

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**

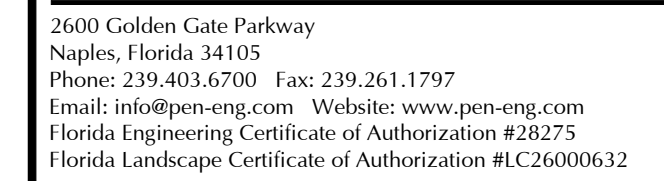
Note: Large scale drawings also provided under separate cover.

PART OF SECTION 1-3, AND 10, TOWNSHIP 50 SOUTH, RANGE 32  
EAST,  
COLLIER COUNTY, FLORIDA



Always call 811 two full business days before you dig to have underground utilities located and marked.

**Sunshine811.com**



# NOBLES GRADE ACCESS ROAD AND PAD NPS PLANS

## ERP PLANS

COVER SHEET

## SHEET INDEX

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	SET NUMBER:	SHEET ID:
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Zoning (East): CON AG SC/S

PROJECT NUMBER:	SET NUMBER:	SHEET ID:
P-BURN-001	002	C-001



[Save Date: 7/16/2021 10:40:10 AM] [Saved By: AAVila] [Plot Date: 12/17/2021 10:02:50 AM] [Plotted By: Alejandro Avila] [Original Size: 24x36] [Drawing Path: P:\Active\_Projects\IP-BURN-001\0002\_Nobles\_Pad\Drawings-Civil\AcSheet\_Files\IP-BURN-001-004-002N.dwg]









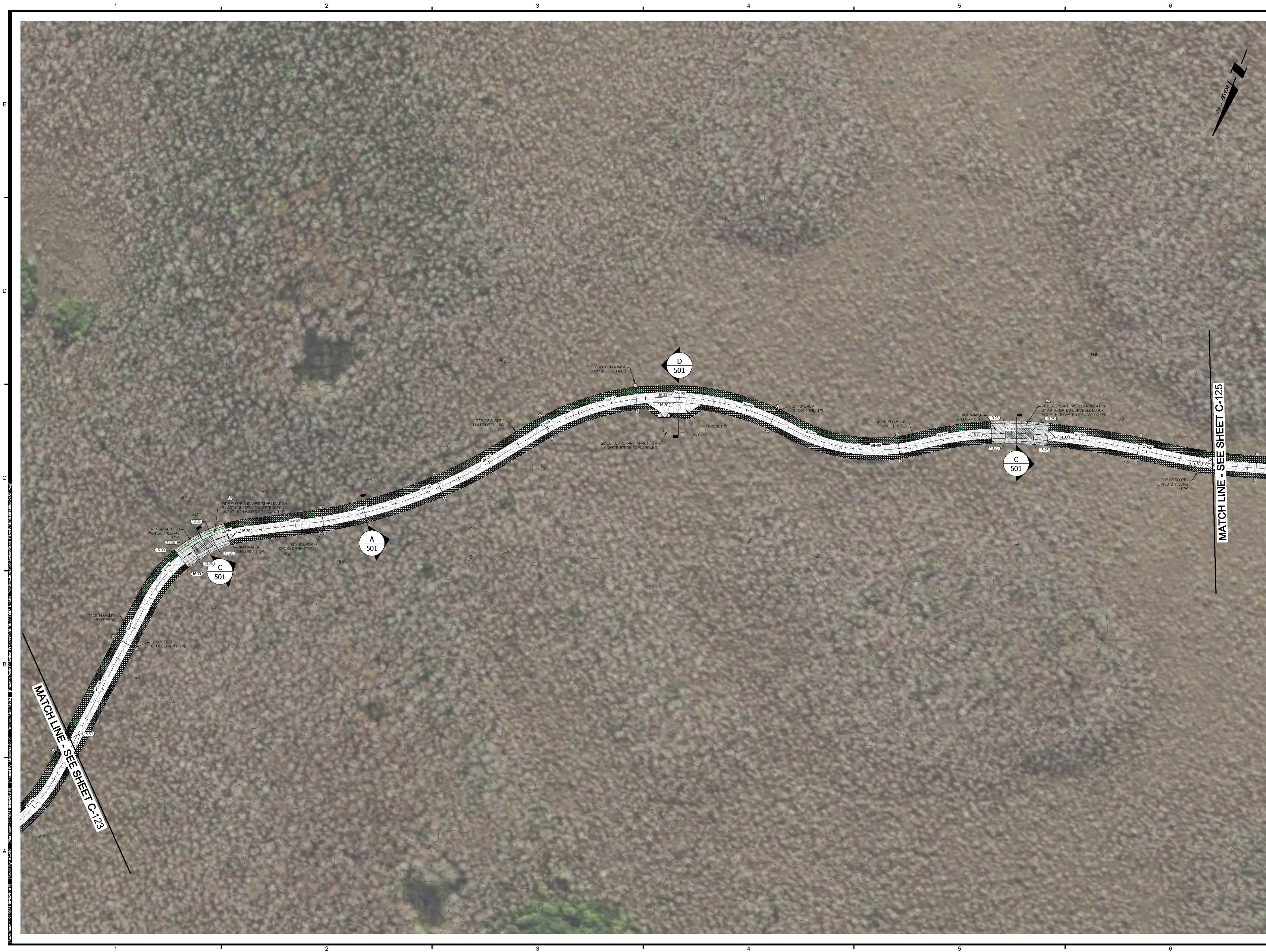












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Florida Landscape Certificate of Authorization #LC26000632

NOBLES  
GRADE  
ACCESS ROAD  
AND PAD NPS  
PLANS

TITLE: \_\_\_\_\_

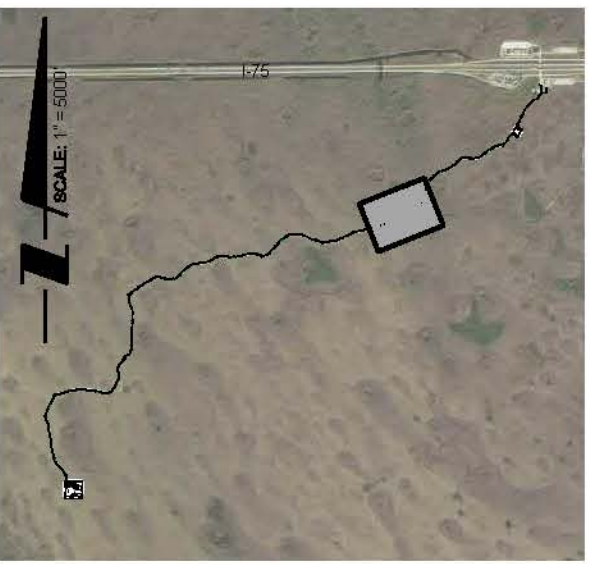
## SITE PLAN (D)

OWNER/CLIENT/CONSULTANT:

BURNETT OIL CO., INC.

[illegible]

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.

Designed by: DAN WATERS, F.E.L.  
Reviewed by: ALEJANDRO AYALA

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

C 124

C-124

Sheet Number: 07 of 20





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NOBLES  
GRADE  
ACCESS ROAD  
AND PAD NPS  
PLANS

TITLE: \_\_\_\_\_

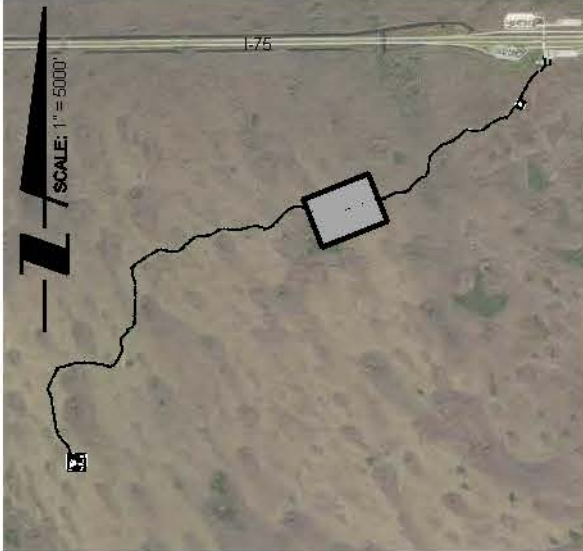
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OWNER/CLIENT/CONSULTANT:

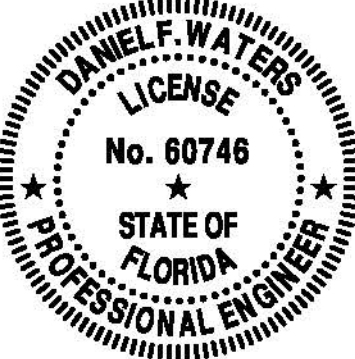
BURNETT OIL CO., INC.

[illegible]

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).



