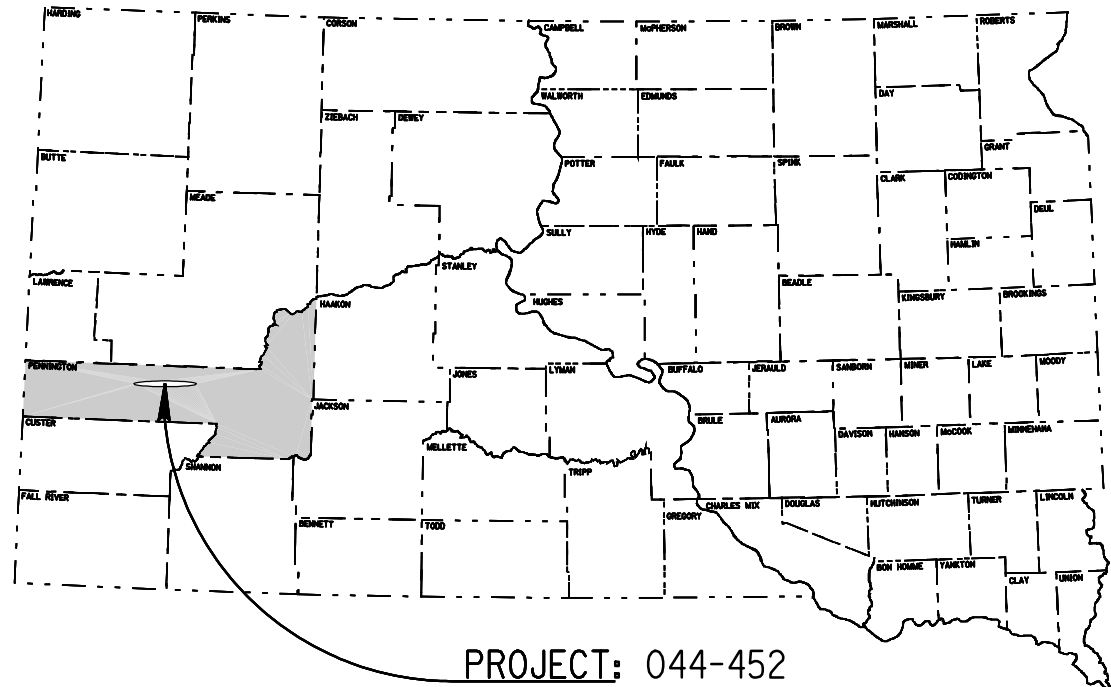


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PLOTTED FROM - TRRC1638



STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

PROJECT: 044-452
S.D. HIGHWAY 44
PENNINGTON COUNTY

Clearing and Grubbing, Fence Removal and Reset,
and Removal of PCC Pavement

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	044-452	1	8

Plotting Date: 09-SEP-2011

INDEX OF SECTIONS

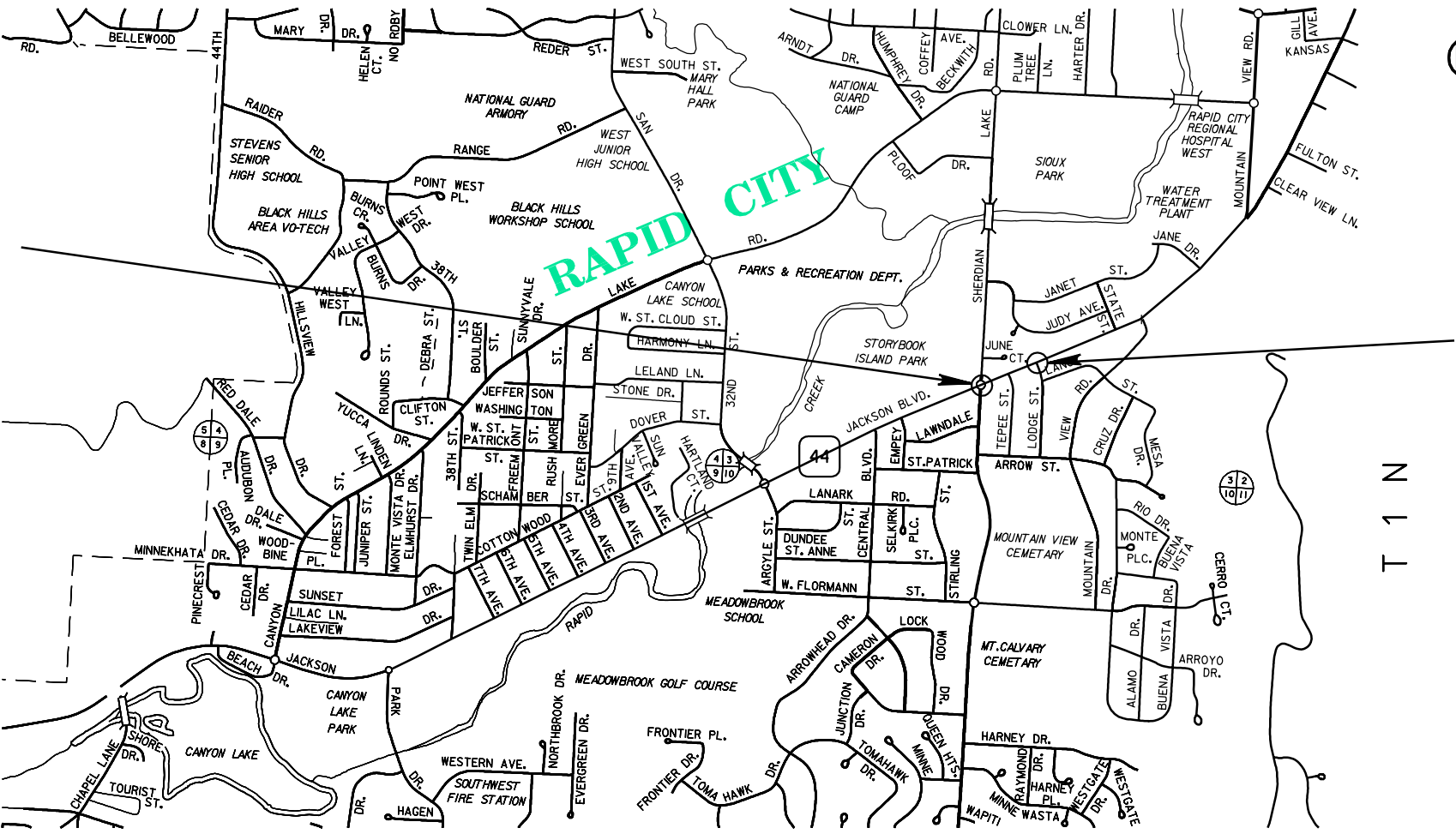
Sheet No. 1:	Title and Index
Sheet No. 2:	Estimate of Quantities
Sheet No. 2-4:	Notes and Tables
Sheet No. 5-7:	Plans
Sheet No. 8:	Standard Plates

PROJECT: 044-452

R 7 E PCN 12EH

Begin 044-452
JACKSON BOULEVARD
Station: 105+29

End 044-452
JACKSON BOULEVARD
Station: 110+53



DESIGN DESIGNATION

ADT (2008)	18710
ADT (2028)	25325
DHV	2660
D	50%
T DHV	2.0%
T ADT	4.3%
V	40 MPH

STORM WATER PERMIT

Major Receiving
Body of Water: Rapid Creek
Area Disturbed:
Total Project Area:

SCALES

	RURAL	SUBURBAN	URBAN
PLAN	1"=200'	1"=100'	1"=40'
PROFILE,	HORIZONTAL: 1"=200'	1"=100'	1"=40'
	VERTICAL: 1"=20'	1"=20'	1"=10'
CROSS SECTIONS	HORIZONTAL: 1"=40'	1"=20'	1"=20'
	VERTICAL: 1"=20'	1"=10'	1"=10'

GROSS LENGTH	524.00	FEET	0.099	MILES
LENGTH OF EXCEPTIONS	0.00	FEET	0.000	MILES
NET LENGTH	524.00	FEET	0.099	MILES



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PLOT NAME - 1

ESTIMATE OF QUANTITIES

Bid Item Number	Item	Quantity	Unit
009E0010	Mobilization	Lump Sum	LS
100E0100	Clearing	Lump Sum	LS
110E1130	Remove Concrete Driveway Pavement	27.0	SqYd
250E0010	Incidental Work	Lump Sum	LS
634E0100	Traffic Control	170	Unit
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0420	Type C Advance Warning Arrow Panel	1	Each

