

Engineering Design Standards



CITY OF
PIERRE

SOUTH DAKOTA

**City partners with
developers,
contractors, and utility
providers to ensure
reliable services to
consumers of today and
tomorrow**

Engineering Design Standards

- 17 Chapters and 4 Supplements
- Technical specifications removed from City ordinance
- One reference document
- Standardized Utilities

How developed?

Best Practices already in place

Ordinances in place

Engineering

Departments - Superintendents

Planning/Building Departments

South Dakota Regulatory requirements

10 State Standards, AASHTO Standards, etc.

-Industry Standards

Cities with Engineering Design Standards

Sioux Falls

Rapid City

Huron

Vermillion

Watertown

Harrisburg

City of Pierre Responsibility

Public Infrastructure

- Engineering Design Standards
- Construction Engineering
- Initial Testing Required by City
- As-Builts

Developer Responsibility

Staking – throughout construction

Testing if initial test fails

Financial Assurances

- ❖ During Development
- ❖ After City Acceptance

Warranty after City Acceptance

- ❖ 1 year surfacing
- ❖ 2 year underground utilities

Chapters

- ❖ Submittal requirements for Plats and Plans
- ❖ Acceptance Procedures and Requirements
- ❖ Minimum Testing Requirements for Public Improvements
- ❖ Street Lighting

Chapters

- ❖ General Provisions
- ❖ Submittal Procedures
- ❖ Permit Procedures and Requirements
- ❖ Utility Locations and Easements
- ❖ Street Access and Parking

Chapters

- ❖ Drainage Improvements
- ❖ Erosion and Sediment Control

Ordinance Change

Anyone doing work in the Right of Way will require a license as well as a permit.

Right of Way Permits

Restoration of ROW

- Original or Better Condition

Require a ROW Bond

- \$15,000 or 10% of project

Liability Insurance

- \$2,000,000

Require Passing Density Test in ROW

Provide Signage and Traffic Control

Disturbed Surfaces





Correct



Avoid

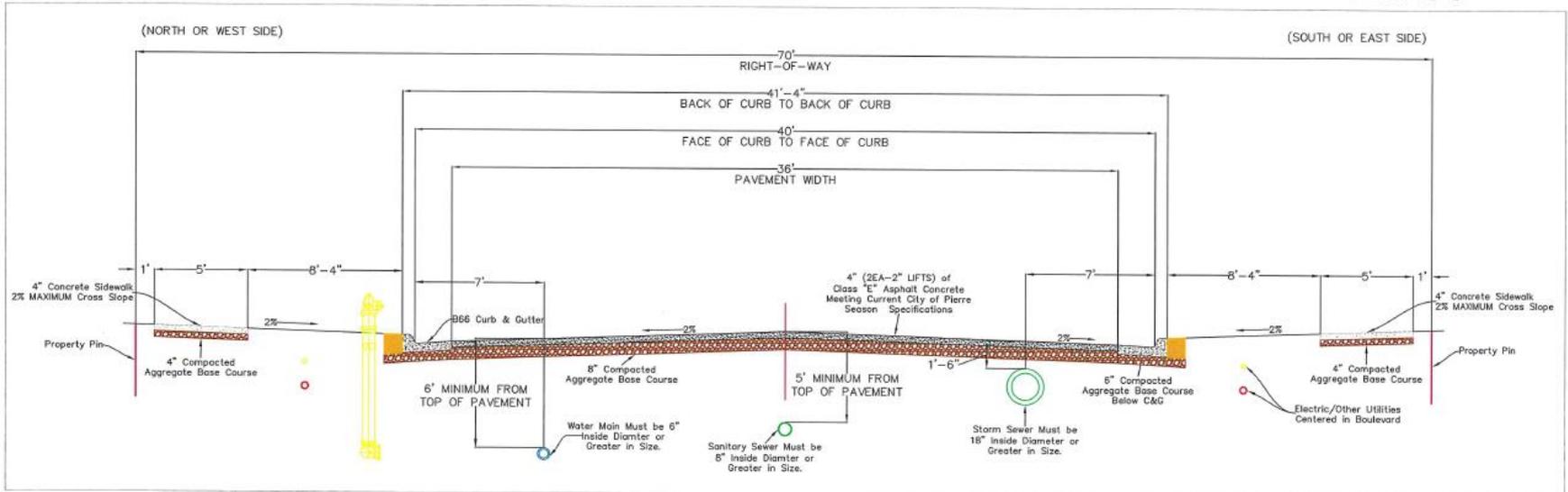
Available on City of Pierre Website



RESIDENTIAL

**PRELIMINARY
DRAFT**

CITY OF PIERRE	PROJECT	SHEET NO.	TOTAL SHEETS
	STANDARD PLATE CREATION	1	5
DATE	NOVING		
05-17-2017			



DEPTH OF COVER REQUIREMENTS	
UTILITY	MINIMUM BURY DEPTH
STORM SEWER**	18"
SANITARY SEWER**	60"
WATER**	72"
ELECTRICITY	30" - 40"
GAS*	18"
COMMUNICATIONS*	18"
CABLE TV*	18"

