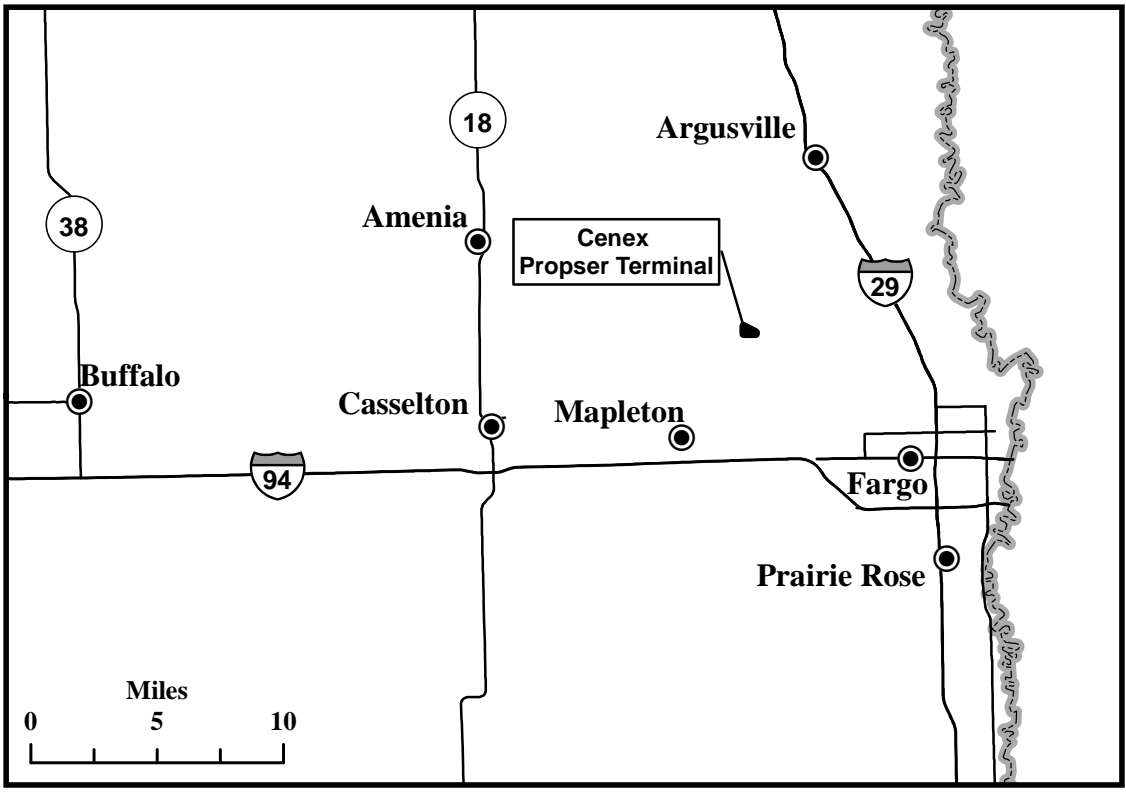
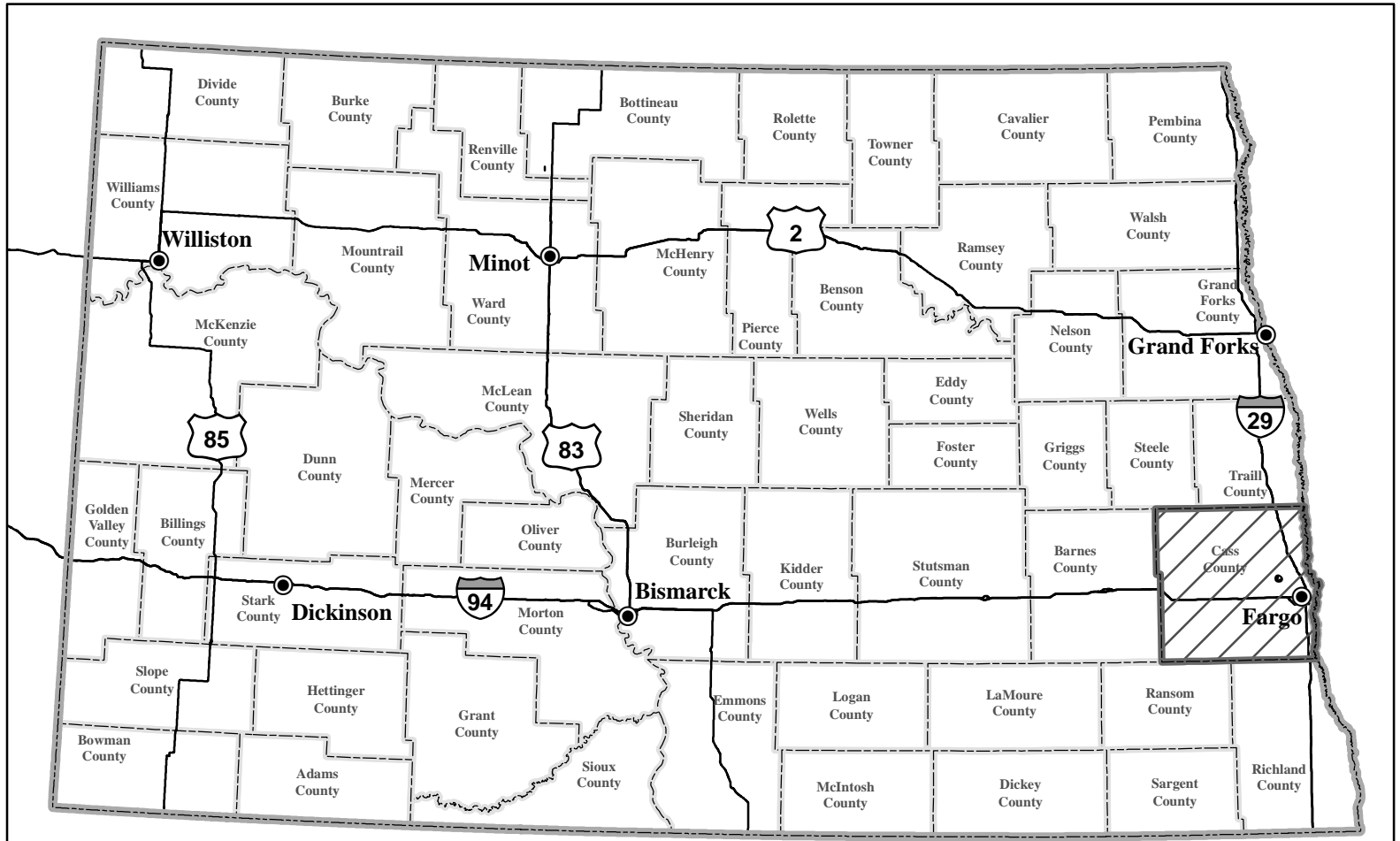
