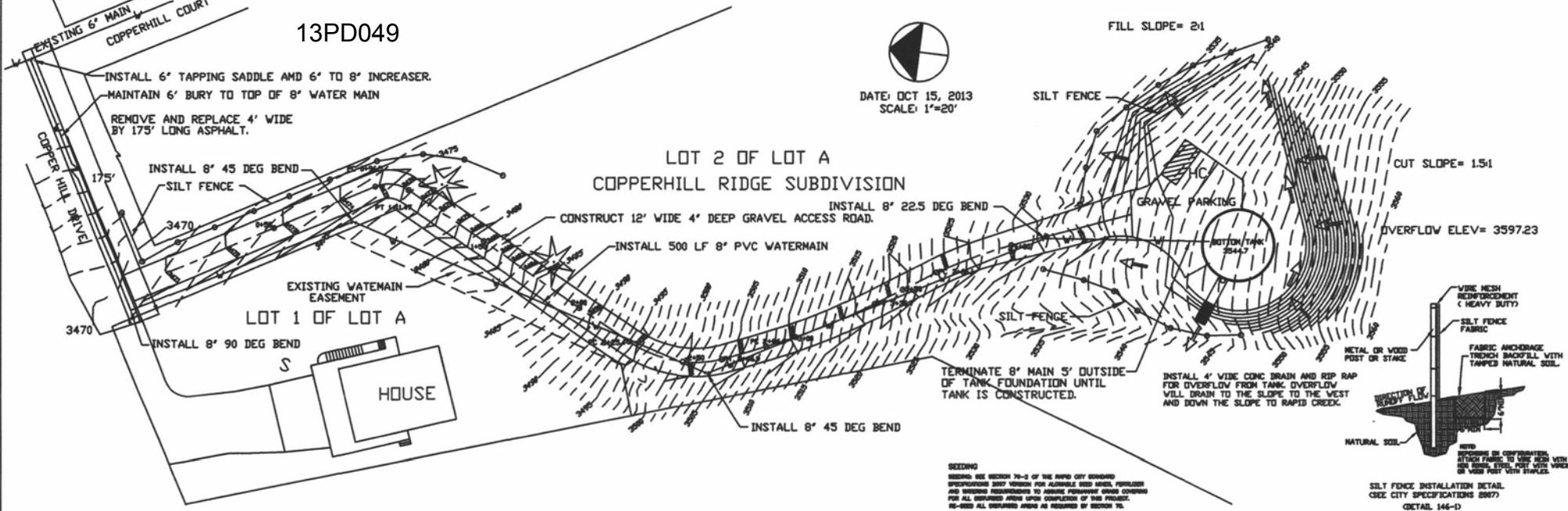
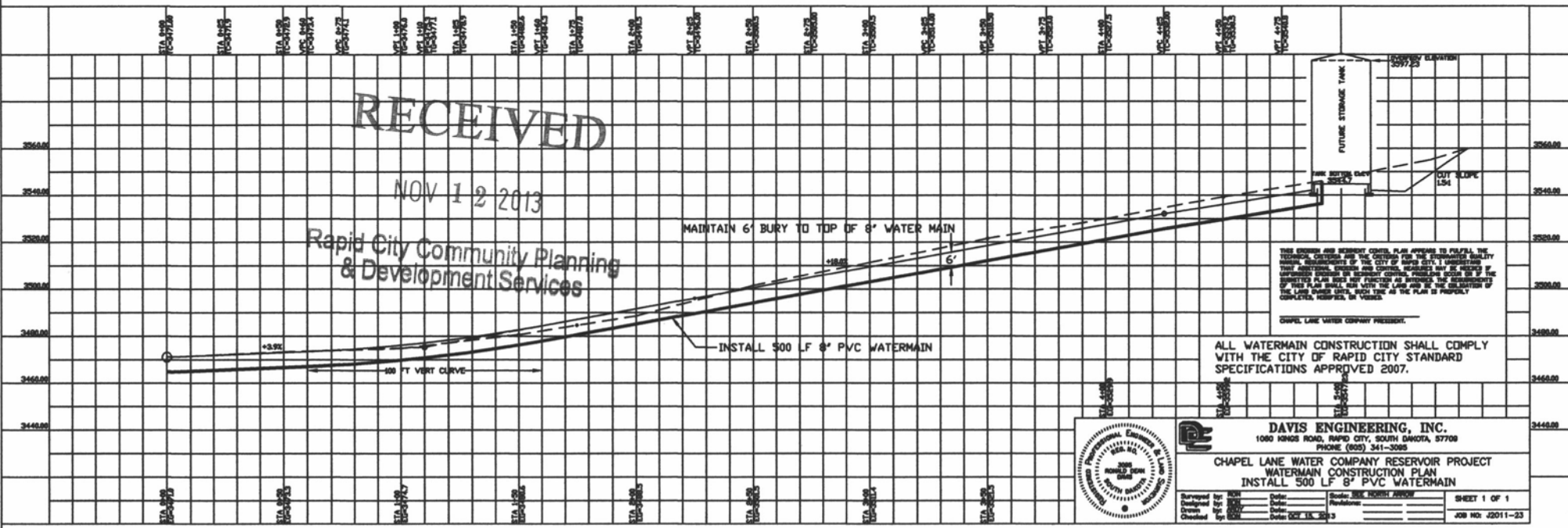
13PD049



EXISTING 6" MAIN
COPPERHILL COURT
INSTALL 6" TAPPING SADDLE AND 6" TO 8" INCREASER.
