



PW030105-19

CITY OF RAPID CITY

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February 24, 2005

Rapid City Council

RE: Addenda to the City of Rapid City Standard Specifications for Public Works Construction 2004 Edition

Dear Rapid City Council Members:

The Public Works Department is requesting approval of the addenda listed below to the City of Rapid City Standard Specifications for Public Works Construction, 2004 Edition. The requested addenda are listed below:

Item 1 Section 8.2.F.4.b., Service Saddles

Replace "Saddles 6 inches – 12 inches mains shall utilize a stainless steel, cast brass per ASTM B62, bronze, or a high strength ductile iron body with a minimum 12 mils of fusion applied epoxy coating and a stainless steel band" with "**Saddles 6 inches – 12 inches mains shall utilize a stainless steel, cast brass per ASTM B62, bronze, or a high strength ductile iron body with a minimum 10 mils of fusion applied epoxy or Nylon 11 coating and a stainless steel band**"

Under the headings for "1 inch Service Taps" and "1-1/2 inches & 2 inches Service Taps" replace "**Mueller SS**" with "**Mueller DR2S**".

Reason: Utility Maintenance has been experiencing some failures in the field with the Mueller SS service saddles. The Mueller DR2S service saddle is an updated design with Nylon 11 coating which is anticipated to reduce these failures.



EQUAL OPPORTUNITY EMPLOYER

Section 8.2.F.4.c., Service Saddles

Replace “Saddles for 14 inches and larger mains shall utilize a stainless steel, cast brass per ASTM B62, bronze, or a high strength ductile iron body with a minimum 12 mils of fusion applied epoxy coating and a stainless steel band” with **“Saddles for 14 inches and larger mains shall utilize a stainless steel, cast brass per ASTM B62, bronze, or a high strength ductile iron body with a minimum 10 mils of fusion applied epoxy or Nylon 11 coating and a stainless steel band”**

Under the heading “1 inch Service Taps” replace “Saddles for 1 inch taps on 14 inches and larger pipe shall be Ford Style FC202, Romac Style 202N and 202BS with SS straps, or approved equal” with **“Saddles for 1 inch taps on 14 inches and larger pipe shall be Ford Style FC202, Romac Style 202N, Mueller DR2S, and 202BS with SS straps, or approved equal.”**

Under the heading “1-1/2 inches & 2 inches Service Taps” replace “Saddles for 1-1/2 inches & 2 inches taps on 14 inches and larger pipe shall be Ford Style FC202, Romac Style 202N and 202BS with SS straps, or approved equal” with **“Saddles for 1-1/2 inch & 2 inch taps on 14 inches and larger pipe shall be Ford Style FC202, Romac Style 202N, Mueller DR2S, and 202BS with SS straps, or approved equal.”**

Reason: Utility Maintenance has been experiencing some failures in the field with the Mueller SS service saddles. The Mueller DR2S service saddle is an updated design with Nylon 11 coating which is anticipated to reduce these failures.

Item 3 Standard Details

Replace Standard Details **41-1 and 41-2** with the applicable attached details.

Reason: The specified trench width has been modified to minimize the removal limits and decrease the overall pavement patch width.

Item 4 Standard Details

Insert attached Standard Detail **9-13** into the Standard Details.

Reason: A Termination Manhole detail was not previously incorporated in the Specifications.