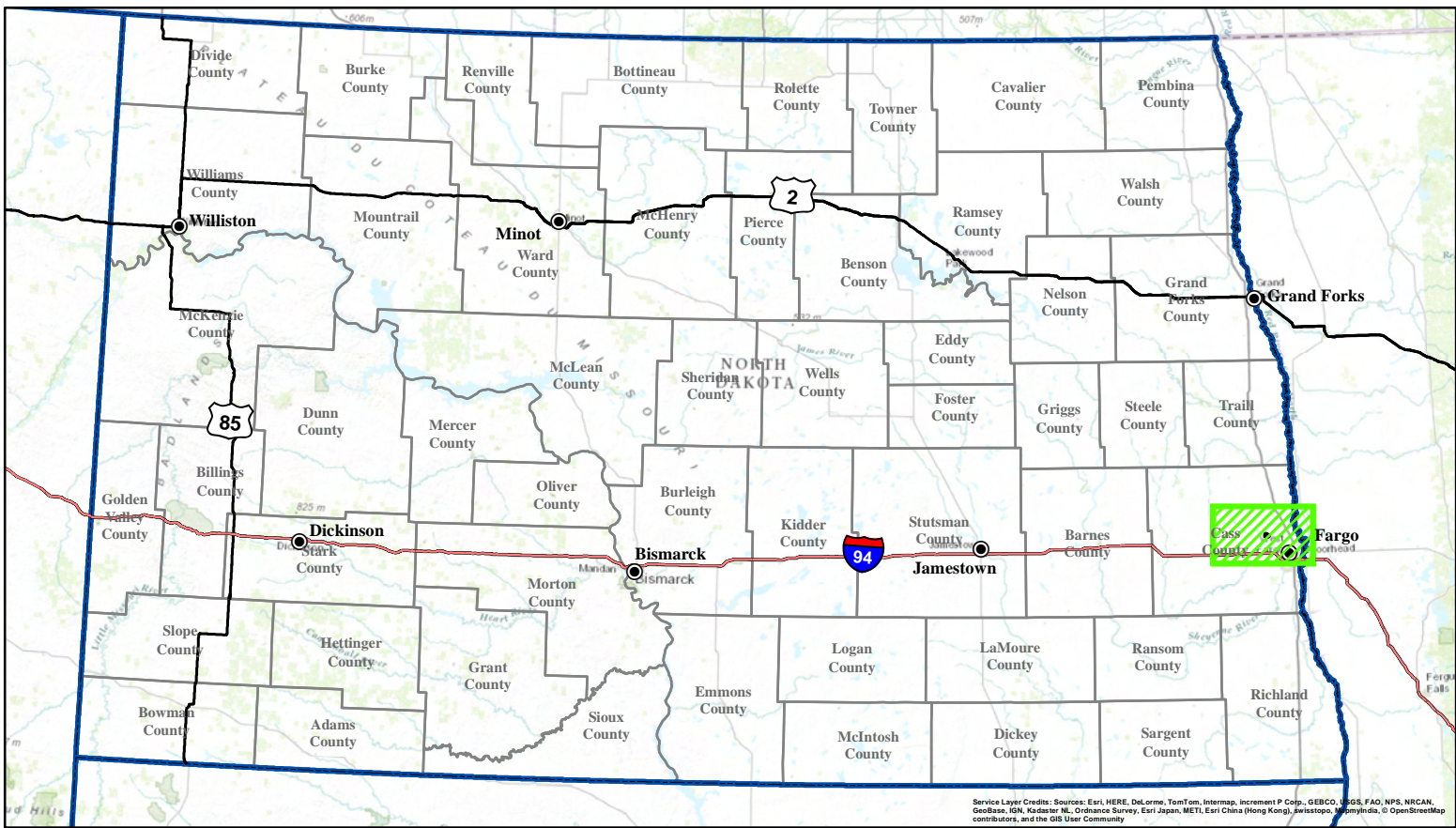








