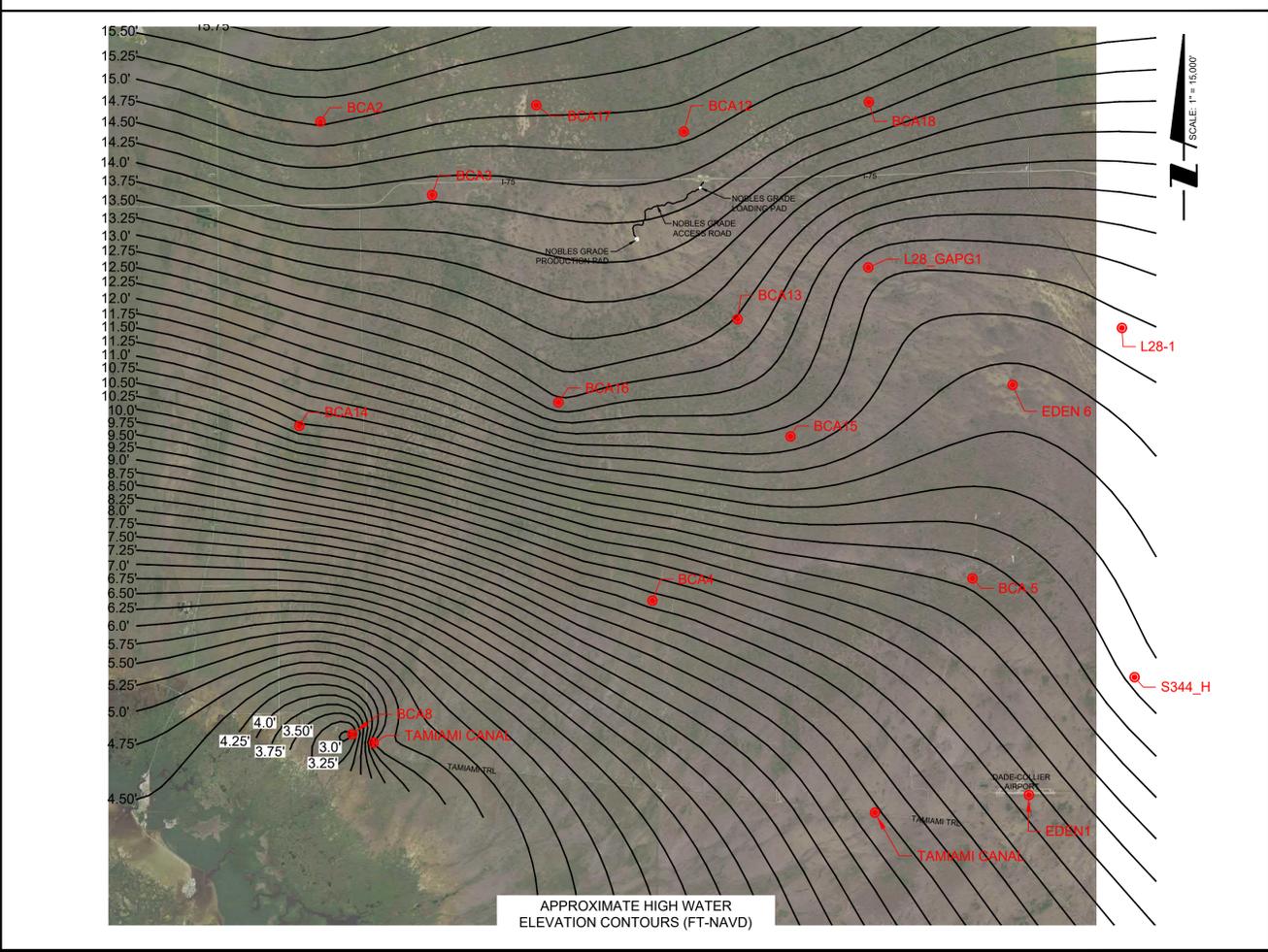
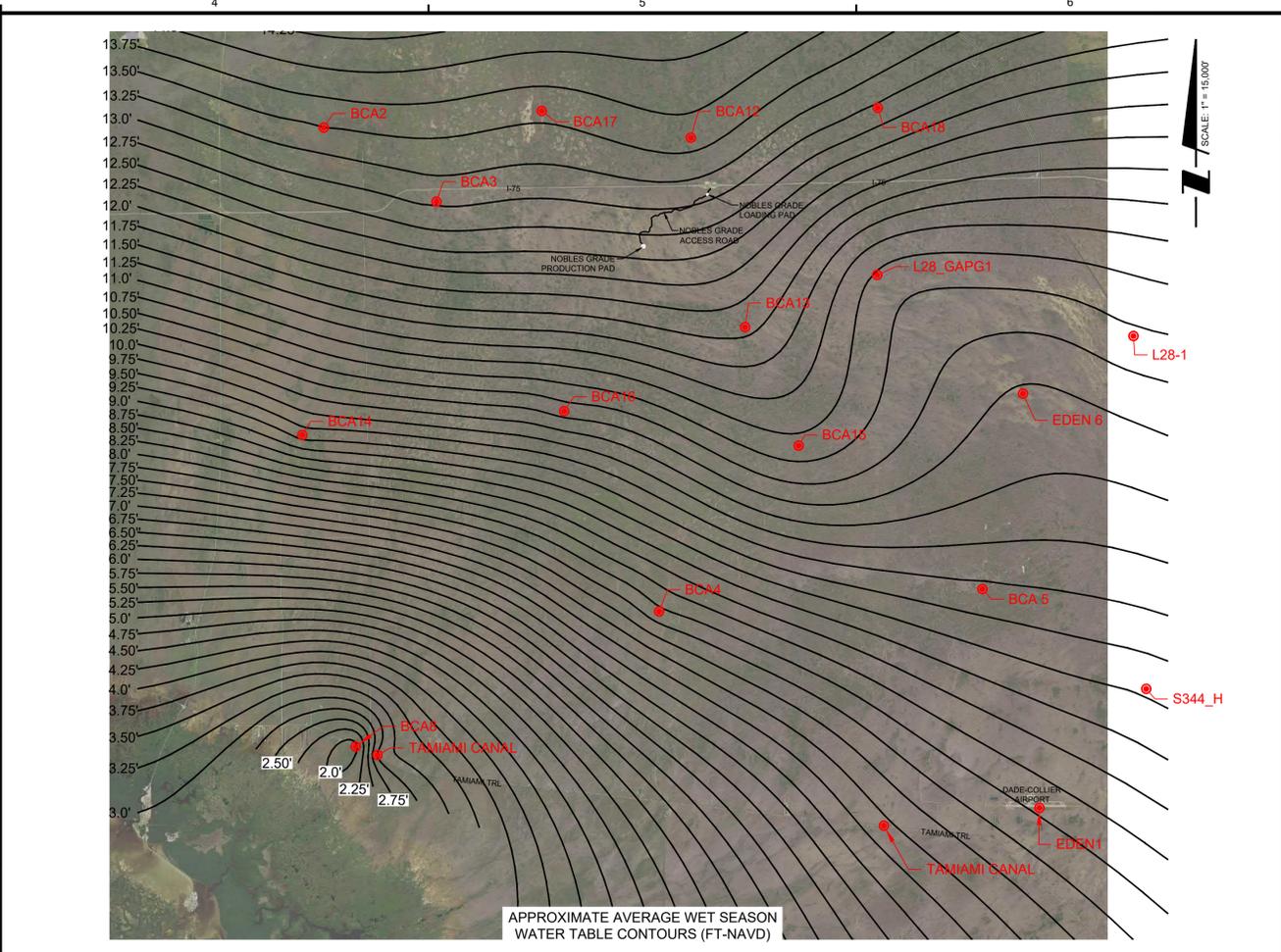
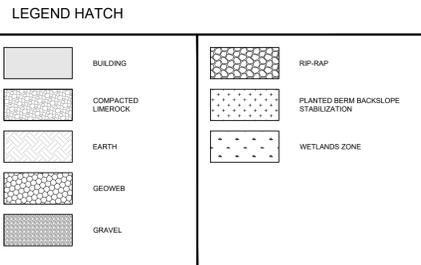
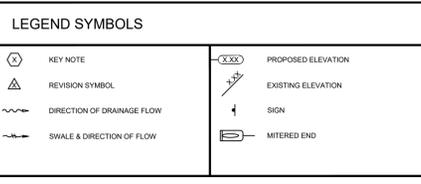
- TEST REPORTS (BY CONTRACTOR)
  - DENSITY REPORTS
  - COMPACT FILL FOR BUILDING PADS, PIPE BEDDINGS AND BACKFILL
  - STABILIZED SUBGRADE
  - LIMEROCK BASE
  - TRENCH
- RECORD DRAWINGS:
 

THE CONTRACTOR SHALL PROVIDE A FINAL SET OF RECORD DRAWINGS TO **ENGINEER**. RECORD DRAWINGS SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR AND ACCURATELY SHOW ALL ABOVE-GROUND HORIZONTAL LOCATIONS AND BELOW-GROUND HORIZONTAL AND VERTICAL LOCATIONS AT AREAS EXPOSED OR MARKED BY THE UTILITY CONTRACTOR FOR THE FOLLOWING. PLEASE NOTE NOT ALL ITEMS ARE APPLICABLE TO THIS CONSTRUCTION PLAN. CONTRACTOR SHALL COORDINATE WITH **ENGINEER** FOR FINAL VERIFICATION.

  - OIL FLOWLINE AND WASTEWATER TRANSMISSION MAINS RECORD INFORMATION PROVIDED SHALL MEET THE REQUIREMENTS OF THE **NPS** AND **OWNER'S** TECHNICAL STANDARDS MANUAL AND SHALL INCLUDE, BUT NOT BE LIMITED TO:
    - LOCATIONS AND ELEVATIONS OF ALL PRESSURE PIPE LINES AT EVERY 200 FT ALONG PIPE LINE AND AT EACH PIPE ELBOW AND FITTING LOCATION.
    - LOCATIONS OF ALL METER AND VALVE BOXES, AIR RELEASE VALVES, BLOW-OFFS, ETC.
  - PAVING AND DRAINAGE:
    - ROADWAY CENTERLINE ELEVATIONS AT ALL INTERSECTIONS AND AT A MINIMUM AT ALL PVS ALONG THE ROADWAY CENTERLINE.
    - INVERT ELEVATIONS OF ALL CROSS DRAINS.
    - CENTERLINE ELEVATIONS ON ALL OPEN SWALES AT HIGH AND LOW POINTS AND AT EVERY 100 FT ALONG SWALE CENTERLINE.
    - ELEVATIONS AT TOP OF BANK AND INVERT ELEVATION AT HIGH WATER FLOWWAYS.
- CONTRACTOR SHALL COORDINATE AND VERIFY PROCEDURES IN ACCORDING REQUIRED RECORD DRAWING INFORMATION WITH **ENGINEER** AND **SURVEYOR** PRIOR TO CONSTRUCTION.

**ROADWAY CONSTRUCTION SEQUENCING:**

- PAVING CONTRACTOR** WILL CLEAR EXISTING VEGETATION WITHIN CONSTRUCTION CORRIDOR.
- PAVING CONTRACTOR** TO INSTALL STAKED TURBIDITY AND EROSION CONTROL BARRIERS AT EDGE OF CONSTRUCTION CORRIDOR.
- PAVING CONTRACTOR** TO IMPORT FILL MATERIAL TO RAISE ROADWAY GRADE.
- UPON COMPLETION OF FILLING AND STABILIZATION OF ROAD BACKSLOPE, AND INSPECTION BY **ENGINEER** AND **ASB**.
- PAVING CONTRACTOR** TO REMOVE AND DISPOSE OF STAKED EROSION AND TURBIDITY BARRIER.



**PENINSULA ENGINEERING**  
 CIVIL ENGINEERING - LANDSCAPE ARCHITECTURE - ENVIRONMENTAL CONSULTING - LAND PLANNING - SITE PLANNING - CONSTRUCTION MANAGEMENT - OWNER REPRESENTATIVE

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 Florida Landscape Certificate of Authorization #LC26000632

**PROJECT:**

# NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS

**TITLE:**

## NOTE SHEET

**OWNER/CLIENT/CONSULTANT:**

### BURNETT OIL CO., INC.

**REVISIONS:**

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/27/21

**PROFESSIONAL SEALS:**

PROFESSIONAL ENGINEER: DAN WATERS, P.E.  
 FLORIDA LICENSE NUMBER: 60746

**DATUM NOTE:**  
 ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988).

Bar Scale: 1" = 15000'  
 0 375' 750' 1500' 3000' 4500'

