

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.

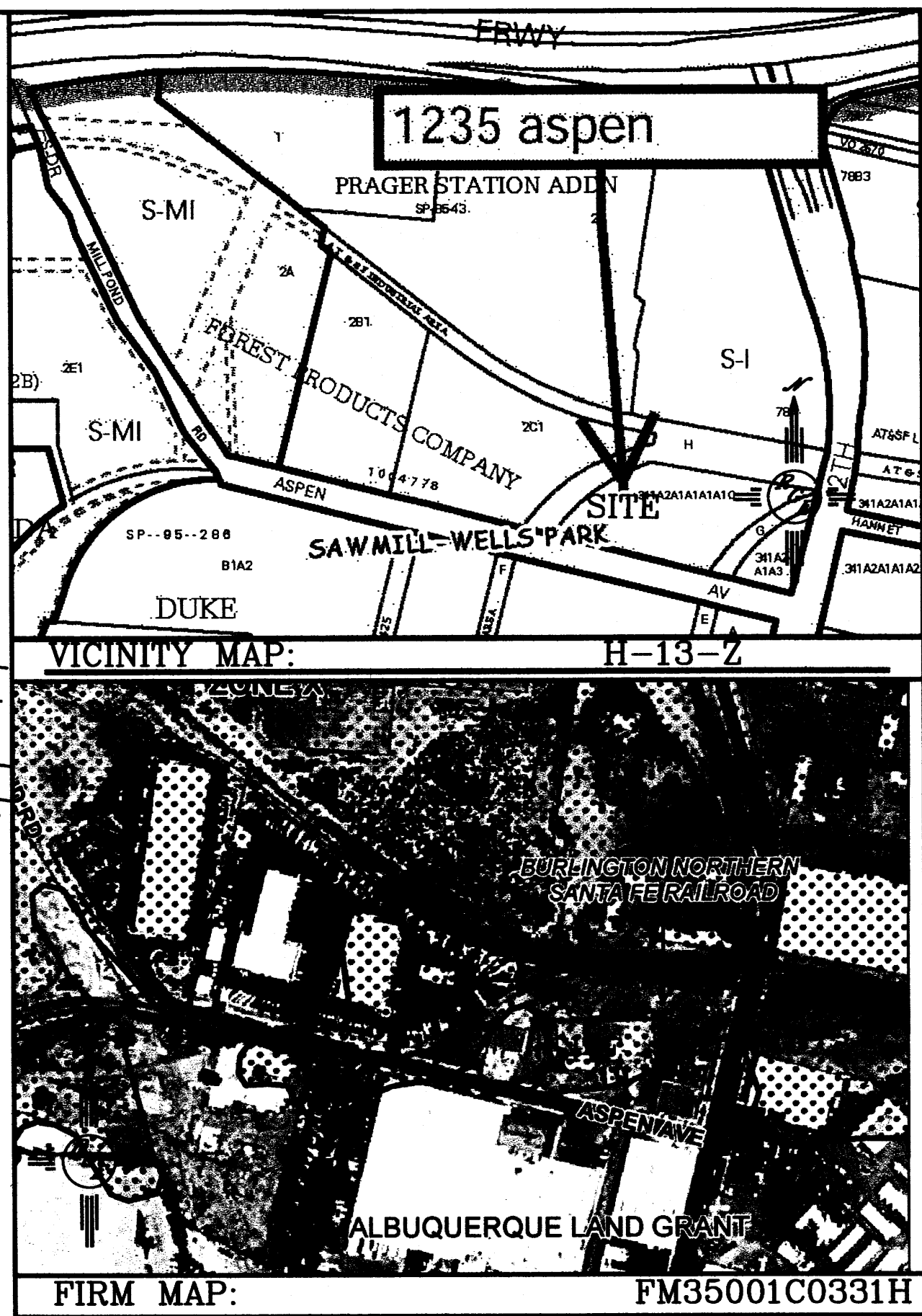
| Weighted E Method<br>PAVED AREA ONLY |           |              |               |               |               |               |                    |                |          |                |          |
|--------------------------------------|-----------|--------------|---------------|---------------|---------------|---------------|--------------------|----------------|----------|----------------|----------|
| Basin                                | Area (sf) | Area (acres) | Treatment A % | Treatment B % | Treatment C % | Treatment D % | Weighted E (ac-ft) | Volume (ac-ft) | Flow cfs | Volume (ac-ft) | Flow cfs |
| Existing                             | 6852.00   | 0.157        | 0%            | 0%            | 0.00%         | 100%          | 0.157              | 0.157          | 0.48     | 0.157          | 0.48     |
| proposed                             | 6852.00   | 0.157        | 0%            | 0%            | 0.00%         | 15%           | 0.024              | 0.134          | 1.972    | 0.028          | 0.70     |
| comparison                           | 0.00      | 0.000        | 0%            | 0%            | 0.00%         | -85%          | -0.134             | 0.134          | 0.842    | 0.011          | 0.21     |

