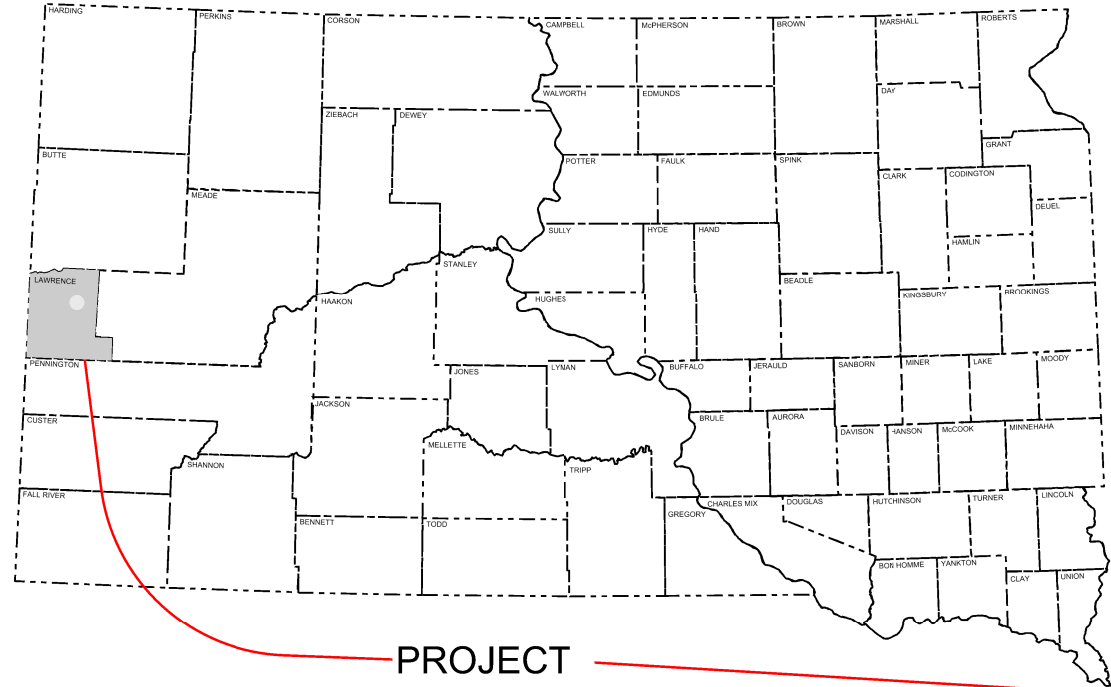


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Plotted From - Irrc11644



PROJECT

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

PROJECT 410D370
LAWRENCE COUNTY

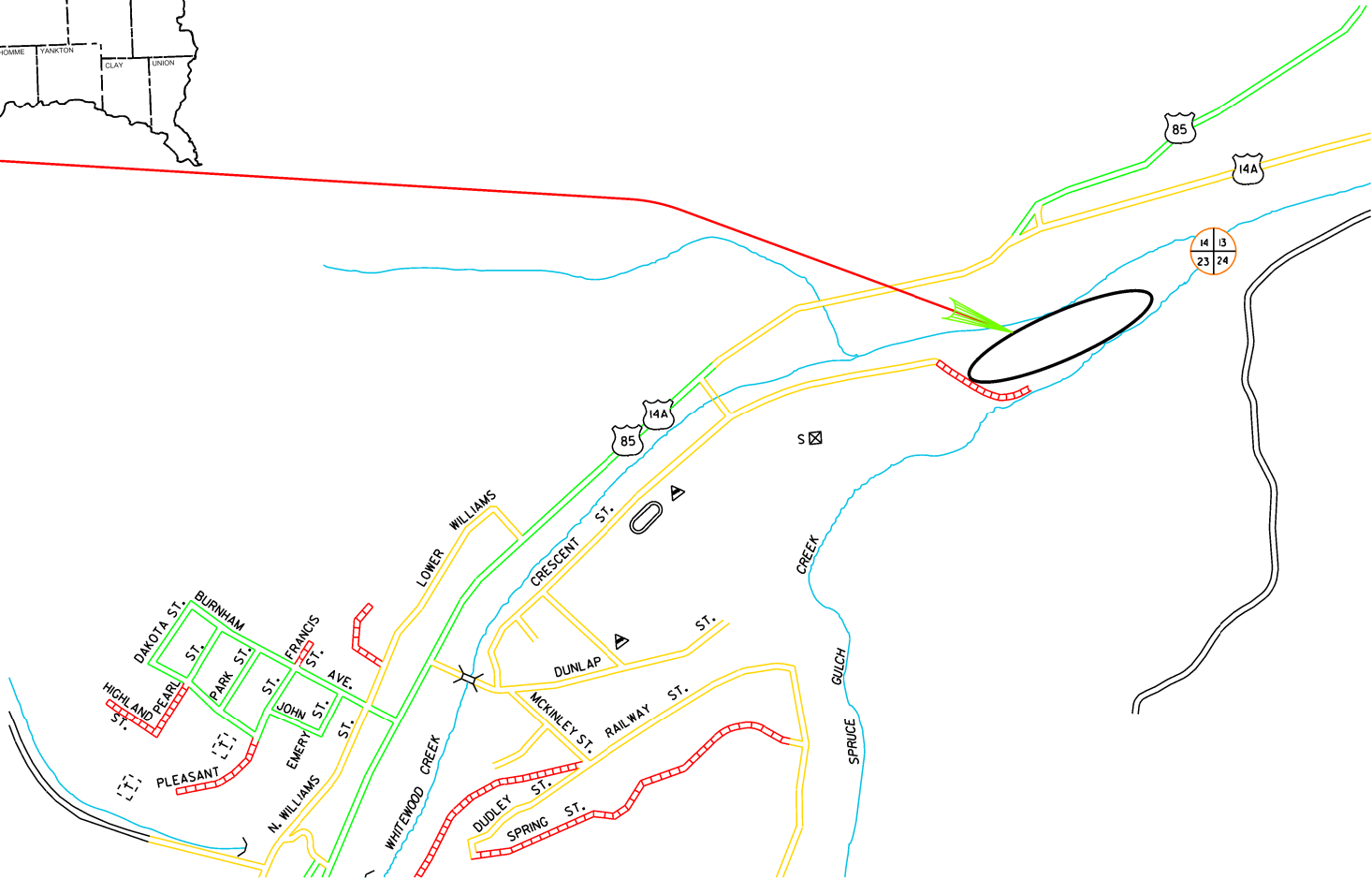
Chain Link Fence
PCN i3cv

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	410D370	1	5

Plotting Date: 04/28/2014

INDEX OF SHEETS

- 1 General Layout W/Index
- 2 Estimate With General Notes & Tables
- 3 Plan Sheet



STORM WATER PERMIT
None Required

DEADWOOD
SEC 23 T 5 N R 3 E

ESTIMATE OF QUANTITIES

Bid Item Number	Item	Quantity	Unit
009E0010	Mobilization	Lump Sum	LS
620E2100	Reset Gate	1	Each
621E0160	6' Chain Link Fence with Tension Wired Top	550	Ft
621E0400	Cantilever Gate	2	Each
621E0410	Pedestrian Swing Gate	1	Each

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 2004 Edition and Required Provisions, Supplemental Specifications and/or Special Provisions as included in this Proposal.

WORK DESCRIPTION

Work on this project includes installation of chain link fence and gates at the Deadwood Maintenance Yard.

No work shall begin prior to Aug 1, 2014.

All work shall be completed on or before September 30, 2014.

CHAIN LINK FENCE

The main gates shall be cantilever style sliding gates with a combined opening of 40'. The pedestrian swing gate shall be located to the south of main gate. The 24' gate for the south west corner will be supplied by the SD DOT Deadwood maintenance forces and reset in specified location.

The swing gate and pedestrian gate shall be installed as per standard Plate 621.10.

Barbed wire shall be installed on top of the chain link fence as per Standard Plate 621.04.

The contractor will be required to excavate through newly place asphalt for an approximate distance of 110' of fence. This work may require various diameters of holes due to fence and gate post sizes. Care shall be taken not to damage the surrounding surface. The contractor will be responsible to replace any asphalt that may be damaged or destroyed at no additional cost to the State.

All costs associated with this work shall be incidental to the contract unit price per foot for "6' Chain Link Fence with Tension Wired Top.

TABLE OF FENCE QUANTITIES

Location	6' chain link fence with tension wire top	Reset Gate	Pedestrian Swing Gate	Cantilever Gate
	FT	Each	Each	Each
West	288	0	1	1
South	262	1	0	0
Totals	550	1	1	1

WASTE DISPOSAL SITE

The Contractor will be required to furnish a site(s) for the disposal of construction/demolition debris generated by this project.

