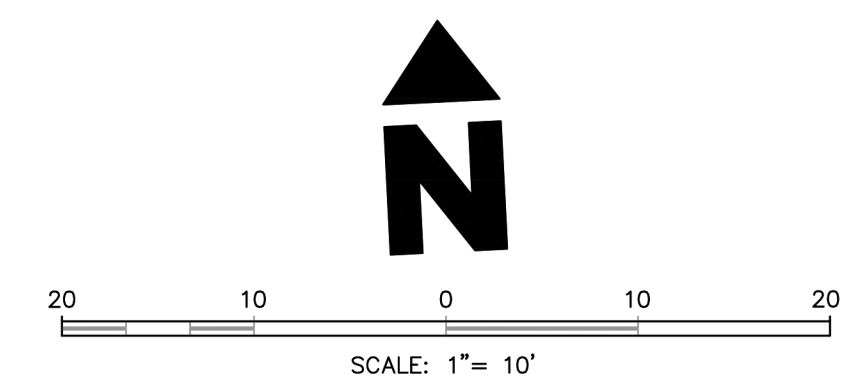
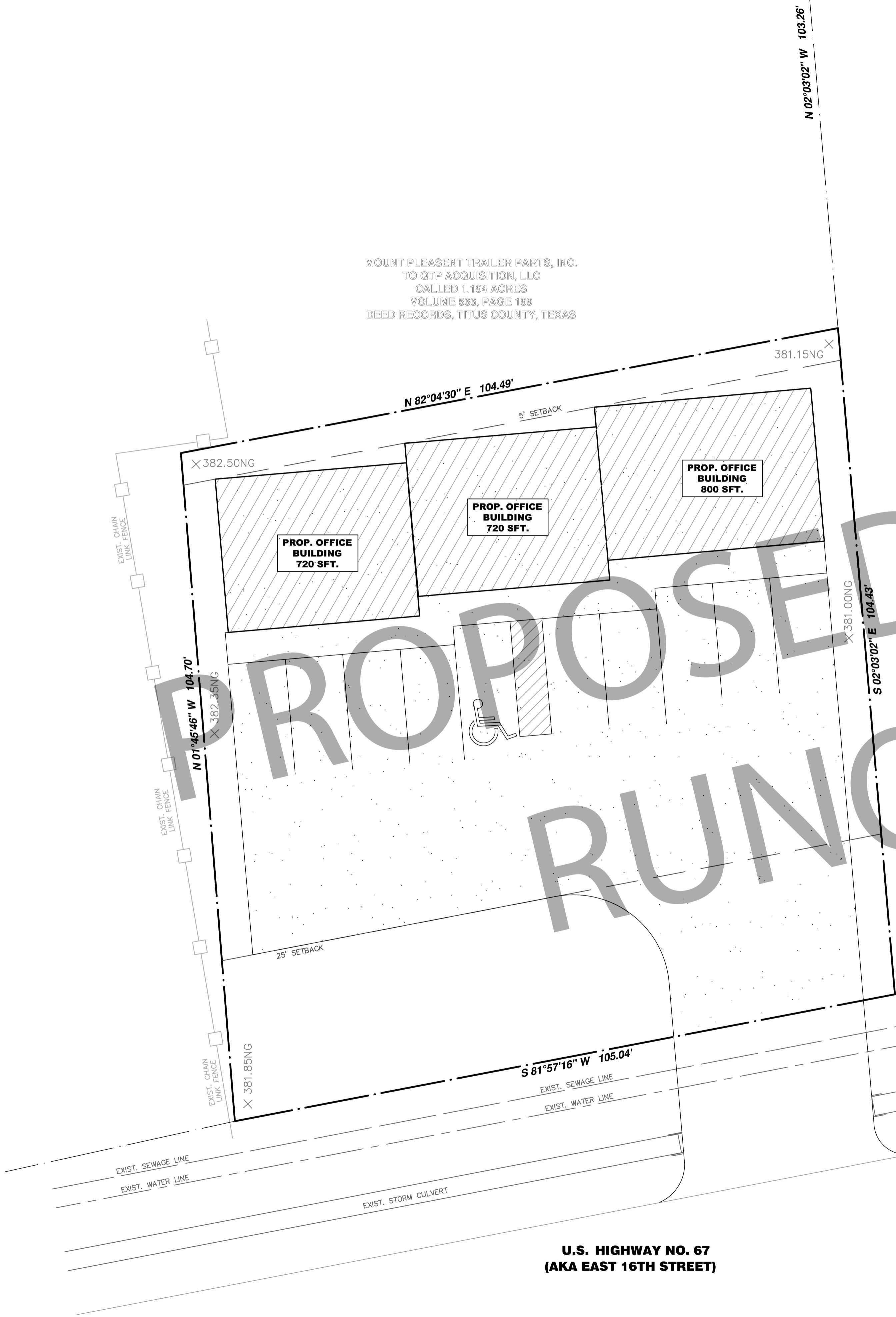