**APPENDIX A**  
**Project Overview Maps and Engineering Drawings**





Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Mapbox India, © OpenStreetMap contributors, and the GIS User Community

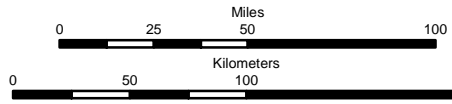
### Cenex Prosper Terminal

-  City
-  Interstate Highway
-  U.S. Highway
-  Cenex Terminal
-  County Boundary
-  State Boundary



116 North 4th Street  
Suite 200  
Bismarck, ND 58501

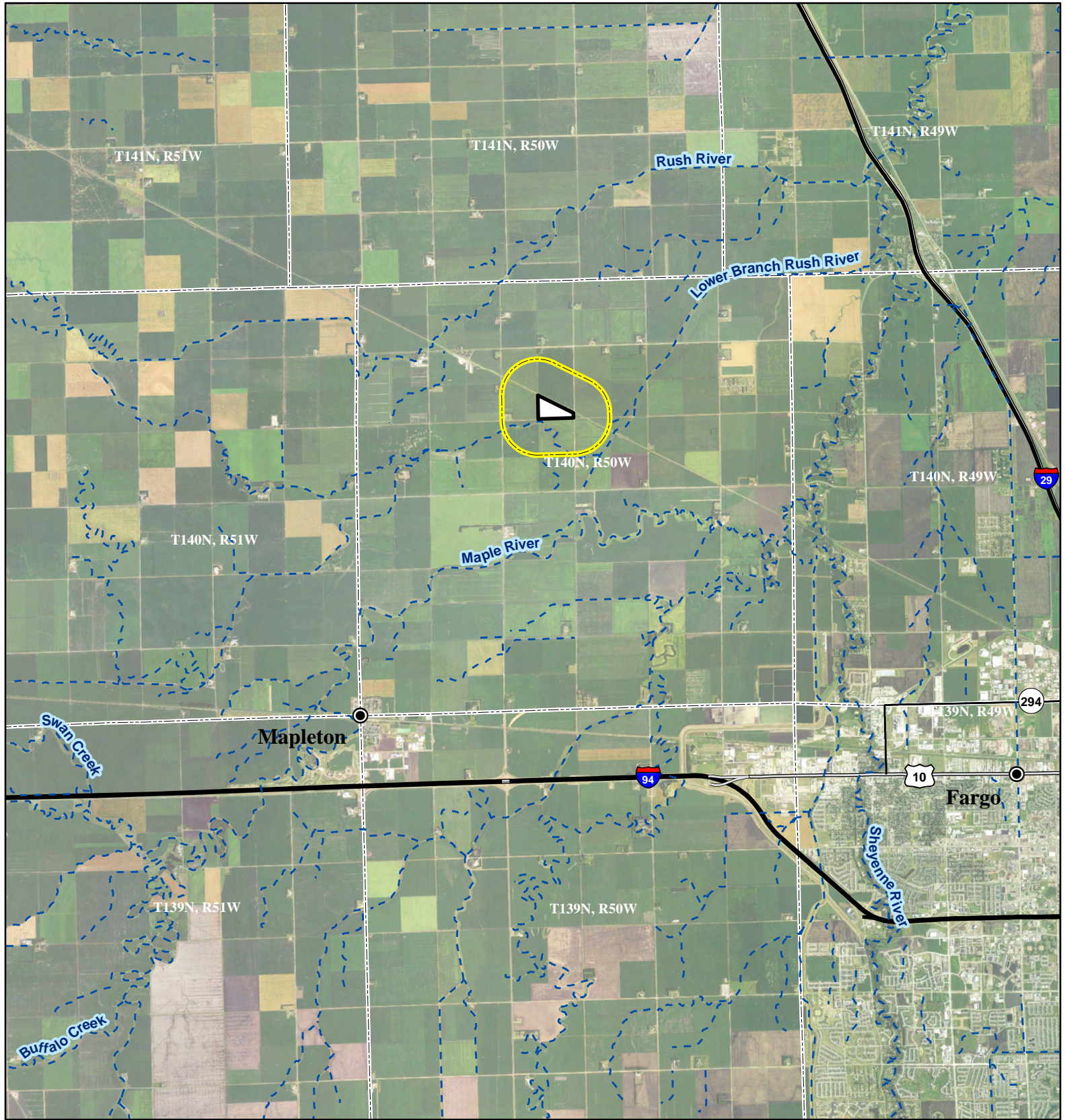
Phone: 701.258.6622  
Fax: 701.258.5957  
www.swca.com



Base Map: Topographic Map  
Source: ESRI ArcGIS online service  
T. 140N, R. 50W  
Cass County, North Dakota



Projection: NAD 1983 UTM Zone 14N



**Cenex Prosper Terminal Location Map**

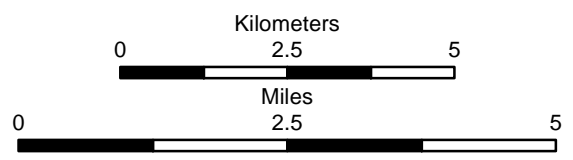
- City
- Flowline
- Interstate Highway
- U.S. Highway
- State Highway
- ▭ 0.5-mile-wide Study Area
- ▭ Cenex Prosper Terminal
- ▭ Township/Range Boundary



116 North 4th Street  
Suite 200  
Bismarck, ND 58501

Phone: 701.258.6622  
Fax: 701.258.5957

[www.swca.com](http://www.swca.com)



Base Map: 2014 Aerial Imagery  
Source: USDA/FSA -  
Aerial Photography Field Office  
Quadrangle: West Fargo North (1976)  
Township/Range: T. 140N, R. 50W  
Cass County, North Dakota