SEC: 1-3, 10 TWP: 50S RGE: 32E  
 City: NAPLES County: COLLIER

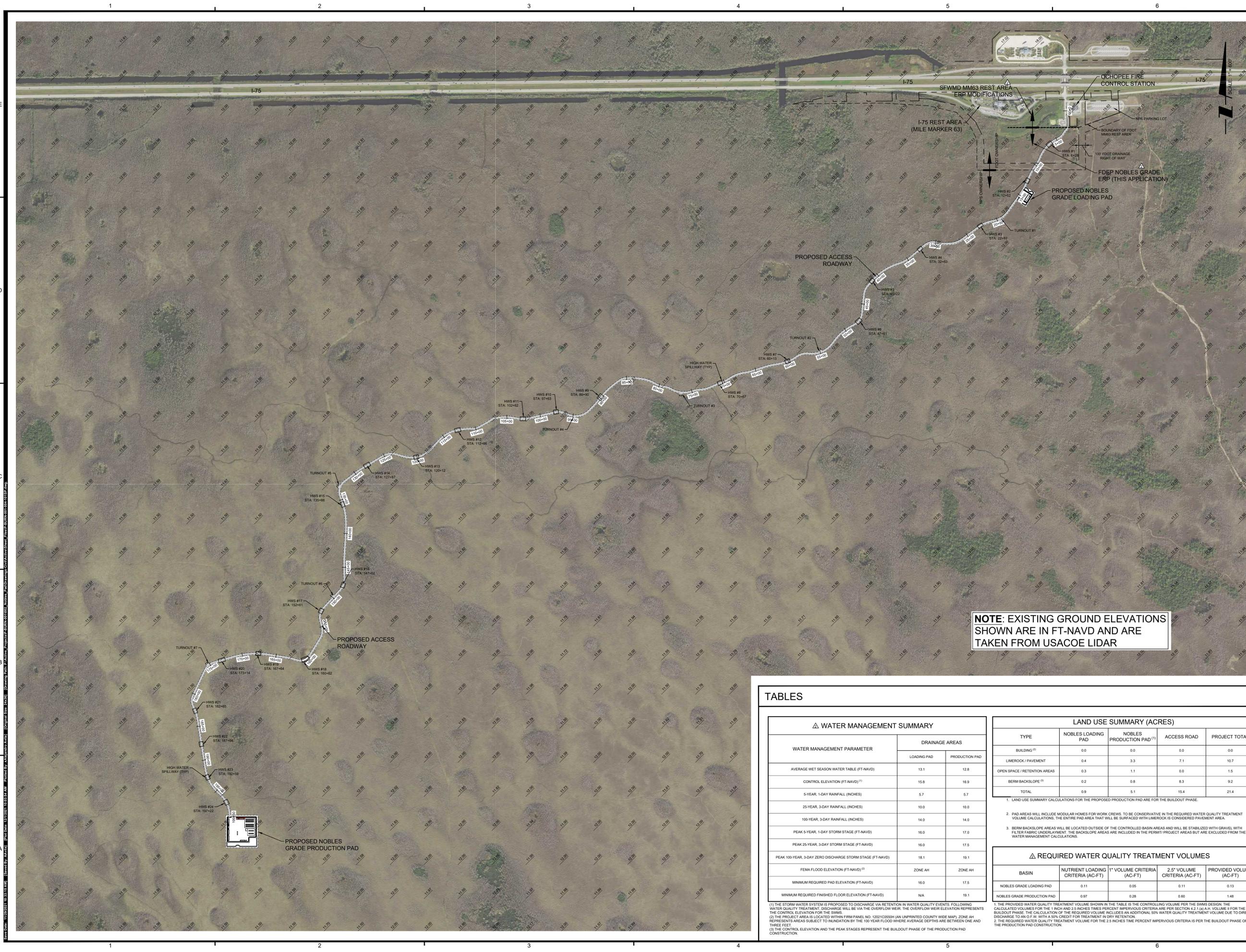
Designed by: DAN WATERS, P.E.  
 Drawn by: ALEJANDRO AVILA  
 Date: NOVEMBER 2020

Horizontal Scale: 1" = 15000'  
 Vertical Scale: N.T.S.

Project Number: P-BURN-001-002  
 File Number: P-BURN-001-004-002NT

## C-002

Sheet Number: 02 of 20



**NOTE: EXISTING GROUND ELEVATIONS SHOWN ARE IN FT-NAVD AND ARE TAKEN FROM USACOE LIDAR**

**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:

**MASTER SITE PLAN**

OWNER/CLIENT/CONSULTANT:

**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/22/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 08/25/21	11/22/21

NOTES:

PROFESSIONAL SEALS:  
 PROFESSIONAL ENGINEER: DAN WATERS, P.E.  
 FLORIDA LICENSE NUMBER: 60746



DATUM NOTE:  
 ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988).

Bar Scale: 1" = 600'

SEC: 1-3, 10 TWP: 50S RGE: 32E  
 City: NAPLES County: COLLIER

Designed by: DAN WATERS, P.E.  
 Drawn by: ALEJANDRO AVILA

Date: NOVEMBER 2020

Horizontal Scale: 1" = 600'  
 Vertical Scale: N.T.S.

Project Number: P-BURN-001-002  
 File Number: P-BURN-001-004-101SP

C-101  
 Sheet Number: 03 of 20

**TABLES**

WATER MANAGEMENT SUMMARY		
WATER MANAGEMENT PARAMETER	DRAINAGE AREAS	
	LOADING PAD	PRODUCTION PAD
AVERAGE WET SEASON WATER TABLE (FT-NAVD)	13.1	12.8
CONTROL ELEVATION (FT-NAVD) (1)	15.8	16.9
5-YEAR, 1-DAY RAINFALL (INCHES)	5.7	5.7
25-YEAR, 3-DAY RAINFALL (INCHES)	10.0	10.0
100-YEAR, 3-DAY RAINFALL (INCHES)	14.0	14.0
PEAK 5-YEAR, 1-DAY STORM STAGE (FT-NAVD)	16.0	17.0
PEAK 25-YEAR, 3-DAY STORM STAGE (FT-NAVD)	16.0	17.5
PEAK 100-YEAR, 3-DAY ZERO DISCHARGE STORM STAGE (FT-NAVD)	18.1	19.1
FEMA FLOOD ELEVATION (FT-NAVD) (2)	ZONE AH	ZONE AH
MINIMUM REQUIRED PAD ELEVATION (FT-NAVD)	16.0	17.5
MINIMUM REQUIRED FINISHED FLOOR ELEVATION (FT-NAVD)	N/A	19.1

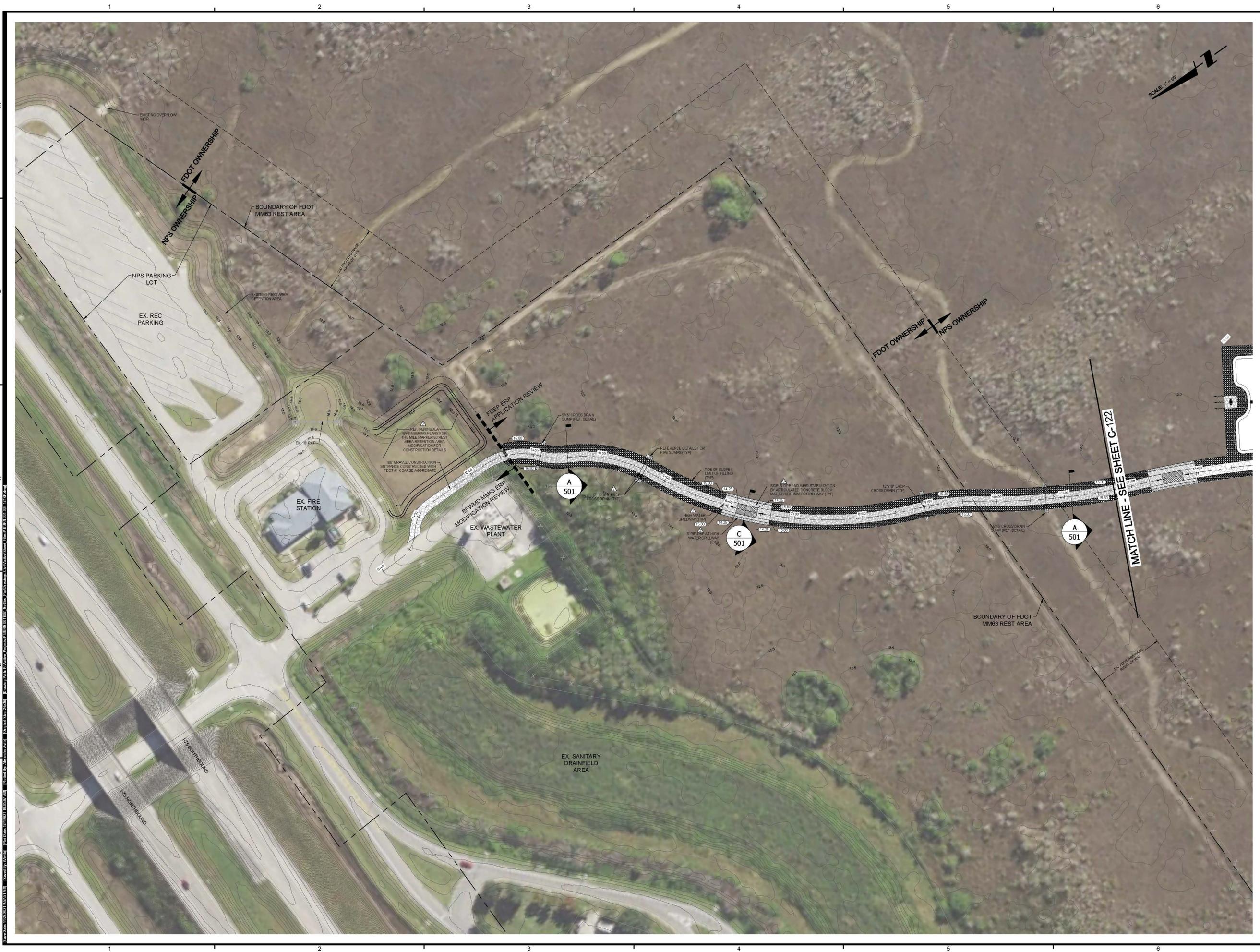
LAND USE SUMMARY (ACRES)				
TYPE	NOBLES LOADING PAD	NOBLES PRODUCTION PAD (1)	ACCESS ROAD	PROJECT TOTAL
BUILDING (2)	0.0	0.0	0.0	0.0
LIMEROCK / PAVEMENT	0.4	3.3	7.1	10.7
OPEN SPACE / RETENTION AREAS	0.3	1.1	0.0	1.5
BERM BACKSLOPE (3)	0.2	0.8	8.3	9.2
TOTAL	0.9	5.1	15.4	21.4

- LAND USE SUMMARY CALCULATIONS FOR THE PROPOSED PRODUCTION PAD ARE FOR THE BUILDOUT PHASE.
- PAD AREAS WILL INCLUDE MODULAR HOMES FOR WORK CREWS. TO BE CONSERVATIVE IN THE REQUIRED WATER QUALITY TREATMENT VOLUME CALCULATIONS, THE ENTIRE PAD AREA THAT WILL BE SURFACED WITH LIMEROCK IS CONSIDERED PAVEMENT AREA.
- BERM BACKSLOPE AREAS WILL BE LOCATED OUTSIDE OF THE CONTROLLED BASIN AREAS AND WILL BE STABILIZED WITH GRAVEL WITH FILTER FABRIC UNDERLAYMENT. THE BACKSLOPE AREAS ARE INCLUDED IN THE PERMIT PROJECT AREAS BUT ARE EXCLUDED FROM THE WATER MANAGEMENT CALCULATIONS.

REQUIRED WATER QUALITY TREATMENT VOLUMES				
BASIN	NUTRIENT LOADING CRITERIA (AC-FT)	1" VOLUME CRITERIA (AC-FT)	2.5" VOLUME CRITERIA (AC-FT)	PROVIDED VOLUME (AC-FT)
NOBLES GRADE LOADING PAD	0.11	0.05	0.11	0.13
NOBLES GRADE PRODUCTION PAD	0.97	0.28	0.60	1.48

(1) THE STORM WATER SYSTEM IS PROPOSED TO DISCHARGE VIA RETENTION IN WATER QUALITY EVENTS FOLLOWING WATER QUALITY TREATMENT. DISCHARGE WILL BE VIA THE OVERFLOW WEIR. THE OVERFLOW WEIR ELEVATION REPRESENTS THE CONTROL ELEVATION FOR THE SWMS.  
 (2) THE PROJECT AREA IS LOCATED WITHIN FIRM PANEL NO. 13021C0550H (AN UNPRINTED COUNTY WIDE MAP). ZONE AH REPRESENTS AREAS SUBJECT TO INUNDATION BY THE 100 YEAR FLOOD WHERE AVERAGE DEPTHS ARE BETWEEN ONE AND THREE FEET.  
 (3) THE CONTROL ELEVATION AND THE PEAK STAGES REPRESENT THE BUILDOUT PHASE OF THE PRODUCTION PAD CONSTRUCTION.

1. THE PROVIDED WATER QUALITY TREATMENT VOLUME SHOWN IN THE TABLE IS THE CONTROLLING VOLUME PER THE SWMS DESIGN. THE CALCULATED VOLUMES FOR THE 1" AND 2.5" INCHES PERCENT IMPERVIOUS CRITERIA ARE PER SECTION 4.2.1(a) A.H. VOLUME 1 FOR THE BUILDOUT PHASE. THE CALCULATION OF THE REQUIRED VOLUME INCLUDES AN ADDITIONAL 50% WATER QUALITY TREATMENT VOLUME DUE TO DIRECT DISCHARGE TO AN O.P.W. WITH A 50% CREDIT FOR TREATMENT IN DRY RETENTION.  
 2. THE REQUIRED WATER QUALITY TREATMENT VOLUME FOR THE 2.5 INCHES PERCENT IMPERVIOUS CRITERIA IS PER THE BUILDOUT PHASE OF THE PRODUCTION PAD CONSTRUCTION.