Construction/demolition debris may not be disposed of within the State ROW.

The waste disposal site(s) shall be managed and reclaimed in accordance with the following from the General Permit for Highway, Road, and Railway Construction/Demolition Debris Disposal under the South Dakota Waste Management Program issued by the Department of Environment and Natural Resources.

The waste disposal site(s) shall not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Engineer.

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements shall apply:

- Construction/demolition debris consisting of concrete, asphalt concrete, or other similar materials shall be buried in a trench completely separate from wood debris. The final cover over the construction/demolition debris shall consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the State ROW shall be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor shall control the access to waste disposal sites not within the State ROW through the use of fences, gates, and placement of a sign or signs at the entrance to the site stating "No Dumping Allowed".
- Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period of time not to exceed the duration of the project. Prior to project completion, the waste shall be removed from view of the ROW or buried and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06.

Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) shall be incidental to the various contract items.

SOUTH DAKOTA ONE CALL

The Contractor shall notify South Dakota One Call at 1-800-781-7474 prior to any work on project as utilities may be encountered.

The Contractor may also need to notify Greg Boness (347-1978) for locating SDDOT utility's that may be encountered.

CANTILEVER GATE

The cantilever gates shall have a combined opening of 40'. It is anticipated that two 20' gate sections be installed each side of proposed gate opening. Installation details shall be provided to owner prior to installation. Gates shall be installed as per manufacturer's recommendations.

Cantilever gate materials shall meet the minimum requirements for AASHTO M 181.

SURVEY

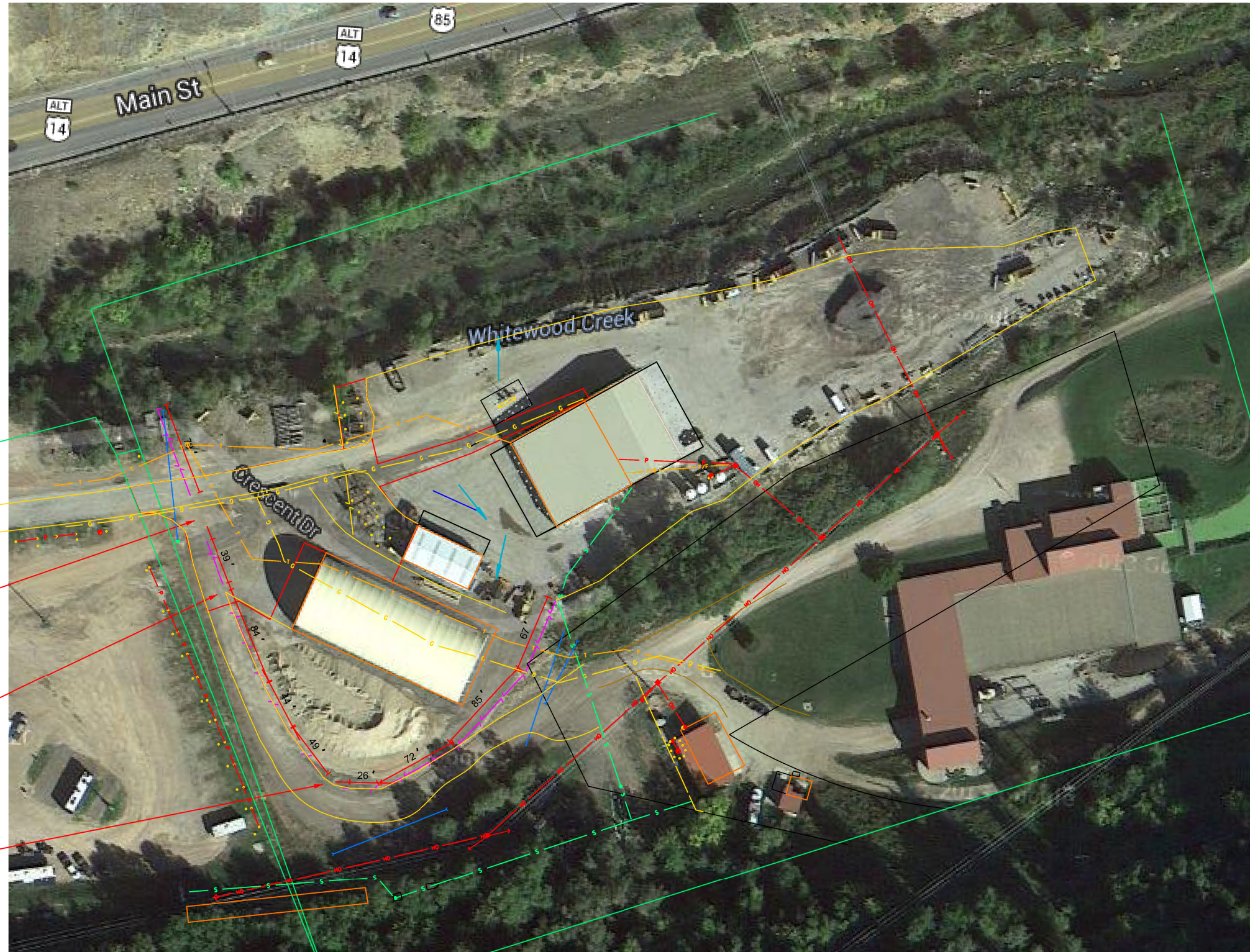
The fence and gate locations will be laid out by DOT personal prior to commencing work. Contact Greg Boness (347-1978) one week in advance to schedule fence layout.