Projection: NAD 1983 UTM Zone 14N



# NUSTAR AND CENEX SYSTEM INTERCONNECT



PROPOSED CENEX PROSPER TERMINAL/  
NUSTAR PUMP STATION

CENEX 8" LAUREL PIPELINE

PROPOSED LAUREL  
INTERCONNECT PIPELINE

PROPOSED NUSTAR  
MAPLETON JUNCTION

NUSTAR 10" NORTH SYSTEM PIPELINE

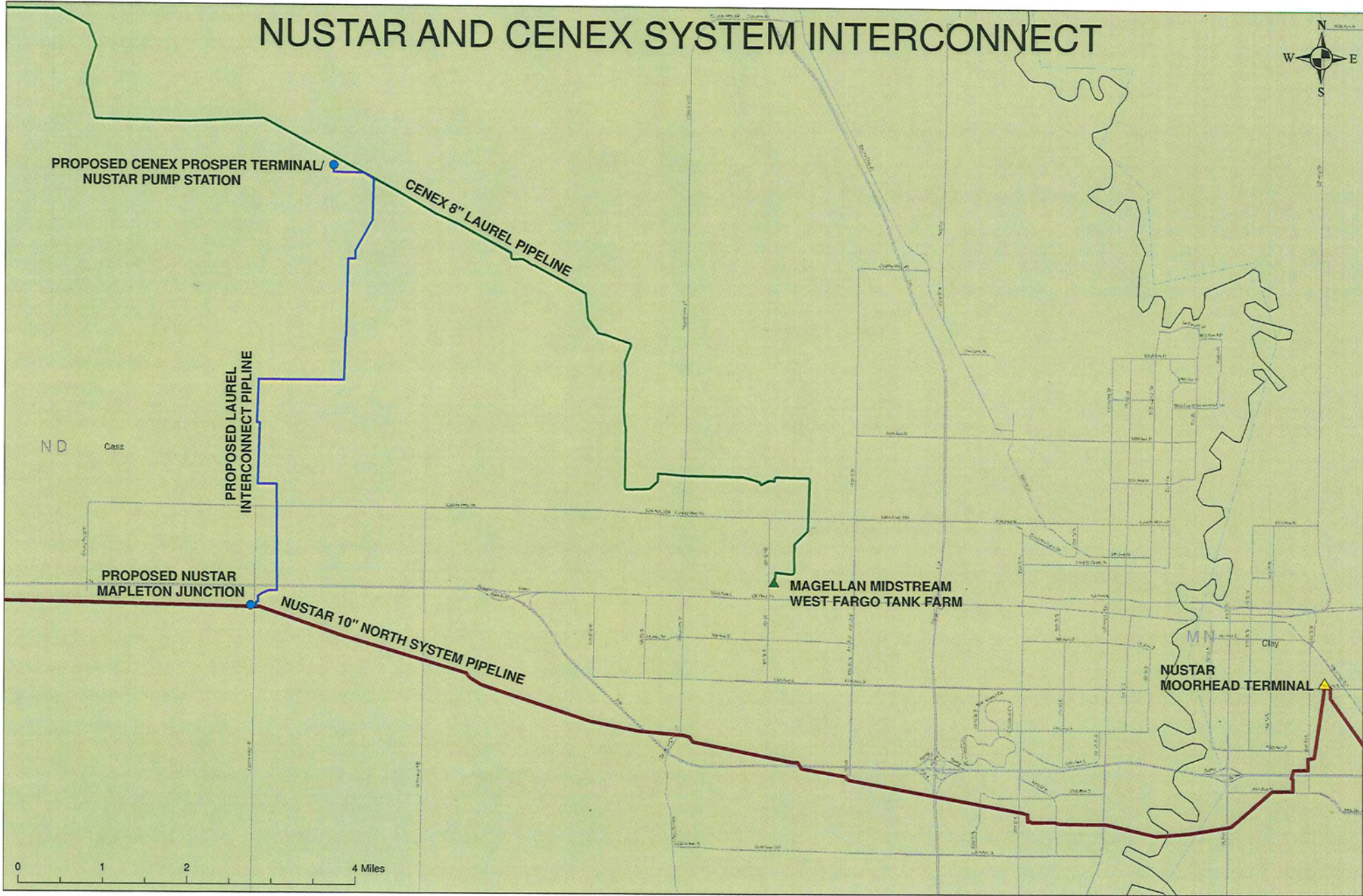
MAGELLAN MIDSTREAM  
WEST FARGO TANK FARM

