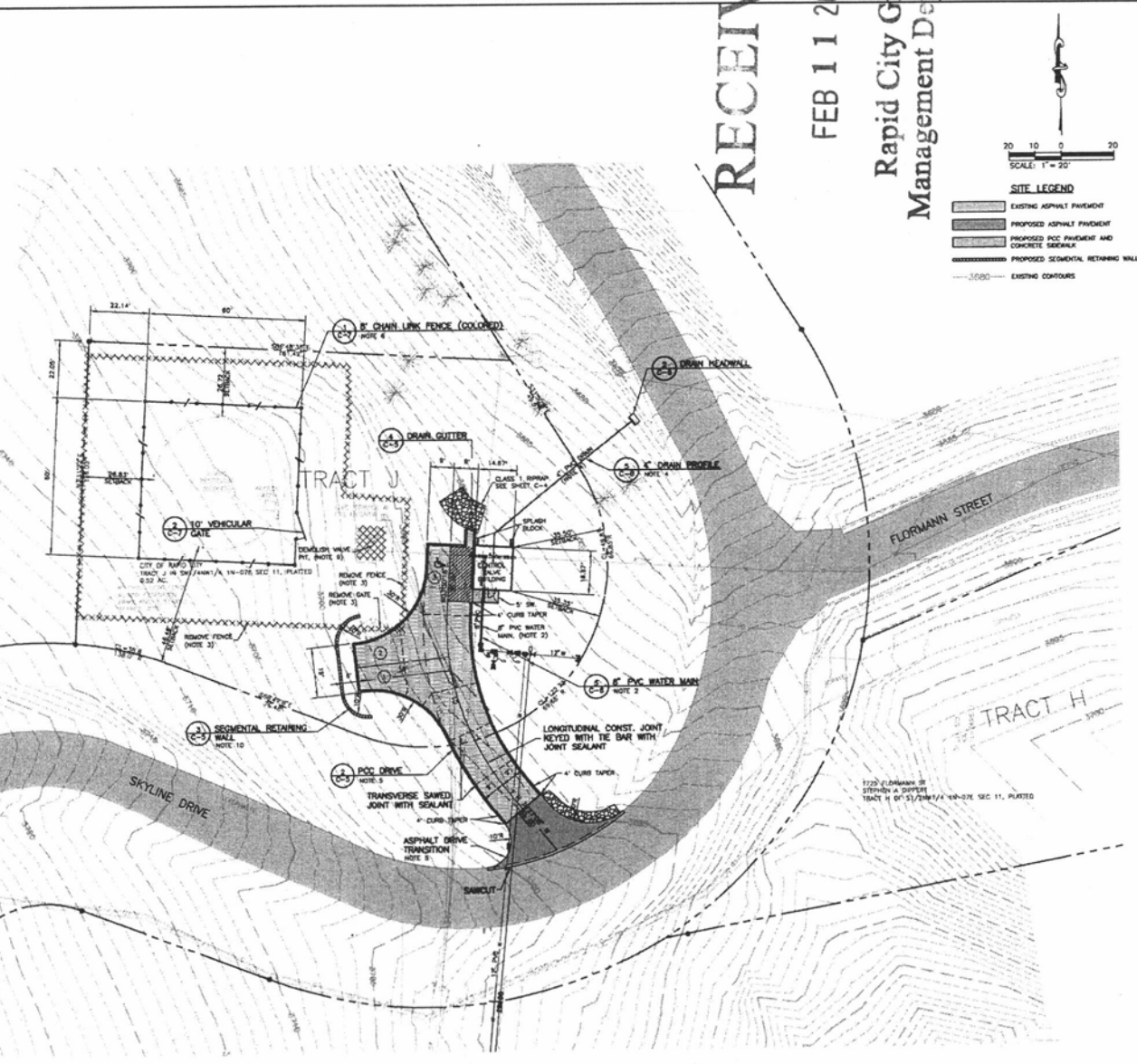


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Rapid City Growth Management Department