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	410D370	2	5

----- New Chain Link Fence

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	410D370	3	5

Plotting Date: 04/28/2014



Install 40' cantilever gate

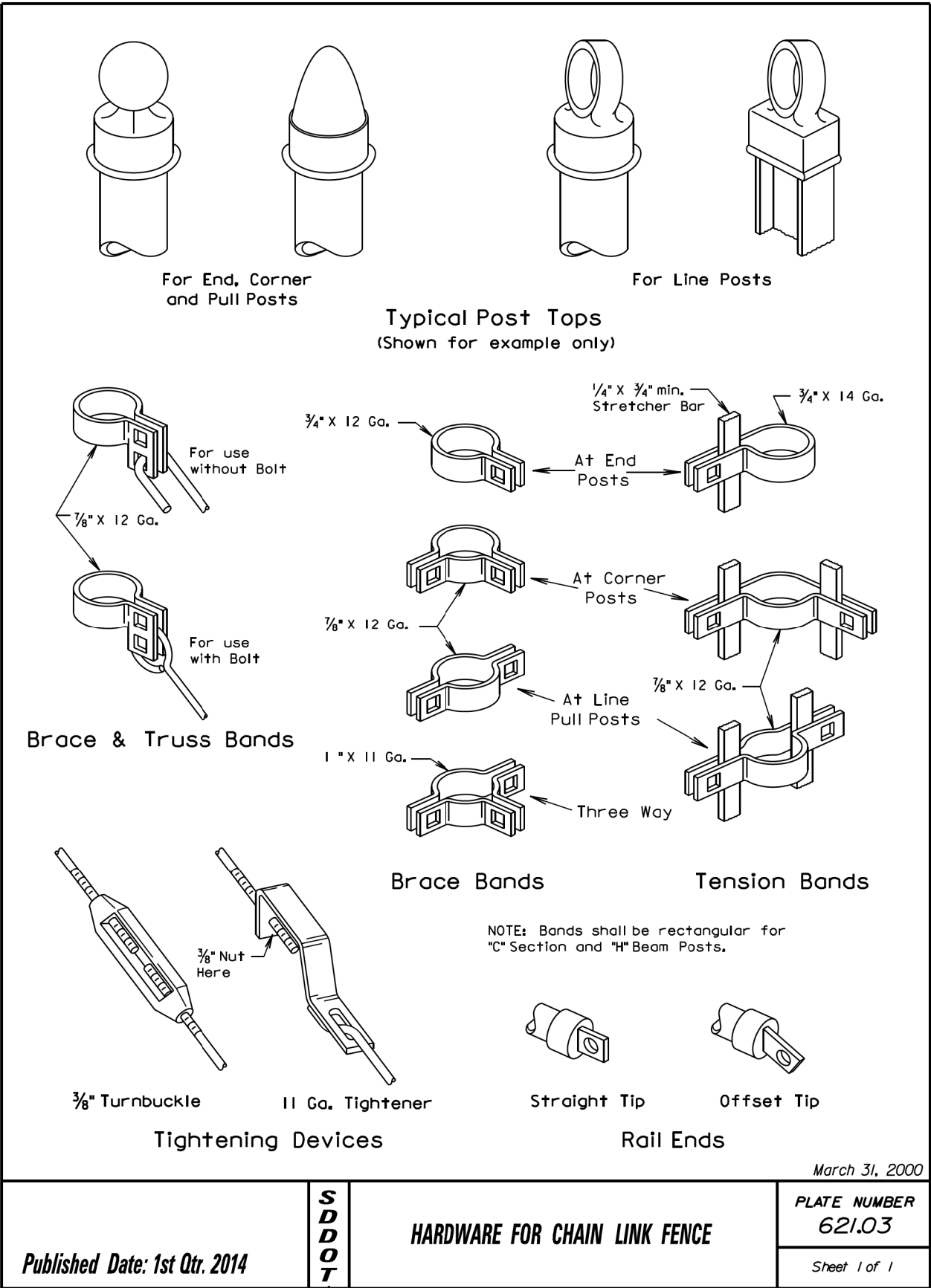
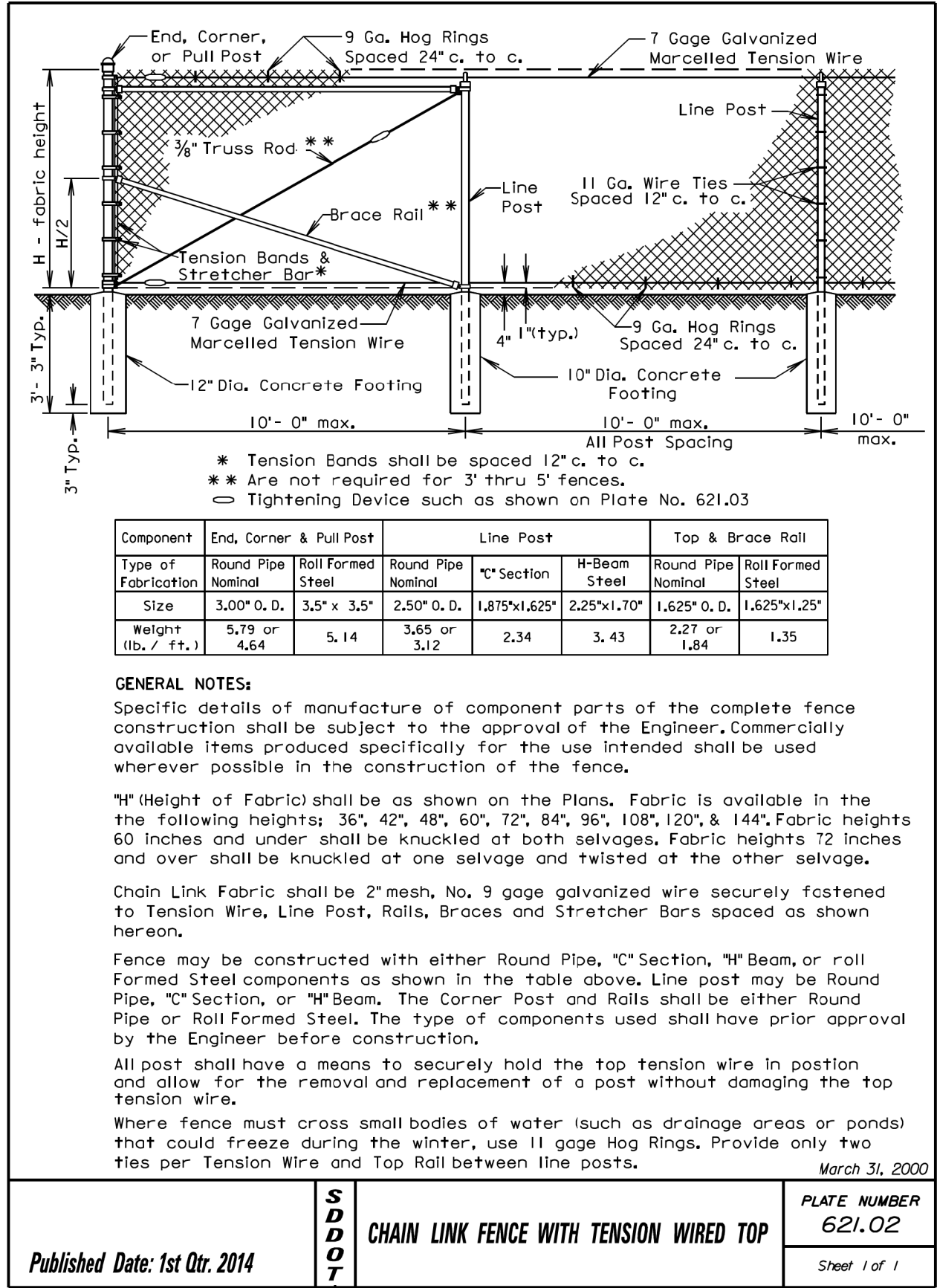
Install pedestrian gate