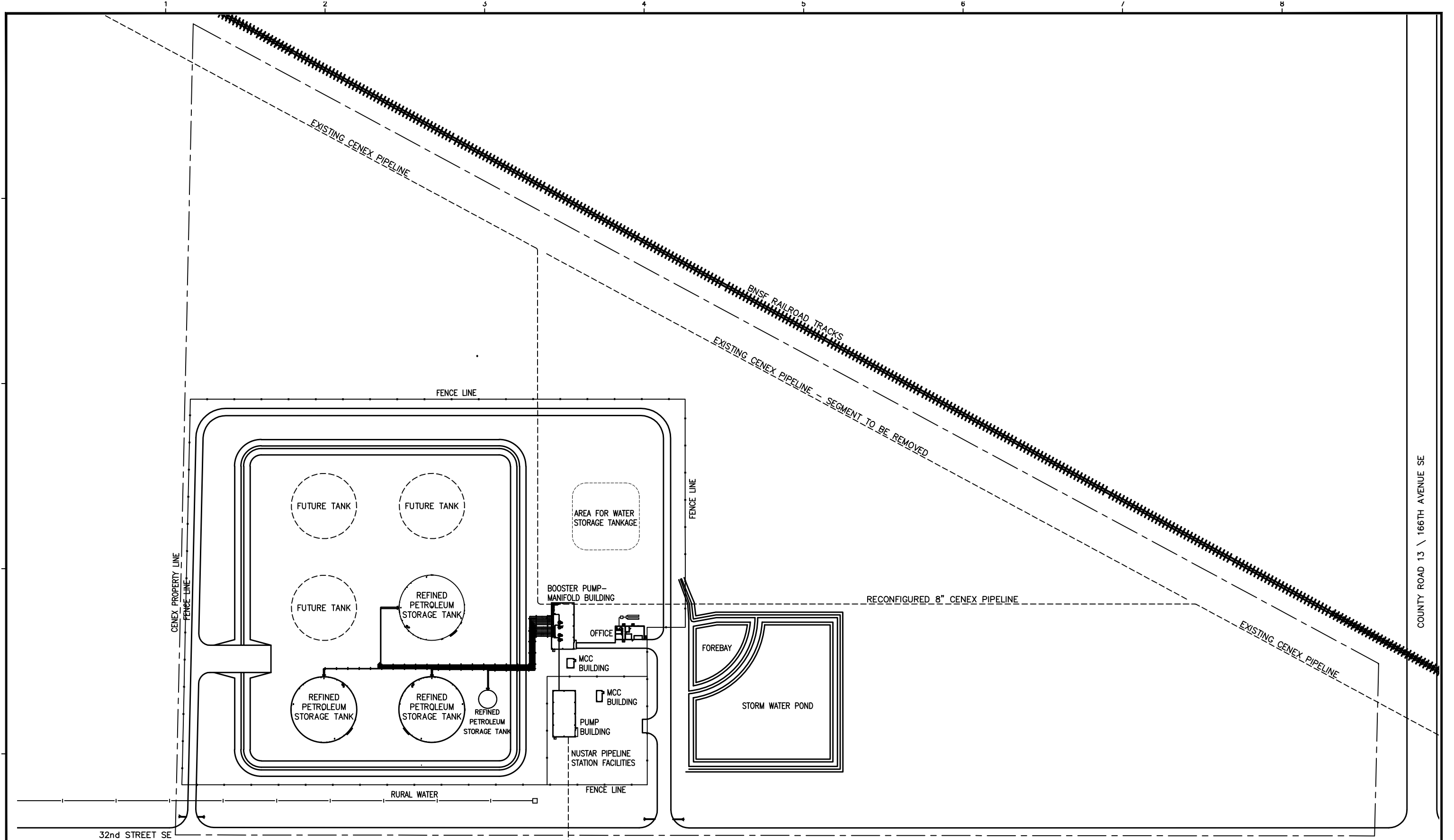
NUSTAR  
MOORHEAD TERMINAL

ND  
Cass

MN  
Clay

0 1 2 4 Miles






32nd STREET SE

COUNTY ROAD 13 \ 166TH AVENUE SE

1 PRELIMINARY SITE LAYOUT

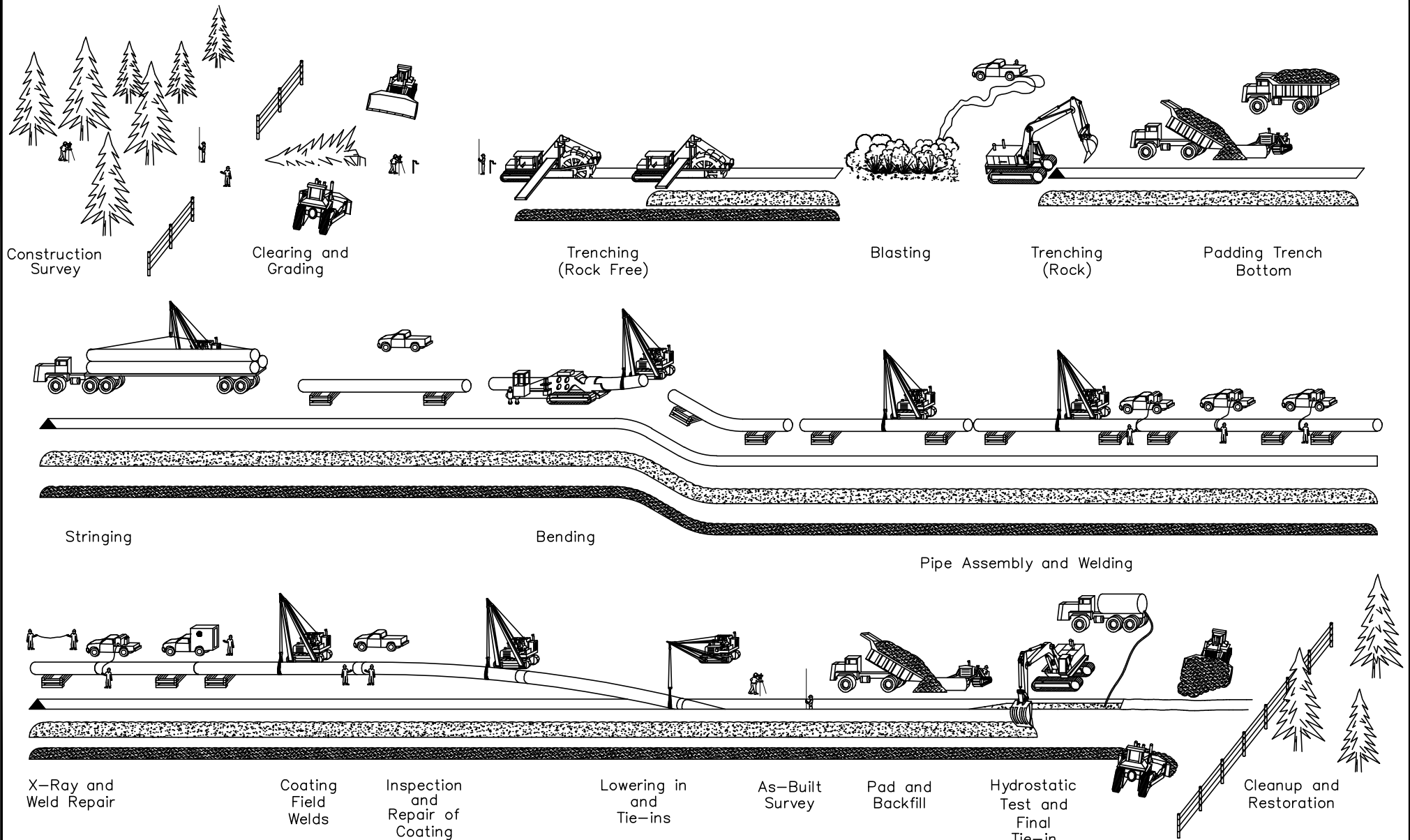


| REVISION | DATE     | DRN   | OKD | APD | DESCRIPTION                    |
|----------|----------|-------|-----|-----|--------------------------------|
| C        | 12-15-15 | M Gee |     |     | REVISED FOR PSC APPLICATION    |
| B        | 11-16-15 | M Gee |     |     | REVISED FOR ZONING APPLICATION |
| A        | 11-04-15 | SEH   |     |     | FOR OWNER REVIEW               |

|   |                              |
|---|------------------------------|
| DESIGNED BY<br>SEH  | CHS PROJECT MANAGER<br>MG    |
| LEGACY DRAWING NUMBER   | CHS PROJECT NUMBER<br>EB1648 |
| ORIGINAL DATE OF ISSUE<br>11-04-2015  | PLOT SCALE<br>1"=200'        |
|  CENEX PIPELINE, LLC |                              |

PROSPER TERMINAL  
SITE PLAN

| FACILITY LOCATION CODE | DISCIPLINE CODE | DISCIPLINE SUB CODE | LOCATION NUMBER | DRAWING NUMBER | REV. |
|------------------------|-----------------|---------------------|-----------------|----------------|------|
| PRT                    | CV              | 01                  | 0000            | 004            | C    |



Construction Survey

Clearing and Grading

Trenching (Rock Free)

Blasting

Trenching (Rock)