MAINTAIN 6' BURY TO TOP OF 8" WATER MAIN
REMOVE AND REPLACE 4' WIDE BY 175' LONG ASPHALT.
COPPER HILL DRIVE
175'
INSTALL 8" 45 DEG BEND
SILT FENCE
3470
3475
LOT 2 OF LOT A
COPPERHILL RIDGE SUBDIVISION
CONSTRUCT 12' WIDE 4' DEEP GRAVEL ACCESS ROAD.
INSTALL 500 LF 8" PVC WATERMAIN
EXISTING WATEMAIN EASEMENT
LOT 1 OF LOT A
INSTALL 8" 90 DEG BEND
HOUSE
INSTALL 8" 45 DEG BEND
DATE: OCT 15, 2013
SCALE: 1"=20'
FILL SLOPE= 2:1
SILT FENCE
CUT SLOPE= 1.5:1
INSTALL 8" 22.5 DEG BEND
GRAVEL PARKING
BOTTOM TANK 3544.7
OVERFLOW ELEV= 3597.23
SILT FENCE
TERMINATE 8" MAIN 5' OUTSIDE OF TANK FOUNDATION UNTIL TANK IS CONSTRUCTED.
INSTALL 4' WIDE CONC DRAIN AND RIP RAP FOR OVERFLOW FROM TANK. OVERFLOW WILL DRAIN TO THE SLOPE TO THE WEST AND DOWN THE SLOPE TO RAPID CREEK.
WIRE MESH REINFORCEMENT (HEAVY DUTY)
SILT FENCE FABRIC
METAL OR WOOD POST OR STAKE
FABRIC ANCHORAGE TRENCH BACKFILL WITH TAMPED NATURAL SOIL.
DIRECTION OF RUNOFF FLOW
NATURAL SOIL
SILT FENCE INSTALLATION DETAIL (SEE CITY SPECIFICATIONS 2007) (DETAIL 146-1)
SEEDING
SEEDING: SEE SECTION 70-2 OF THE RAPID CITY STANDARD SPECIFICATIONS 2007 VERSION FOR ALLOWABLE SEED MIXES, FERTILIZER AND WATERING REQUIREMENTS TO ASSURE PERMANENT GRASS COVERING FOR ALL DISTURBED AREAS UPON COMPLETION OF THIS PROJECT.
RE-SEED ALL DISTURBED AREAS AS REQUIRED BY SECTION 70.



RECEIVED
NOV 12 2013
Rapid City Community Planning & Development Services
FUTURE STORAGE TANK
OVERFLOW ELEVATION 3597.23
TANK BOTTOM ELEV 3544.7
CUT SLOPE 1.5:1
MAINTAIN 6' BURY TO TOP OF 8" WATER MAIN
6'
+18.0%
+3.9%
100 FT VERT CURVE
INSTALL 500 LF 8" PVC WATERMAIN
3560.00
3540.00
3520.00
3500.00
3480.00
3460.00
3440.00
THIS EROSION AND SEDIMENT CONTROL PLAN APPEARS TO FULFILL THE TECHNICAL CRITERIA AND THE CRITERIA FOR THE STORMWATER QUALITY MANUAL REQUIREMENTS OF THE CITY OF RAPID CITY. I UNDERSTAND THAT ADDITIONAL EROSION AND CONTROL MEASURES MAY BE NEEDED IF UNFORSEEN EROSION OR SEDIMENT CONTROL PROBLEMS OCCUR OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE LAND OWNER UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED, OR VOIDED.
CHAPEL LANE WATER COMPANY PRESIDENT.
ALL WATERMAIN CONSTRUCTION SHALL COMPLY WITH THE CITY OF RAPID CITY STANDARD SPECIFICATIONS APPROVED 2007.
PROFESSIONAL ENGINEER & LAND SURVEYOR
REG. NO. 3095
RONALD DEAN DAVIS
SOUTH DAKOTA
DAVIS ENGINEERING, INC.
1060 KINGS ROAD, RAPID CITY, SOUTH DAKOTA, 57709
PHONE (605) 341-3095
CHAPEL LANE WATER COMPANY RESERVOIR PROJECT
WATERMAIN CONSTRUCTION PLAN
INSTALL 500 LF 8" PVC WATERMAIN
Surveyed by: RDN Date:
Designed by: RDN Date:
Drawn by: DDT Date:
Checked by: RDN Date: OCT 15, 2013
Scale: SEE NORTH ARROW
Revisions:
SHEET 1 OF 1
JOB NO: J2011-23