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-001-004-125SF

C 125

C-123





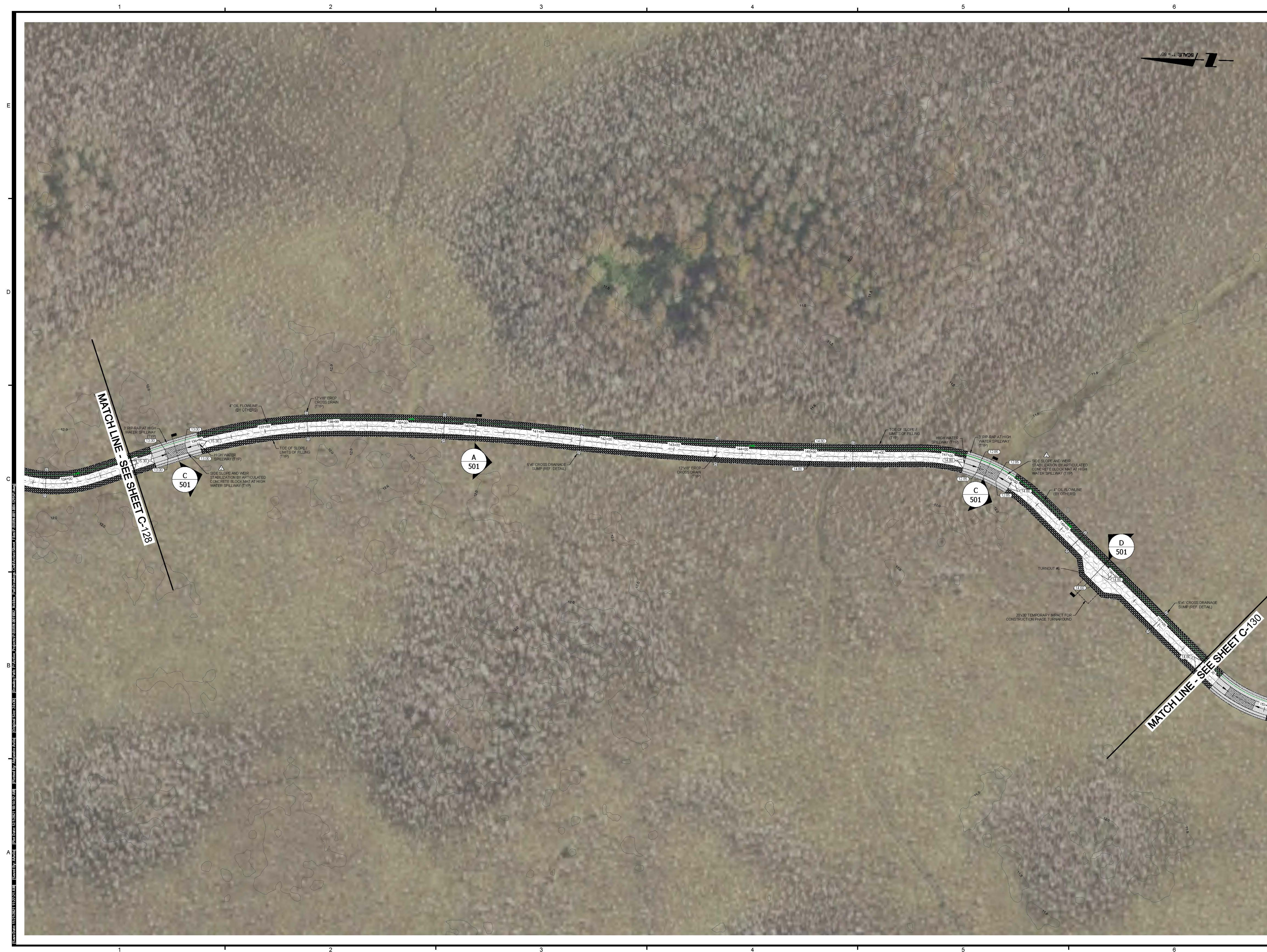












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GRADE  
ACCESS ROAD  
AND PAD NPS  
PLANS

TITLE: \_\_\_\_\_

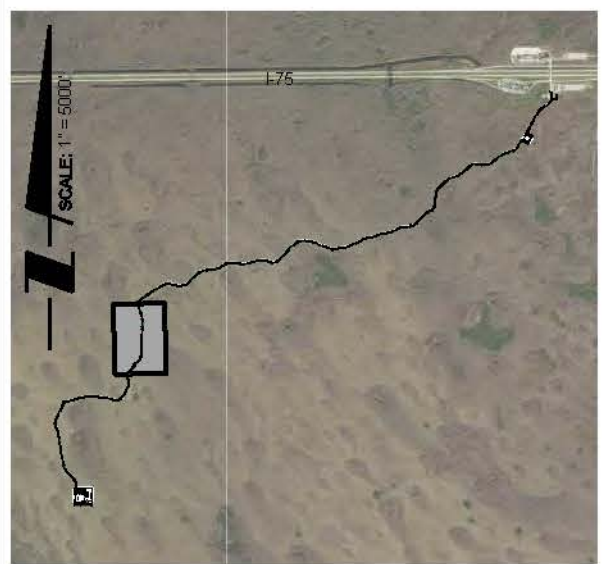
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OWNER/CLIENT/CONSULTANT:

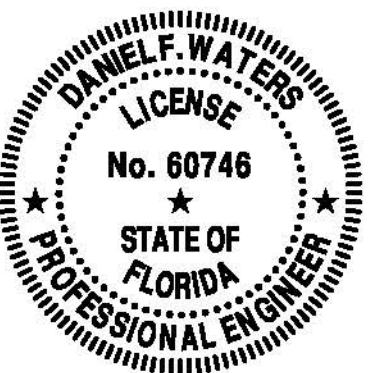
BURNETT OIL CO., INC.

[illegible]

KEYMAP:



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



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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.

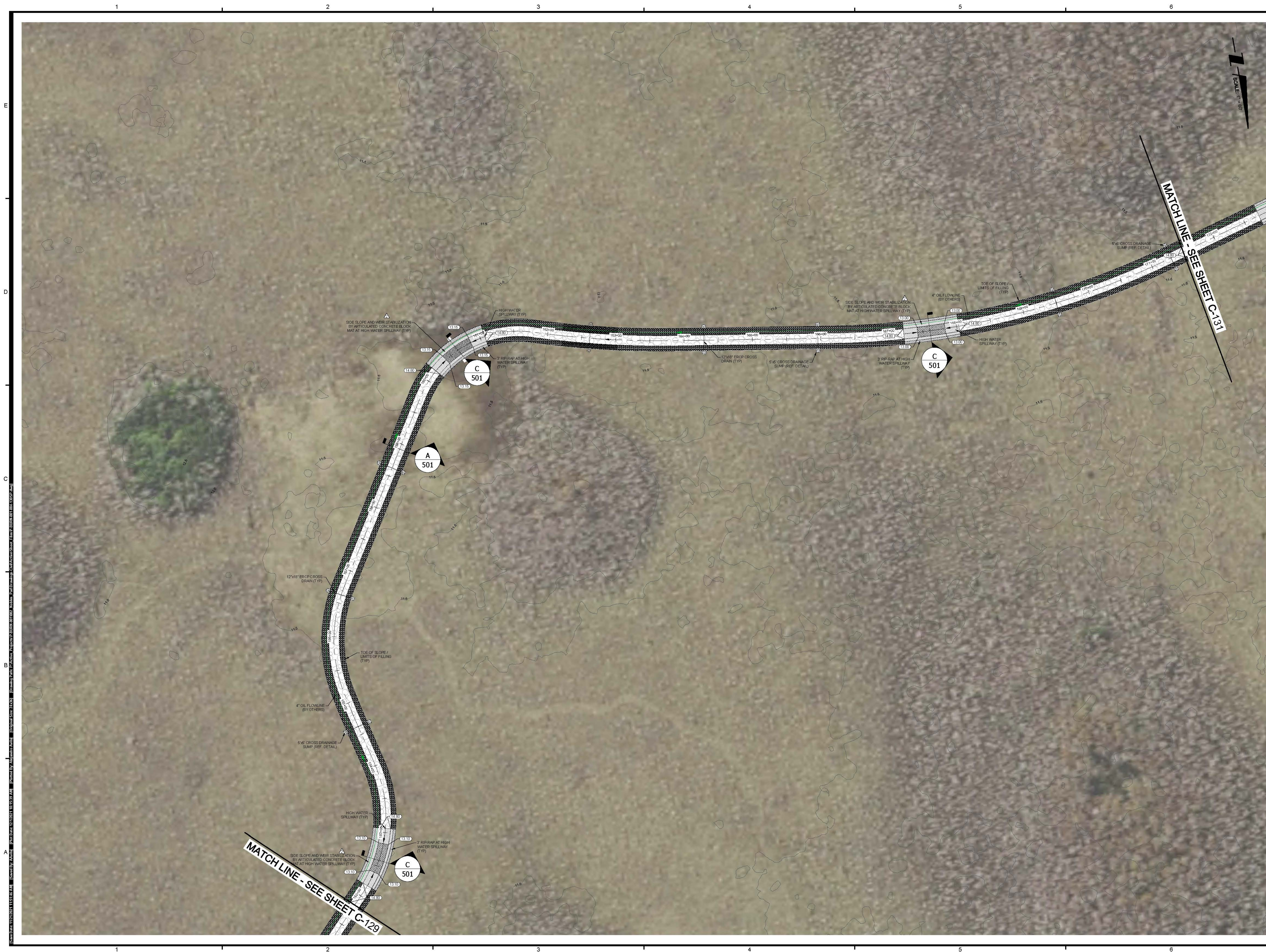
Project Number: P-BURN-001-002

File Number: P-BURN-001-004-129SP

C-129

Sheet Number: 12 of 20





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NOBLES  
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ACCESS ROAD  
AND PAD NPS  
PLANS

TITLE: \_\_\_\_\_

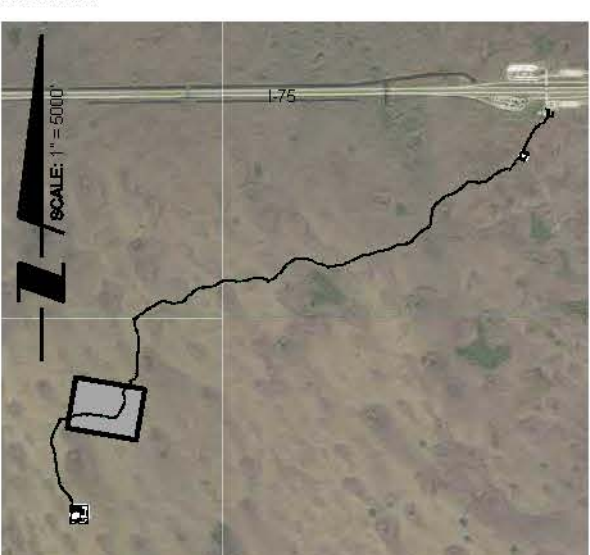
SITE PLAN (J)

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[illegible]

KEYMAP:



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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-001-002E	
File Number:	P-BURN-001-004-130SP	
<b>C-130</b>		
Sheet Number:	13	of 20