Padding Trench Bottom

Stringing

Bending

Pipe Assembly and Welding

X-Ray and Weld Repair

Coating Field Welds

Inspection and Repair of Coating

Lowering in and Tie-ins

As-Built Survey

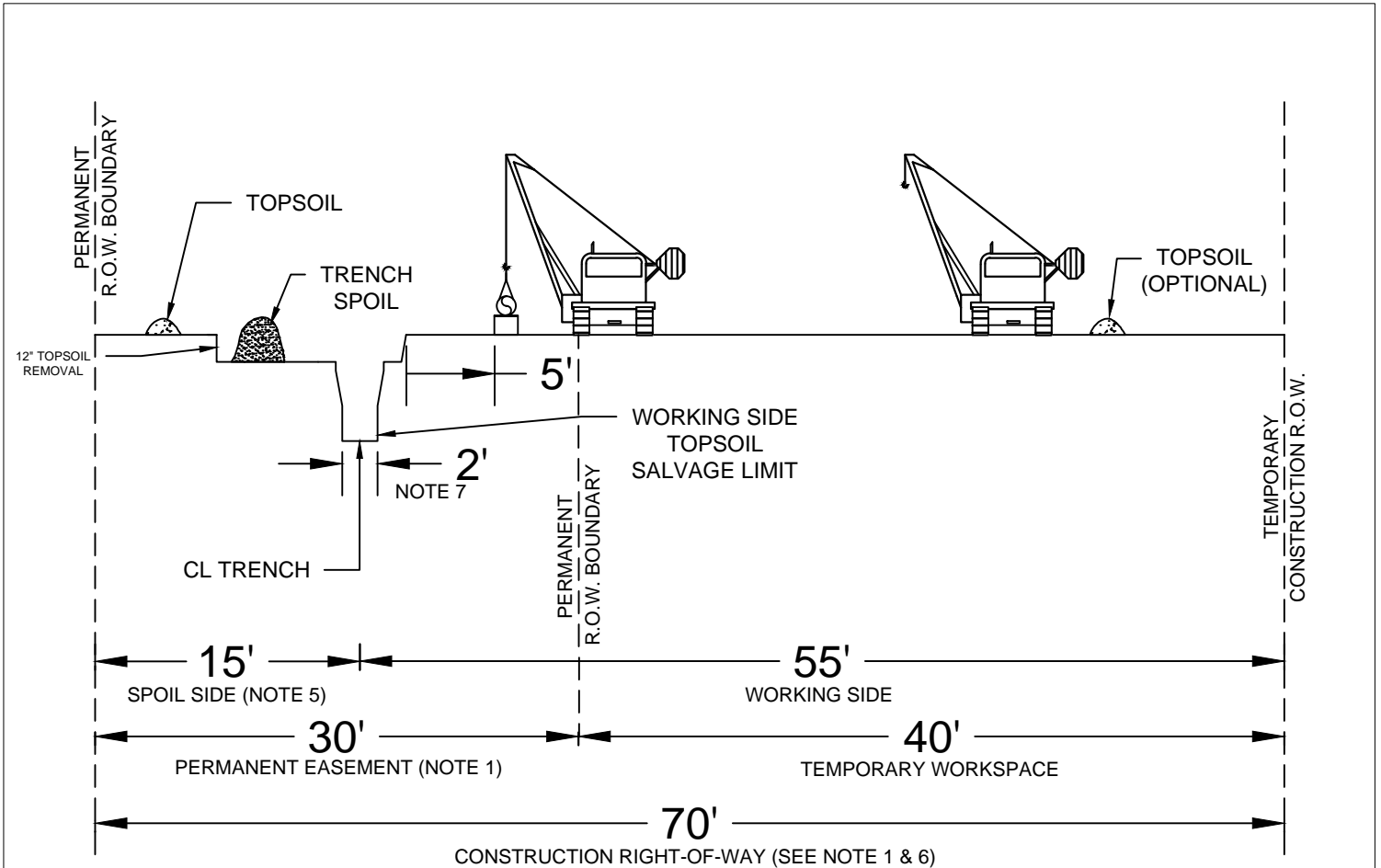
Pad and Backfill

Hydrostatic Test and Final Tie-in

Cleanup and Restoration

|  |  |  |  |  |  |                                       |            |          |             |                |           |      |
|--|--|--|--|--|--|---------------------------------------|------------|----------|-------------|----------------|-----------|------|
|  |  |  |  |  |  | <i>Cenex Pipeline LLC</i>             |            |          |             |                |           |      |
|  |  |  |  |  |  | <b>PIPELINE CONSTRUCTION SEQUENCE</b> |            |          |             |                |           |      |
|  |  |  |  |  |  | CASS COUNTY                           |            |          |             |                |           |      |
|  |  |  |  |  |  | NORTH DAKOTA                          |            |          |             |                |           |      |
|  |  |  |  |  |  | DATE                                  | PILOT DATE | DRAWN BY | CHK. NO.    | ISSUING NUMBER | SHEET NO. | REV. |
|  |  |  |  |  |  | REV LEVEL                             | DATE       | BY       | DESCRIPTION | CK.            | APP.      |      |
|  |  |  |  |  |  | <b>REVISIONS</b>                      |            |          |             |                |           |      |

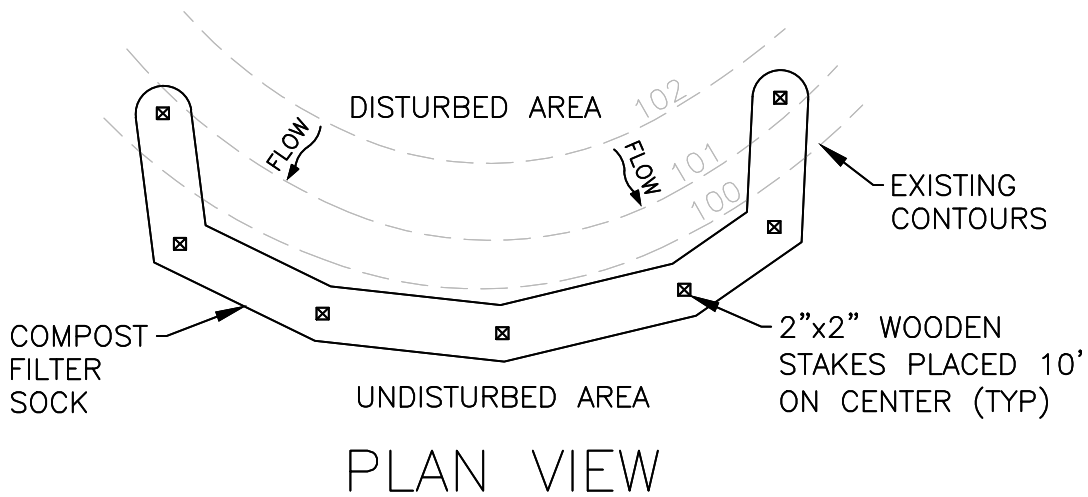
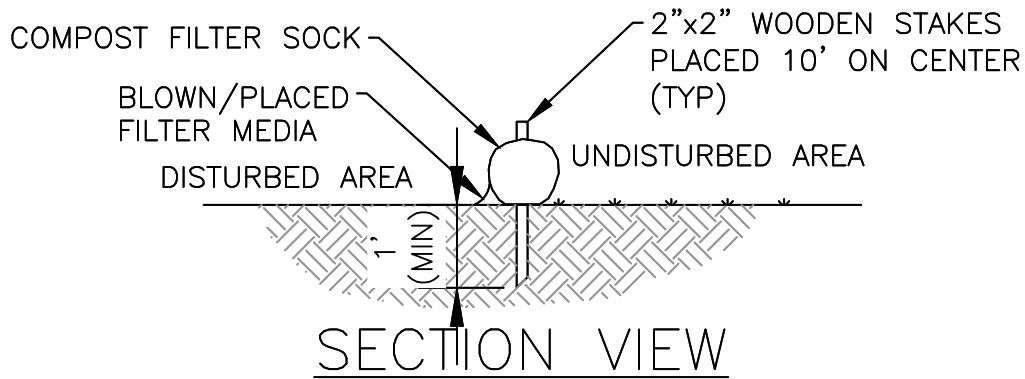
## CONSTRUCTION RIGHT-OF-WAY TYPICAL