TRAFFIC CONTROL – GENERAL NOTES

- The intent of the plan sequence of operations is to have the least amount of impact on the traveling public and adjacent businesses. Requests to deviate from the sequence of operations shall be submitted in writing to the Engineer for review. Approval of an alternate sequence of operations will only be allowed when the proposed changes meet with the Department's intent for traffic control and sequencing of the work. An alternate sequence shall be submitted for review a minimum of two weeks prior to potential implementation.
- Traffic control shall at all times be maintained in accordance with applicable MUTCD Standards, Section 634 of the Standard Specifications and these plans.
- Unless otherwise stated in these plans, no work will be allowed during hours of darkness. Hours of darkness are defined as ½ hour after sunset until 1/2 hour before sunrise.
- Parking of equipment during non-working hours shall be in locations that do not hinder the visibility of or access to adjacent businesses or residences.
- The bottom of all signs on portable or temporary supports shall not be less than seven feet above the pavement in urban areas and one foot above the pavement in rural areas. Portable sign supports may be used as long as the duration is less than 3 days. If the duration is more than 3 days, the signs shall be mounted on fixed supports during the time of initial installation, except portable sign supports will be allowed where surfacing prohibits installation.
- The quantity of Signs paid for will be for the greatest number of installations per sign in place at any one time regardless of the number of set-ups on the project.
- Flagman hours will be will be incidental to the contact bid item, Traffic Control Miscellaneous.

TRAFFIC CONTROL – GENERAL NOTES (CONT'D)

- The Contractor shall keep the portion of the project being used by public traffic in a condition that will adequately and safely accommodate traffic. A power broom meeting the Air Quality Standards (a pickup type street sweeper with sufficient water), will be required to clean all loose debris off of paved surfacing.
- The Contractor shall provide documentation that all breakaway sign supports comply with FHWA NCHRP 350 and/or MASH crash-worthy requirements. The Contractor shall provide installation details at the preconstruction meeting for all breakaway sign support assemblies.
- Storage of vehicles and equipment shall be as near to the right-of-way as possible. Contractor's employees should mobilize at a location off the right-of-way and arrive at the work sites in a minimum number of vehicles necessary to perform the work. Indiscriminate driving and parking of vehicles within the right-of-way will not be permitted. Any damage to the vegetation, surfacing, embankment, delineators and existing signs resulting from such indiscriminate use shall be repaired and/or restored by the Contractor, at no expense to the State, and to the satisfaction of the Engineer.
- Temporary Road Markers shall be used for lane closure tapers or lane shift tapers. Temporary Road Markers used for tapers and shifts will not be measured for payment and will be incidental to the contract lump sum price for Traffic Control, Miscellaneous.
- All equipment and vehicles entering and exiting closed lanes of traffic in addition to working in traffic or along side traffic shall display a flashing amber light visible from all directions at a minimum distance of ¼ mile.
- The Contractor shall be required to have a person available 24 hour/day, 7 days/week to maintain traffic control devices. The name and cellular telephone number of this individual shall be given to the Engineer at the preconstruction meeting.

TRAFFIC CONTROL MISCELANEOUS

A right lane closure will be required to close off the driving lane on Jackson Blvd. to safely remove debris from the project limits. The lane closure taper shall be begin on Jackson Blvd. west of the Sheridan Lake Road intersection. Temporary sign supports shall be used and all traffic control devices shall be removed at the end of each work day. No lane closures shall be allowed during the hours of darkness.

TYPE C ADVANCED WARNING ARROW PANEL

The quantity of Type C Advance Warning Arrow Panels paid will be the most installations in place at any one time regardless of the number of set ups on the project.

CLEARING

This work shall include the clearing of shrubs, bushes, and trees along the south side of Jackson Blvd. at the following locations:

Sta. to Sta.	Description
105+29 Rt. to 106+11 Rt.	Hedge of bushes, evergreen bushes, ~ 4 trees (6" Diam.)
106+15 Rt. to 107+45 Rt.	13 Russian Olive Trees (12" – 36" Diam.) & 2 stumps
109+25 Rt to 110+00 Rt.	4 Trees (~6" Diam.), 3 Saplings, & 1 bush
114+00 Rt. to 115+00 Rt.	Hedge of bushes, shrubs, & evergreen tree (6" Diam.)

Before clearing activities begin, the Contractor shall contact the Engineer to determine the limits of clearing for the project.

After the clearing operation is complete, the Contractor shall provide fill material to bring the area back to natural ground elevation. The Contractor shall backfill, grade, and compact, seed and fertilize the areas to the satisfaction of the Engineer. All of these costs shall be included in the contract unit price for Clearing, L.S.