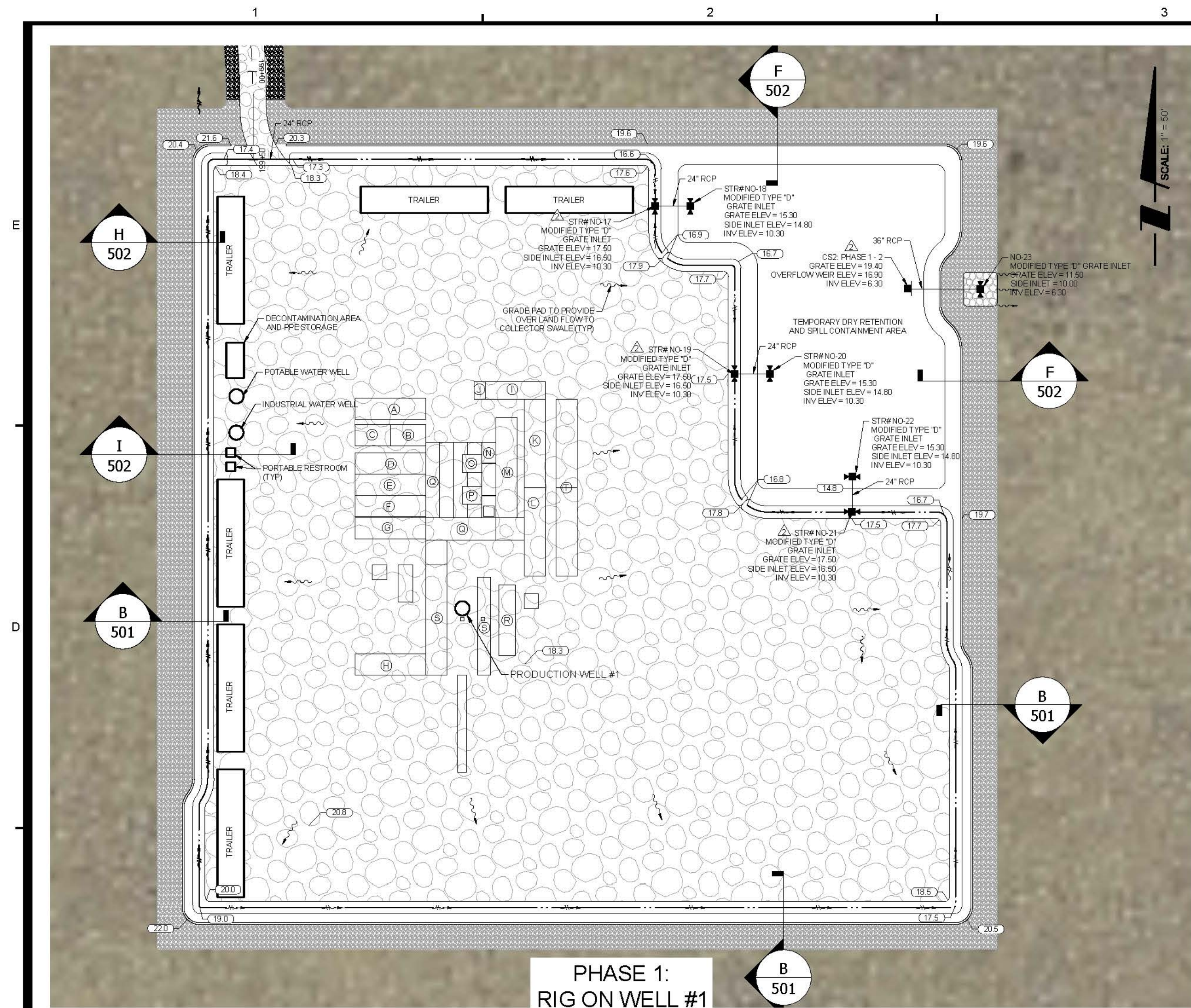




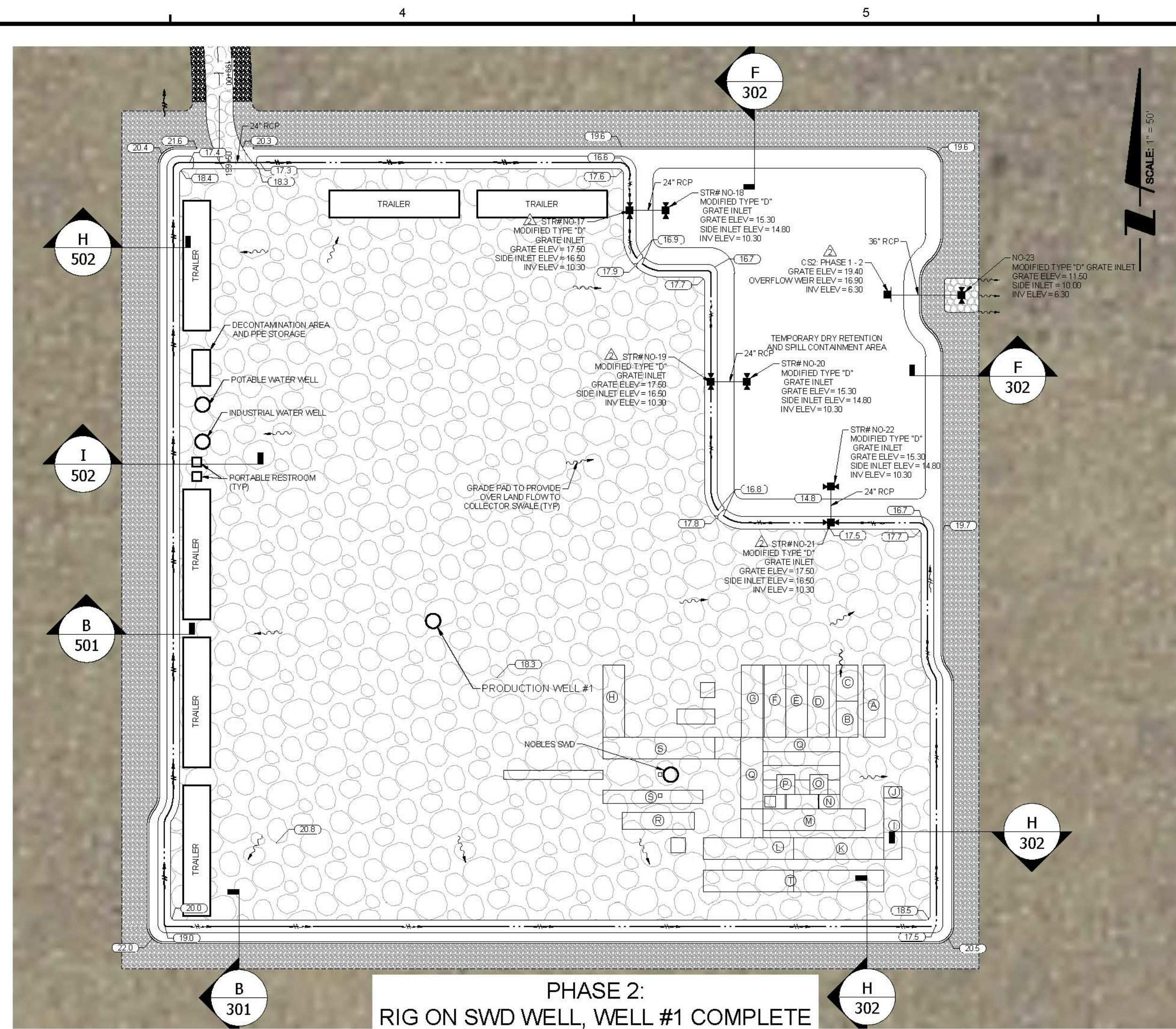






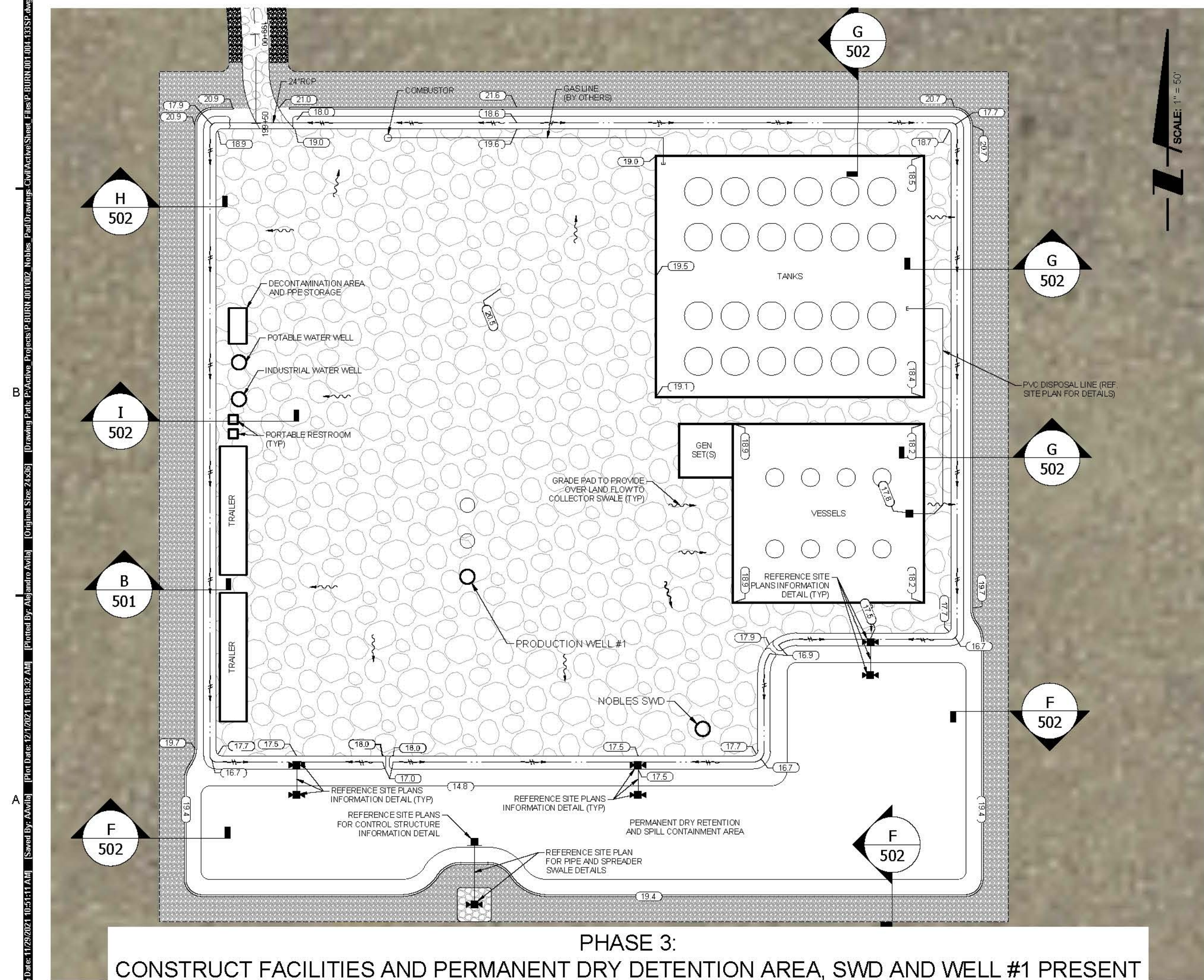


PHASE 1:  
RIG ON WELL #1

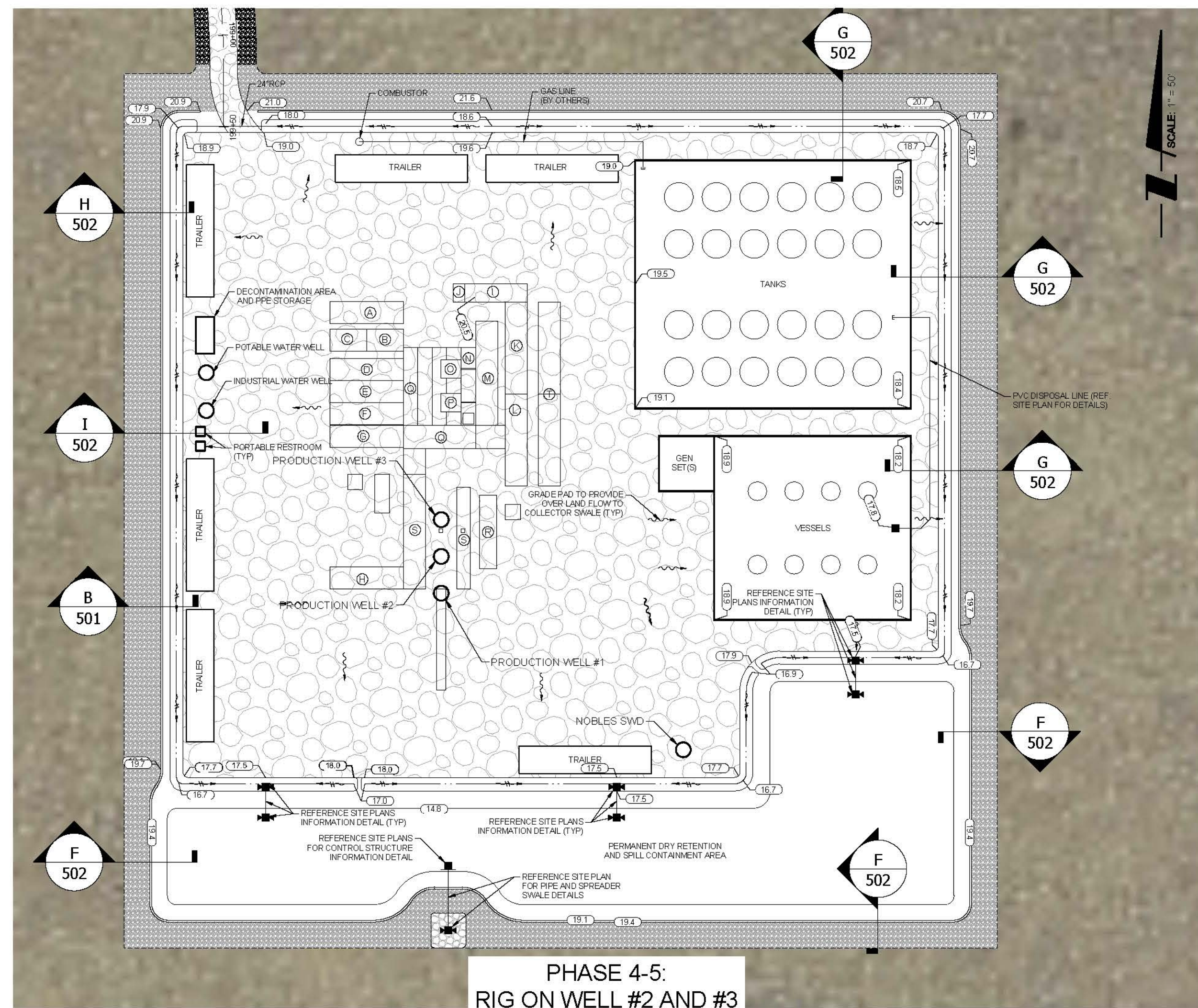


PHASE 2:  
RIG ON SWD WELL, WELL #1 COMPLETE

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



PHASE 3:  
CONSTRUCT FACILITIES AND PERMANENT DRY DETENTION AREA, SWD AND WELL #1 PRESENT



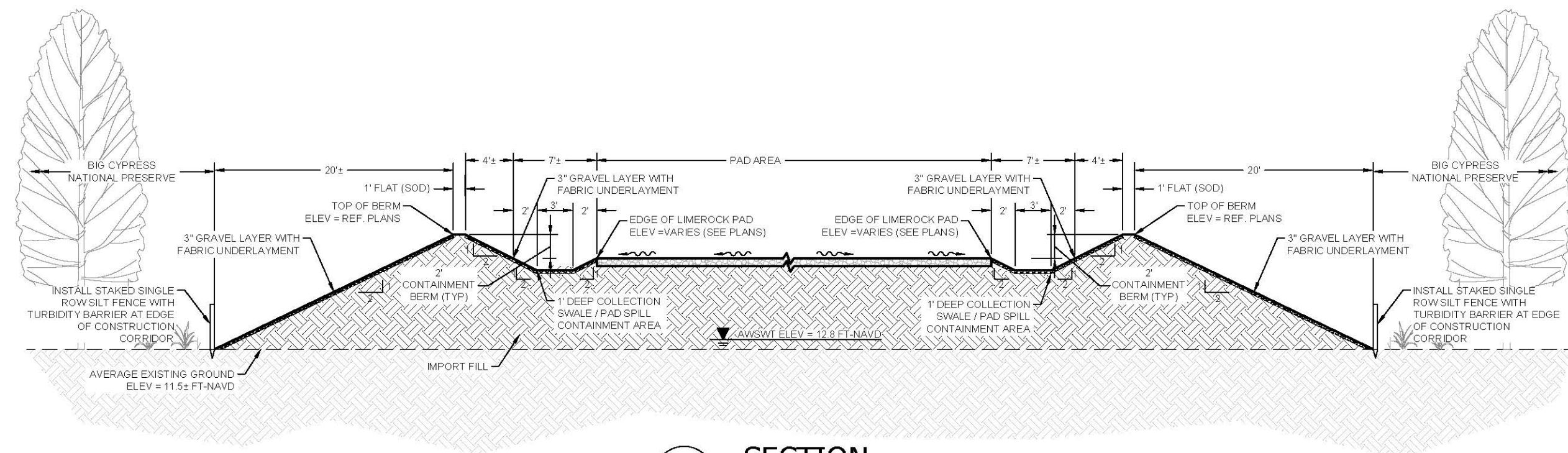
PHASE 4-5:  
RIG ON WELL #2 AND #3

#### PHASE 2 TO PHASE 3 GRADING NOTES

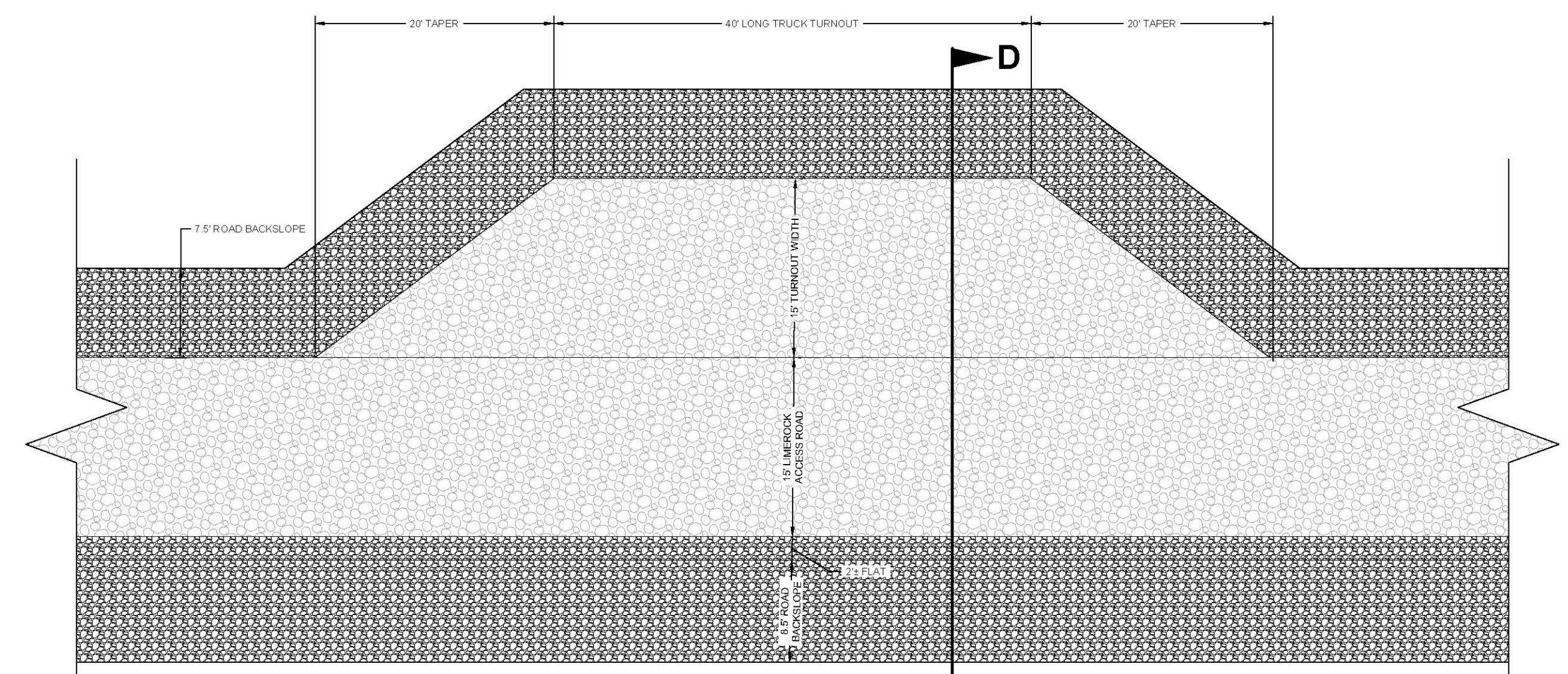
- THE GENERAL SEQUENCE OF THE REGRADING OF THE PAD AND DRY RETENTION AREA IS SHOWN IN THE ERP WILL BE AS FOLLOWS:
1. INSTALL EROSION AND TURBIDITY CONTROL AT THE PERIMETER OF THE PROPOSED PAD.
  2. INSTALL THE PERMANENT / PHASE 3-4 STORMWATER CONTROL STRUCTURE AND SPREADER SWALE.
  3. BACKFILL PHASE 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.

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Florida Engineering Certificate of Authorization #23273  
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PROJECT:  
  
**NOBLES  
GRADE  
ACCESS ROAD  
AND PAD NPS  
PLANS**  
TITLE:  
  
**PRODUCTION PAD  
PHASING PLAN**  
OWNER/CLIENT/CONSULTANT:  
  
**BURNETT OIL CO., INC.**  
  
REVISIONS:  
No. Revision Date  
1 REVISED PER PDEP COMMENTS DATED 02/19/21 07/22/21  
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" = 50'  
Graphic Scale: 0 12.5' 25' 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