C.01



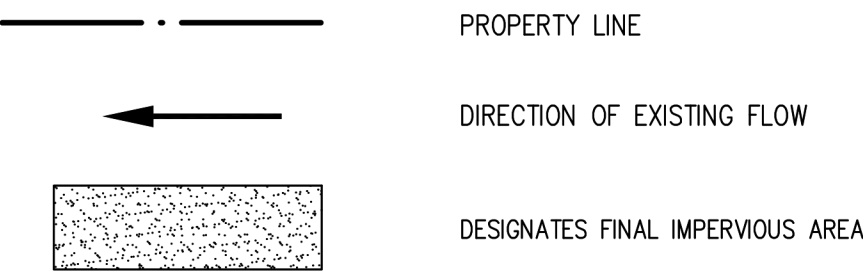




SITWORKS NOTES:

- CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF PROPOSED FACILITIES. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY 48 HOURS PRIOR TO EXCAVATING NEAR THEIR UTILITY.
- CONTRACTOR SHALL TAKE ALL DUE PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING FACILITIES INCURRED AS A RESULT OF CONSTRUCTION OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- CONTRACTOR SHALL TAKE EXTRA CARE TO PROTECT TREES IN AREAS ADJACENT TO CONSTRUCTION.
- CONTRACTOR SHALL CONFIRM NO CONFLICTS BETWEEN EXISTING AND PROPOSED DRY/WET UTILITIES IN PUBLIC R.O.W., BEFORE STARTING SITE WORK CONSTRUCTION.

LEGENDS



CONSTRUCTION NOTE:

CONTRACTOR SHALL CONFIRM NO CONFLICTS BETWEEN EXISTING AND PROPOSED DRY/WET UTILITIES IN PUBLIC R.O.W., BEFORE STARTING SITE WORK CONSTRUCTION.

CONTRACTOR SHALL HYDROMULCH ALL NEWLY GRADED AREAS AND EXPOSED SOILS UPON PAVING COMPLETION.

EXCESS SOIL MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR & IS TO BE DISPOSED OFFSITE RESPONSIBLY AT NO SEPARATE PAY.

IMPERVIOUS COVER ANALYSIS:

|                                |                                |
|--------------------------------|--------------------------------|
| TOTAL SITE AREA                | = 10,890 S.F.                  |
| IMPROVEMENT TYPE               | AREA OF FINAL IMPERVIOUS COVER |
| PROPOSED BUILDING              | 2,240 S.F.                     |
| PROPOSED PARKING LOT           | 5,250 S.F.                     |
| TOTAL AREA                     | 7,490 S.F.                     |
| TOTAL FINAL IMPERVIOUS COVER   | = 7,490 S.F.                   |
| PERCENTAGE OF IMPERVIOUS COVER | = 69.00%                       |

DETENTION SERVICE AREAS - PROPOSED CONDITION PEAK RUNOFF CALCULATIONS

The Intensity, Duration, Frequency Factors are based on NOAA Atlas 14

Time of Concentration Calculations

|                            |   |                                                |
|----------------------------|---|------------------------------------------------|
| $T_{c1}$                   | = | Sheet flow time over paved area                |
| $T_{c1} = \frac{D_f}{60V}$ |   |                                                |
| $D_f$                      | = | 115 Flow Distance (ft)                         |
| $S$                        | = | 0.01 Shallow concentrated slope (ft/ft)        |
| $V$                        | = | 2.03 Shallow concentrated flow velocity (ft/s) |
| $T_{c2}$                   | = | 0.94 minutes                                   |
| $T_c$                      | = | 0.94 minutes                                   |
| $T_{c \text{ used}}$       | = | 10 minutes                                     |

Peak Runoff Calculations

|                    |   |                       |
|--------------------|---|-----------------------|
| $T_c$              | = | 10 minutes            |
| $A$                | = | 0.25 acre             |
| $C_w$              | = | 0.75                  |
| $Q$                | = | $C \times I \times A$ |
| <b>2-Yr IDF</b>    |   |                       |
| $I(2\text{-Yr})$   | = | 4.86                  |
| $Q(2\text{-Yr})$   | = | 0.91 cfs              |
| <b>10-Yr IDF</b>   |   |                       |
| $I(10\text{-Yr})$  | = | 6.64                  |
| $Q(10\text{-Yr})$  | = | 1.24 cfs              |
| <b>100-Yr IDF</b>  |   |                       |
| $I(100\text{-Yr})$ | = | 9.43                  |
| $Q(100\text{-Yr})$ | = | 1.76 cfs              |