The description of trees, bushes, and shrubs, quantities, and sizes has been provided for informational purposes only. The Contractor shall be responsible for field verification of the tree/bush/shrub species and quantities. No measurements will be made in the field and the basis of payment shall be plans quantity. All labor, equipment, and materials necessary to perform Clearing shall be included in the contract unit price for Clearing, L.S.

INCIDENTAL WORK

This work shall include salvaging, removing and resetting, and installing temporary fence along the south side of Jackson Blvd from Stations 105+29 to 110+10. All locations and removal limits will be staked in the field by the Engineer before work begins.

The type and quantity for salvaging fence are shown in the Table below:

Salvage Fence				
Parcel #	Begin Station	End Station	Length (ft)	Type
3	105+29 Rt	105+29 Rt	10	Chain Link
4	106+11 Rt	106+11 Rt	10	Chain Link
5	108+33 Rt	108+33 Rt	10	Chain Link
6	109+25 Rt	109+25 Rt	12	Wood
6	109+83 Rt	109+83 Rt	12	Wood
6	109+26 Rt	110+09 Rt	83	Wood
6	110+10 Rt	110+10 Rt	12	Wood

Salvaged fence shall remain the property of the property owner and be stockpiled on the existing parcel at a location designated by the property owner.

The type and quantities of fence removal and reset are shown in the Table below:

Remove and Reset Fencing				
Parcel #	Begin Station	End Station	Length (ft)	Type
3	105+25 Rt	106+11 Rt	96	Chain Link
4	106+11 Rt	107+46 Rt	135	Chain Link
5	108+33 Rt	109+26 Rt	93	Chain Link

A temporary 6 ft. chain link fence with a 12 ft. gate shall be installed at the location shown below. The chain link gate configuration shall match the existing wood gate at this location. The chain link fence shall be connected to the existing wood fence.

6 Ft. Temporary Fencing				
Parcel #	Begin Station	End Station	Length (ft)	Type
6	109+26 Rt	110+09 Rt	83	Chain Link

The Contractor shall backfill all post holes from the salvaged and the remove and reset locations and seed and fertilize these locations to the satisfaction of the Engineer. All materials, labor, and equipment necessary to furnish temporary fence, gate and its components, remove and reset fence, salvage fence, and furnish and install backfill material, seed and fertilizer shall be included in the contract bid price for Incidental Work, L.S.

REMOVE CONCRETE DRIVEWAY

A concrete driveway located at Station 110+00 Rt. shall be removed to the limits of the Right of Way. The quantity of concrete is 23.0 S.Y. An additional 4.0 S.Y. will need to be removed within the temporary easement limits. The Engineer will stake the limits of removal in the field before work begins.

The concrete driveway matches into an existing sidewalk on the south side of Jackson Blvd. The Contractor shall saw cut full depth along the south edge of the sidewalk to define the limits of the sidewalk to remain in place. The Contractor shall leave the existing p-gutter adjacent to the sidewalk in place. Plans quantity shall be basis of payment.

The Contractor shall backfill the removal areas with suitable material and top it with 4 inches of topsoil, and seed and fertilize the area.

All labor, equipment, and materials necessary to saw cut, remove, and dispose of the concrete, furnish and install backfill material and topsoil, seed and fertilize shall be incidental to the contract bid price per S.Y. for REMOVE CONCRETE DRIVEWAY PAVEMENT.

INVENTORY OF TRAFFIC CONTROL DEVICES

SIGN CODE	SIGN SIZE	DESCRIPTION	NUMBER REQUIRED	UNITS PER SIGN	UNITS
G20-2A	36" x 18"	END ROAD WORK	2	17	34
W4-2	48" x 48"	LEFT OR RIGHT LANE ENDS (SYMBOL)	1	34	34
W20-1	48" x 48"	ROAD WORK ##### FT. OR AHEAD	1	34	34
W20-5	48" x 48"	LT. OR RT. LANE CLOSED ##### FT. OR AHEAD	1	34	34
W20-7a	48" x 48"	FLAGGER	1	34	34
TOTAL UNITS					170

PLOT SCALE - 40.000000:1.000000

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STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	044-452	5	8