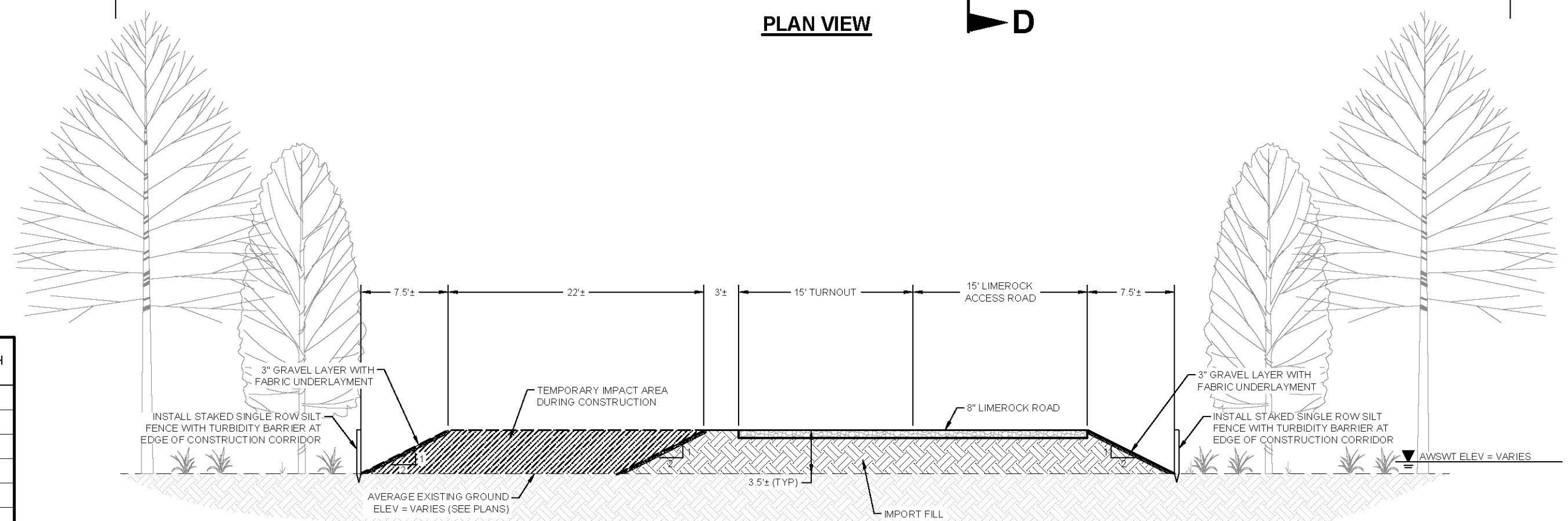




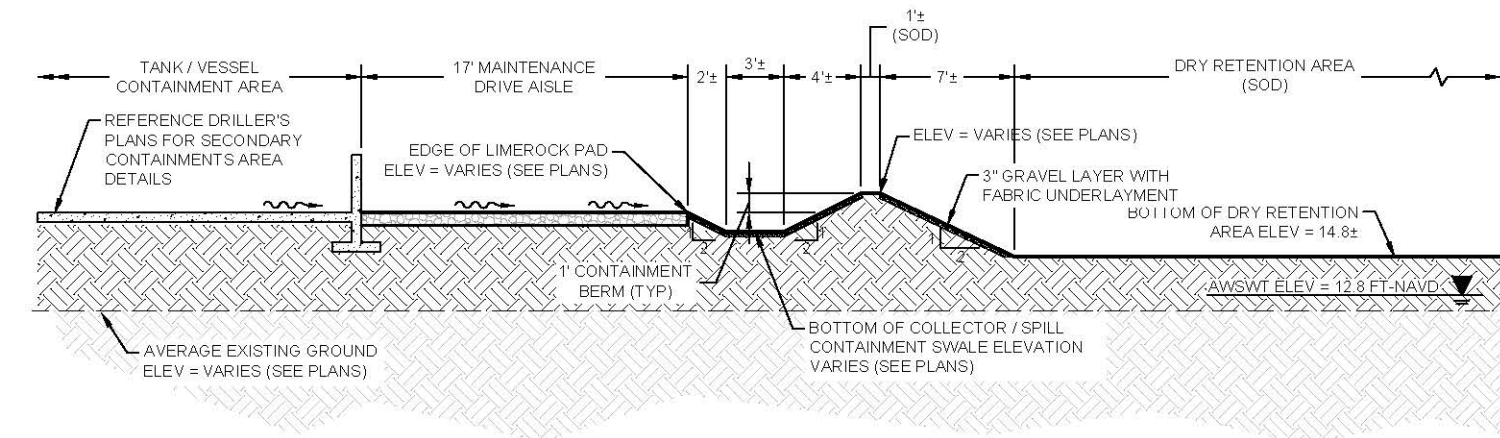
**B** SECTION



### PLAN VIEW



### SECTION VIEW



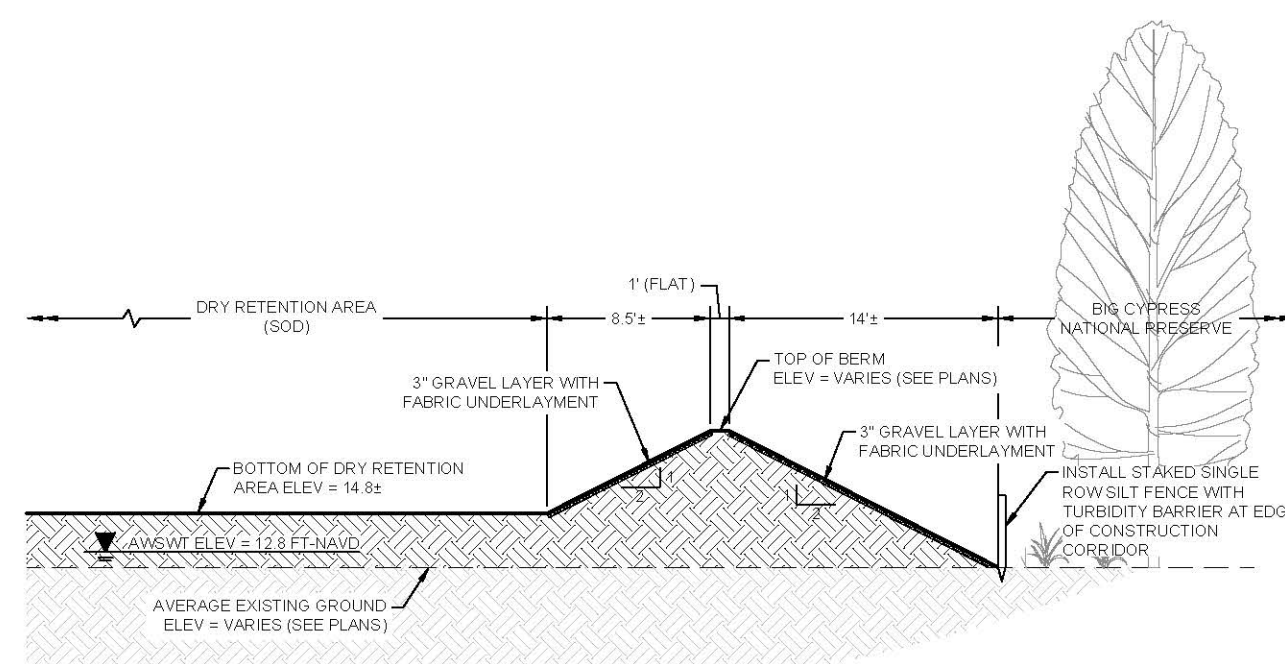
### TYPICAL TRUCK TURNOUT DETAIL

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

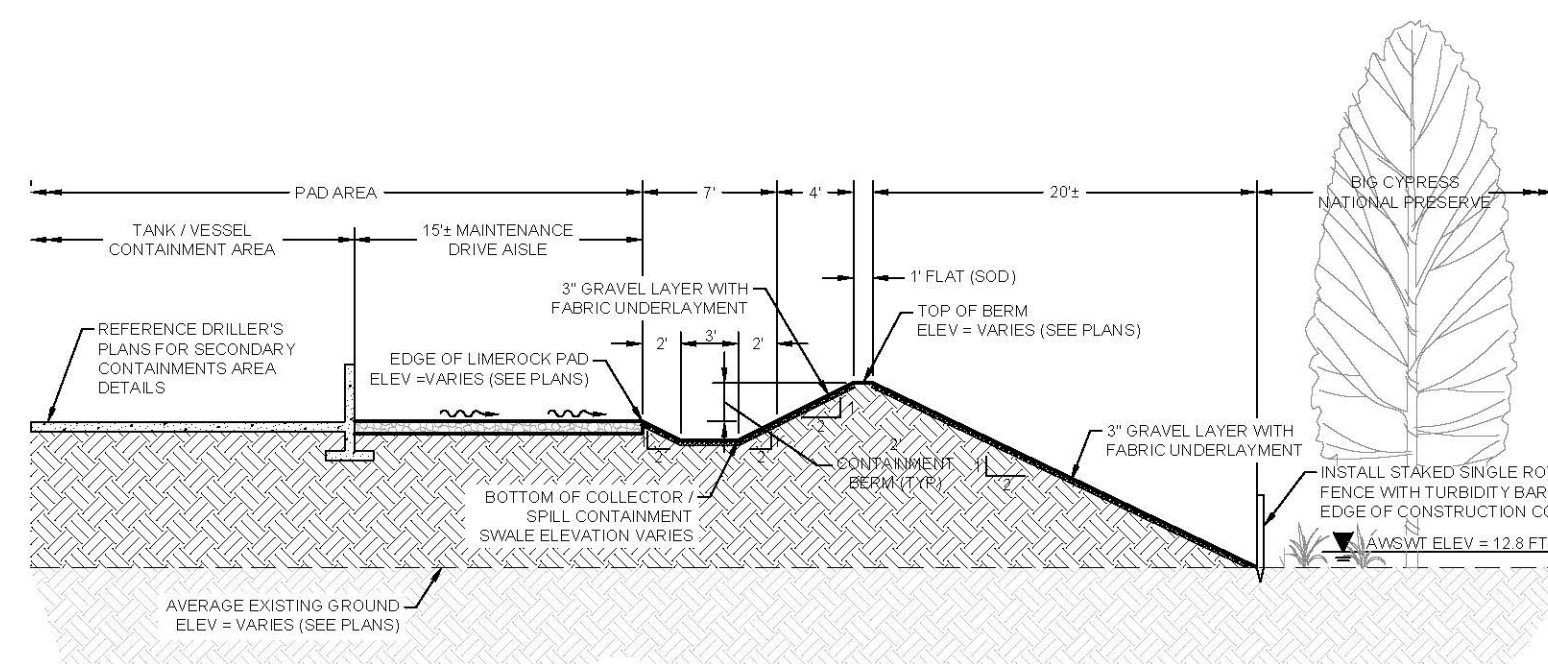
## HIGH WATER SPILLWAY DIMENSION DETAILS

LOCATION (ROAD STA)	SPILLWAY ELEVATION (FT-NAVD)	SPILLWAY BOTTOM WIDTH (FT)
6+28	14.25	30
12+62	13.00	30
22+62	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+62	13.50	40
113+66	13.00	30
120+12	13.25	40
127+67	12.60	30
135+66	13.00	30
147+62	12.85	30
152+61	13.10	40
160+62	13.15	40
167+54	13.00	40
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182+65	12.50	30
187+64	13.00	40
192+59	12.50	30
197+22	12.50	30