Cw Calculations

|                                     |   |      |              |
|-------------------------------------|---|------|--------------|
| Total Area                          | = | 0.25 | acre         |
| Pervious Area                       | = | 0.07 | acre         |
| Impervious Area                     | = | 0.18 | acre         |
| $C$                                 | = | 0.9  | (impervious) |
| $C$                                 | = | 0.35 | (pervious)   |
| $C_w$ = Weighted Runoff Coefficient |   |      |              |
| $C_w$                               | = | 0.75 |              |

Percent Impervious = 72 %

PROPOSED OFFICE BUILDING

703 E 16TH STREET  
MOUNT PLEASANT, TEXAS 75455

PROPOSED  
CONDITION  
RUNOFF PLAN

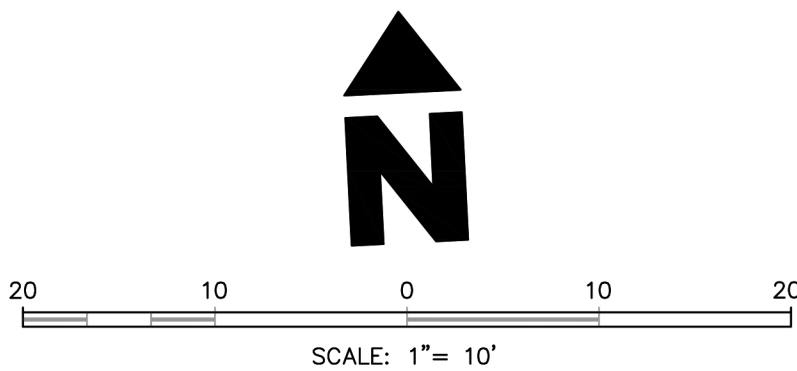
DESIGNED BY:

DWN BY:

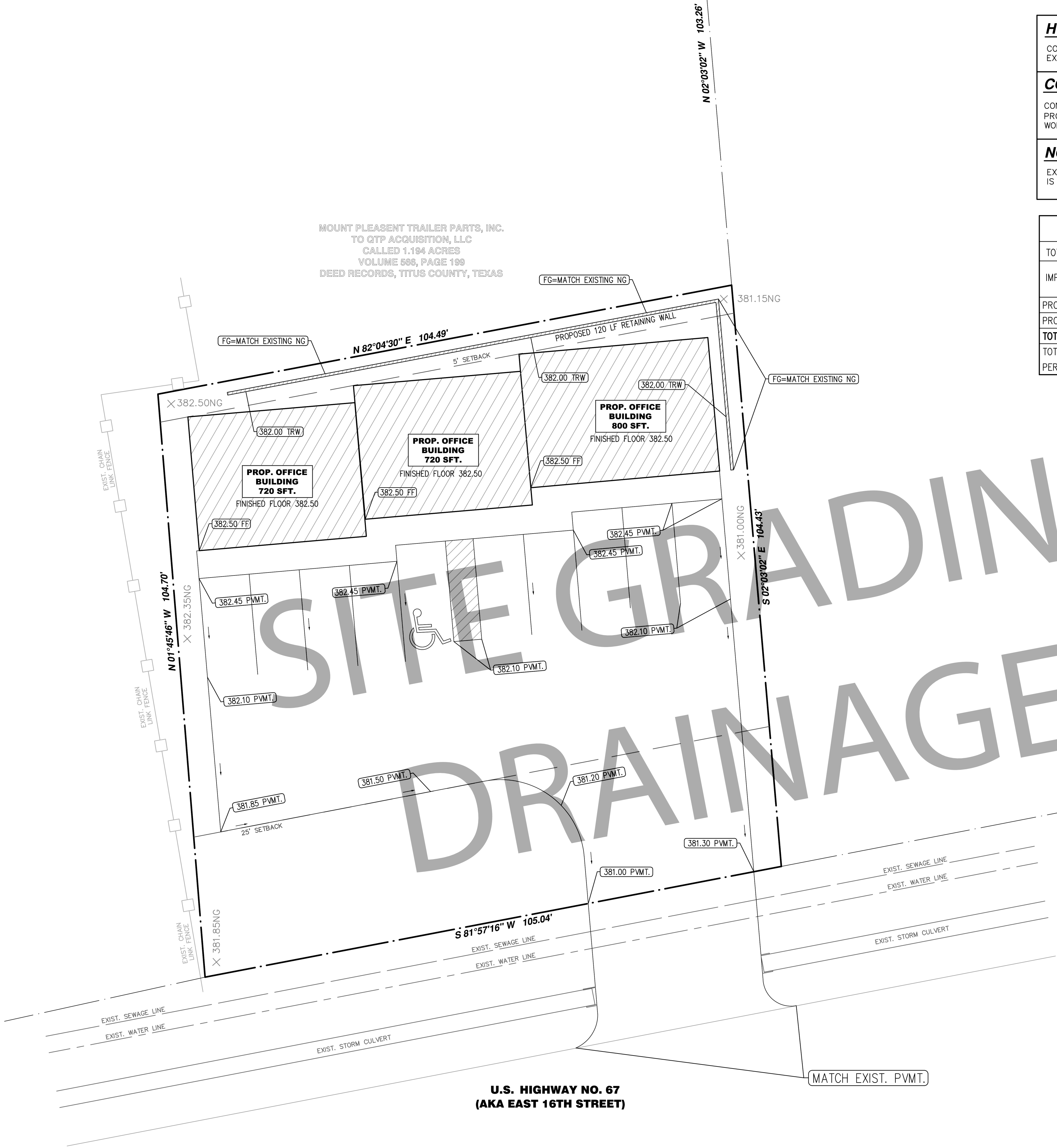
CHK BY:

SHEET  
REFERENCE:

C.02







**HYDROMULCH NOTE:**  
CONTRACTOR SHALL HYDROMULCH ALL NEWLY GRADED AREAS AND EXPOSED SOILS UPON PAVING COMPLETION.

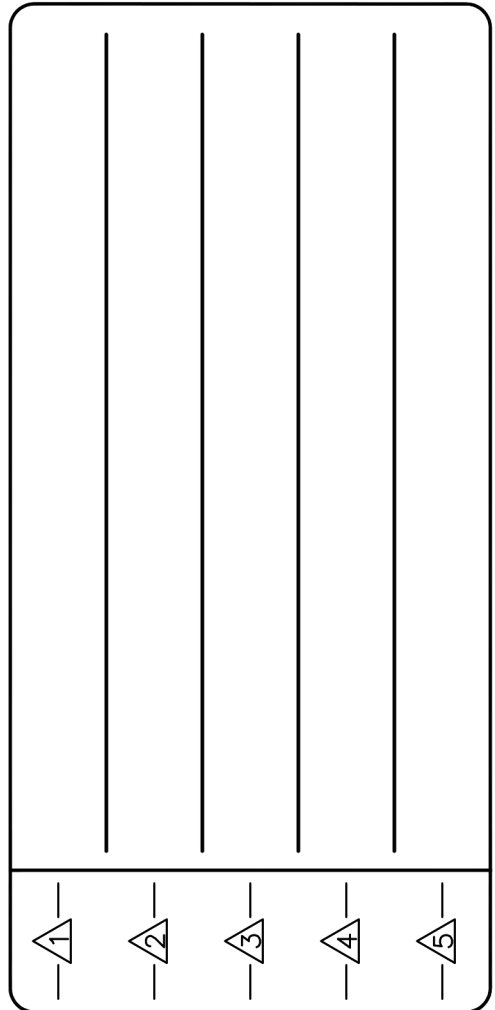
**CONSTRUCTION NOTE:**  
CONTRACTOR SHALL CONFIRM NO CONFLICTS BETWEEN EXISTING AND PROPOSED DRY/WET UTILITIES IN PUBLIC R.O.W., BEFORE STARTING SITE WORK CONSTRUCTION.

**NOTE:**  
EXCESS SOIL MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR & IS TO BE DISPOSED OFFSITE RESPONSIBLY AT NO SEPARATE PAY.

| IMPERVIOUS COVER ANALYSIS:     |                                |
|--------------------------------|--------------------------------|
| TOTAL SITE AREA                | = 10,890 S.F.                  |
| IMPROVEMENT TYPE               | AREA OF FINAL IMPERVIOUS COVER |
| PROPOSED BUILDING              | 2,240 S.F.                     |
| PROPOSED PARKING LOT           | 5,250 S.F.                     |
| TOTAL AREA                     | 7,490 S.F.                     |
| TOTAL FINAL IMPERVIOUS COVER   | = 7,490 S.F.                   |
| PERCENTAGE OF IMPERVIOUS COVER | = 69.00%                       |

- LEGEND**
- PROPERTY LINE
  - HIGH POINT (H.P.)
  - DIRECTION OF FLOW
  - PROPOSED FINISHED FLOOR ELEVATION
  - PROPOSED PAVEMENT ELEVATION
  - PROPOSED SIDEWALK ELEVATION
  - PROPOSED TOP OF RETAINING ELEVATION

- SITEWORKS NOTES:**
- CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF PROPOSED FACILITIES. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
  - CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY 48 HOURS PRIOR TO EXCAVATING NEAR THEIR UTILITY.
  - CONTRACTOR SHALL TAKE ALL DUE PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING FACILITIES INCURRED AS A RESULT OF CONSTRUCTION OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
  - CONTRACTOR SHALL TAKE EXTRA CARE TO PROTECT TREES IN AREAS ADJACENT TO CONSTRUCTION.
  - CONTRACTOR SHALL CONFIRM NO CONFLICTS BETWEEN EXISTING AND PROPOSED DRY/WET UTILITIES IN PUBLIC R.O.W., BEFORE STARTING SITE WORK CONSTRUCTION.



