

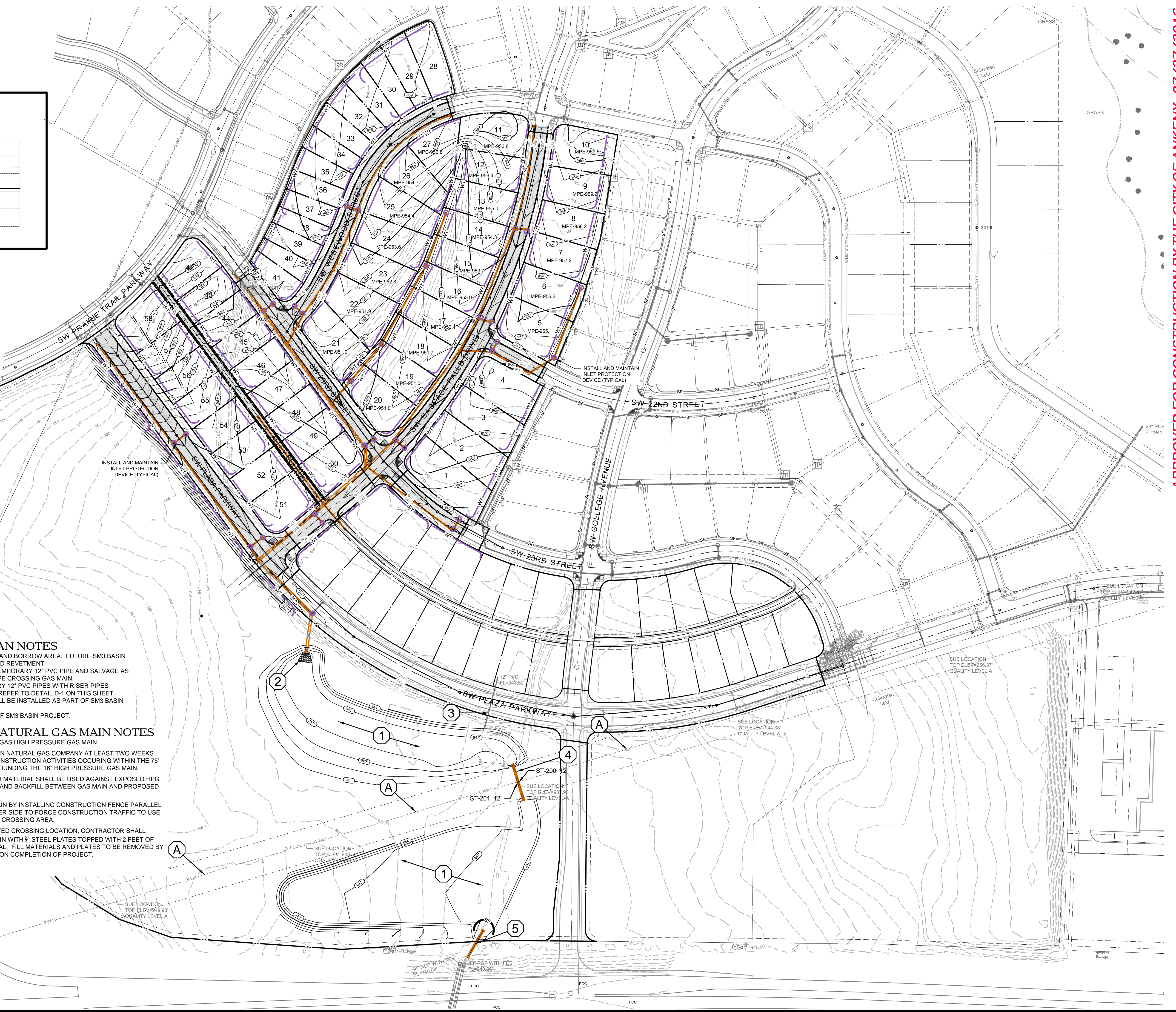
- A SURROUND INTAKE W/ 1-2" CLEAN STONE
- B HICKBOTTOM INTAKE
- C 12"x12" HOPE TEE SECTION (PLUGGED ONE SIDE)
- D 12" NON-PERFORATED PVC PIPE
- D-1 TEMPORARY RISER OUTLET STRUCTURE  
NOT TO SCALE