**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:

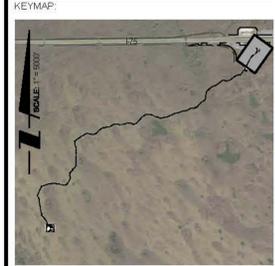
**SITE PLAN (A)**

OWNER/CLIENT/CONSULTANT:

**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/23/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 08/25/21	11/02/21



PROFESSIONAL SEALS:  
PROFESSIONAL ENGINEER: DAN WATERS, P.E.  
FLORIDA LICENSE NUMBER: 60746

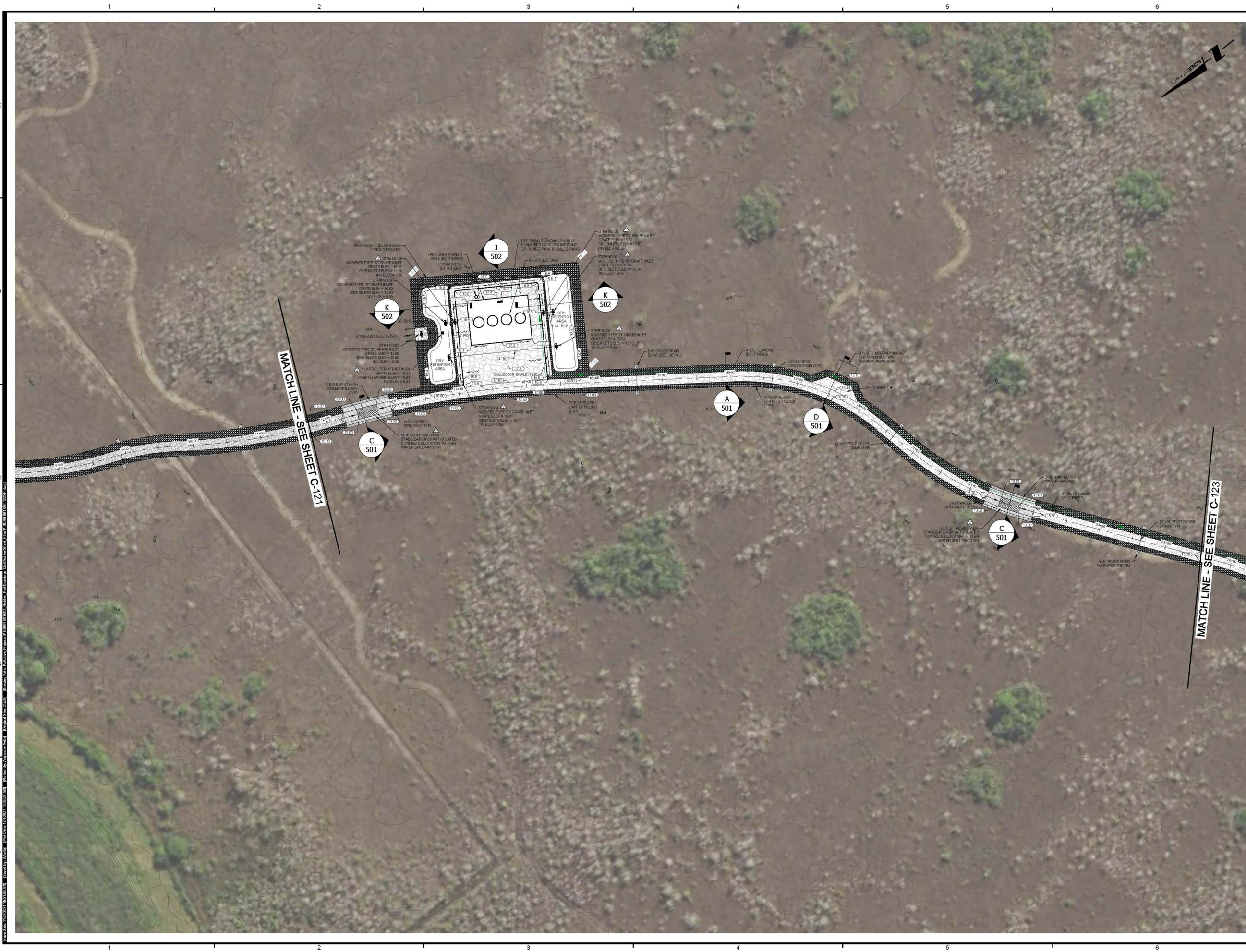


DATUM NOTE  
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(NORTH AMERICAN VERTICAL DATUM OF 1988)

Bar Scale: 1" = 60'  
0' 10' 20'

SEC: 1-3, 10 TWP: 50S RGE: 32E  
City: NAPLES County: COLLIER  
Designed by: DAN WATERS, P.E.  
Drawn by: ALEJANDRO AVILA  
Date: NOVEMBER 2020  
Horizontal Scale: 1" = 60'  
Vertical Scale: N.T.S.  
Project Number: P-BURN-001-002  
File Number: P-BURN-001-004-121SP

**C-121**  
Sheet Number: 04 of 20



**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:

**SITE PLAN (B)**

OWNER/CLIENT/CONSULTANT:

**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/20/21
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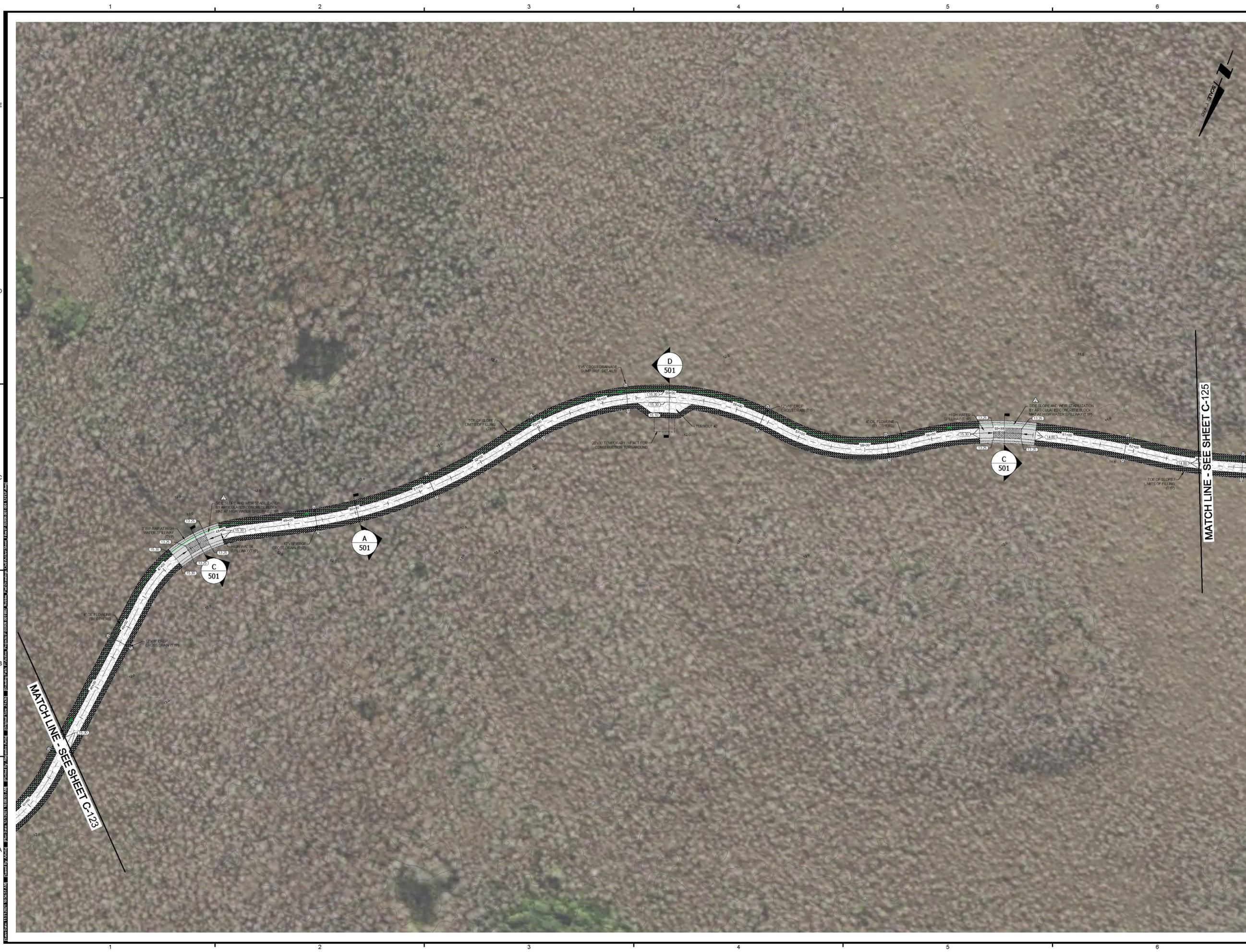


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 Designed by: DAN WATERS, P.E.  
 Drawn by: ALEJANDRO AVILA  
 Date: NOVEMBER 2020  
 Horizontal Scale: 1" = 60'  
 Vertical Scale: N.T.S.  
 Project Number: P-BURN-001-002  
 File Number: P-BURN-001-004-122SP





**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:

**SITE PLAN (D)**

OWNER/CLIENT/CONSULTANT:

**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FBEP COMMENTS DATED 02/18/21	07/2021
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FBEP COMMENTS DATED 08/25/21	11/2021



PROFESSIONAL SEALS:  
 PROFESSIONAL ENGINEER: DAN WATERS, P.E.  
 FLORIDA LICENSE NUMBER: 60746



DATUM NOTE:  
 ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)  
 Bar Scale: 1" = 60'  
 Horizontal Scale: 1" = 60'

SEC 1-3, 10 TWP 50S RGE 32E  
 City NAPLES County COLLIER  
 Designed by: DAN WATERS, P.E.  
 Drawn by: ALEJANDRO AVILA  
 Date: NOVEMBER 2020  
 Horizontal Scale: 1" = 60'  
 Vertical Scale: N.T.S.  
 Project Number: P-BURN-001-002  
 File Number: P-BURN-001-004-124SP



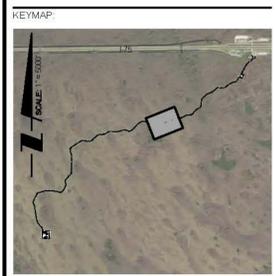
**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:  
**SITE PLAN (E)**

OWNER/CLIENT/CONSULTANT:  
**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/20/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 08/25/21	11/23/21



PROFESSIONAL SEALS:  
 PROFESSIONAL ENGINEER DAN WATERS, P.E.  
 FLORIDA LICENSE NUMBER 60746



DATUM NOTE:  
 ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)



SEC: 1-3, 10 TWP: 60S RGE: 32E  
 City: NAPLES County: COLLIER  
 Designed by: DAN WATERS, P.E.  
 Drawn by: ALEJANDRO AVILA  
 Date: NOVEMBER 2020  
 Horizontal Scale: 1" = 60'  
 Vertical Scale: N.T.S.  
 Project Number: P-BURN-001-002  
 File Number: P-BURN-001-004-125SP



**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE

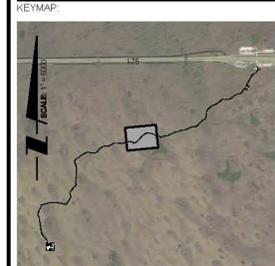
**SITE PLAN (F)**

OWNER/CLIENT/CONSULTANT

**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/22/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 06/05/21	11/22/21



PROFESSIONAL SEALS:

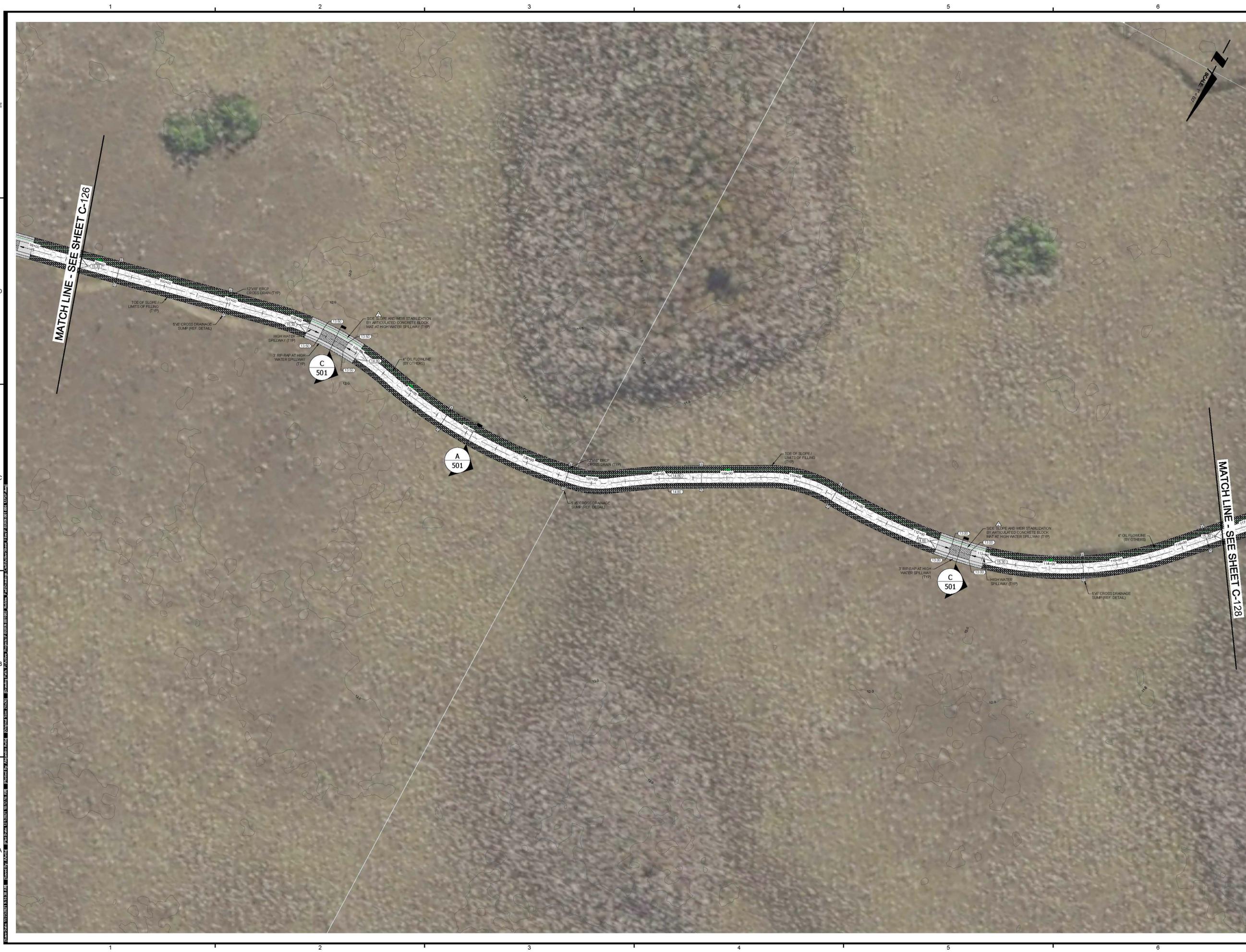
PROFESSIONAL ENGINEER DAN WATERS, P.E.  
FLORIDA LICENSE NUMBER: 60746



DATUM NOTE:  
ALL ELEVATIONS ARE BASED ON NAVD 88  
(NORTH AMERICAN VERTICAL DATUM OF 1988).