DESIGNED BY: \_\_\_\_\_

DWN BY: \_\_\_\_\_

CHK BY: \_\_\_\_\_

PROPOSED OFFICE BUILDING

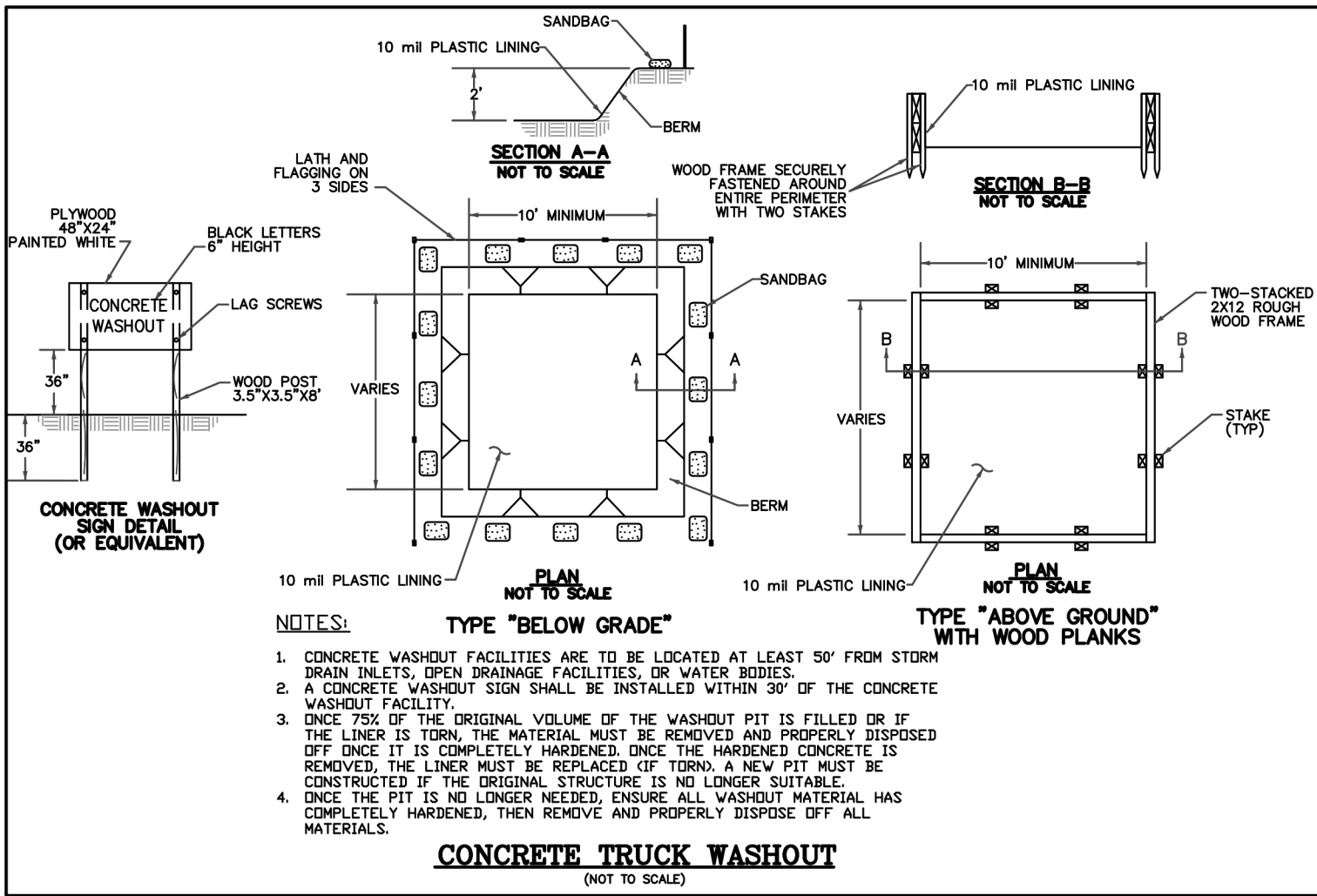
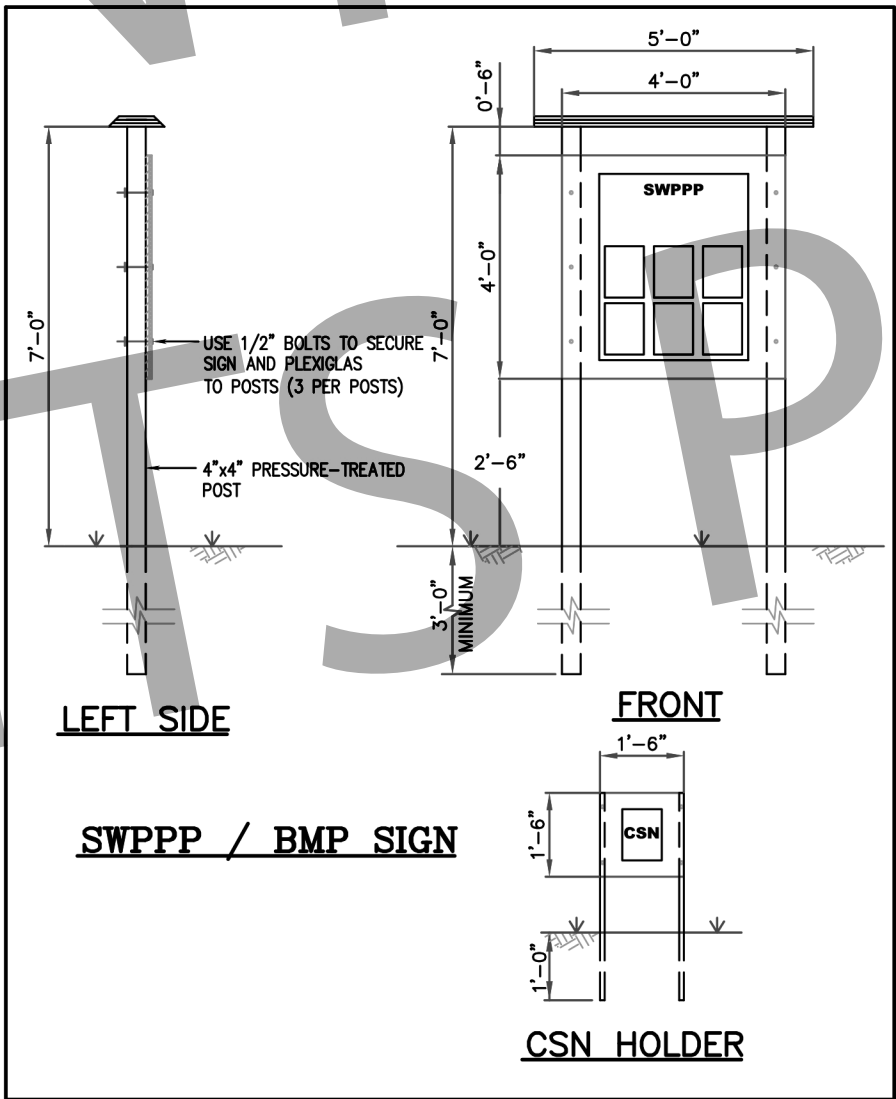
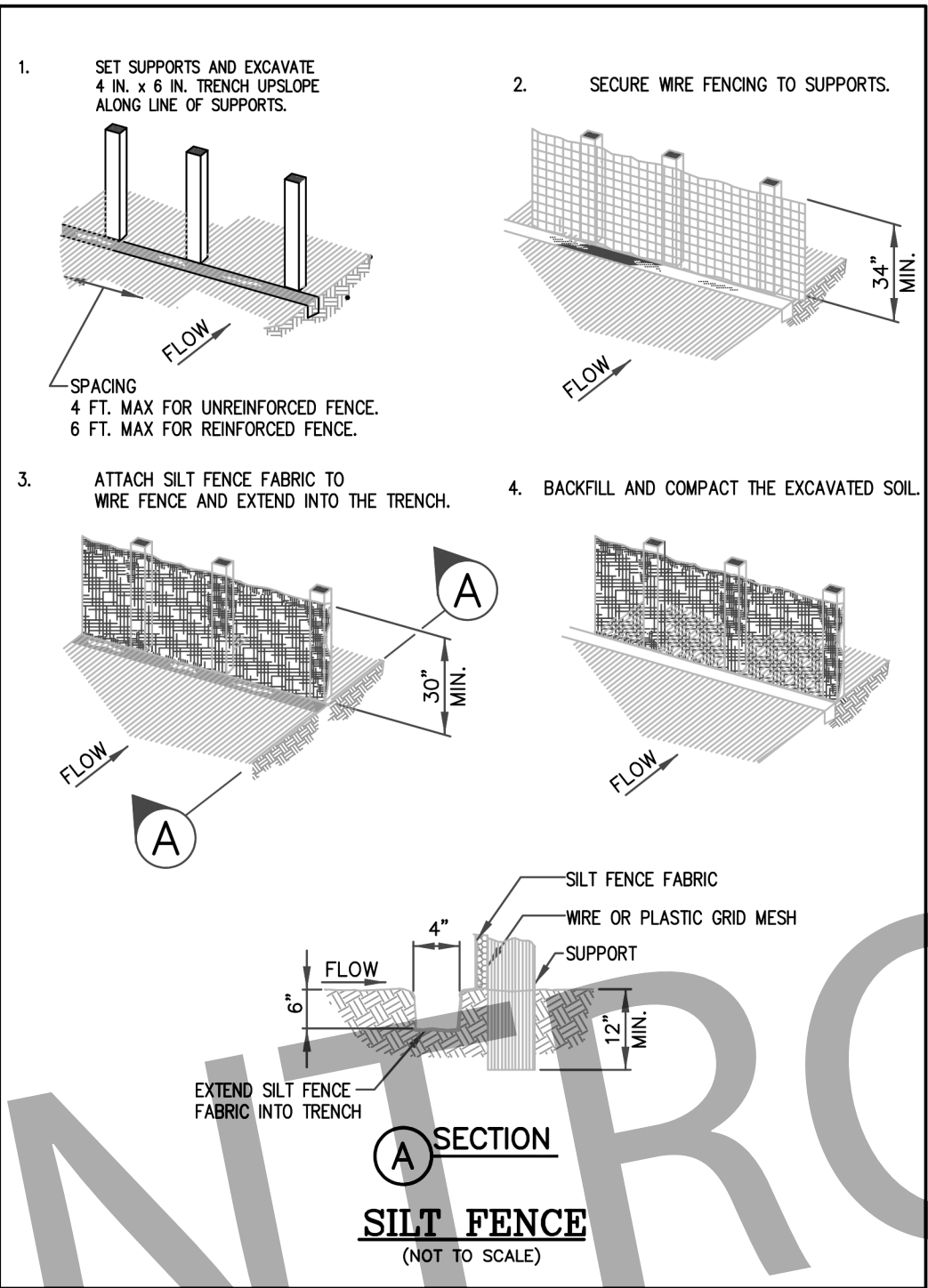