**GRADING PLAN NOTES**

1. TEMPORARY SWALE AND BORROW AREA. FUTURE SM3 BASIN
2. INSTALL 30TN CLASS D REVETMENT
3. REMOVE EXISTING TEMPORARY 12" PVC PIPE AND SALVAGE AS NEW TEMPORARY PIPE CROSSING GAS MAIN.
4. INSTALL 2 TEMPORARY 12" PVC PIPES WITH RISER PIPES ACROSS GAS MAIN. REFER TO DETAIL D-1 ON THIS SHEET. PERMANENT PIPE WILL BE INSTALLED AS PART OF SM3 BASIN PROJECT.
5. FUTURE PIPE PART OF SM3 BASIN PROJECT.

**NORTHERN NATURAL GAS MAIN NOTES**

- A. NORTHERN NATURAL GAS HIGH PRESSURE GAS MAIN
- A.1. NOTIFY NORTHERN NATURAL GAS COMPANY AT LEAST TWO WEEKS PRIOR TO ANY CONSTRUCTION ACTIVITIES OCCURRING WITHIN THE 75' EASEMENT SURROUNDING THE 16" HIGH PRESSURE GAS MAIN.
  - A.2. NO ROCK TRENCH MATERIAL SHALL BE USED AGAINST EXPOSED HPG MAIN. PROVIDE SAND BACKFILL BETWEEN GAS MAIN AND PROPOSED STORM SEWER.
  - A.3. PROTECT HPG MAIN BY INSTALLING CONSTRUCTION FENCE PARALLEL TO MAIN ON EITHER SIDE TO FORCE CONSTRUCTION TRAFFIC TO USE THE DESIGNATED CROSSING AREA.
  - A.4. AT THE DESIGNATED CROSSING LOCATION, CONTRACTOR SHALL PROTECT THE MAIN WITH 3/4" STEEL PLATES TOPPED WITH 2 FEET OF SOIL FILL MATERIAL. FILL MATERIALS AND PLATES TO BE REMOVED BY CONTRACTOR UPON COMPLETION OF PROJECT.



**APPROVED FOR CONSTRUCTION BY THE CITY OF ANKENY - 07/27/2016**

1250 SW STATE STREET, SUITE A  
 ANKENY, IOWA 50023-2555  
 (515) 965-0123 phone - (515) 965-3322 fax  
 Civil Engineering - Land Surveying  
 Landscape Architecture



REVISIONS PER CITY COMMENTS  
 1 07/27/2016 - REVISIONS TO STORM OUTLETS ON R.01  
 2  
 3  
 4  
 5  
 6  
 7

NOTE: NILLES ASSOCIATES, INC. WILL NOT BE RESPONSIBLE FOR ANY PROBLEMS WHICH MAY BE CAUSED BY THE FAILURE TO OBTAIN NECESSARY PERMITS FROM THE CITY OF ANKENY, IOWA, OR TO OBTAIN AND FOLLOW THE ENGINEER'S ADVICE AND INSTRUCTIONS. INCONSISTENCIES AND/OR CONFLICTS WHICH ARE ALLEGED.

PROJECT NAME: ESTATES AT PRAIRIE TRAIL PLAT 6  
 ANKENY, IOWA  
 GRADING PLAN

NAI NO.:	16065
DATE:	06/20/2016
DRAWN BY:	ADS
CHECKED BY:	JPN
SCALE:	AS NOTED
SHEET TITLE:	R.01
SHEET NO.:	26 / 27