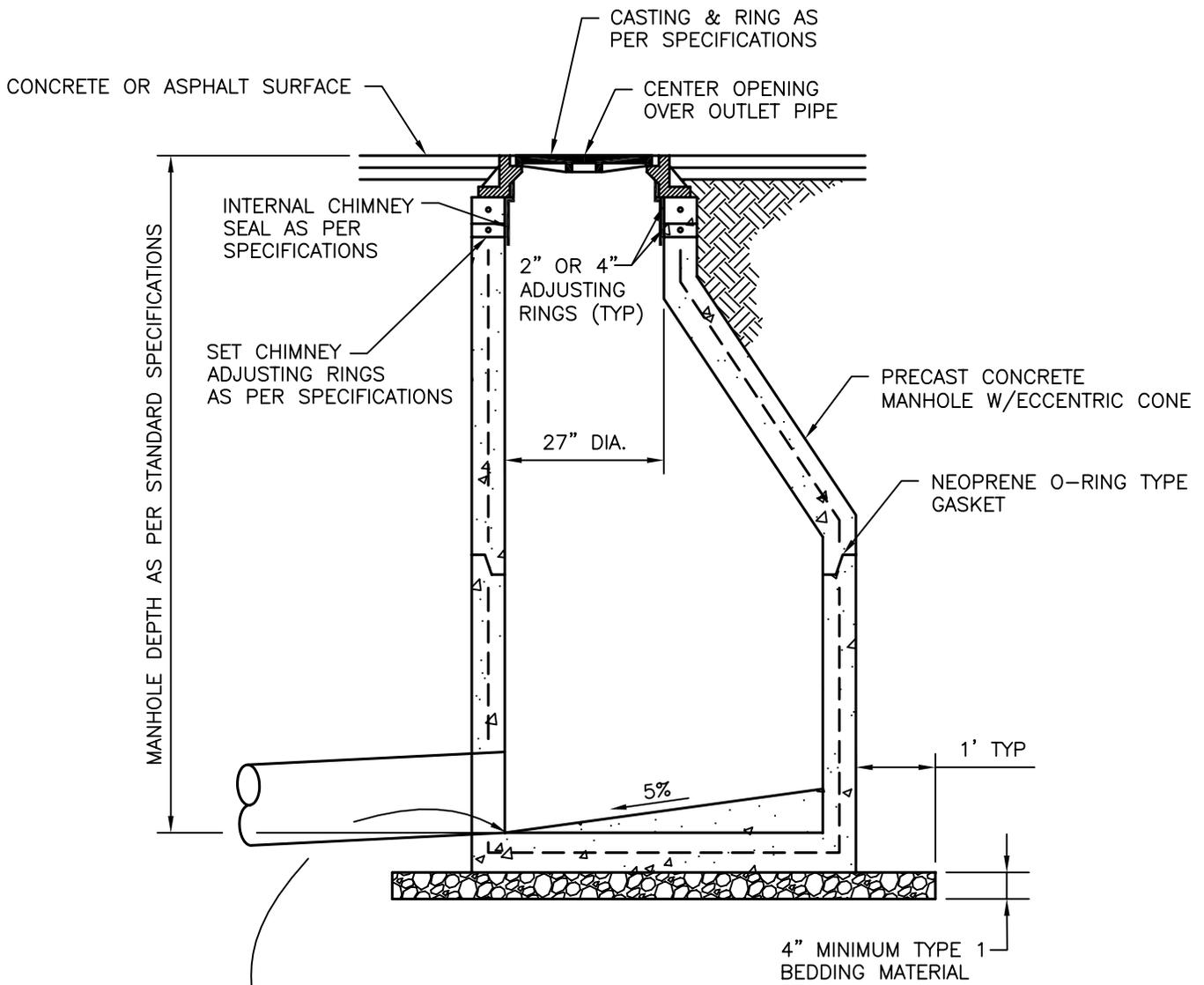
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Sincerely,

