



- LEGEND**
- PROPERTY BOUNDARY
 - - - PROPERTY/LOT LINE
 - - - EXISTING ROW LINE
 - - - PROPOSED ROW LINE
 - - - PROPERTY/SECTION LINE
 - - - VACATION LINE
 - MAJOR CONTOUR
 - MINOR CONTOUR
 - DRAINAGE FLOW ARROWS
 - - - RIDGE LINE

DRAINAGE NOTE:

PROPOSED IMPROVEMENTS FOR THE "NOMAR PUBLIC MARKET, PLANNED UNIT DEVELOPMENT" DO NOT RESULT IN A MEASURABLE INCREASE OF PERVIOUS AREA OR RUNOFF. SITE DRAINAGE IS CONVEYED TO THE PUBLIC SYSTEM VIA INLETS SURFACE FLOW AND CURB AND GUTTERS.

ALL DRAINAGE IMPROVEMENTS WILL BE CONSTRUCTED AS PART OF THE 21ST STREET ROADWAY STREET IMPROVEMENTS. ALL FLOWS WERE CALCULATED, WITH THE RATIONAL FORMULA. THE DESIGN STORM WAS CONTROLLED BY THE BURY DEPTH REQUIRED BY THE PROPOSED 30" PIPE UNDER THE RAILROAD TRACKS, WHICH ONLY ALLOWS A 50% STORM IN. ANY GREATER STORMS WILL SPILL INTO THE DITCHES ADJACENT TO THE RAILROAD TRACKS.

THE TOTAL SITE AREA IS 48184 S.F. AND IS 96% IMPERVIOUS.

- DRAINAGE STRUCTURE NOTES:**
- (B1A) 2' X 4' COW DROP INLET W/ PEDESTRIAN FRIENDLY GRATE
 E OUT (SE) ELEV: 121.50 (22.0' 15" RCP @ 5.04%)
 E IN TOP : 125.10
 - (B1B) 10' PUBLIC STORM SEWER INLET
 E OUT (S) ELEV: 122.50 (47.0' 18" RCP @ 4.50%)
 - (B1) 10' PUBLIC STORM SEWER INLET
 E OUT (S) ELEV: 120.23 (75.5' 22" X 13 1/2" RCAP @ 0.50%)
 E IN (NE) ELEV: 120.40
 E IN (NW) ELV: 120.40
 - (B2A) 2' X 4' COW DROP INLET W/ PEDESTRIAN FRIENDLY GRATE
 E OUT (NE) ELEV: 120.30 (30.0' 18" RCP @ 1.0%)
 E IN TOP : 126.20
 - (B2) 10' PUBLIC STORM SEWER INLET
 E OUT (E) ELEV: 119.80 (87.0' 24" RCP @ 0.46%)
 E IN (N) ELEV: 119.85
 E IN (W) ELV: 120.00

- DRAINAGE AREA NOTES**
- (B1A) C = 0.95
 Tc = 5 MIN
 I = 5.64 IN/HR
 A = 0.168 AC
 Q = 0.90 CFS
 - (B1B) C = 0.95
 Tc = 5 MIN
 I = 5.64 IN/HR
 A = 1.46 AC
 Q = 7.82 CFS
 - (B1) C = 0.95
 Tc = 5 MIN
 I = 5.64 IN/HR
 A = 0.473 AC
 Q = 2.54 CFS
 - (B2A) C = 0.95
 Tc = 5 MIN
 I = 5.64 IN/HR
 A = 0.416 AC
 Q = 2.23 CFS
 - (B2) C = 0.95
 Tc = 13 MIN
 I = 4.03 IN/HR
 A = 2.210 AC
 Q = 8.48 CFS



**DRAINAGE PLAN
 NOMAR PUBLIC MARKET (PUD)
 PRELIMINARY PLAT**

SLADE ENGSTROM P.E.
 SENGSTROM@TRANSYSTEMS.COM
 PHONE: 316-303-3000
 245 N. WACO
 STE. 222
 WICHITA, KS 67202

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