Plotting Date: 09-SEP-2017

RAPID

CITY

TRACT 1

BOULEVARD

Creekside Professional
Office Condominiums

Parcel A2A & 2B

Parcel 2
Omitted

OFFICE

Margaret Pauline Casey

Parcel 2A, 14X and A9

TRACT 2

PARK

James E. Deay &
Sandra L Deay

Parcel A13

Lot 2

Present S.D. Hwy 44

Jackson Boulevard

N67°47'13"E

100+00

101+00

102+00

103+00

104+00

105+00

106+00

130'

130'

Sta. 105+29 Rt.
Salvage 10' of Chain Link Fence

100'

Lot 5

Lot 4

Lot 3

Lot 2

Lot 1

LAWNDALE

SUBDIVISION

John H. Sharkey &
S. Ilene Sharkey

Parcel A12

BLOCK 1

Sec. 3 - T1N - R7E

BLOCK 4 PARK

Lot 1

John F. Zanka &
Cindy J. Zanka

Parcel 3

ADDITION

Sta. 105+25 Rt. to
Sta. 106+11 Rt.
Remove and Reset
96' of Chain
Link Fence

Sta. 105+29 to Sta. 106+11 Rt.
Clear hedge of bushes,
evergreen bushes, and
approx. 4 trees (6" diam.)

Sheridan Lake Road

N1°58'21"E

N2°08'08"E

1/4 Line

4+00

3+00

N3°41'00"E

80'

N

PLOT NAME - 5

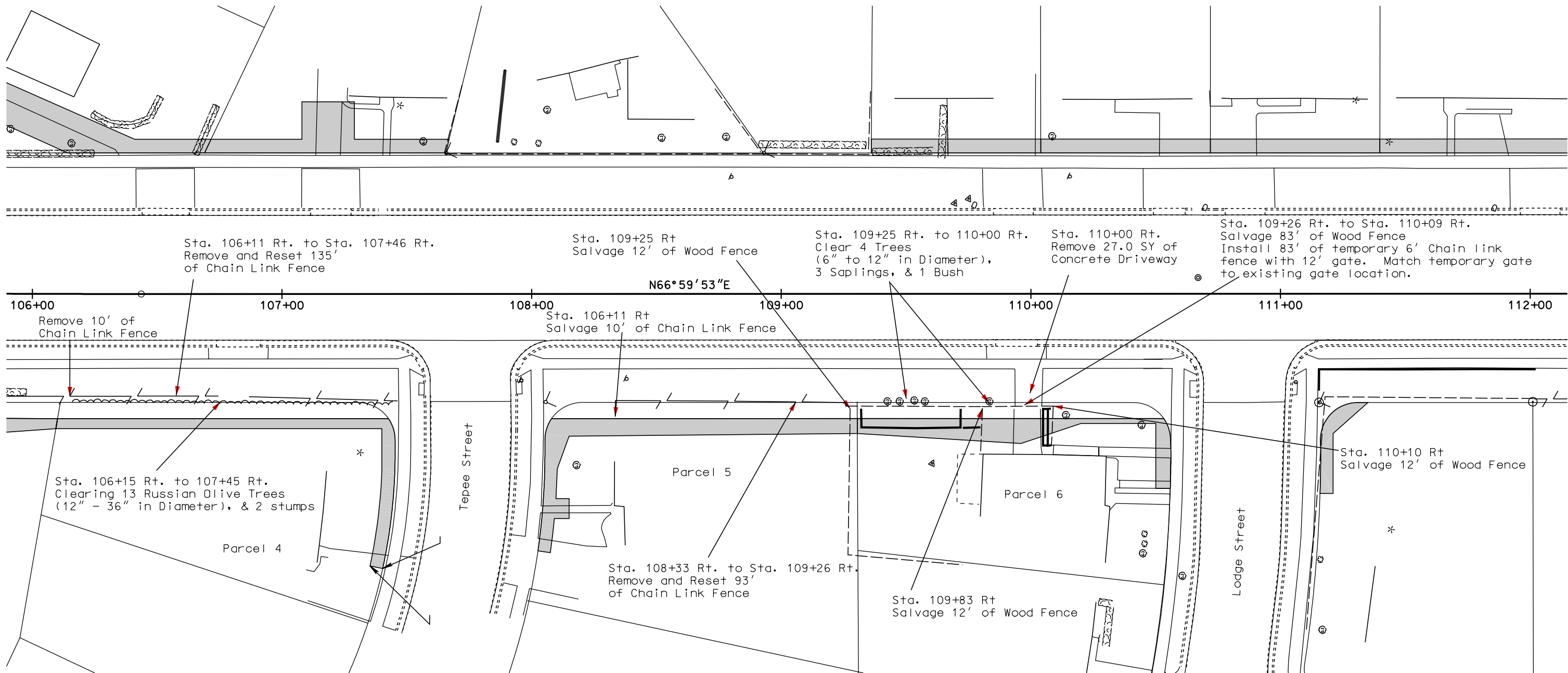
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STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	044-452	6	8