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City of Rapid City

Dirk Jablonski
Public Works Director

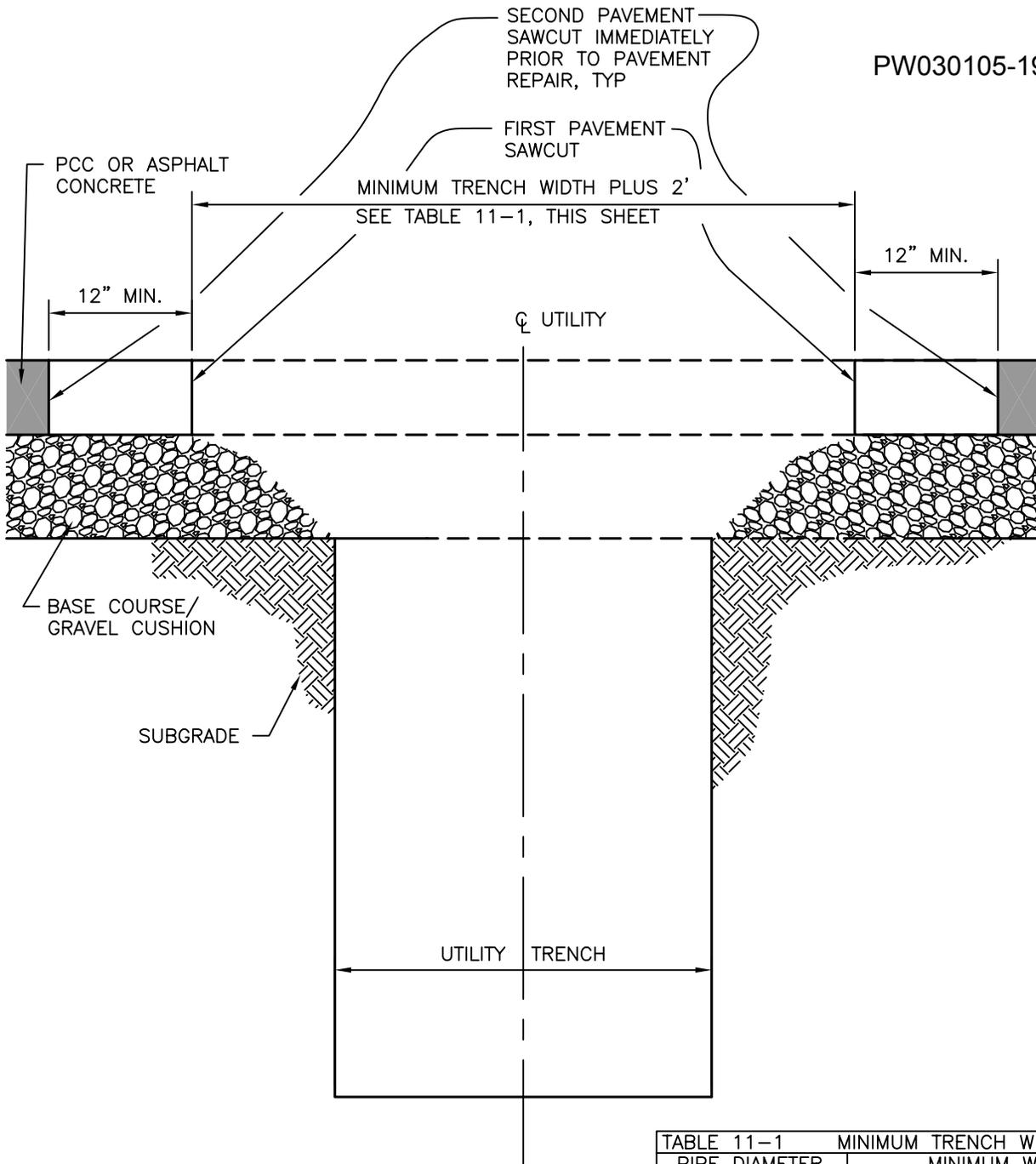
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SLOPE MANHOLE INVERT SO THAT ANY FLOW ENTERING MANHOLE WILL FLOW INTO PIPE PENETRATION. 'U' SHAPED CHANNEL REQUIREMENTS ARE NOT REQUIRED FOR TERMINATION MANHOLES

NOTE:

MANHOLE PIPE CONNECTOR SHALL BE A RESILIENT WATER TIGHT SEAL.



PIPE DIAMETER	MINIMUM WIDTH
<8 in.	24in.
8in. - 12in.	30in.
14in. - 18in.	36in.
20in. - 21in.	42in.
24in. - 36in.	1.25 (PIPE OD) PLUS 12in.
>36in.	PER PLANS

NOTES:

1. ALL SAWCUTS TO BE FULL DEPTH.
2. BASE COURSE & ASPHALT CONCRETE THICKNESS TO MATCH EXISTING BUT IN NO CASE WILL BE LESS THAN 6" BASE & 5" ASPHALT CONCRETE. TACK EXISTING VERTICAL FACES WITH ASPHALT PATCH.
3. PCC PAVEMENT - SEE PCC PAVEMENT DETAILS.
4. TRENCHES ARE SHOWN TO DIAGRAM PATCHING REQUIREMENTS. TRENCHES SHALL BE CONSTRUCTED TO MEET OSHA REQUIREMENTS.