SEC: 1-3, 10 TWP: 50S RGE: 32E  
City: NAPLES County: COLLIER  
Designed by: DAN WATERS, P.E.  
Drawn by: ALEJANDRO AVILA  
Date: NOVEMBER 2020  
Horizontal Scale: 1" = 60'  
Vertical Scale: N.T.S.  
Project Number: P-BURN-001-002  
File Number: P-BURN-001-004-126SP



**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:

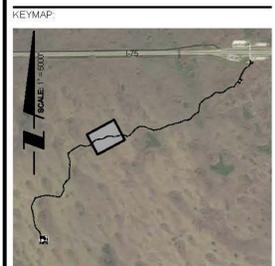
**SITE PLAN (G)**

OWNER/CLIENT/CONSULTANT:

**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/22/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 08/25/21	11/02/21



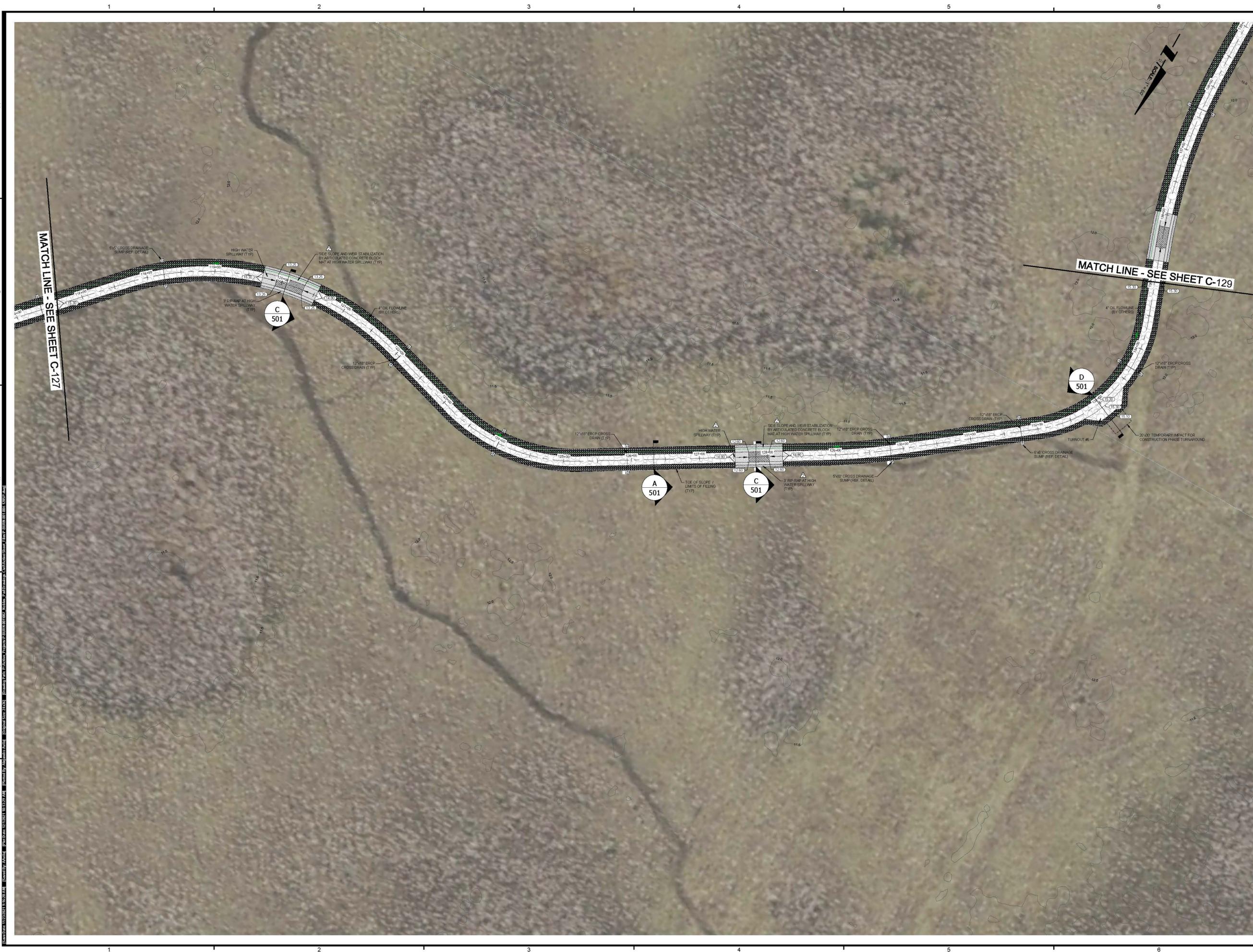
PROFESSIONAL SEALS:  
 PROFESSIONAL ENGINEER DAN WATERS, P.E.  
 FLORIDA LICENSE NUMBER 60746



DATUM NOTE:  
 ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)  
 Bar Scale: 1" = 60'  
 0 15 30 120 180

SEC: 1-3, 10 TWP: 50S RGE: 32E  
 City: NAPLES County: COLLIER  
 Designed by: DAN WATERS, P.E.  
 Drawn by: ALEJANDRO AVILA  
 Date: NOVEMBER 2020  
 Horizontal Scale: 1" = 60'  
 Vertical Scale: N.T.S.  
 Project Number: P-BURN-001-002  
 File Number: P-BURN-001-004-127SP

**C-127**



**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:

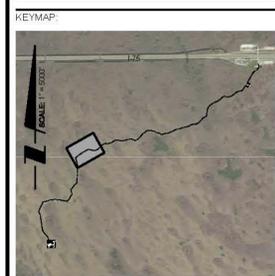
**SITE PLAN (H)**

OWNER/CLIENT/CONSULTANT:

**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/23/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 08/25/21	11/22/21



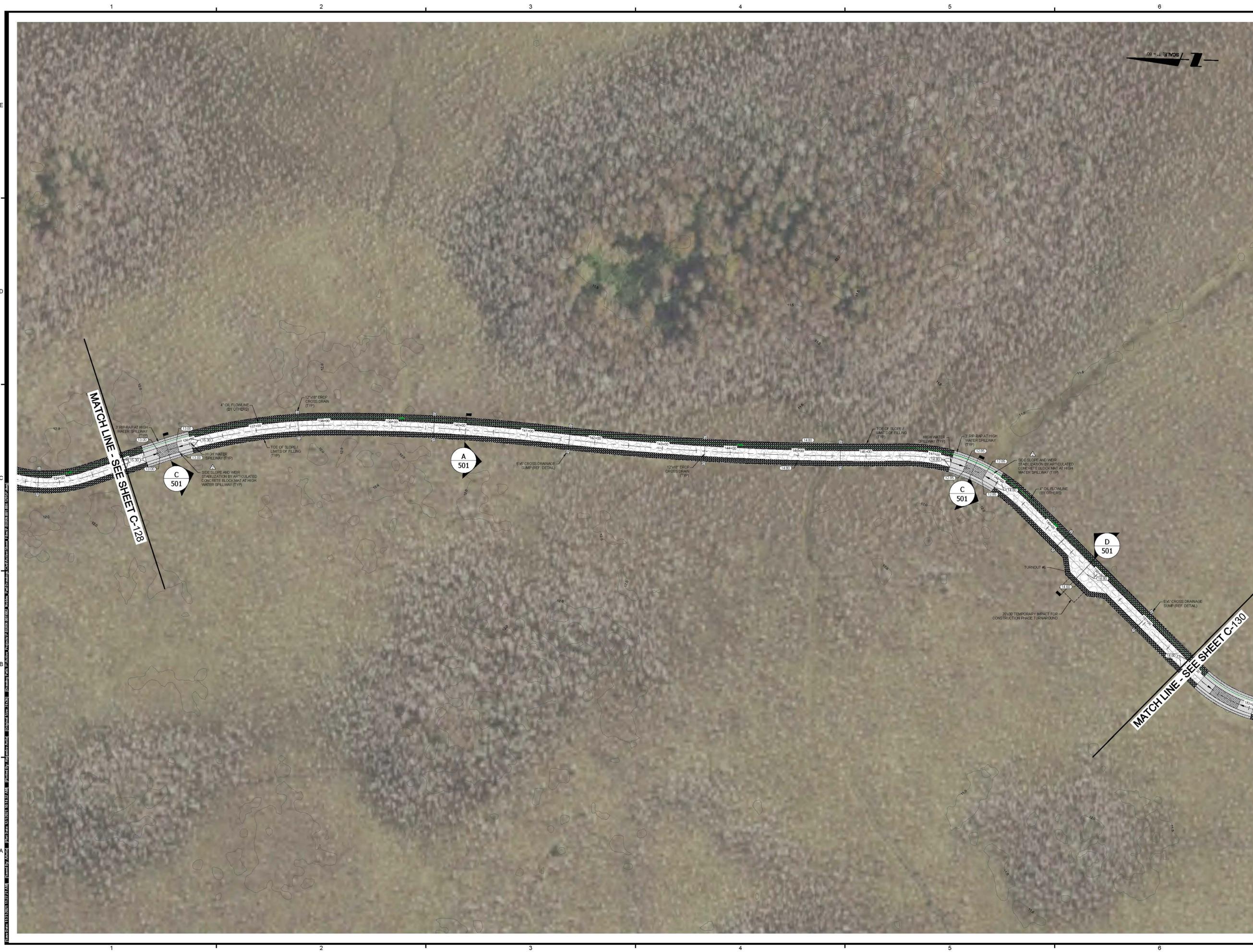
PROFESSIONAL SEALS:  
PROFESSIONAL ENGINEER DAN WATERS, P.E.  
FLORIDA LICENSE NUMBER 80746



DATUM NOTE:  
ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)

Bar Scale: 1" = 60'  
0 15 30 45 60 75 90 105 120 135 150

SEC. 1-3, 10 TWP. 50S RGE. 32E  
City NAPLES County. COLLIER  
Designed by: DAN WATERS, P.E.  
Drawn by: ALEJANDRO AVILA  
Date: NOVEMBER 2020  
Horizontal Scale: 1" = 60'  
Vertical Scale: N.T.S.  
Project Number: P-BURN-001-002  
File Number: P-BURN-001-004-128SP  
**C-128**  
Sheet Number: 11 of 20



**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:

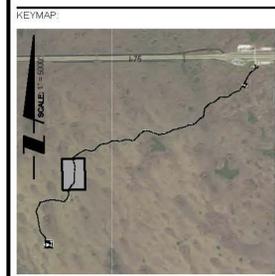
**SITE PLAN (I)**

OWNER/CLIENT/CONSULTANT:

**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/18/21	07/22/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 06/25/21	11/22/21



PROFESSIONAL SEALS  
PROFESSIONAL ENGINEER: DAN WATERS, P.E.  
FLORIDA LICENSE NUMBER: 60746



DATUM NOTE:  
ALL ELEVATIONS ARE BASED ON NAVD 88  
(NORTH AMERICAN VERTICAL DATUM OF 1988)

Bar Scale: 1" = 60'  
0 30 60 120 180

SEC 1-3, 10 TWP 50S RGE 32E  
City NAPLES County COLLIER  
Designed by: DAN WATERS, P.E.  
Drawn by: ALEJANDRO AVILA  
Date: NOVEMBER 2020  
Horizontal Scale: 1" = 60'  
Vertical Scale: N.T.S.  
Project Number: P-BURN-001-002  
File Number: P-BURN-001-004-129SP



**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:

**SITE PLAN (J)**

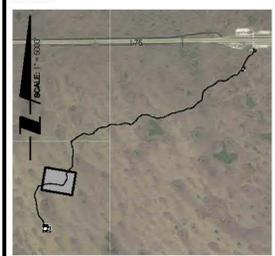
OWNER/CLIENT/CONSULTANT:

**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER PDEP COMMENTS DATED 02/19/21	07/20/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER PDEP COMMENTS DATED 08/25/21	11/22/21

KEYMAP:



PROFESSIONAL SEALS:  
 PROFESSIONAL ENGINEER: DAN WATERS, P.E.  
 FLORIDA LICENSE NUMBER: 60746



DATUM NOTE:  
 ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)

Bar Scale 1" = 60'

SEC: 1-3, 10 TWP: 50S RGE: 32E  
 City: NAPLES County: COLLIER  
 Designed by: DAN WATERS, P.E.  
 Drawn by: ALEJANDRO AVILA  
 Date: NOVEMBER 2020  
 Horizontal Scale: 1" = 60'  
 Vertical Scale: N.T.S.  
 Project Number: P-BURN-001-002  
 File Number: P-BURN-001-004-130SP

**C-130**

Sheet Number: 13 of 20



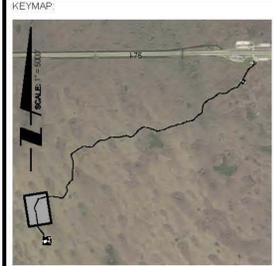
**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:  
**SITE PLAN (K)**

OWNER/CLIENT/CONSULTANT:  
**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/20/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 08/25/21	11/22/21