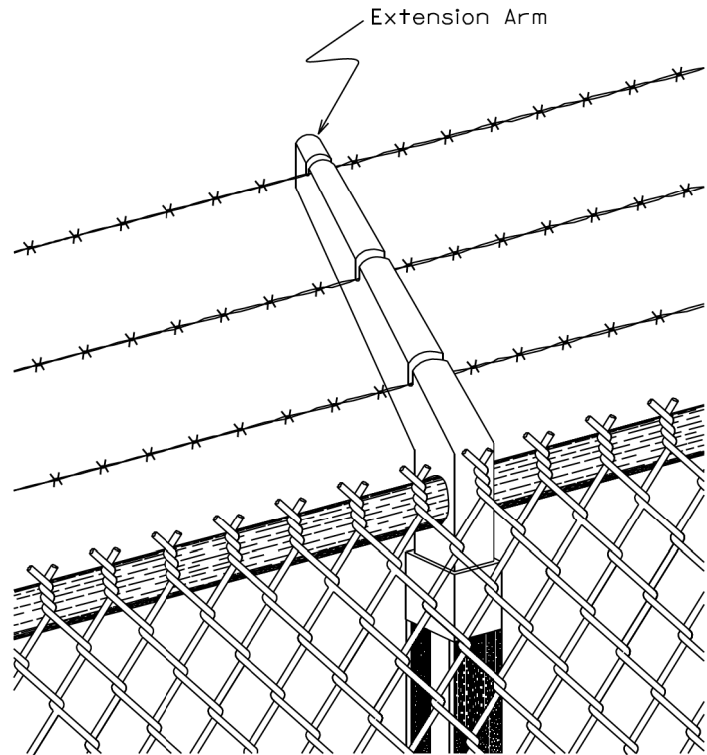
Reset 24' swing gate

Plot Scale - 1:100

Plotted From - Irrc11644

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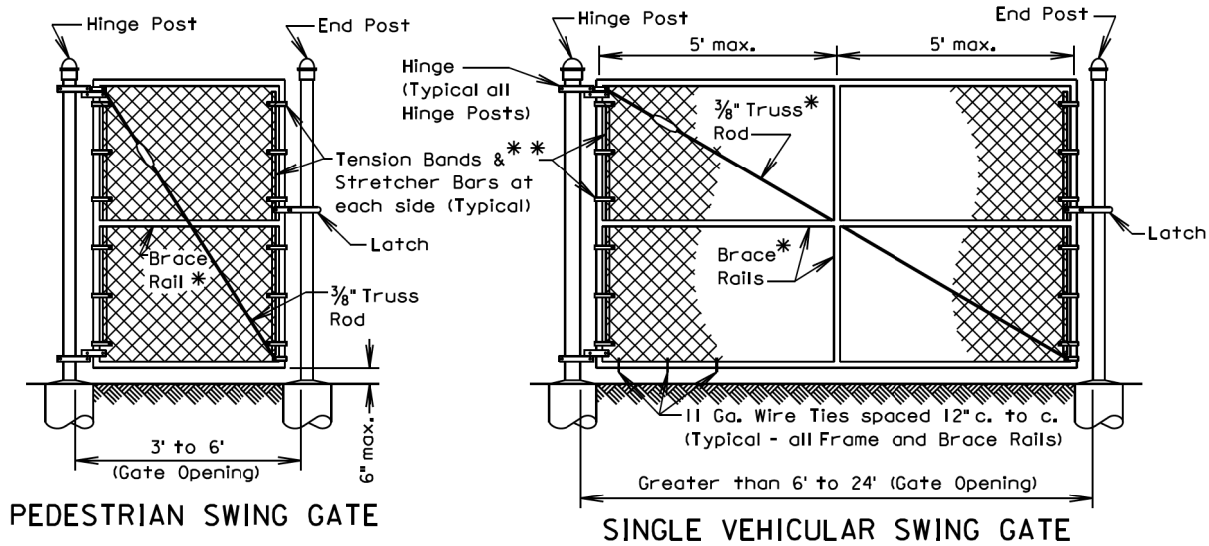
GENERAL NOTES:

Extension arms shall be hot dipped galvanized. End and corner arms shall be malleable iron. Intermediate arms may be pressed steel. Arms shall have sealed caps and three slots to accommodate the barbed wires. The top wire shall be 12 inches above the fabric and 12 inches out from the fence line at an angle of approximately 45°. Adjustable arms may be used. Barbed wire shall be two strand 12½ gauge wire with four point round barbs spaced on 5 inch centers.