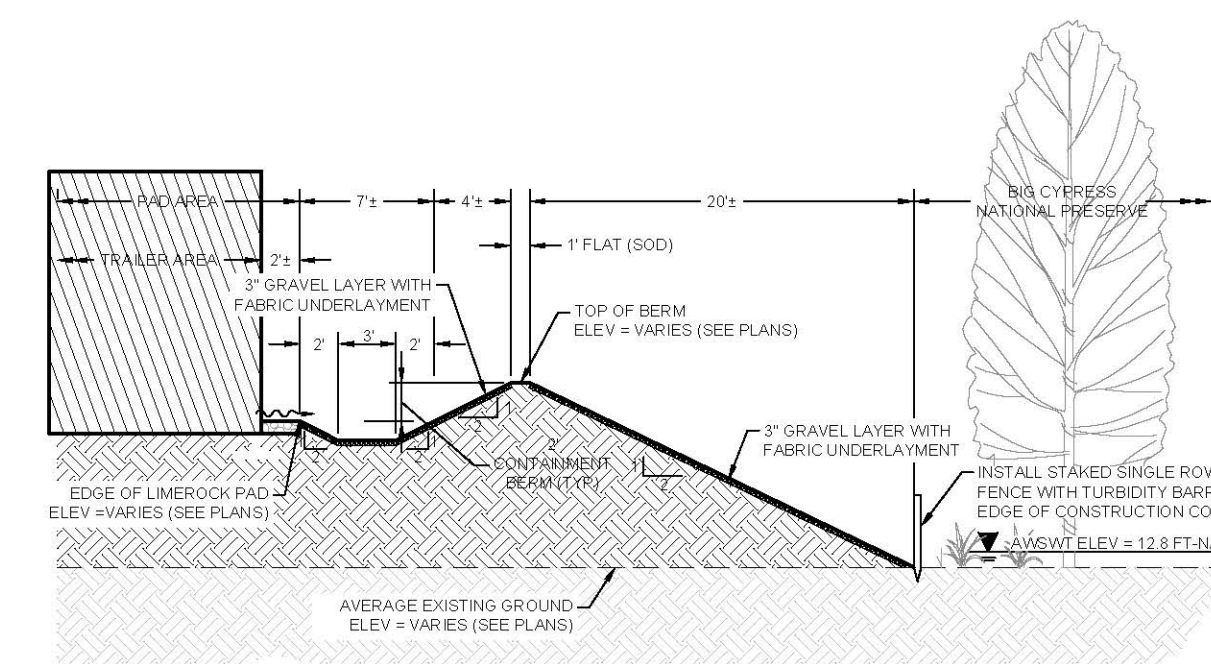




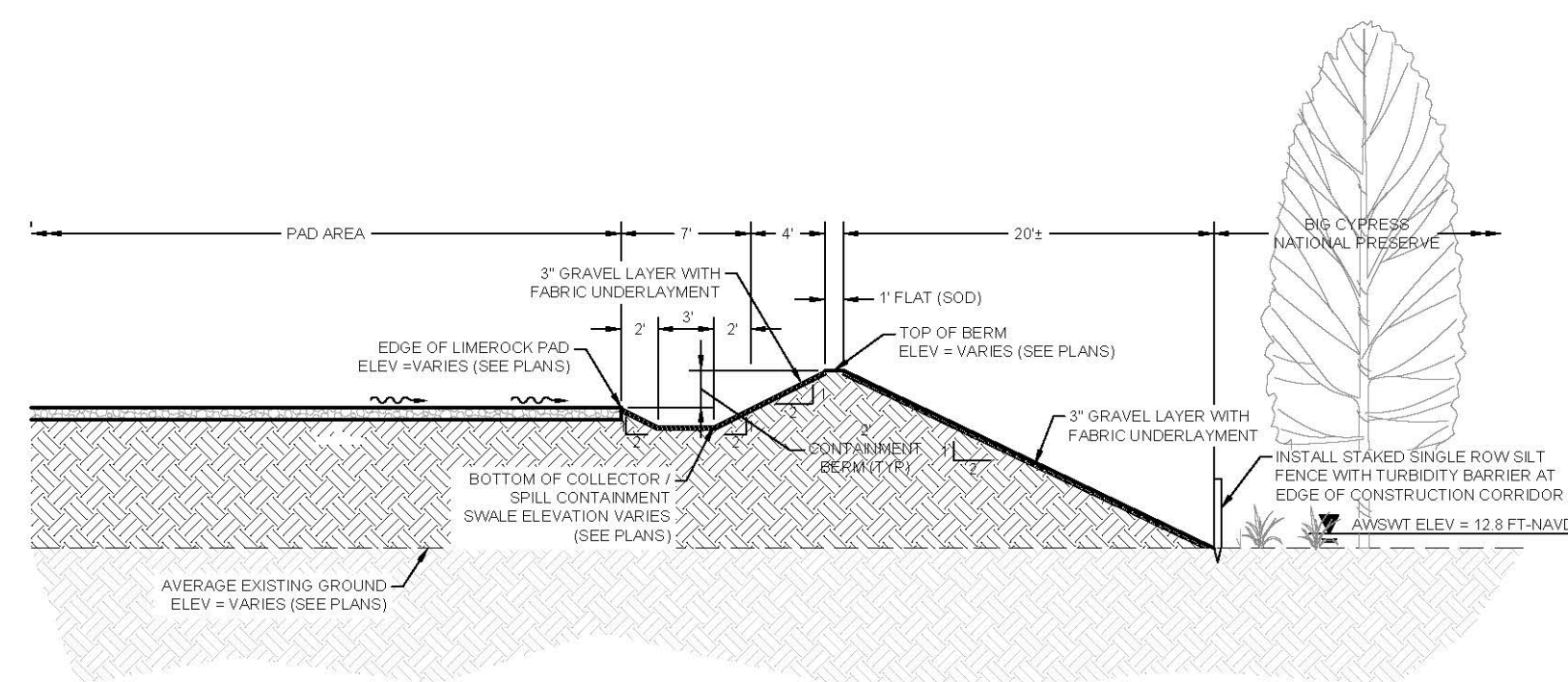
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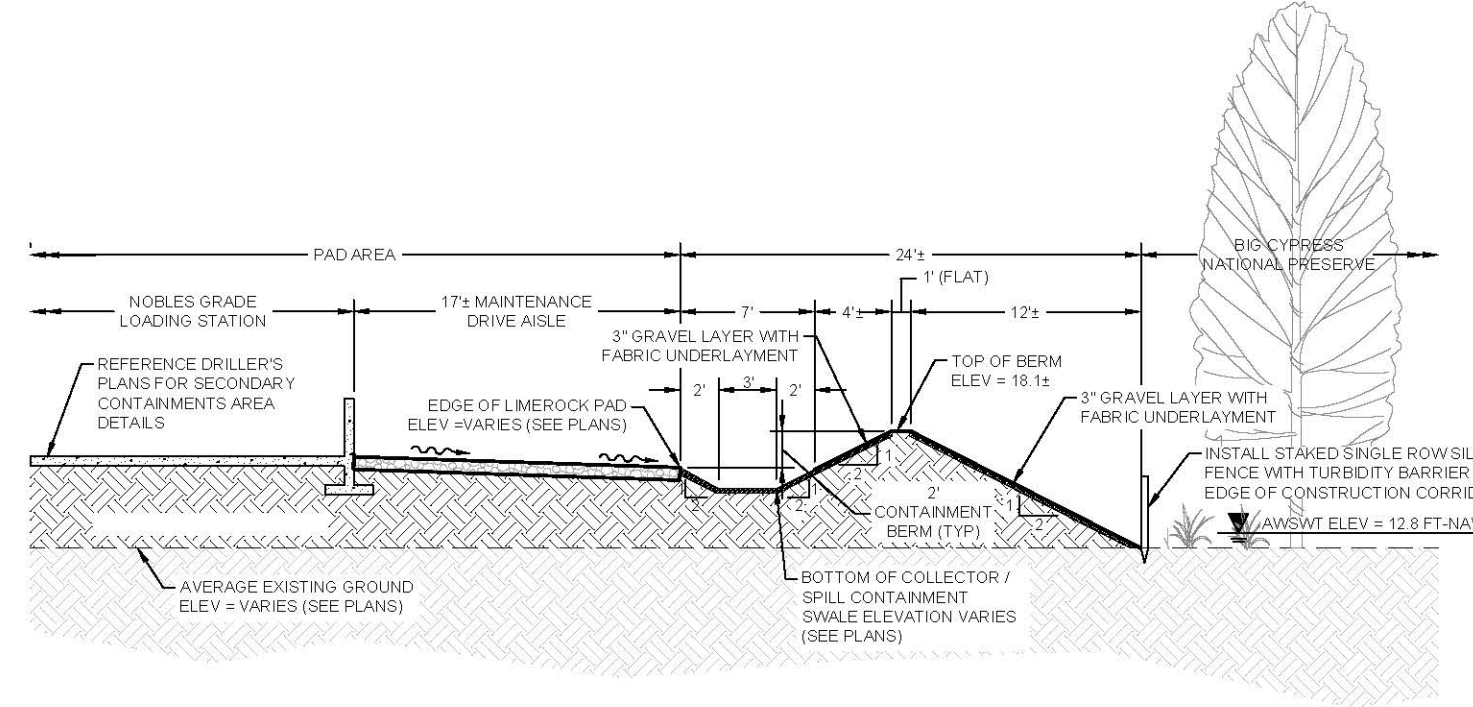
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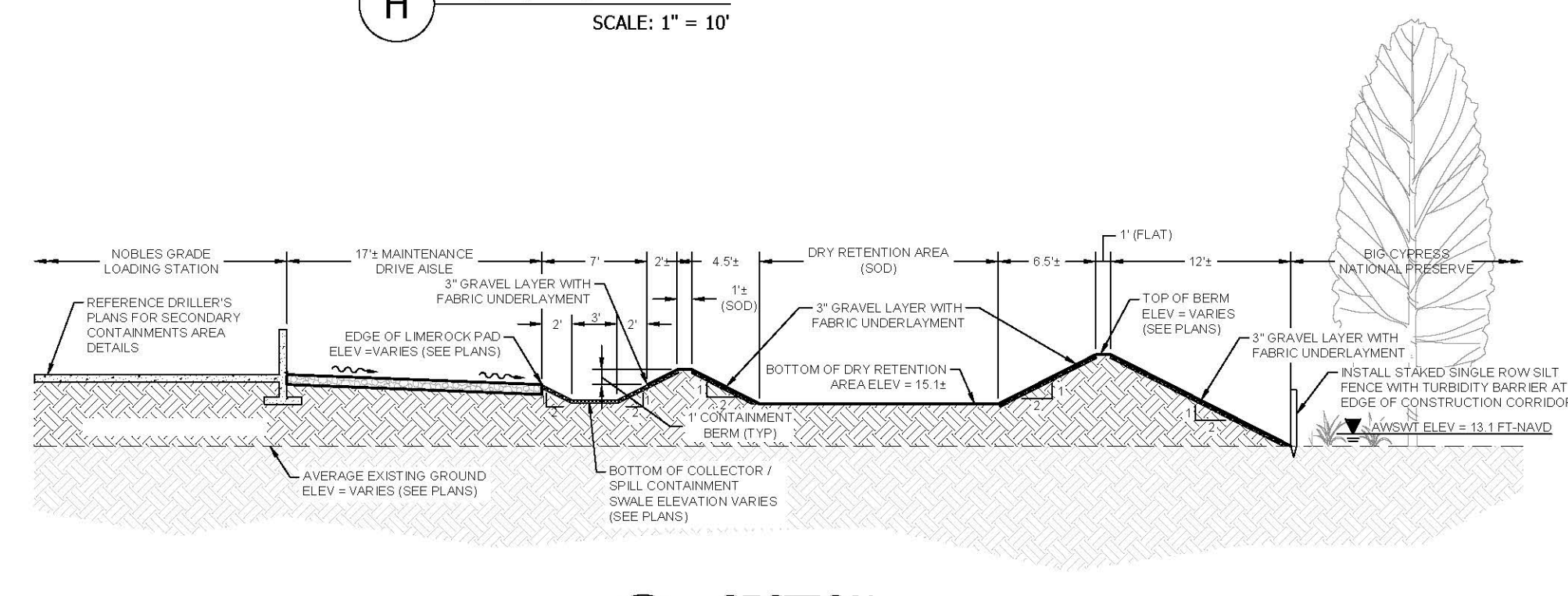
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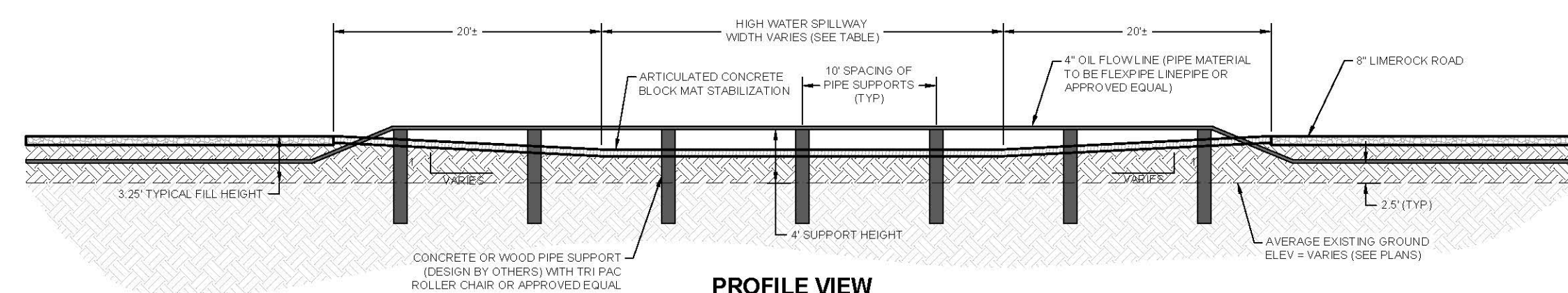
**I** SECTION  
SCALE: 1" = 10'