* Utilities sharing trench with Electric Service must have a minimum vertical separation of 12"
 **10' Lateral Separation is Required from Outside of Pipe to Outside of Pipe.

Thank you for coming

Additional information:

City of Pierre Website:

<http://www.pierre.sd.gov/>

Engineering Tab

Questions on Stormwater?

Kyle Kurth 773-3066 x112

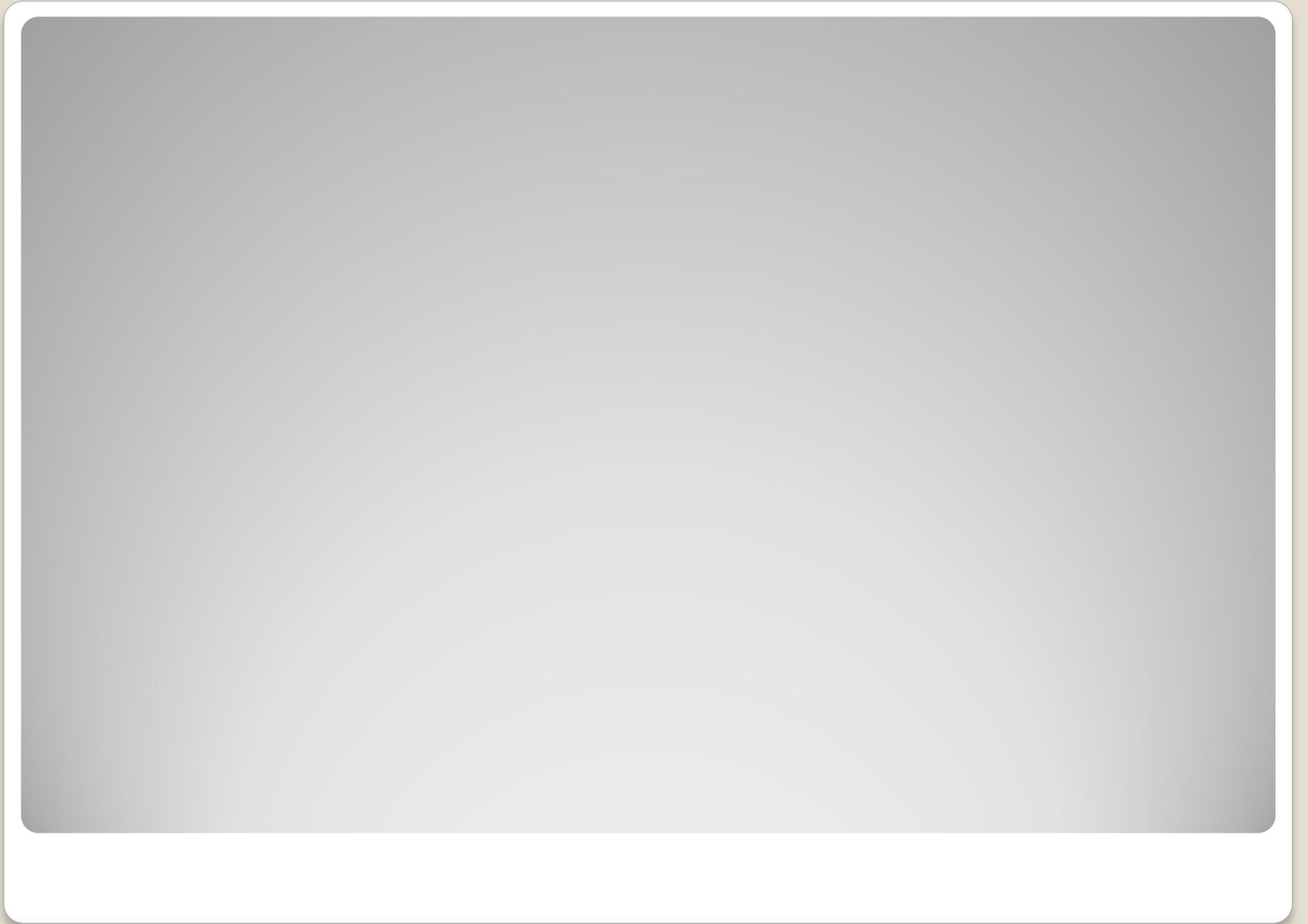
Questions on Subdivisions – Procedures?