CITY OF RAPID CITY

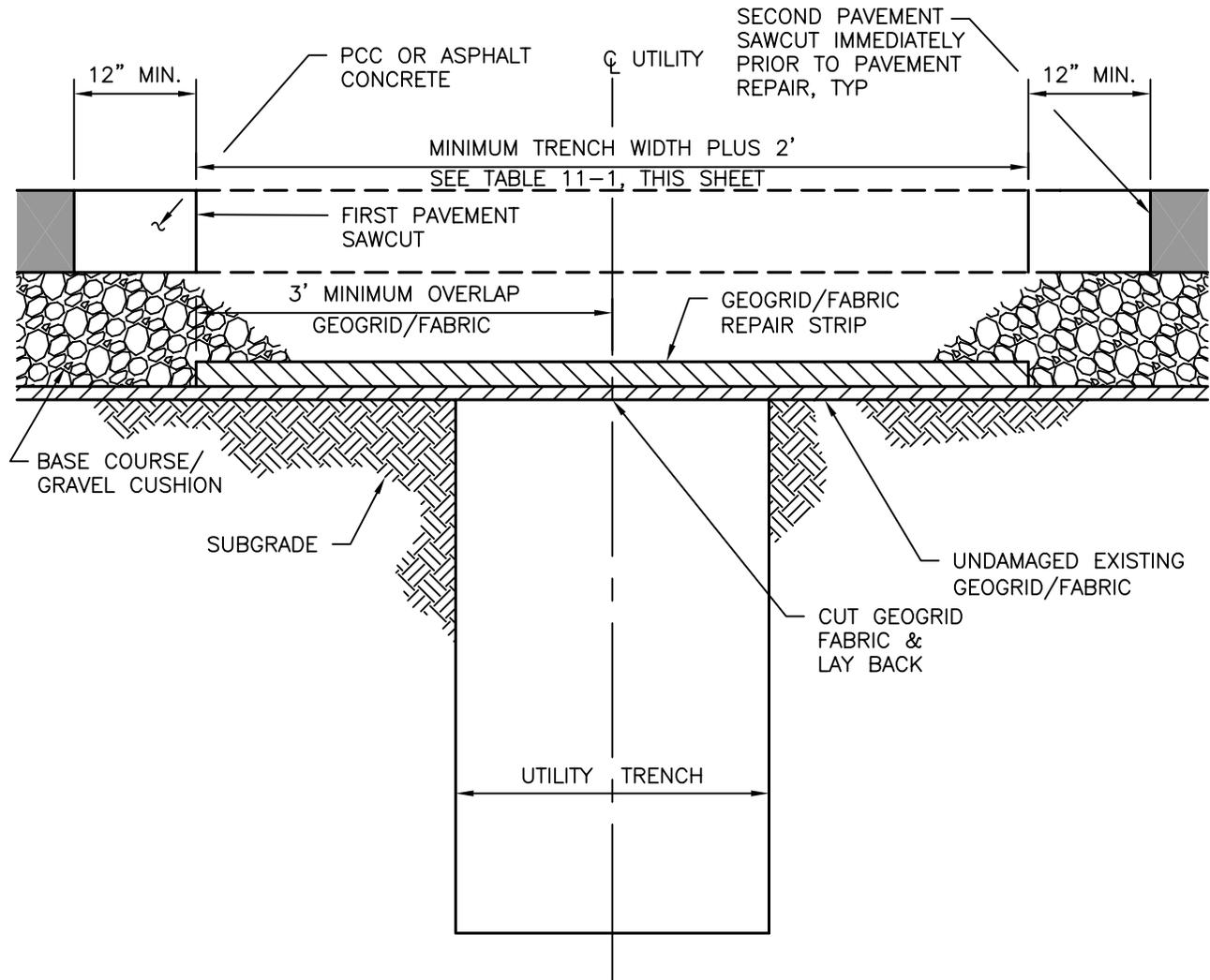
PUBLIC WORKS DEPARTMENT

UTILITY TRENCH PATCH DETAIL

DATE: 2-24-05

SEC. SHT.

41-1



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