PROFILE  
NOT TO SCALE

**NOTES:**

1. CONSTRUCTION RIGHT-OF-WAY WILL TYPICALLY BE 70' WIDE CONSISTING OF 30' OF PERMANENT EASEMENT AND 40' OF TEMPORARY WORKSPACE. EXTRA TEMPORARY WORKSPACE WILL BE NECESSARY AT MAJOR ROAD, RAIL, RIVER CROSSINGS AND OTHER SPECIAL CIRCUMSTANCES, AS REQUIRED. CERTAIN SITUATIONS MAY REQUIRE A NARROWER WIDTH.
2. THIS DRAWING REFLECTS "TRENCH AND SPOIL SIDE" TOPSOIL STRIPPING PROCEDURE. SALVAGE TOPSOIL OVER TRENCH AND UNDER THE SPOIL PILE AT LOCATION IDENTIFIED ON THE CONSTRUCTION ALIGNMENT SHEETS, OR AS DIRECTED BY THE COMPANY INSPECTOR. DEPTH OF TOPSOIL STRIPPING IS NOT TO EXCEED 12".
3. STOCKPILE TOPSOIL AS SHOW OR IN ANY CONFIGURATION APPROVED BY THE COMPANY INSPECTOR. KEEP TOPSOIL AND SPOIL PILES CLEAN OF ALL CONSTRUCTION DEBRIS. MAINTAIN A MINIMUM OF 12" OF SEPARATION BETWEEN TOPSOIL AND TRENCH SPOIL PILES. ENSURE THAT TOPSOIL AND TRENCH SPOIL DO NOT MIX.
4. LEAVE GAPS IN TOPSOIL AND SPOIL PILES AT OBVIOUS DRAINAGES. DO NOT PUSH UPLAND SOILS INTO CREEKS OR WETLANDS. DO NOT USE TOPSOIL FOR PADDING. AVOID SCALPING VEGETATED GROUND SURFACE WHEN BACKFILLING TOPSOIL AND SPOILS PILES.
5. THE OFFSET FROM EXISTING PIPELINE, WHERE APPLICABLE, WILL BE 25', BUT MAY BE INCREASED OR DECREASED DEPENDING ON THE SITE SPECIFIC CONSTRUCTION REQUIREMENTS.
6. TEMPORARILY SUSPEND TOPSOIL HANDLING OPERATION DURING EXCESSIVELY WINDY CONDITIONS UNTIL MITIGATIVE MEASURES TO MINIMIZE WIND EROSION CAN BE IMPLEMENTED.
7. BOTTOM OF TRENCH WIDTH WILL BE AN AVERAGE OF 2' (TYPICAL). HOWEVER, UNDER CERTAIN CIRCUMSTANCES, THE TRENCH MAY BE A MAXIMUM OF 10' WIDE.
8. TOPSOIL AND TRENCH SPOIL RELATIVE POSITIONS CAN, AS DIRECTED BY THE COMPANY INSPECTOR, BE REVERSED.