Sharon Pruess 773- 3062

Written comments encouraged: john.childs@ci.pierre.sd.us

John Childs, City Engineer 773-3056



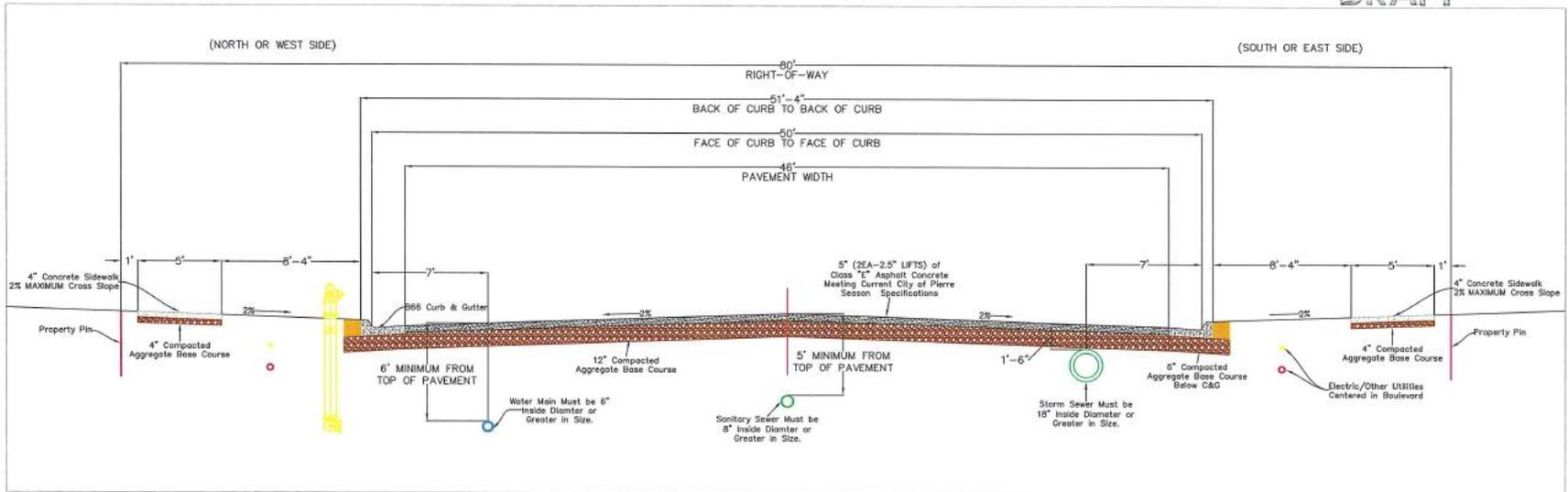




MINOR ARTERIAL

**PRELIMINARY
DRAFT**

CITY OF PIERRE	PROJECT	SHEET NO.	TOTAL SHEETS
	STANDARD PAVE CREATION	8	8
DATE	ISSUED		
05-17-2017	06/09/17		



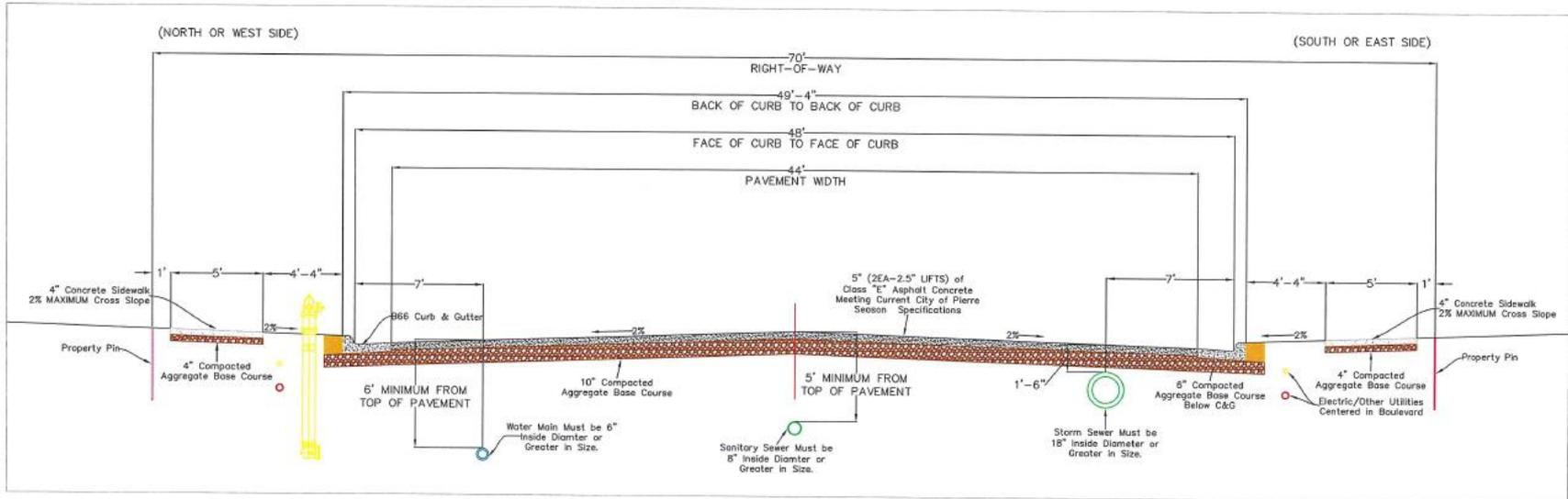
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COLLECTOR

CITY OF PIERRE	PROJECT	SHEET NO.	TOTAL SHEETS
	STANDARD PLATE CREATION	4	5