Equations:  
Weighted E = Ea\*As + Eb\*Ab + Ec\*Ac + Ed\*Ad / (Total Area)  
Volume = Weighted D \* Total Area  
Flow = Qa \* As + Qb \* Ab + Qc \* Ac + Qd \* Ad  
Where for 100-year, 6-hour storm (zone 2)  
Ea= 0.53      Qa= 1.56  
Eb= 0.78      Qb= 2.28  
Ec= 1.13      Qc= 3.14  
Ed= 2.12      Qd= 4.7

Developed Conditions  
FLAT GRADING SCHEME  
EXISTING PROPOSED  
PONDING REQUIRED

VOLUME GENERATED  
24-hour  
0.015 AC-FT 645.23 CF  
0.021 AC-FT 927.0185 CF  
281.7885

First flush requirement 165.019 cubic feet

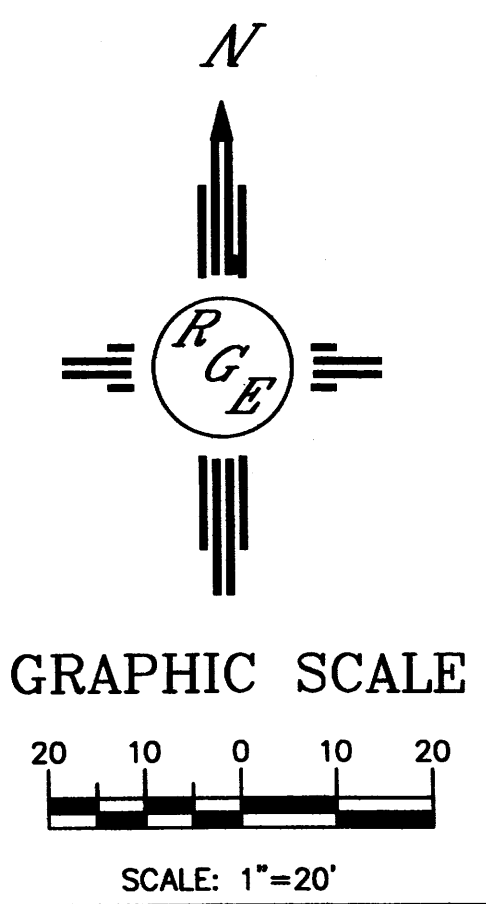


LEGAL DESCRIPTION:  
TRACT 341, SAWMILL WELLS PARK

NOTES:  
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.

- LEGEND
- 5414 --- EXISTING CONTOUR
  - 5415 --- EXISTING INDEX CONTOUR
  - 5414 --- PROPOSED CONTOUR
  - 5415 --- PROPOSED INDEX CONTOUR
  - SLOPE TIE ---
  - 4048.25 EXISTING SPOT ELEVATION
  - 4048.25 PROPOSED SPOT ELEVATION
  - BOUNDARY ---
  - CENTERLINE ---
  - RIGHT-OF-WAY ---
  - EXISTING CURB AND GUTTER ---
  - EXISTING SIDEWALK ---
  - NEW 3" AC PAVING ---

| Point Table |           |            |            |                        |
|-------------|-----------|------------|------------|------------------------|
| Point #     | Elevation | Northing   | Easting    | Description            |
| 4           | 4962.06   | 1493108.24 | 1518452.75 | 4RBC 11224             |
| 5           | 4961.83   | 1493099.08 | 1518450.44 | 5RB                    |
| 6           | 4962.31   | 1492936.30 | 1517944.28 | 3RBC 14269             |
| 7           | 4962.27   | 1493142.22 | 1517996.26 | 5RBC ILEG WASHER 14269 |
| 8           | 4962.15   | 1493163.05 | 1518073.44 | 4RB                    |
| 1054        | 4962.29   | 1493024.29 | 1518326.08 | TRCK SWITCHER          |



|                                                                             |                                                                                                                                                            |                                                                                 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| ENGINEER'S SEAL<br>DAVID SOULE<br>14522<br>REGISTERED PROFESSIONAL ENGINEER | MESA COLD STORAGE<br>GRADING AND DRAINAGE PLAN<br>Rio Grande Engineering<br>1806 CENTRAL AVENUE SE<br>SUITE 201<br>ALBUQUERQUE, NM 87106<br>(505) 872-0999 | DRAWN BY WCWJ<br>DATE 2-07-17<br>21707-LAYOUT-2-07-17<br>SHEET #<br>JOB # 21707 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|