- SITE DEVELOPMENT NOTES**
- This drawing shows proposed building location, underground piping, pavement, fencing and relative site improvements. Refer to Plans Sheets C-3 and C-4 for site grading, landscaping and erosion controls. Refer to electrical site plan for proposed electrical service to structure. Structure shall conform with City of Rapid City Residential Building Code, 2008 Edition.
 - Construct approximately 35 LF of 8" PVC and ductile iron pipe between existing 48" dia. manhole and proposed control building. Remove existing 8" dia. 12" long pipe west side of the Transition from 8" PVC to 8" ductile iron at approximately 1' south of building line. Refer to pipe profile on sheet C-3. Install 17 1/2" side slope for detritus protection on transition channeling.
 - Remove and replace of approximately 450 LF of 4" chain link fencing at east and south sides of reservoir enclosure. Remove and replace of east footings, and topfill holes.
 - Construct approximately 72 LF of 4" Schedule 40 PVC drain pipe from control building to surface discharge at pipe discharge manhole. Refer to sheet C-5 for pipe profile and discharge manhole detail.
 - Construct PCC driveway and parking lot per typical sections on sheet C-3. Total PCC pavement area shown on plan is approximately 2700 SF, including curb. Show edge of existing asphalt pavement, approximately 20 LF, at match to existing pavement at Republic Drive and adjacent AC transition between Skyline Dr. and PCC driveway. Total area of AC transition surfacing is 862 SF. Pavement sections for PCC and AC driveway of PCC, 6" AC (Class 4-1) at appropriate base course.
 - Construct 240 LF of 4" chain link fence with 10' vehicular gate at reservoir perimeter. Chain link fabric, post and accessories shall be color coated per email and notes, black color.
 - Existing overhead power line and TV cable at control building is to remain in service. Clearance from ground to lowest conductor is 10 feet. Contractor shall exercise caution around power lines.
 - Existing 8" Rapid Reservoir water main is to remain in service during construction of control building. Refer to proposed piping plan for detailed requirements for connection new piping to existing piping at the control building and for maintenance services to existing 8" main during construction.
 - Existing concrete valve pit is to remain in service during construction of new control building. Refer to Sheet D-1 for demolition plan for valve pit after new control building is placed into service.
 - Construct segmental masonry retaining wall at parking area. Refer to grading plan for top of wall elevations and detail plan sheet C-5 for wall elevation views. Total face area of retaining walls, including buried portion and coping width is as follows:
Segmental Retaining Wall Area: 136.3 sq ft
 - For several parking spaces per references 10-10-270 to 8.5 per 1000 sq ft. (Private Utility). Total parking provision is 3,000 van parking maximum. Paint parking stalls striping, 4" wide white color. Paint handicap parking symbols (blue/white) and lettering on handicap stalls (white color).



SITE LEGEND

- EXISTING ASPHALT PAVEMENT
- PROPOSED ASPHALT PAVEMENT
- PROPOSED PCC PAVEMENT AND CONCRETE SIDEWALK
- PROPOSED SEGMENTAL RETAINING WALL
- EXISTING CONTOURS

SCALE: 1" = 20'

February 10, 2011 10:41 AM
 January 10, 2011 10:35 AM (09)
 (Main-DATA)G:\TEC\PROJECTS & PROPOSALS\09101000 - KEPPS WATERMAIN EXTENSION & CONTROL VALVE\GMM\09101000 - KEPPS WATERMAIN EXTENSION & CONTROL VALVE PLANS)

CONTROL BUILDING ACCESS ROAD ALIGNMENT DATA

DESCRIPTION	STATION	HEIGHT/DEPTH	EXISTING
TOP	+90.00	12289.848	12429.288
1/4	+88.30	12291.235	12411.577
ROAD	N/A	12335.278	12488.793
1/4	+87.68	12332.117	12386.379
BT	+83.32	12361.380	12308.890
TOP	+80.71	12387.230	12285.823

CONTROL BUILDING ACCESS ROAD CURVE DATA

PARAMETER	VALUE	CHORD BEARING	CHORD LENGTH	CHORD LENGTH
CI	4293.27	117.5821° W	100.80	124.97
				173.93

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 Engineering Division

PROJECT NO: **11PD009**
 SHEET NO: **C-2**
 SHEET TITLE: **SITE PLAN**

DESIGNER: **2780 GREGORY M. WIERENGA**
 CHECKED: **W. WIERENGA**
 DATE: **01/10/11**

Scale: **AS NOTED**
 Designed by: **RP**
 Drawn by: **RP**
 Check Date: **2-9-10**
 Date: **4/10**
 Issue Date: **09/30/10**
 Revised by: **RP**
 Review Date: **10/08**
 Date: **10/08**

CITY OF RAPID CITY PROJECT NO. 11PD-009
KEPPS RESERVOIR CONTROL VALVE STATION