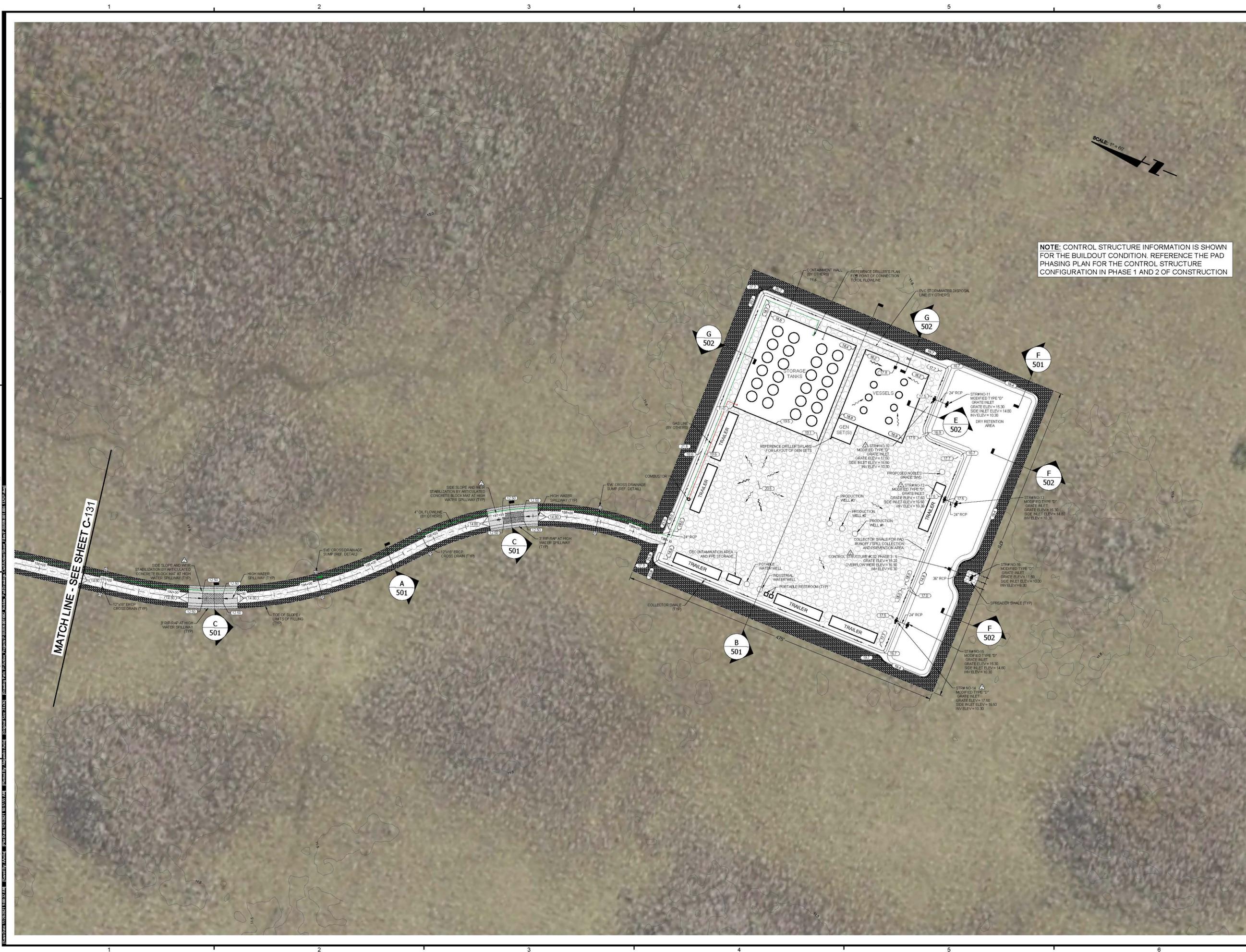
PROFESSIONAL SEALS:  
PROFESSIONAL ENGINEER: DAN WATERS, P.E.  
FLORIDA LICENSE NUMBER: 60746



DATUM NOTE:  
ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)

Bar Scale 1" = 60'

SEC: 1-3, 10 TWP: 50S RGE: 32E  
City: NAPLES County: COLLIER  
Designed by: DAN WATERS, P.E.  
Drawn by: ALEJANDRO AVILA  
Date: NOVEMBER 2020  
Horizontal Scale: 1" = 60'  
Vertical Scale: N.T.S.  
Project Number: P-BURN-001-002  
File Number: P-BURN-001-004-131SP



**NOTE:** CONTROL STRUCTURE INFORMATION IS SHOWN FOR THE BUILDOUT CONDITION. REFERENCE THE PAD PHASING PLAN FOR THE CONTROL STRUCTURE CONFIGURATION IN PHASE 1 AND 2 OF CONSTRUCTION



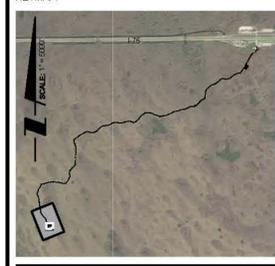
**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:  
**SITE PLAN (L)**

OWNER/CLIENT/CONSULTANT:  
**BURNETT OIL CO., INC.**

REVISIONS:

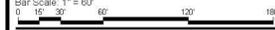
No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/22/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 08/25/21	11/22/21



PROFESSIONAL SEALS:  
 PROFESSIONAL ENGINEER DAN WATERS, P.E.  
 FLORIDA LICENSE NUMBER 80746



DATUM NOTE:  
 ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)



SEC 1-3, 10	TWP 50S	RGE 32E
City NAPLES	County COLLIER	
Designed by:	DAN WATERS, P.E.	
Drawn by:	ALEJANDRO AVILA	
Date:	NOVEMBER 2020	
Horizontal Scale:	1" = 60'	
Vertical Scale:	N.T.S.	
Project Number:	P-BURN-001-002	
File Number:	P-BURN-001-004-132SP	
Sheet Number:	<b>C-132</b> 15 of 20	

# NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS

## PRODUCTION PAD PHASING PLAN

OWNER/CLIENT/CONSULTANT:

**BURNETT OIL CO., INC.**

### DRILL RIG EQUIPMENT LEGEND

A	DIESEL TANK
B	PARTS
C	CHANGE HOUSE
D	#3 MOTOR
E	#2 MOTOR
F	#1 MOTOR
G	SCR HOUSE
H	JUNK BOX
I	JUNK RACK / MUD HOUSE
J	OIL BIN
K	WATER TANK
L	SHAKER TANK
M	SUCTION TANK
N	#1 PUMP MAT
O	#2 PUMP
P	#1 PUMP
Q	WIRE TRAY
R	CHOKE MANIFOLD
S	SUB
T	CLOSED LOOP EQUIPMENT

### REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/22/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 08/25/21	11/22/21

### KEYMAP:

### PROFESSIONAL SEALS:

PROFESSIONAL ENGINEER: DAN WATERS, P.E.  
FLORIDA LICENSE NUMBER: 60746



### DATUM NOTE:

ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)  
Bar Scale: 1" = 50'  
Graphic Scale: 0 50 100 150

SEC 1-3, 10 TWP 50S RGE 32E

City: NAPLES County: COLLIER

Designed by: DAN WATERS, P.E.

Drawn by: ALEJANDRO AVILA

Date: NOVEMBER 2020

Horizontal Scale: 1" = 50'

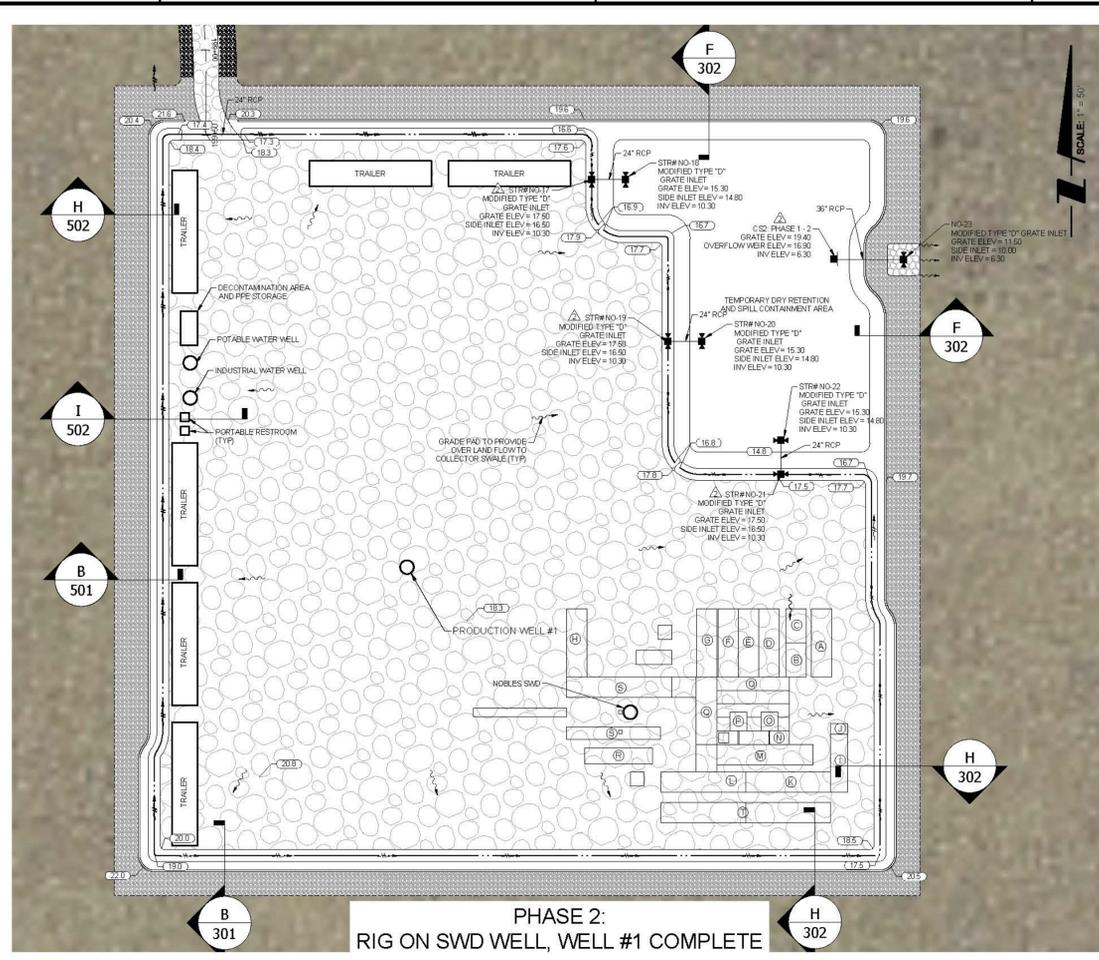
Vertical Scale: N.T.S.

Project Number: P-BURN-001-002

File Number: P-BURN-001-004-133SP

**C-133**

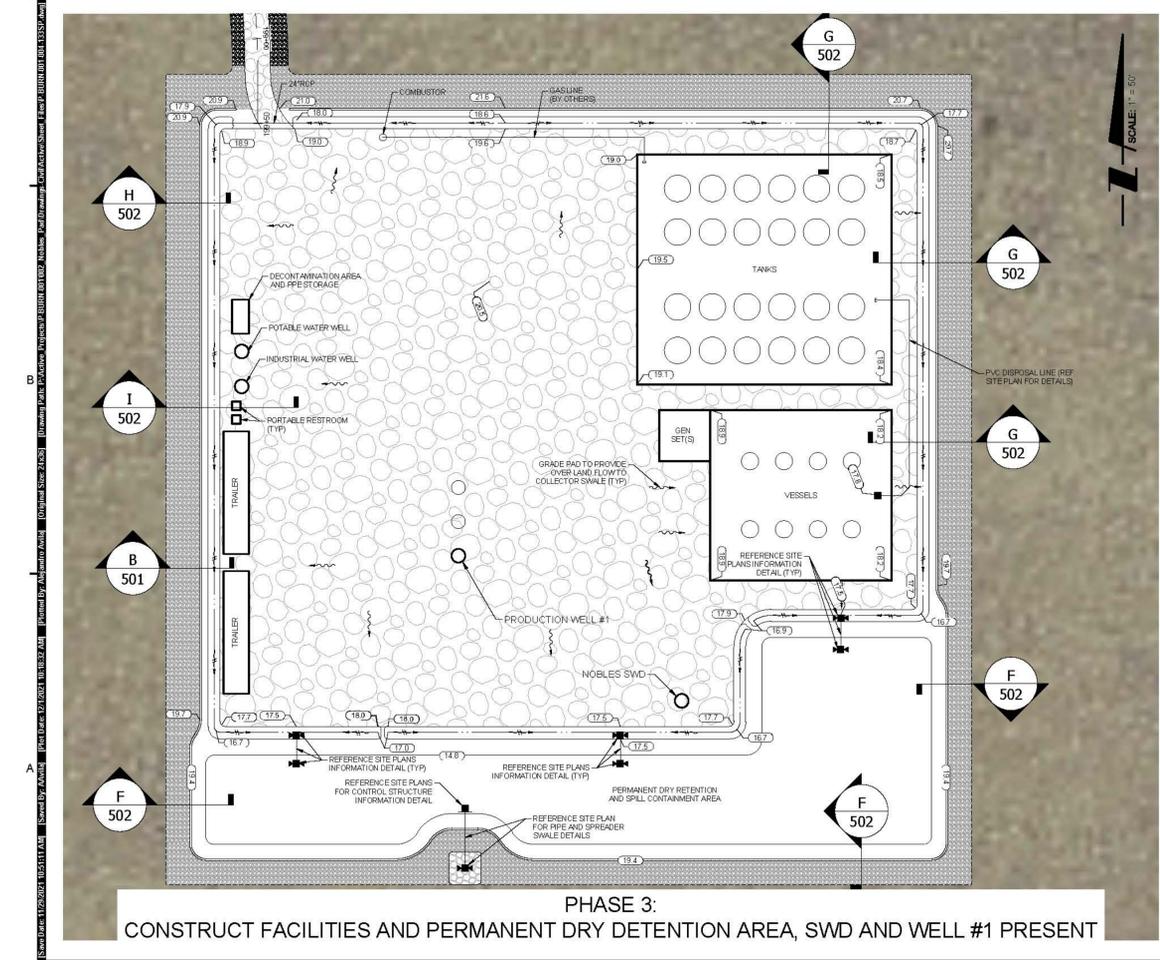
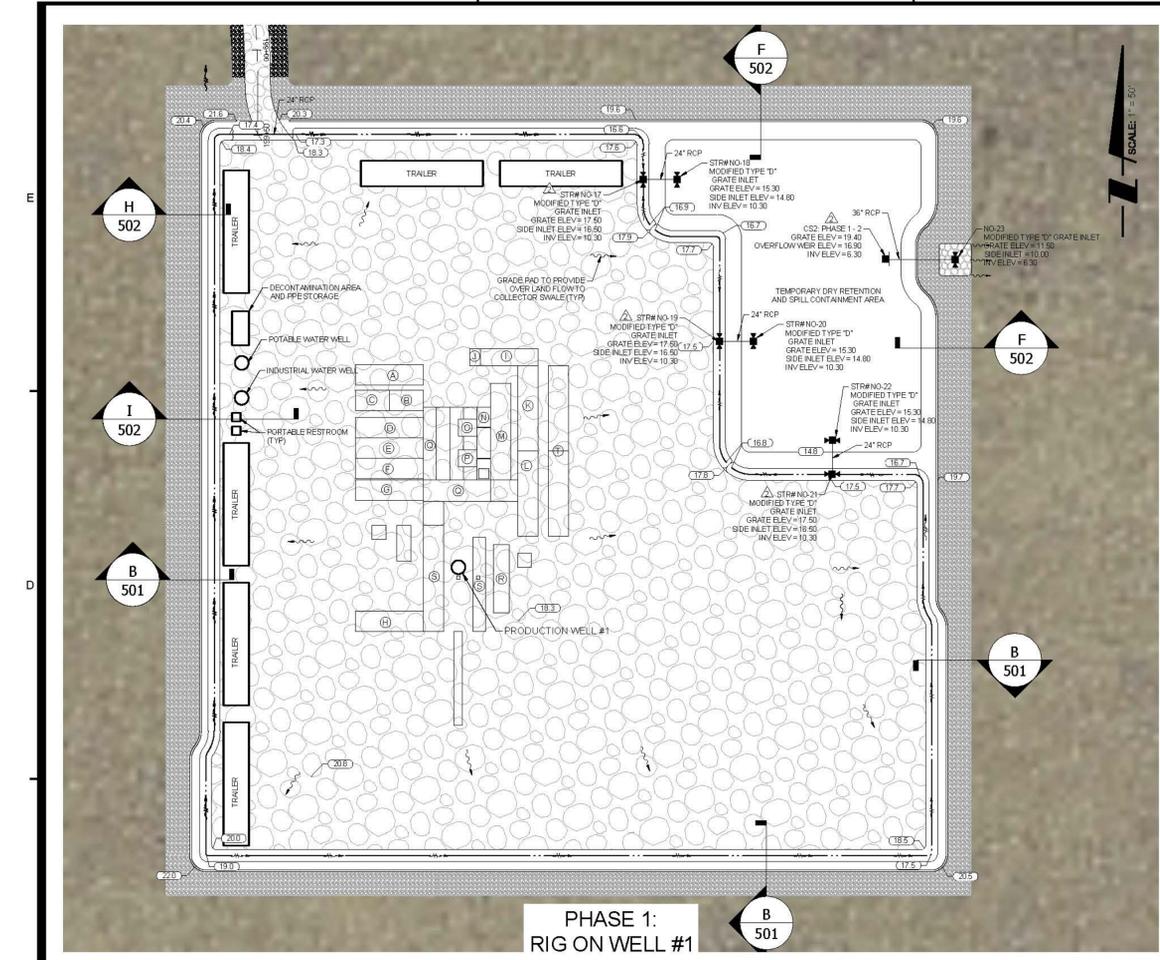
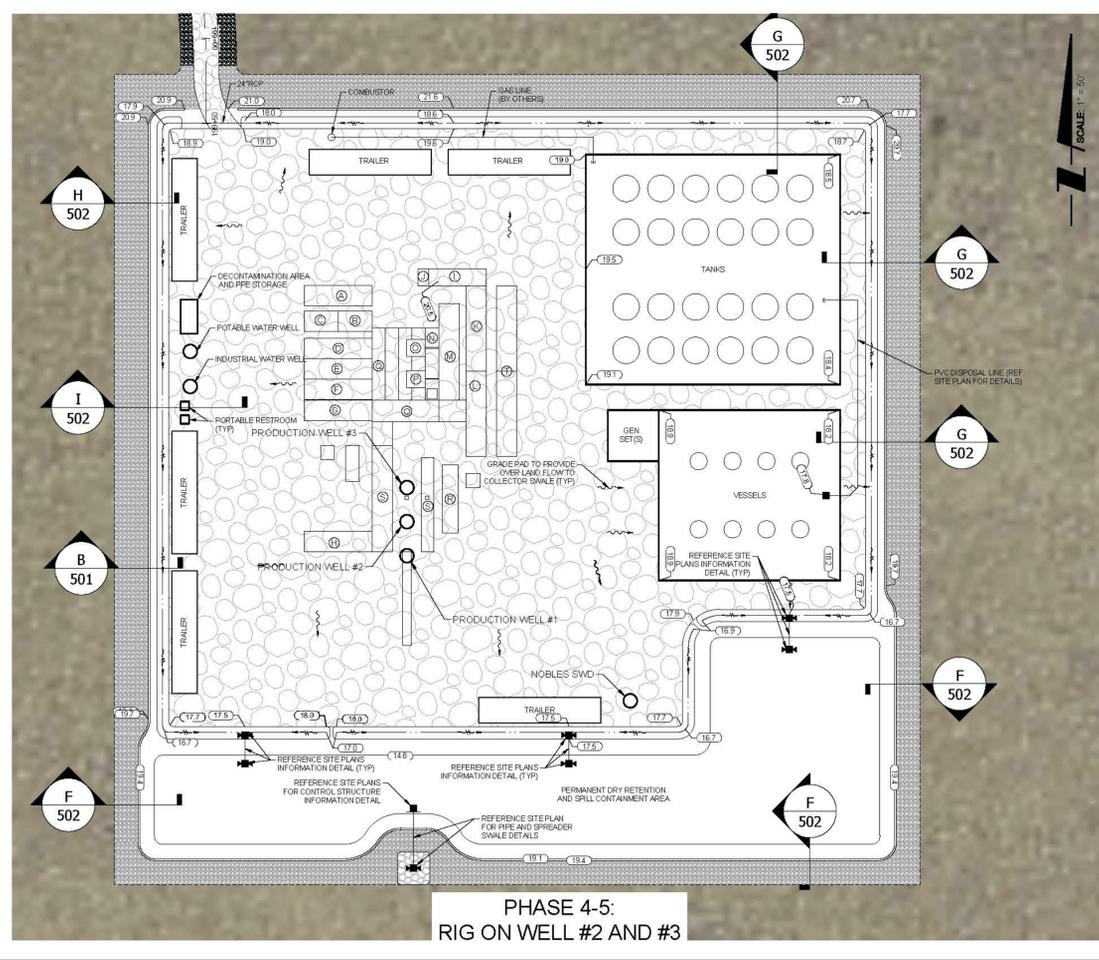
Sheet Number: 16 of 20