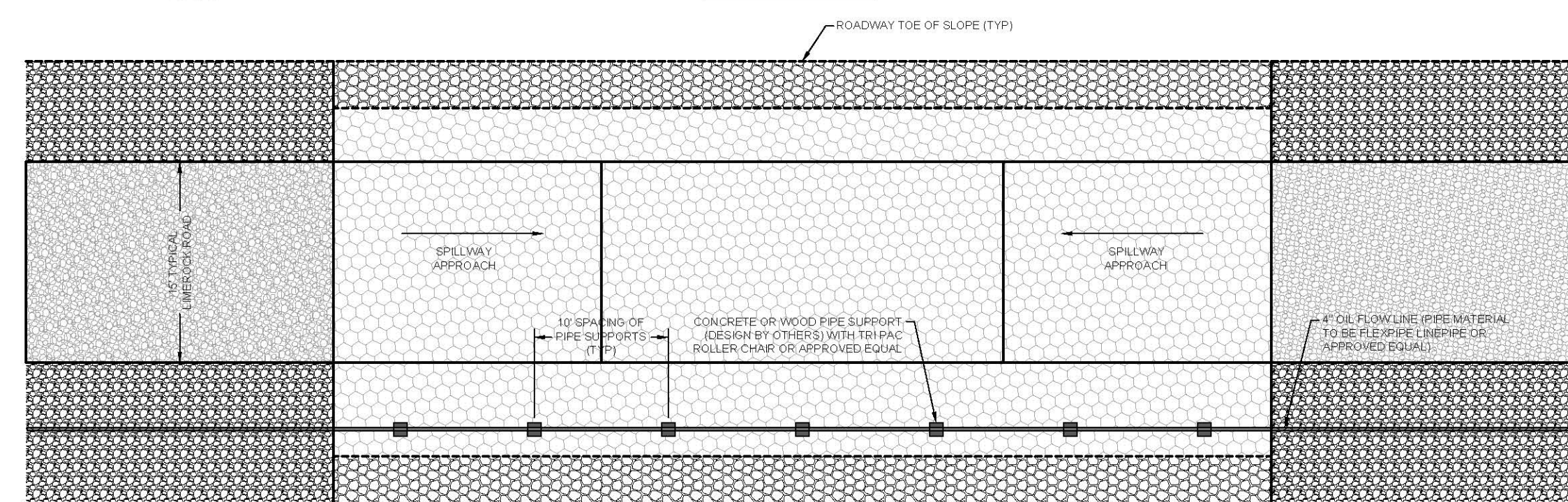
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SCALE: 1" = 10'



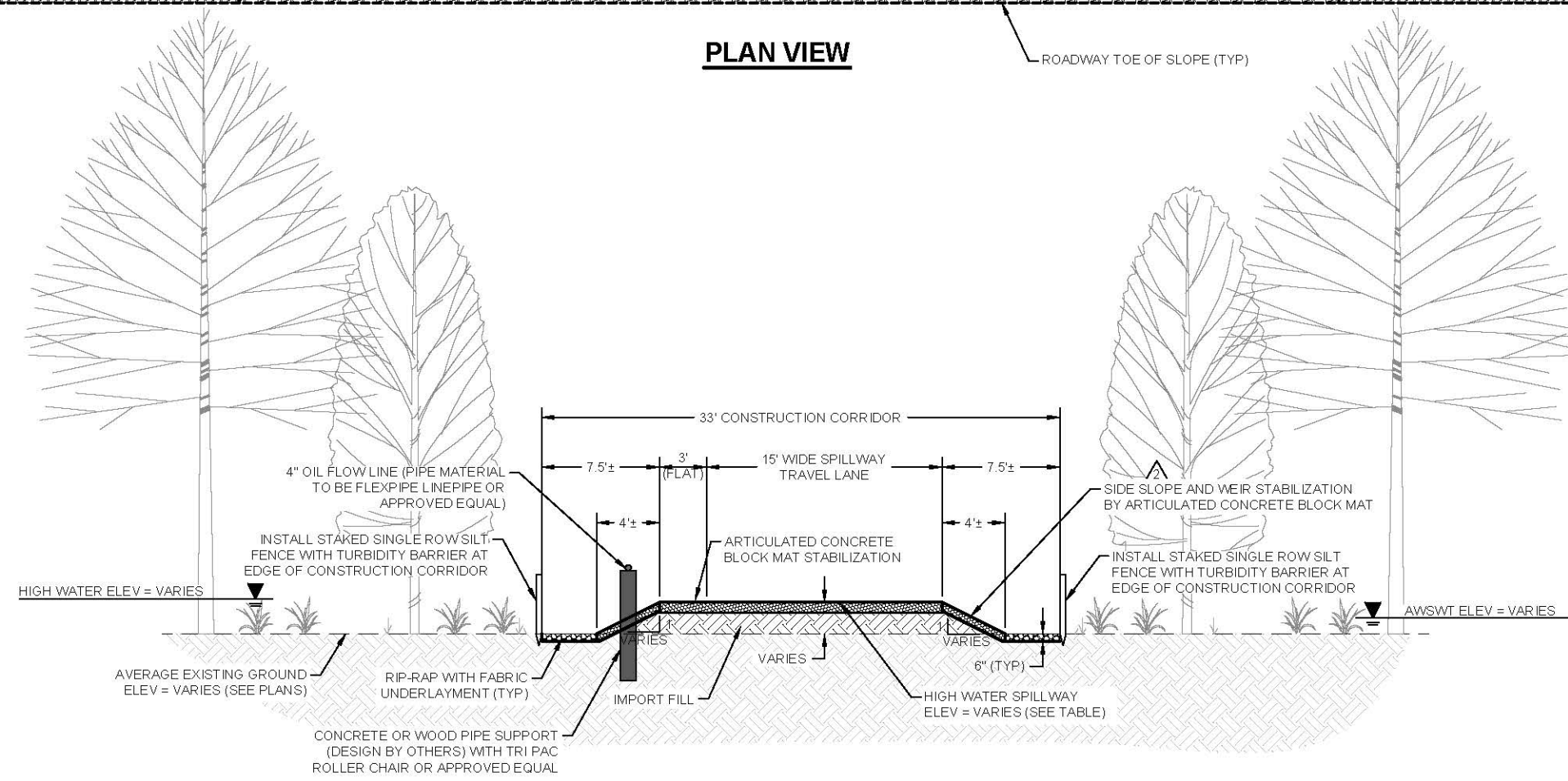
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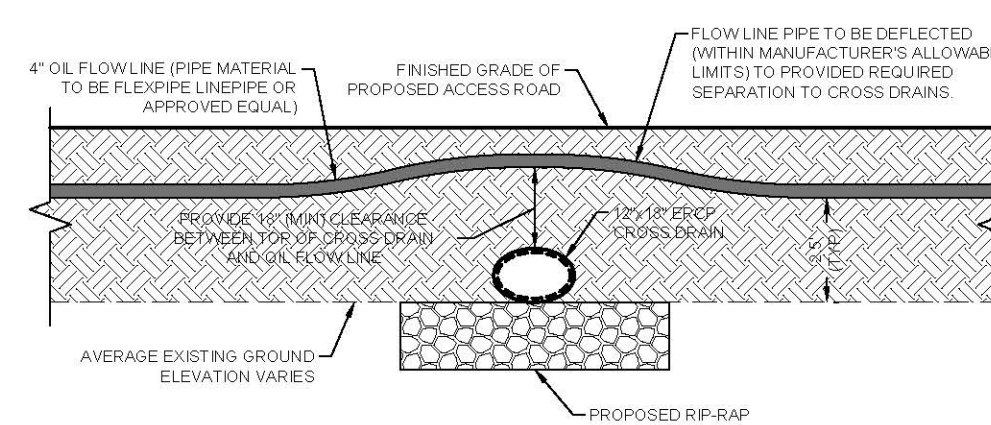
### PROFILE VIEW