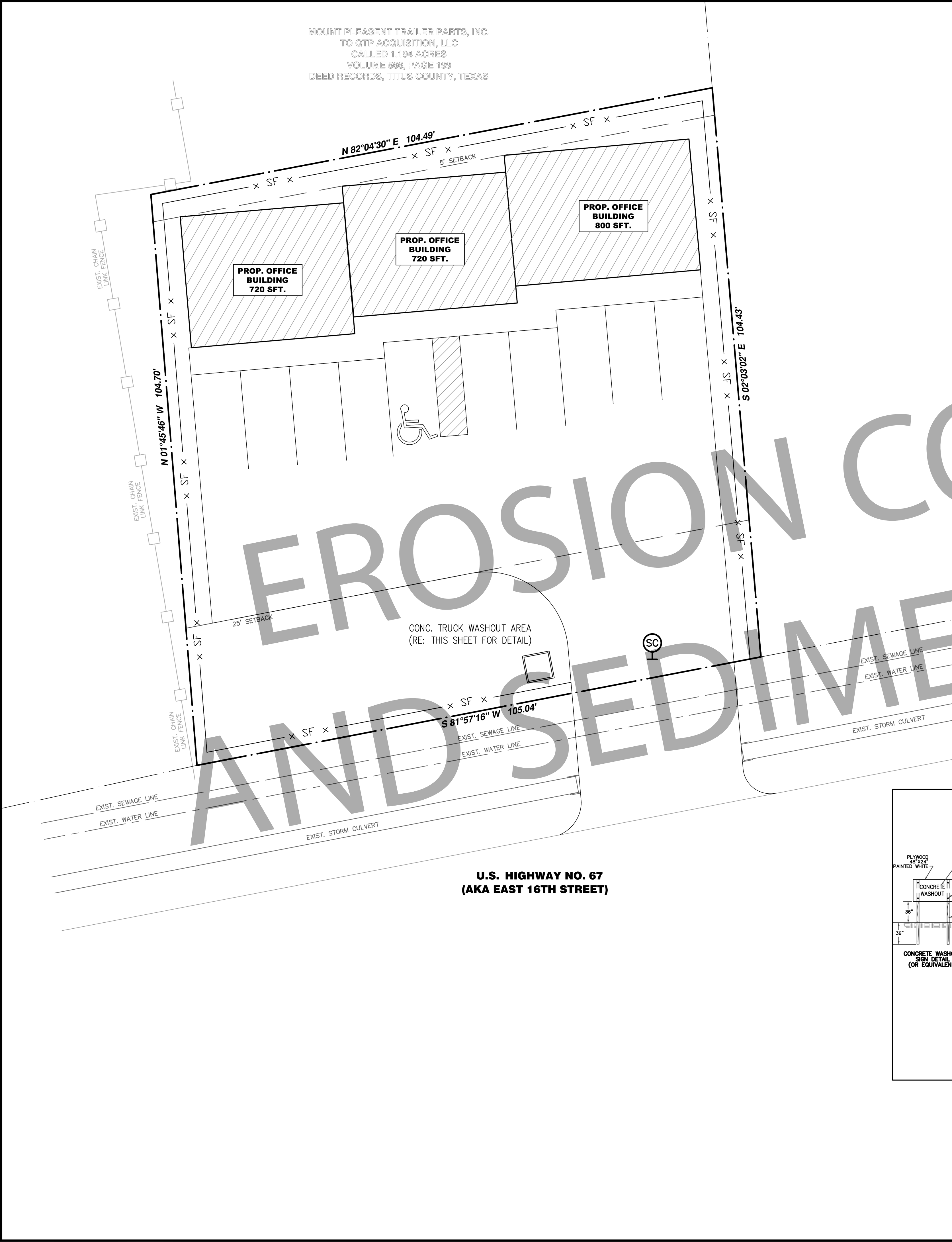
703 E 16TH STREET  
MOUNT PLEASANT, TEXAS 75455