### PHASE 2 TO PHASE 3 GRADING NOTES

THE GENERAL SEQUENCE OF THE REGRADING OF THE PAD AND DRY RETENTION AREA IS SHOWN IN THE ERP WILL BE AS FOLLOWS:

1. INSTALL EROSION AND TURBIDITY CONTROL AT THE PERIMETER OF THE PROPOSED PAD.
2. INSTALL THE PERMANENT / PHASE 3-4 STORMWATER CONTROL STRUCTURE AND SPREADER SWALE.
3. BACKFILL PHASE 1 / 2 RETENTION AREA WITH THE SOIL MATERIAL EXCAVATED TO CREATE THE PERMANENT RETENTION AREA.
4. REGRADE THE PERIMETER COLLECTOR SWALES TO DIRECT WATER TO THE MODIFIED RETENTION AREA.
5. REMOVE THE PHASE 1 - 2 STORMWATER CONTROL STRUCTURE AND SPREADER SWALE.
6. FOLLOWING THE COMPLETION OF THE STABILIZATION OF THE PERMANENT RETENTION AREA, REMOVE THE EROSION AND TURBIDITY CONTROL AT THE PERIMETER OF THE PAD.



# NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS

TITLE:

## CROSS SECTIONS AND DETAILS (A)

OWNER/CLIENT/CONSULTANT:

BURNETT OIL CO., INC.

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/22/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 08/25/21	11/22/21

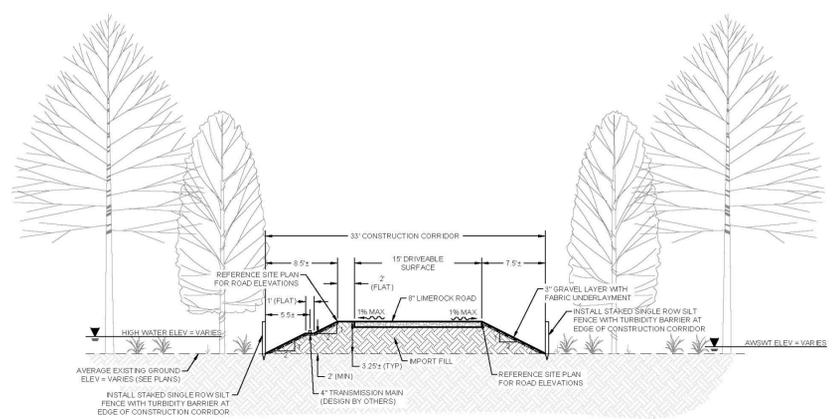
NOTES:

PROFESSIONAL SEALS:  
 PROFESSIONAL ENGINEER DAN WATERS, P.E.  
 FLORIDA LICENSE NUMBER 60746



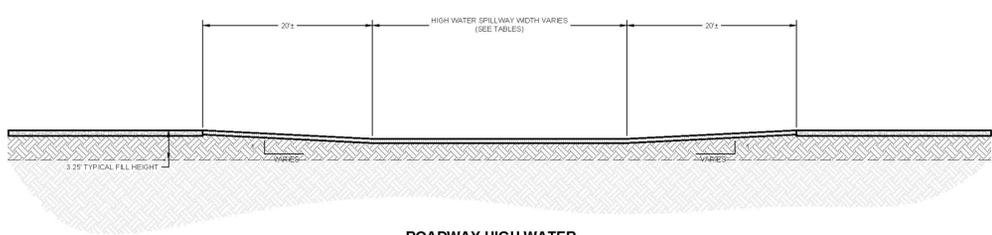
DATUM NOTE:  
 ALL ELEVATIONS ARE BASED ON NAVD 88  
 (NORTH AMERICAN VERTICAL DATUM OF 1988).

SEC: 1-3, 10	TWP: 50S	RGE: 32E
City: NAPLES	County: COLLIER	
Designed by: DAN WATERS, P.E.		
Drawn by: ALEJANDRO AVILA		
Date: NOVEMBER 2020		
Horizontal Scale: N.T.S.		
Vertical Scale: N.T.S.		
Project Number: P-BURN-001-002		
File Number: P-BURN-001-004-501DD		
<b>C-501</b>		
Sheet Number: 17	of 20	

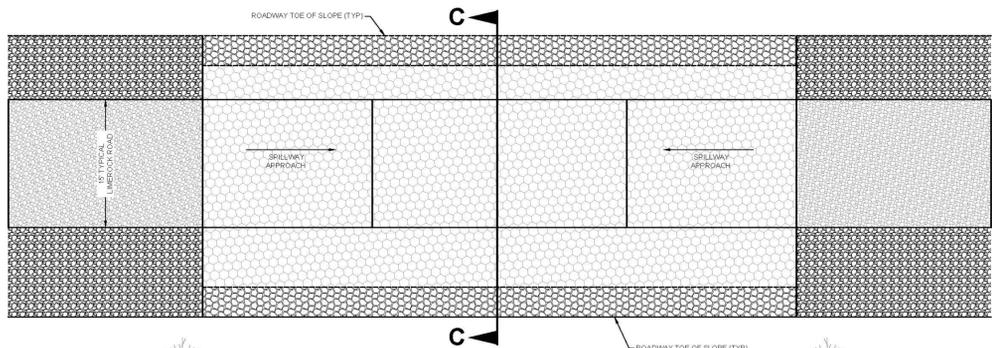


**A SECTION**  
 SCALE: 1" = 10'

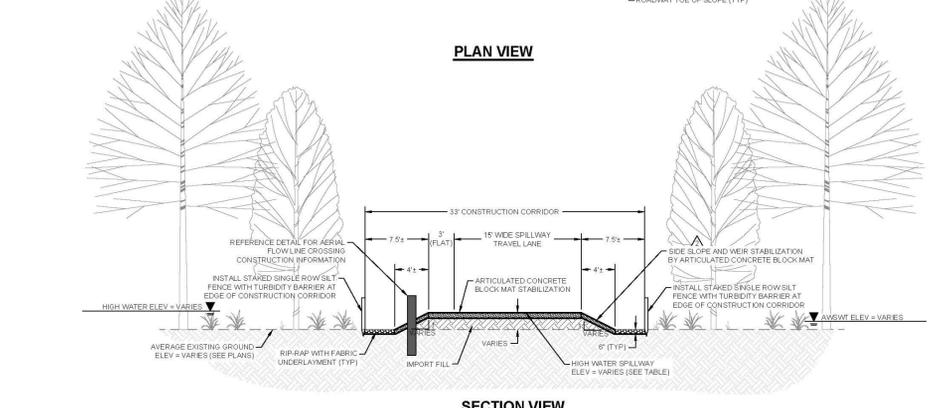
**PAD ACCESS ROAD EXPOSED TRANSMISSION MAIN**



**ROADWAY HIGH WATER SPILLWAY PROFILE VIEW**



**PLAN VIEW**



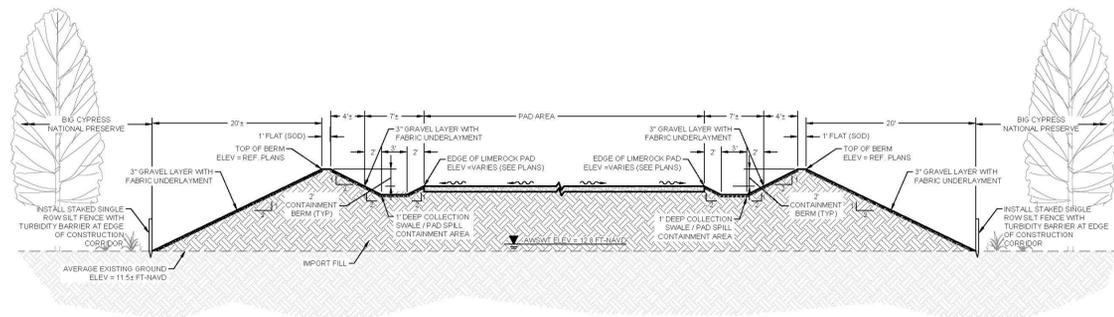
**SECTION VIEW**

**C SECTION**  
 SCALE: 1" = 10'

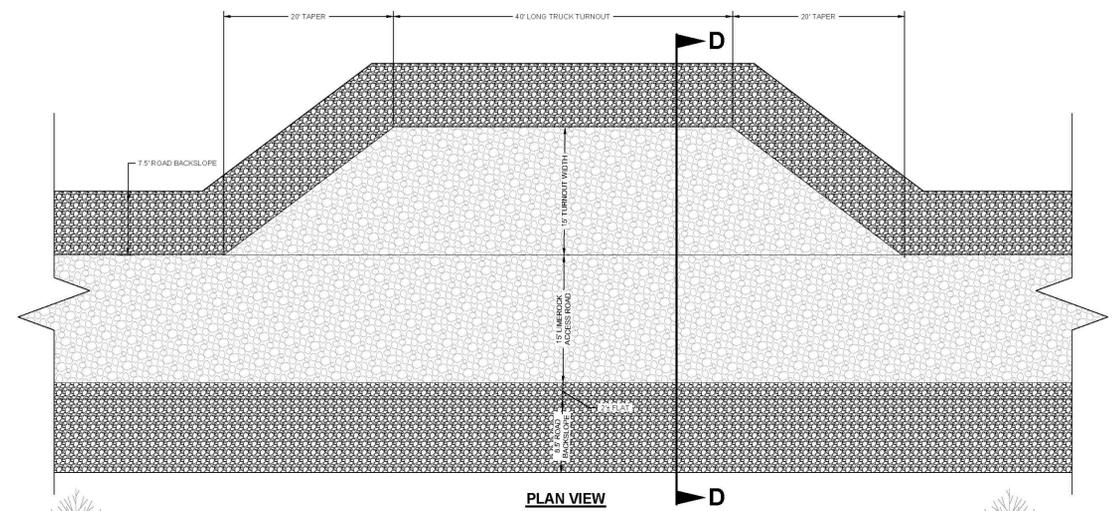
**HIGH WATER SPILLWAY DETAIL**

LOCATION (ROAD STA)	SPILLWAY ELEVATION (FT-NAVD)	SPILLWAY BOTTOM WIDTH (FT)
0+28	14.25	30
12+62	13.00	30
22+82	13.00	30
32+63	13.00	30
41+22	13.00	30
47+61	13.00	30
60+13	13.25	40
70+67	13.50	40
89+90	12.50	30
97+63	13.00	30
102+82	13.50	40
112+66	13.00	30
120+12	13.25	40
127+87	12.60	30
125+66	13.00	30
147+62	12.85	30
152+61	13.10	40
160+62	13.15	40
167+64	13.00	40
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187+64	13.00	40
192+59	12.50	30
197+22	12.50	30