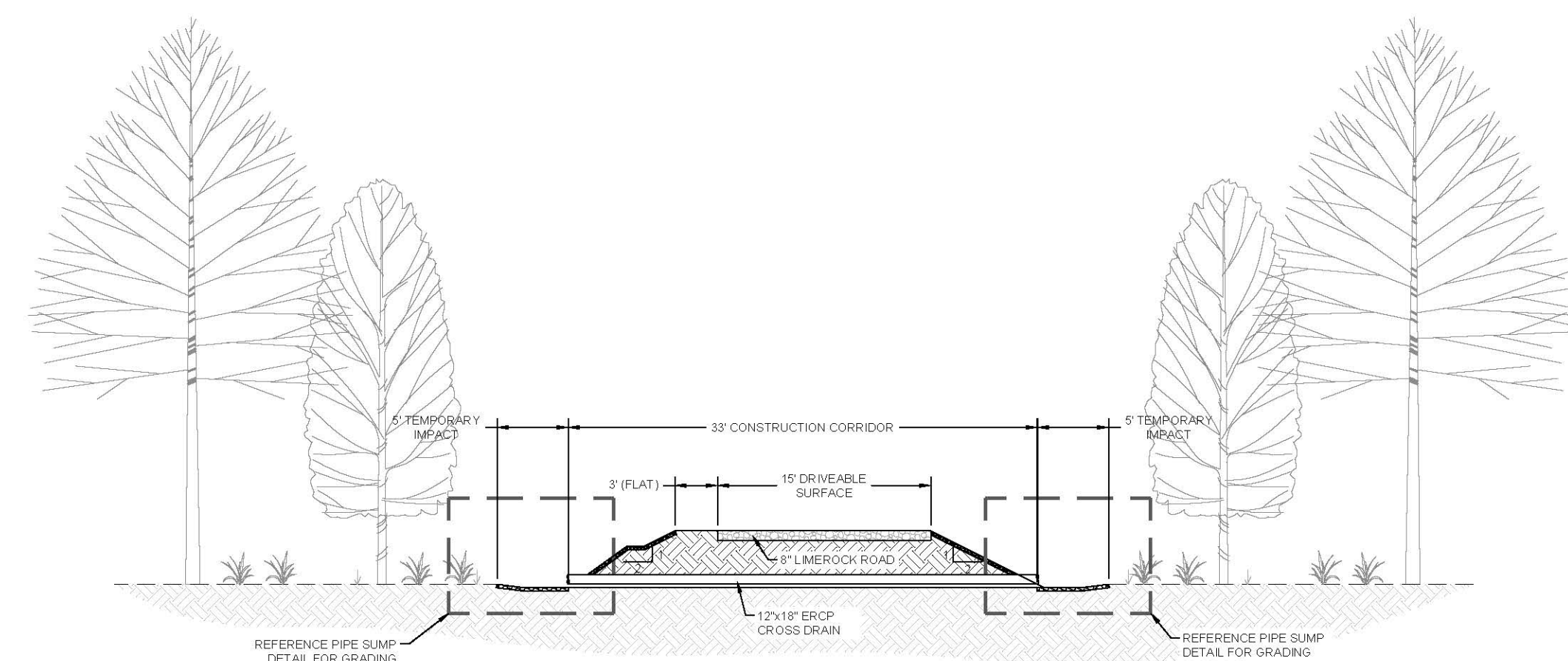
### PLAN VIEW



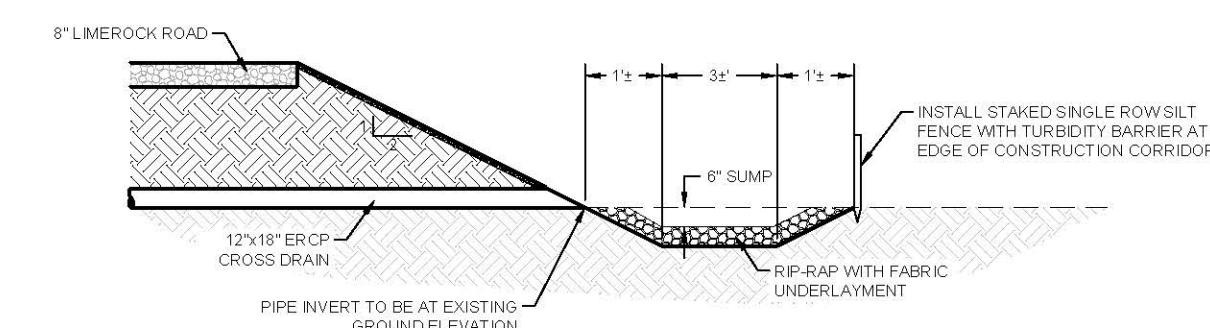
**AERIAL FLOW LINE CROSSING OF**   
**HIGH WATER SPILLWAY DETAIL**  
N.T.S.



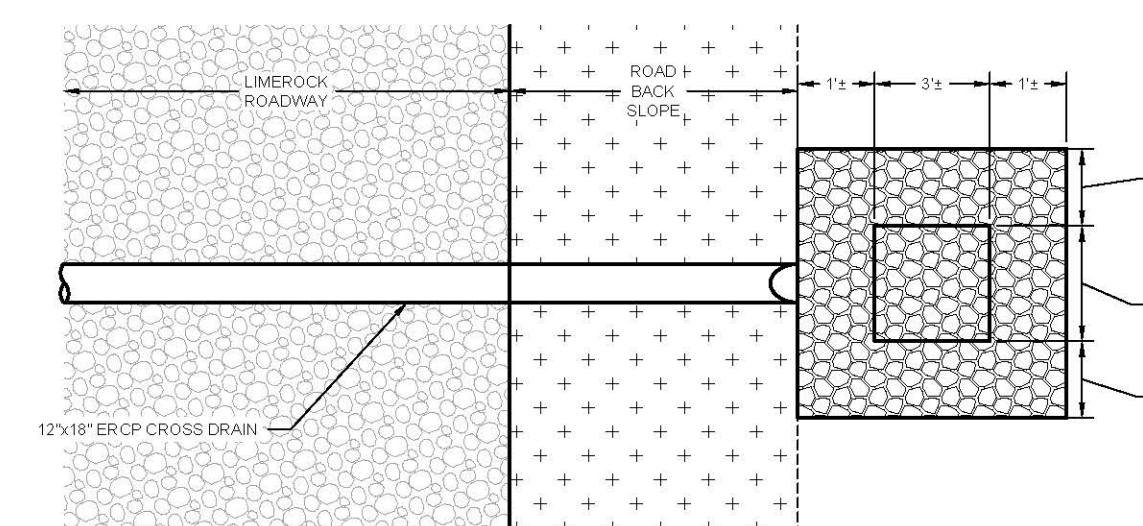
### OIL FLOW LINE CROSSING OF CROSS DRAIN DETAIL



TYPICAL CROSS DRAIN DETAIL



SECTION VIEW



PLAN VIEW



NOBLES  
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ACCESS ROAD  
AND PAD NPS  
PLANS

**TITLE:**

## CROSS SECTIONS AND DETAILS (B)

OWNER/CLIENT/CONSULTANT:

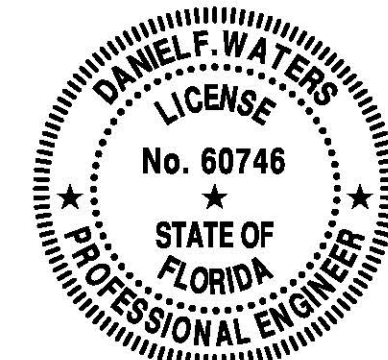
BURNETT OIL CO., INC.

[illegible]

NOTES:

PROFESSIONAL SEALS

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



DATUM NOTE:  
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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	

C-502



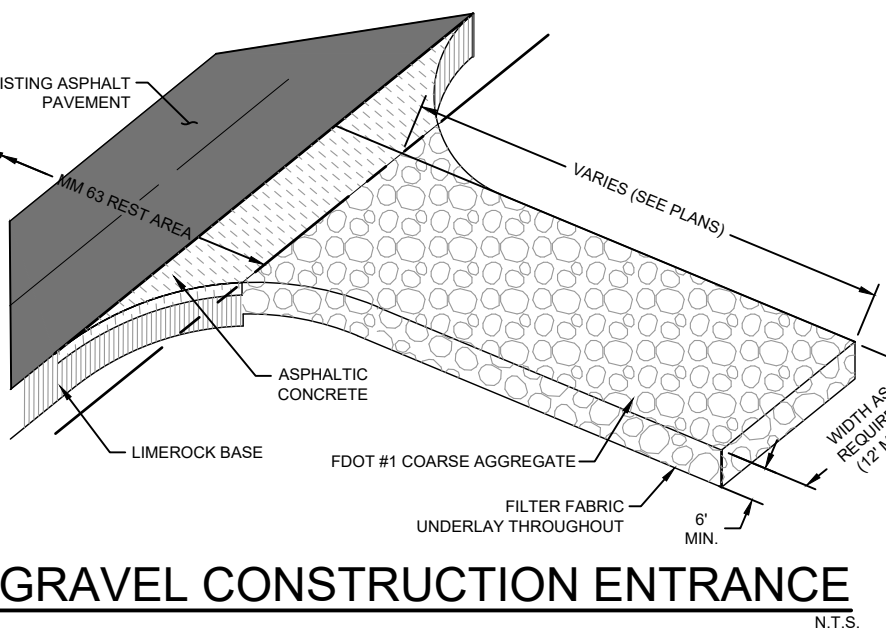






GENERAL SHEET NOTES

- PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY APPROPRIATE EROSION CONTROL DEVICES SHALL BE INSTALLED TO CONTROL AND REDUCE SOIL EROSION AND SEDIMENT TRANSPORT TO OFF-SITE AREAS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNTIL THE SURROUNDING AREAS ARE ESTABLISHED.
- THE FOLLOWING MINIMUM REQUIREMENTS ARE RECOMMENDED:  
(REFERENCE FLORIDA DEVELOPMENT MANUAL, CHAPTER 6-301 TO 6-500)  
A) BMP 1.01 TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  
B) BMP 1.05 STRAW BALE BARRIER  
C) BMP 1.06 SILT FENCE  
D) BMP 1.08 STORM INLET DRAIN PROTECTION
- THESE BEST MANAGEMENT PRACTICES (BMP) ARE TYPICAL OF REQUIREMENTS FOR SOIL EROSION CONTROL PER DIVISION 3.07 OF THE COLLIER COUNTY LAND DEVELOPMENT CODE. THEY MAY NOT CONSTITUTE COMPLETE REQUIREMENTS FOR COMPLIANCE WITH REGULATORY AGENCIES AND SPECIFIC PERMIT CONDITIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FROM THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY. ACCORDINGLY, 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 AND ALL OTHER APPLICABLE PERMITS.
- THIS PLAN IS A CONCEPT, PREPARED TO DEMONSTRATE ONE APPROACH TO PROVIDING EROSION CONTROL FOR THE PROJECT, AS REQUIRED BY REVIEW AGENCY FOR PERMITTING PURPOSES. THE SITE GENERAL CONTRACTOR MAY PROVIDE AN ALTERNATIVE PLAN AT THE TIME OF NPDES PERMITTING, AND PRIOR TO CONSTRUCTION IF AN ALTERNATIVE PLAN IS PROPOSED, IT SHALL BE REVIEW WITH ALL RELEVANT PERMITTING AGENCIES AND THE PERMIT WILL BE MODIFIED IF NECESSARY.



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Florida Engineering Certificate of Authorization #28275  
Florida Landscape Certificate of Authorization #LC26000632

PROJECT:

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

TITLE:

**NPDES DISCHARGE CONTROL PLAN AND DETAILS**

OWNER/CLIENT/CONSULTANT:

**BURNETT OIL CO., INC.**

REVISIONS:

No.	Revision	Date
2	REVISED PRODUCTION PAD EQUIPMENT LAYOUT PER OWNER AND PER SHEET COMMENTS DATED 08/25/21	11/22/21

NOTES:

**LEGEND**

STAKED TURBIDITY BARRIER WITH SILT FENCE

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)

Bar Scale: 1" = 600'

SEC: 1-3, 10 TWP: 32E 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-001-004-701EC  
Sheet Number: 20 of 20