SITE GRADING AND DRAINAGE PLAN

SHEET REFERENCE:

C.03





**STORM WATER POLLUTION PREVENTION NOTES**

- SEDIMENT WILL BE RETAINED ON SITE TO THE MAXIMUM EXTENT PRACTICABLE.
- CONTROL MEASURE WILL BE PROPERLY SELECTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND GOOD ENGINEERING PRACTICE. IF DAMAGED OR RENDERED INEFFECTIVE, THE EROSION AND SEDIMENT CONTROLS WILL BE REPAIRED OR REPLACED IMMEDIATELY.
- WHEN PUMPING (DEWATERING) STANDING STORM WATER FROM THE SITE, THE OPERATOR SHALL USE APPROPRIATE BEST MANAGEMENT PRACTICES (BMP'S) FROM THE STORM WATER MANAGEMENT HANDBOOK FOR CONSTRUCTION ACTIVITIES THAT ADDRESS DEWATERING ACTIVITIES. UNTREATED/DIRECT DISCHARGE INTO A STORM SEWER WILL NOT BE ALLOWED.
- IF THE INTERIM PERIOD BETWEEN CONSTRUCTION OF UTILITIES AND STREET CONSTRUCTION WILL BE MORE THEN 21 DAYS, THE STREET RIGHT-OF-WAY WILL BE MULCHED OR OTHERWISE STABILIZED WITHIN THE 14 DAYS.
- AFTER PAVING COMPLETION, NEWLY GRADED AREAS AND ALL EXPOSED SOILS WILL BE COMPLETELY STABILIZED.
- CONTROL MEASURES WILL BE INSTALLED ALONG BACK OF CURB TO ADEQUATELY PREVENT SEDIMENT RUNOFF INTO STREETS ONCE PAVING COMPLETE.
- CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE, UNLESS THEY ARE USING A PROPERLY DESIGNED AND DESIGNATED CONCRETE WASHOUT AREA.
- EROSION AND SEDIMENT CONTROL MEASURES THAT HAVE BEEN IMPROPERLY INSTALLED OR HAVE BEEN DISABLED, RUN-OVER, REMOVED, OR OTHERWISE RENDERED INEFFECTIVE MUST BE REPLACED OR CORRECTED IMMEDIATELY.
- MAINTENANCE AND REPAIRS WILL BE CONDUCTED WITHIN 24 HOURS OF INSPECTION REPORT.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE FILTER FABRIC FENCE WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE.
- SEDIMENT WILL BE REMOVED AROUND THE INLET BARRIERS AND DIKES WHEN THE STORAGE CAPACITY HAS BEEN APPROXIMATELY 50% FILLED.
- INSPECTIONS OF ALL BMP'S WILL BE CONDUCTED EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER; OR EVERY 7 CALENDAR DAYS.
- EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLANS WILL BE INSPECTED TO INSURE EFFECTIVE OPERATION.
- THE SWPPP WILL BE AMENDED TO REPLACE INEFFECTIVE BMPS IDENTIFIED THROUGH INSPECTIONS WITHIN 7 DAYS OF IDENTIFYING THE DEFICIENCY.
- REPORTS WILL INCLUDE WHAT MAINTENANCE WAS DONE AS A RESULT OF THE INSPECTION.
- ALL LITTER, TRASH AND FLOATABLE DEBRIS WILL BE CONTAINED WITHIN THE SITE.

**EXISTING UTILITIES, FACILITIES & TREES**

- CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF PROPOSED FACILITIES. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY 48 HOURS PRIOR TO EXCAVATING NEAR THEIR UTILITY.
- CONTRACTOR SHALL TAKE ALL DUE PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING FACILITIES INCURRED AS A RESULT OF CONSTRUCTION OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- CONTRACTOR SHALL TAKE EXTRA CARE TO PROTECT TREES IN AREAS ADJACENT TO CONSTRUCTION.

**LEGEND**

- PROPERTY LINE
- STABILIZED CONSTRUCTION ACCESS
- DESIGNATES SILT FENCE