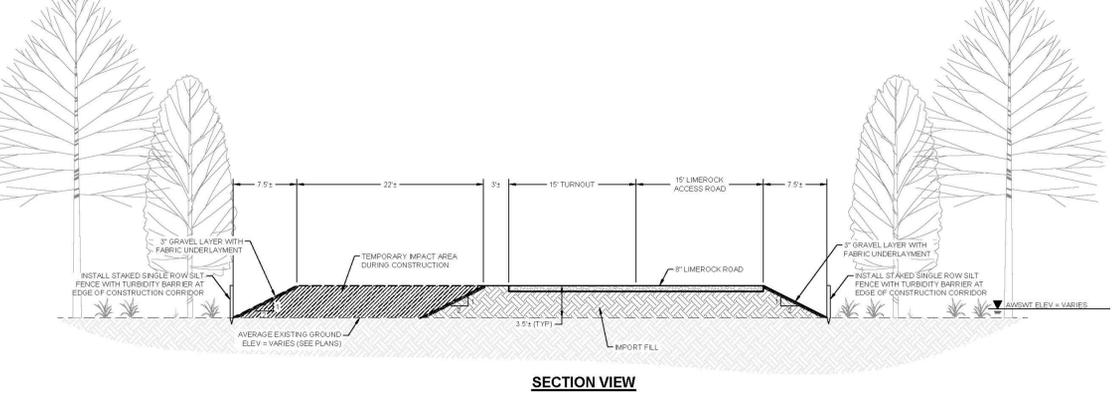
**HIGH WATER SPILLWAY DIMENSION DETAILS**



**B SECTION**  
 SCALE: 1" = 10'



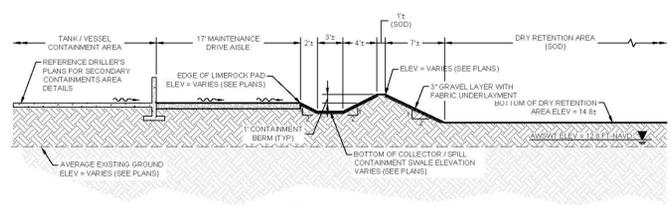
**PLAN VIEW**



**SECTION VIEW**

**D SECTION**  
 SCALE: 1" = 10'

**TYPICAL TRUCK TURNOUT DETAIL**



**E SECTION**  
 SCALE: 1" = 10'

**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:  
**CROSS SECTIONS AND DETAILS (B)**

OWNER/CLIENT/CONSULTANT:  
**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/22/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 08/25/21	11/22/21

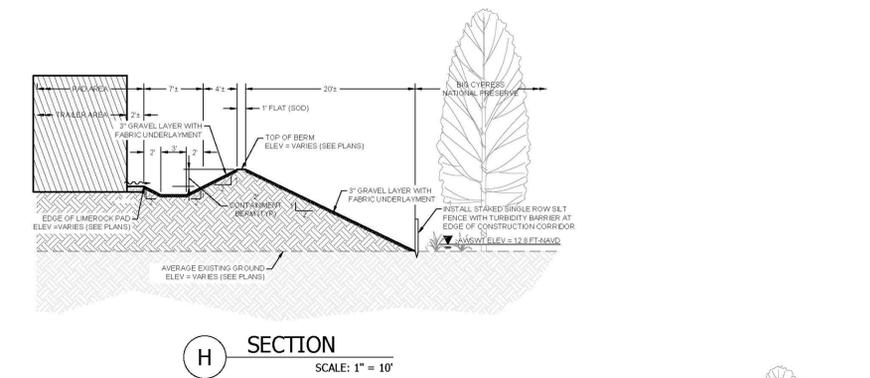
NOTES:

PROFESSIONAL SEALS:  
 PROFESSIONAL ENGINEER: DAN WATERS, P.E.  
 FLORIDA LICENSE NUMBER: 60746

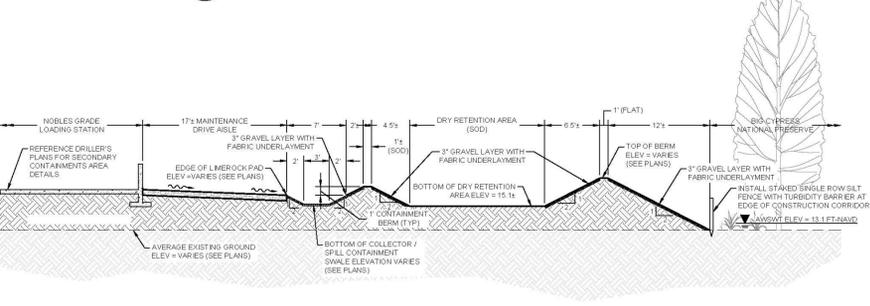


DATUM NOTE:  
 ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)

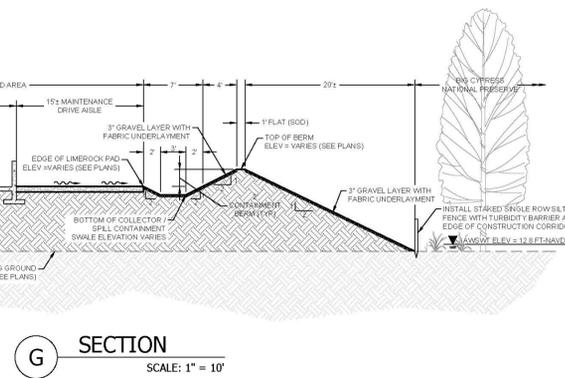
SEC 1-3, 10	TWP 50S	RGE 32E
City NAPLES	County COLLIER	
Designed by: DAN WATERS, P.E.		
Drawn by: ALEJANDRO AVILA		
Date: NOVEMBER 2020		
Horizontal Scale: N.T.S.		
Vertical Scale: N.T.S.		
Project Number: P-BURN-001-002		
File Number: P-BURN-001-004-502DD		



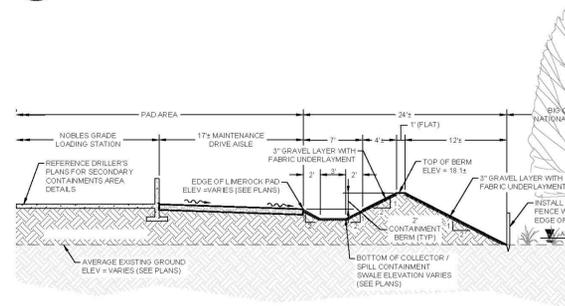
**H SECTION**  
 SCALE: 1" = 10'



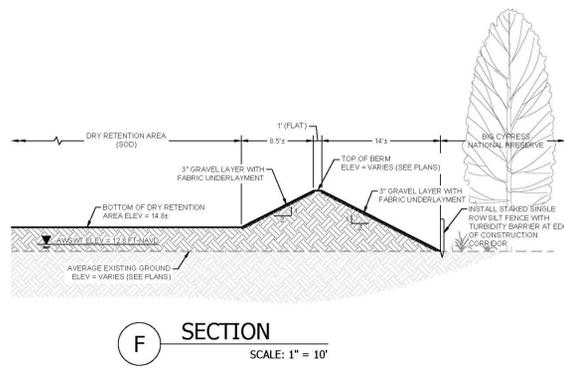
**K SECTION**  
 SCALE: 1" = 10'



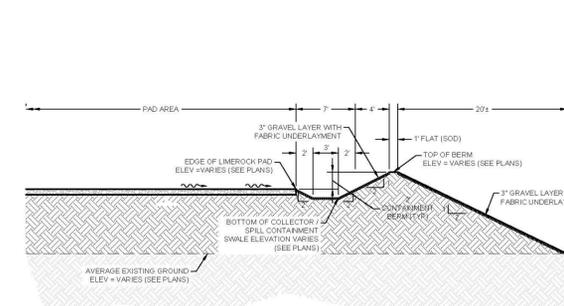
**G SECTION**  
 SCALE: 1" = 10'



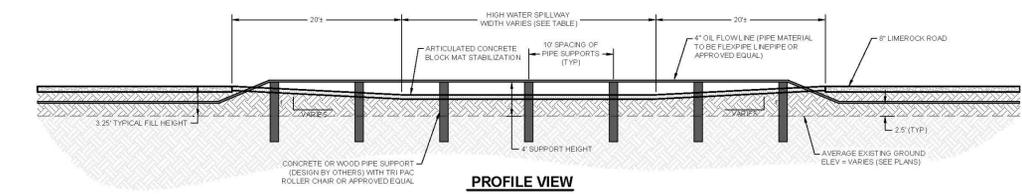
**J SECTION**  
 SCALE: 1" = 10'



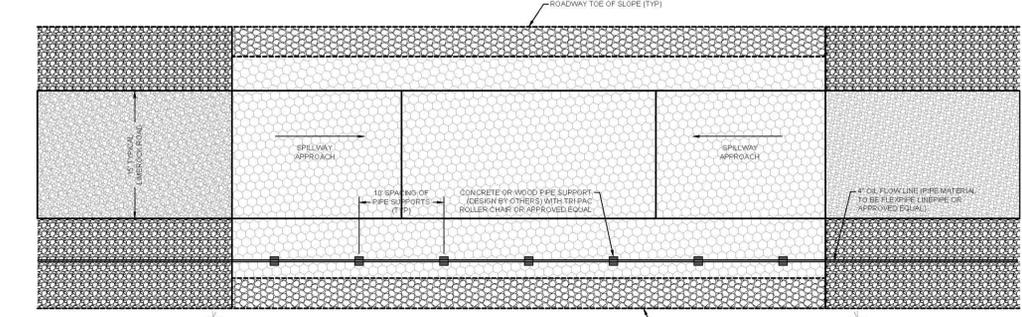
**F SECTION**  
 SCALE: 1" = 10'



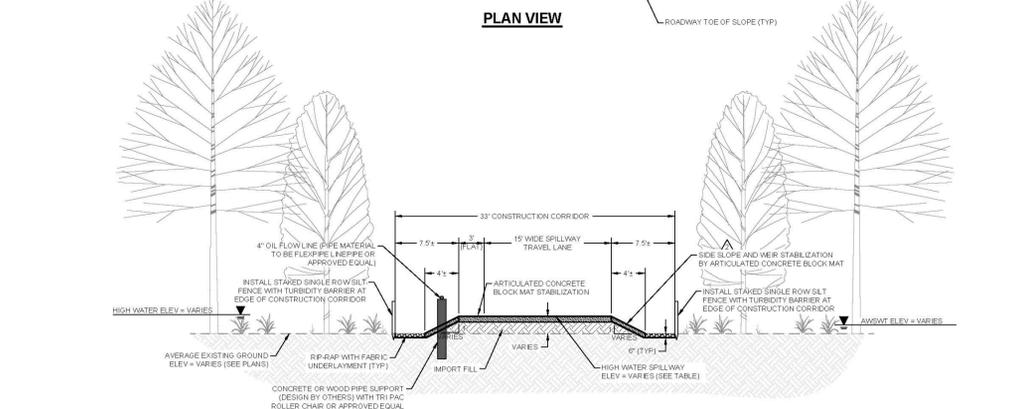
**I SECTION**  
 SCALE: 1" = 10'



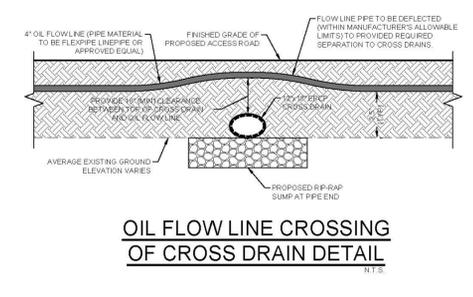
**PROFILE VIEW**



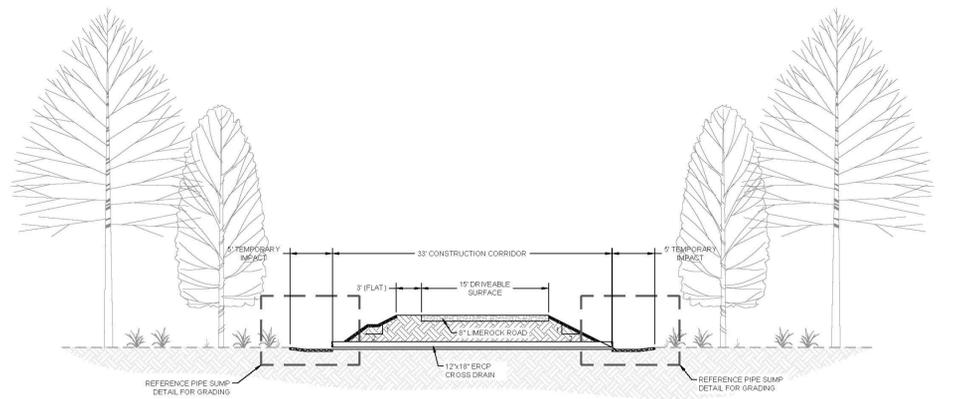
**PLAN VIEW**



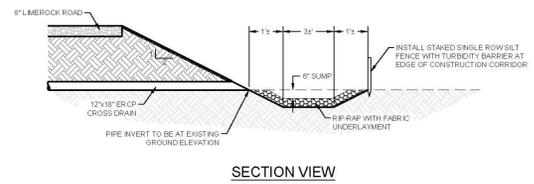
**AERIAL FLOW LINE CROSSING OF HIGH WATER SPILLWAY DETAIL**  
 N.T.S.



