

STAFF REPORT

July 25, 2002

No. 02PL049 - Layout Plat

ITEM 5

GENERAL INFORMATION:

PETITIONER	Davis Engineering
REQUEST	No. 02PL049 - Layout Plat
EXISTING LEGAL DESCRIPTION	Tract F of the NW1/4 less Murphy's Subdivision and ROW, Section 14, T1N, R8E, BHM, Pennington County, South Dakota
PROPOSED LEGAL DESCRIPTION	Block 1, Lots 1 thru 20; Block 2, Lots 1 thru 11; Block 3, Lots 1 thru 21; Block 4, Lots 1 thru 18; Block 5, Lots 1 thru 16; Block 6, Lots 1 thru 20; Block 7, Lots 1 thru 9; Block 8, Lots 1 thru 18; Block 9, Lots 1 thru 25; Block 10, Lots 1 thru 48; and Block 11, Lots 1 thru 29; Murphy Ranch Estates Subdivision, located in the NW1/4 Section 14, T1N, R8E, BHM, Pennington County, South Dakota
PARCEL ACREAGE	Approximately 86.714 acres
LOCATION	Approximately 800 feet east of Reservoir Road on Longview Road
EXISTING ZONING	Suburban Residential District (County)
SURROUNDING ZONING	
North:	Suburban Residential District/General Agriculture District
South:	Limited Agriculture District/General Agriculture District
East:	Limited Agriculture District
West:	Limited Agriculture District/Suburban Residential District
PUBLIC UTILITIES	none
DATE OF APPLICATION	05/10/2002
REPORT BY	Lisa Seaman

RECOMMENDATION:

Staff recommends that the Layout Plat be continued to the August 8, 2002 Planning Commission meeting to allow the applicant time to provide additional required information.

GENERAL COMMENTS: **This item was continued from the June 20, 2002 Planning Commission meeting. (Updates to the staff report are shown in bold.)** The petitioner has submitted a Layout Plat to subdivide an existing eighty-acre tract of land into 235 residential lots. The Layout Plat shows that open space will be provided in the northeast

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corner of the property that will also function as a detention dam. The subject property is located south of Long View Road, east of Reservoir Road, and north of East Highway 44 in Rapid Valley. The subject property is located within Rapid City's three-mile platting jurisdiction.

STAFF REVIEW: Staff has reviewed this Layout Plat and has identified numerous critical issues that must be addressed by the petitioner before the Layout Plat can proceed. Some of these issues relate to additional information required by the petitioner while other issues involve required revisions to the Layout Plat.

Utilities: The petitioner has not submitted any information regarding how sewer and water will be provided to the proposed subdivision with the exception of a note on the Layout Plat indicating that a 12 inch water main will be installed along the south right of way of Long View Road. The Engineering Division has noted that the standard location for water mains is within the right of way on the north side of the road. When plans are submitted for the extension of water and sewer to the proposed subdivision the water main should be located along the north side of Long View Road unless otherwise requested by the Rapid Valley Sanitary District. **As of July 15, 2002, the applicant has not submitted the requested information concerning the provision of water and sanitary sewer to the proposed subdivision.**

The Engineering Division has indicated that a utility master plan must be submitted for this proposed major subdivision. The Layout Plat subject property is located within the Rapid Valley Sanitary District service boundary and they have indicated that all sanitary sewer and water main improvements must be constructed to the Rapid Valley Sanitary Sewer Districts standards. **As of July 15, 2002, the applicant has not submitted the requested utility master plan.**