Plotting Date: 09-SEP-2011



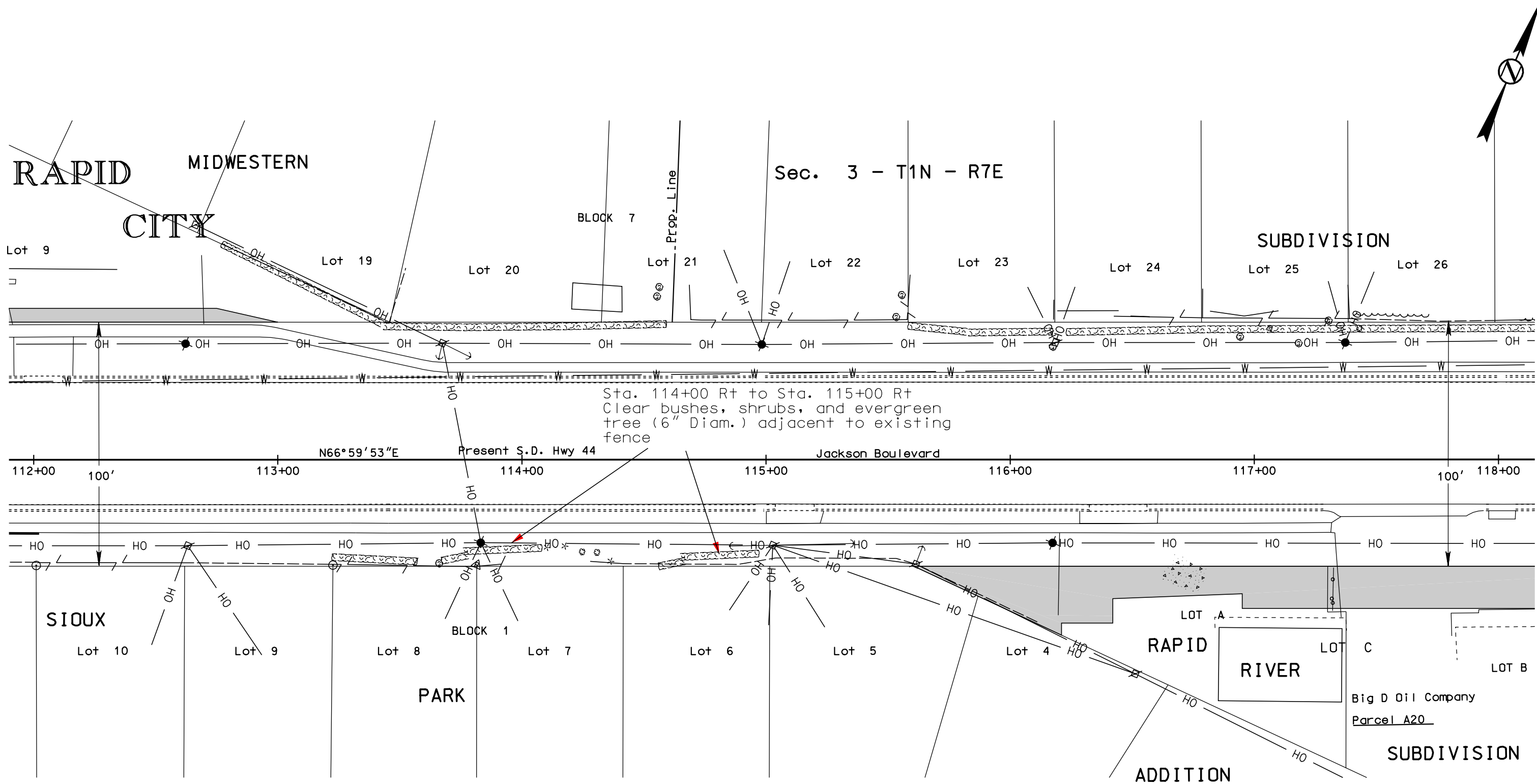
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STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	044-452	7	8

Plotting Date: 09-SEP-2011

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Plotting Date: 09-SEP-2011