DATE	DRAWING		
05-17-2017			

**PRELIMINARY
DRAFT**



DEPTH OF COVER REQUIREMENTS

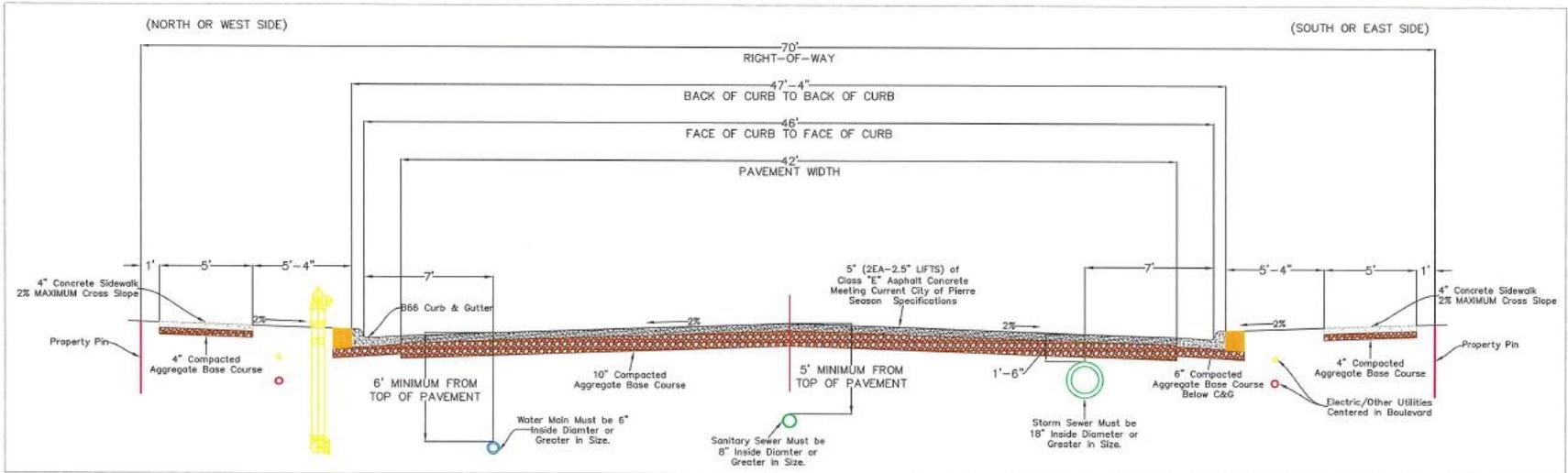
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COMMERCIAL AND INDUSTRIAL

CITY OF PIERRE	PROJECT	SHEET NO.	TOTAL SHEETS
	STANDARD PLATE CREATION	3	5
DATE	DRAWING		
05-17-2017			

**PRELIMINARY
DRAFT**



DEPTH OF COVER REQUIREMENTS

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STORM SEWER**	18"
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