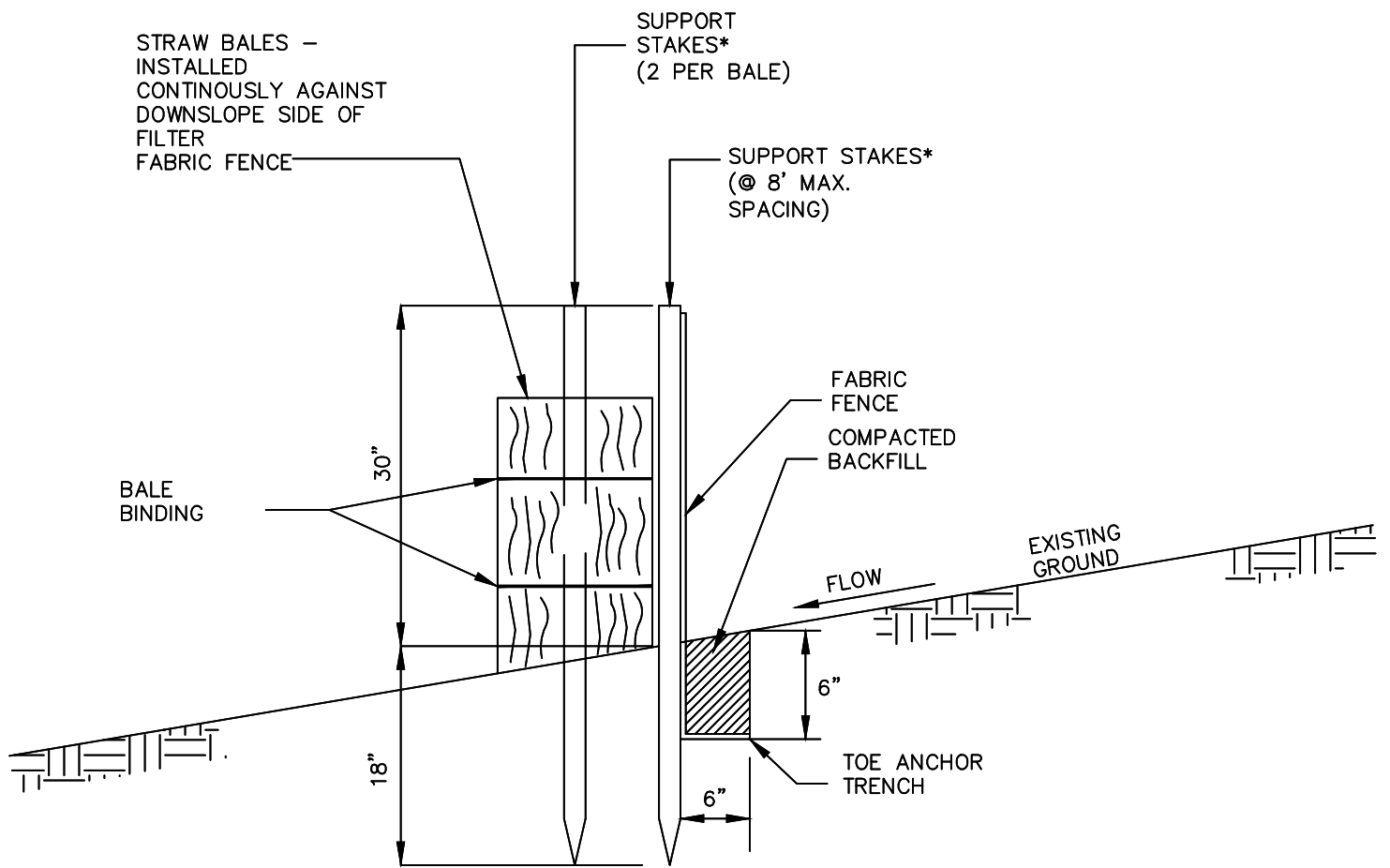
NOTES:

1. SOCK FABRIC AND COMPOST MATERIAL SHALL MEET ALL STATE STANDARDS.
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
6. BIO-DEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTO-DEGRADABLE SOCKS AFTER 1 YEARS. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS SOIL SUPPLEMENT.

COMPOST FILTER SOCK DETAIL

SCALE: NOT TO SCALE

|                  |           |          |             |                                   |
|------------------|-----------|----------|-------------|-----------------------------------|
|                  |           |          |             |                                   |
| 1 1 1            |           |          |             | <b>COMPOST FILTER SOCK DETAIL</b> |
| REV. LEVEL       | DATE      | BY       | DESCRIPTION | CK. APP.                          |
| <b>REVISIONS</b> |           |          |             |                                   |
| DATE             | REV. DATE | DRAWN BY | LOC. NO.    | DRAWING NUMBER                    |
|                  |           |          |             | SHEET NO. REV.                    |



\*USE 2"x2" WOOD OR EQUIVALENT STEEL STAKES.

REPLACE BALES AT LEAST EVERY 3 MONTHS.

FILTER FABRIC FENCE MUST BE INSTALLED AT EXISTING LEVEL GRADE. BOTH ENDS OF EACH FENCE SECTION MUST BE EXTENDED AT LEAST 8' UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT.

SEDIMENT MUST BE REMOVED WHERE ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FENCE.

PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGTATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION.

SILT FENCE MUST BE LEFT IN PLACE UNTIL PERMANENT STABILIZATION.

ANY FENCE SECTION THAT HAS BEEN UNDERMINED OR TOPPED MUST BE REPLACED WITH A ROCK FILTER OUTLET.

| REV       |  | DATE | BY | DESCRIPTION | CK | APP | STANDARD CONSTRUCTION DETAIL<br>REINFORCED 30" SILT FENCE INSTALLANTION<br>(SHEET 1 OF 3) |          |          |        |                |          |     |
|-----------|--|------|----|-------------|----|-----|---|----------|----------|--------|----------------|----------|-----|
|           |  |      |    |             |    |     | DATE  | REV DATE | DRAWN BY | LOC NO | DRAWING NUMBER | SHEET NO | REV |
| REVISIONS |  |      |    |             |    |     |   |          |          |        |                |          |     |



AT A MINIMUM THE FABRIC SHALL HAVE THE FOLLOWING PROPERTIES:

| FABRIC PROPERTY                     | MINIMUM ACCEPTABLE VALUE | TEST METHOD            |
|-------------------------------------|--------------------------|------------------------|
| GRAB TENSILE STRENGTH (lb)          | 120                      | ASTM D1682             |
| ELONGATION AT FAILURE (%)           | 20% MAX.                 | ASTM D1682             |
| MULLEN BURST STRENGTH (lb)          | 200                      | ASTM D3786             |
| TRAPEZOIDAL TEAR STRENGTH (lb)      | 50                       |                        |
| PUNCTURE STRENGTH (lb)              | 40                       | ASTM D 751 (MODIFIED)  |
| SLURRY FLOW RATE (gal/min/sf)       | 0.3                      |                        |
| EQUIVALENT OPENING SIZE             | 30                       | US STD. SIEVE CW-02215 |
| ULTRAVIOLET RADIATION STABILITY (%) | 80                       | ASTM G-26              |

|              |      |    |             |     |      |      |           |          |          |   |           |      |
|--------------|------|----|-------------|-----|------|------|-----------|----------|----------|---|-----------|------|
|              |      |    |             |     |      |      |           |          |          | STANDARD CONSTRUCTION DETAIL<br>REINFORCED 30" SILT FENCE INSTALLANTION<br>(SHEET 3 OF 3) |           |      |
| REV<br>LEVEL | DATE | BY | DESCRIPTION | CK. | APP. | DATE | REV. DATE | DRAWN BY | LOC. NO. | DRAWING NUMBER  | SHEET NO. | REV. |
| REVISIONS    |      |    |             |     |      |      |           |          |          |   |           |      |