Road Issues: Staff has identified a number of road issues related to this Layout Plat. First, it appears that there are an insufficient number of connections to surrounding properties and roads. The proposed Layout Plat shows that only two roads will provide ingress/egress for the proposed 235 lots to the subdivision via Long View Road. Staff is recommending that the applicant submit a revised Layout Plat indicating a connection to the east to Rommel Road, to the south to Tract G and to the west to Reservoir Road. Secondly, it appears that the western-most north/south cul de sac exceeds the maximum cul de sac length allowed by the Street Design Criteria Manual. Thirdly, several of the proposed intersections do not meet the intersection spacing criteria of the Street Design Criteria Manual. Fourth, the Engineering Division has indicated concern with the sight distance at both access locations on Long View Road and is requesting that the applicant submit information that demonstrates that both proposed access locations comply with the sight distance requirements of the Street Design Criteria Manual. Fifth, the Pennington County Highway Department has indicated that no improvements for Long View Road are currently included in the Pennington County five year road plan. The addition of 235 lots utilizing Long View Road as principal access will trigger improvements to Long View Road such as deceleration lanes and right turn lanes. **As of July 15, 2002, the applicant has not submitted the requested information regarding the location of road connections from the proposed subdivision to surrounding properties, revised plans that show cul-de-sac lengths**

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that comply with the Street Design Criteria Manual, revised plans that show intersection spacing between proposed roads that complies with the Street Design Criteria Manual and information demonstrating that the proposed access location to Long View Road provides sufficient sight distance to comply with the requirements of the Street Design Criteria Manual.

Long View Road is classified as an arterial road on the adopted Major Street Plan. The Street Design Criteria Manual requires a minimum of 100 feet of right of way for arterial roads. Currently, the right of way width of Longview Drive is 66 feet. Therefore, staff is requesting that at Preliminary Plat submittal, 17 feet of additional right of way be dedicated as part of the platting of this property. Another 17 feet of right of way will be obtained when the property on the south side of Longview Drive is platted.

Site Plan: The Engineering Division has noted that topographic mapping and a site plan must be submitted identifying all existing structures, utilities, drives, and other improvements both on the subject property and along the north side of Long View Road. **As of July 15, 2002, the applicant has not submitted the requested site plan.**

Lot Layout: Staff has several concerns regarding the proposed lot layout shown on the Layout Plat. First, a number of double-frontage lots are proposed along Longview Drive. Double-frontage lots are discouraged; however, where double frontage lots are essential to provide separation of residential development from traffic arteries a planting screen easement of not less than ten feet in width must be provided on each double frontage lot. In addition, non-access easements must be provided along the Long View Road frontage of the double frontage lots and each lot must have a minimum depth of 125 feet. Second, it appears that some of the lots may be more than twice as long as they are wide which is not allowed according to the Subdivision Regulations.

Drainage Requirements: Major drainage planning and design information must be submitted by the petitioner as part of the Layout Plat. This drainage information must address the flows through the site from the north and the affects of additional runoff on downstream facilities such as the Murphy Ditch, U. S. Highway 44, Little Giant Ditch and Anderson Road. The Engineering Staff has noted that on-site storm water detention will be required and that the detention design must include outlet releases that do not exceed current downstream channel capacities. Staff has noted that the final lot layout will be directly related to an acceptable drainage plan and is requesting that further drainage information be submitted for review and approval prior to approval of the Layout Plat. A complete drainage plan will be required as part of any future Preliminary Platting. **As of July 15, 2002, the applicant has not submitted the requested drainage planning and design information.**

Future Requirements: Although not required at this time, additional information will be required upon submittal of any future Preliminary Plat applications. The required information includes: geological/geotechnical information studies; specific information regarding lot size, the inclusion of non-access easements along Longview Drive except for approved approach locations; a plan showing the location of fire hydrants that met the requirements of the Uniform Fire Code; all proposed street names must be submitted for review and approval of

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the Emergency Services Dispatch Center and complete engineering design plans and related information as specified in Section 16.20.040 of the Rapid City Municipal Code.

Phasing Plan: The applicant did not indicate on the Layout Plat a phasing plan. However, the applicant has indicated to staff that the subdivision will be developed in phases. Staff is recommending that prior to Layout Plat approval that a phasing plan be submitted for review to further clarify when road improvements such as deceleration lanes and right turn lanes will be required on Long View Road and when additional drainage improvements will be required both on-site and off-site. **As of July 15, 2002, the applicant has not submitted the requested phasing plan.**

As noted, Staff has identified numerous issues and concerns associated with this proposed Layout Plat. Many of these issues directly affect the viability of the Layout Plat and therefore Staff is recommending that the plat be continued to allow the petitioner to submit all necessary revisions.