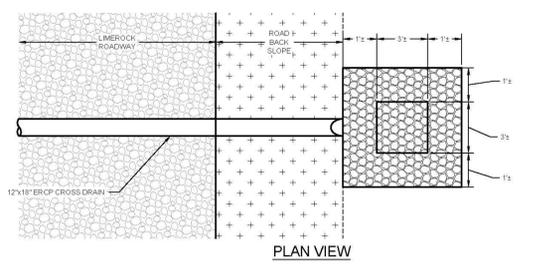
**OIL FLOW LINE CROSSING OF CROSS DRAIN DETAIL**  
 N.T.S.



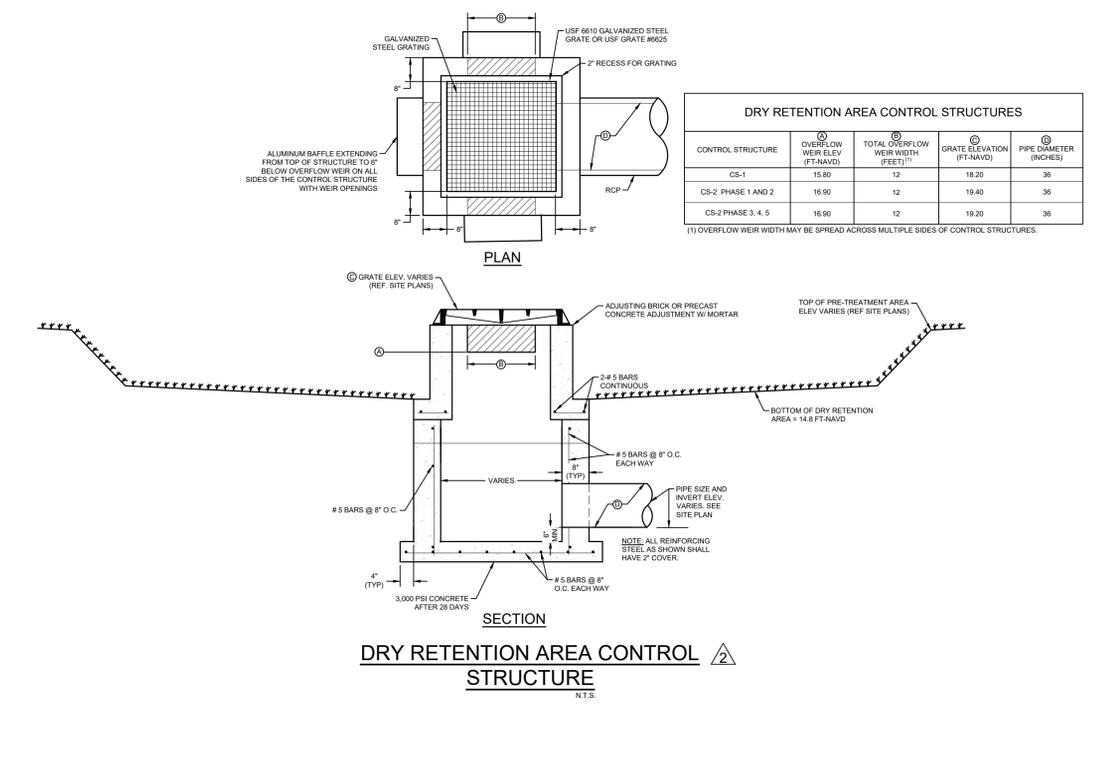
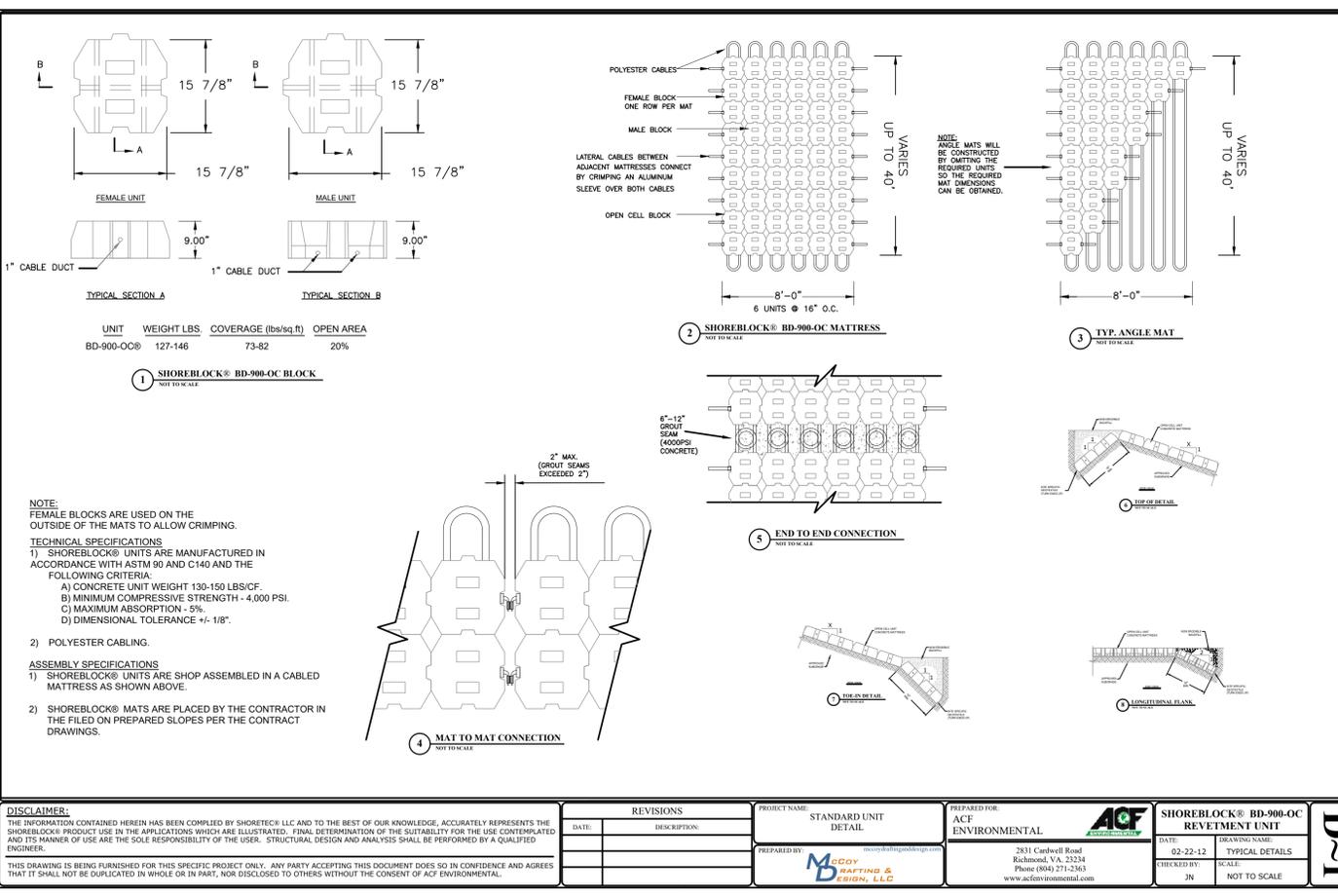
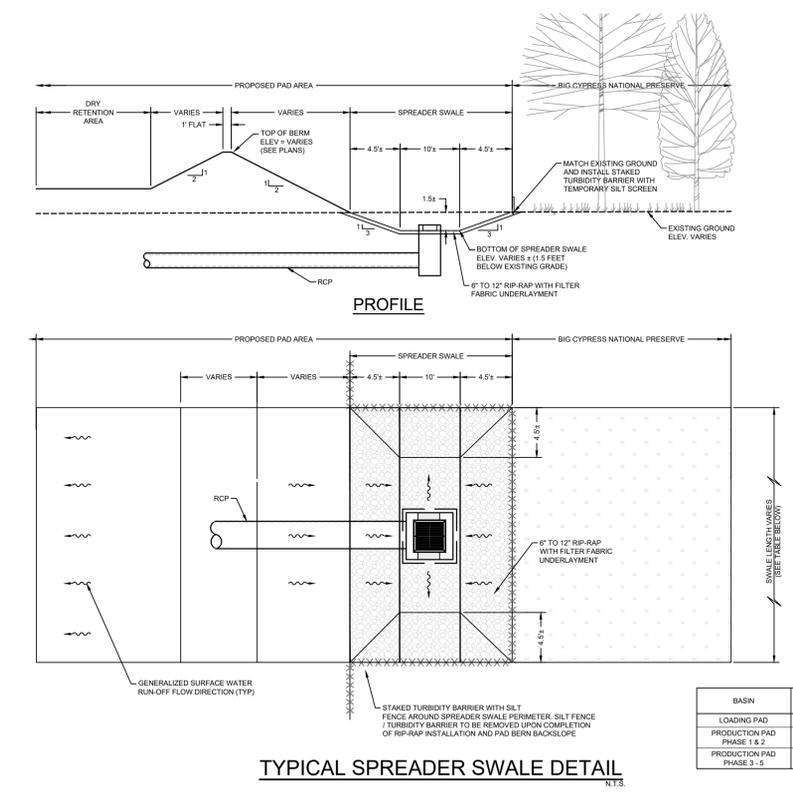
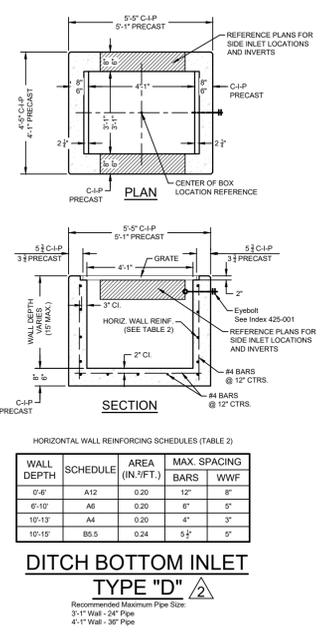
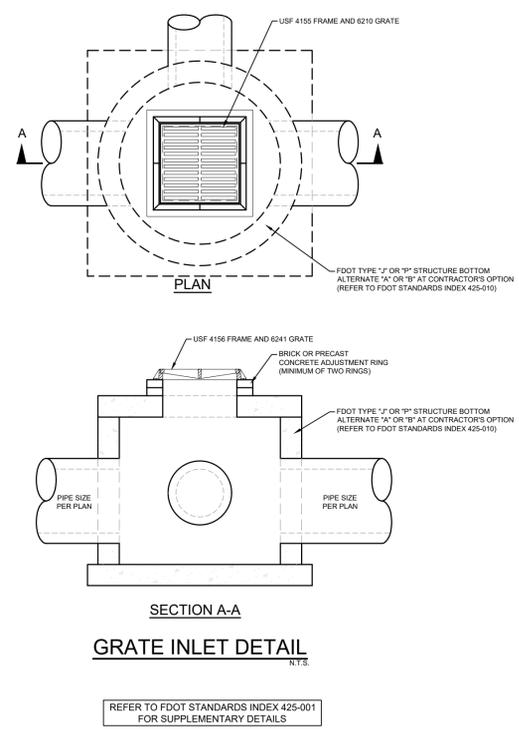
**TYPICAL CROSS DRAIN DETAIL**  
 N.T.S.



**SECTION VIEW**



**PIPE SUMP DETAIL**  
 N.T.S.



**PENINSULA ENGINEERING**  
 CIVIL ENGINEERING - LANDSCAPE ARCHITECTURE - ENVIRONMENTAL CONSULTING - LAND PLANNING - SITE PLANNING - CONSTRUCTION MANAGEMENT - OWNER REPRESENTATIVE

2600 Golden Gate Parkway  
 Naples, Florida 34105  
 Phone: 239.403.6700 Fax: 239.261.1797  
 Email: info@pen-eng.com Website: www.pen-eng.com  
 Florida Engineering Certificate of Authorization #23275  
 Florida Landscape Certificate of Authorization #LC26000632

PROJECT:

**NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS**

TITLE:

**DRAINAGE DETAILS**

OWNER/CLIENT/CONSULTANT:

**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
1	REVISED PER FDEP COMMENTS DATED 02/19/21	07/22/21
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER FDEP COMMENTS DATED 08/25/21	11/22/21

NOTES:

PROFESSIONAL SEALS:  
 PROFESSIONAL ENGINEER: DAN WATERS, P.E.  
 FLORIDA LICENSE NUMBER: 60746

**DANIEL F. WATERS**  
 LICENSE No. 60746  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

DATUM NOTE:  
 ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988).

SEC: 1-3, 10 TWP: 50S RGE: 32E  
 City: NAPLES County: COLLIER  
 Designed by: DAN WATERS, P.E.  
 Drawn by: ALEJANDRO AVILA  
 Date: NOVEMBER 2020  
 Horizontal Scale: N.T.S.  
 Vertical Scale: N.T.S.  
 Project Number: P-BURN-001-002  
 File Number: P-BURN-001-004-503DD  
**C-503**  
 Sheet Number: 19 of 20

REVISIONS	PROJECT NAME	STANDARD UNIT DETAIL	PREPARED FOR:	SHORELOCK® BD-900-OC REVETMENT UNIT	D-1
DATE: DESCRIPTION:	ACF ENVIRONMENTAL	2831 Canwell Road Richmond, VA, 23234 Phone (804) 271-2363 www.acfenvironmental.com	DATE: 02-22-12 CHECKED BY: JN	DRAWING NAME: TYPICAL DETAILS SCALE: NOT TO SCALE	