Extra payment will not be made for extension arms with barbed wire. Extension arms with barbed wire shall be incidental to the respective "Chain Link Fence" bid item. When extension arms with barbed wire are attached to gates, the payment for the extension arms with barbed wire shall be incidental to the respective "Gate" bid item.

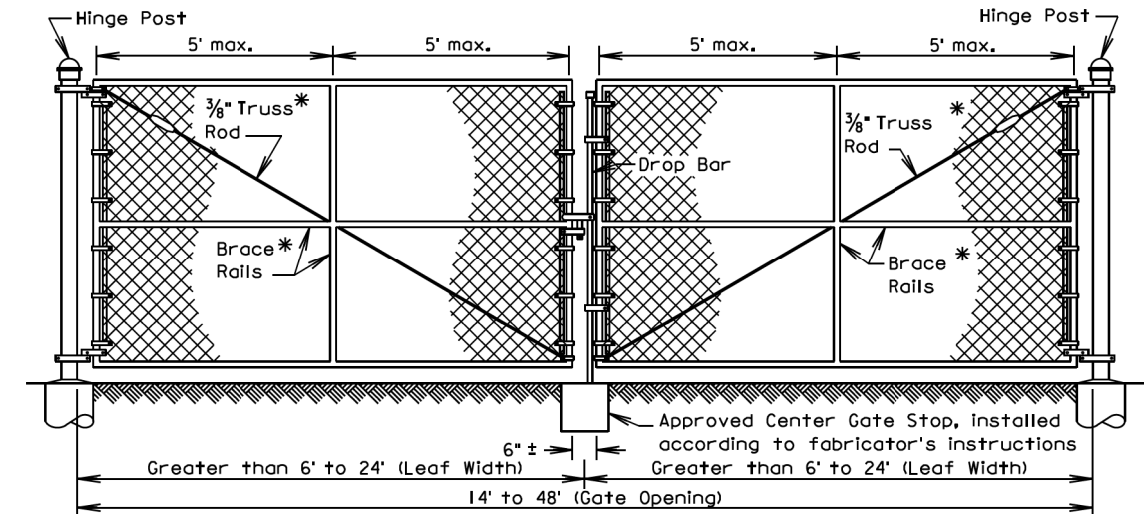
March 31, 2000

Published Date: 1st Qtr. 2014	S D D O T	BARBED WIRE TOP FOR CHAIN LINK FENCE	PLATE NUMBER 621.04
			Sheet 1 of 1



PEDESTRIAN SWING GATE

SINGLE VEHICULAR SWING GATE



DOUBLE VEHICULAR SWING GATE

Gate Opening		Frame Pipe Nominal	Brace Rail - Pipe Nominal
Width ¹	Height ²		
3' to 8'	3' to 6'	1.50"	1.50"
>8' to 23'	6'	1.90"	1.50"
>8' to 23'	> 6' to 12'	1.90"	1.90"

Gate Opening Width ¹	Hinge Post		Concrete Footing	
	Round Pipe Nominal	Roll Formed Steel	Depth	Diameter
3' to 6'	3.00"	3.50"x3.50"	36"	12"
> 6' to 13'	4.00"	—	42"	12"
> 13' to 18'	6.625"	—	48"	18"
> 18' to 23'	8.625"	—	48"	24"

NOTE: Gate frames may be constructed of bent or welded steel tubing installed according to fabricator's instructions and subject to the Engineer's approval.

- * Are not required for gates 3' to 5' height or 5' or less in width.
- * * Tension Bands shall be spaced 12" c. to c.
- ⊖ Tightening Device such as shown on standard plate 621.03
- ¹ Leaf width for Double Vehicular Swing Gate
- ² Shall coincide with fence height

September 14, 2001

Published Date: 1st Qtr. 2014	S D D O T	SWING GATES FOR CHAIN LINK FENCE	PLATE NUMBER 621.10
			Sheet 1 of 1