

Zone:
Zone 2
Developed Basins

Basin	Basin Area			Treatments								100-Year	
	Area (sf)	Area (acres)	Area (sq miles)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs			
Loves	292,169.0	6.71	0.010	0%	0.00	25%	1.68	0%	0.00	75%	5.03	1.948	1.089 25.79
Total	292,169.0	6.707	0.01048	0.00		1.677	0.000	5.030				1.989	25.79

Equations:

Weighted E = Ea**A*a + Eb**A*b + Ec**A*c + Ed**A*d / (Total Area)
Volume = Weighted E * Total Area
Flow = Qa * *A*a + Qb * *A*b + Qc * *A*c + Qd * *A*d

 $V_{10DAY} = V_{BASE} * A_{DI} * (P_{10DAY} - P_{BASE})^{1/2}$ INFT
 $P_{10DAY} = 3.67$ IN
 $P_{BASE} = 2.20$ IN

LOVE'S POND 100YR,24HR 47,417 CU.FT.
100YR, 10DAY 74,260 CU.FT.

DRAINAGE NARRATIVE:

THE PROPOSED LOVE'S TRAVEL CENTER IS TO BE CONSTRUCTED ON THE NORTHERN 6.71 ACRES OF THE EXISTING TERMINAL FUELING FACILITY. THE SITE IS CURRENTLY DEVELOPED WITH EXISTING BUILDINGS, PAVING AND ABOVE GROUND FUEL STORAGE TANKS. THE SITE CURRENTLY GENERALLY DRAINS FROM EAST TO WEST WITH SOME ONSITE PONDING AND SOME RUNOFF ENTERING THE BROADWAY BOULEVARD RIGHT OF WAY. THE EXISTING FACILITIES WITHIN THE NORTHERN 6.71 ACRES WILL BE REMOVED AND THE NEW LOVE'S CONSTRUCTED WITH AUTO AND TRUCK FUELING AREAS, A C-STORE, A CAT SCALE, AND ASSOCIATED PARKING FIELDS. DRAINAGE FROM THE PROPOSED DEVELOPMENT WILL BE CONVEYED TO A PROPOSED RETENTION POND LOCATED IN THE NORTHWEST CORNER OF THE SITE. THE POND WILL HAVE THE CAPACITY TO RETAIN THE 100-YEAR, 10-DAY STORM VOLUME.

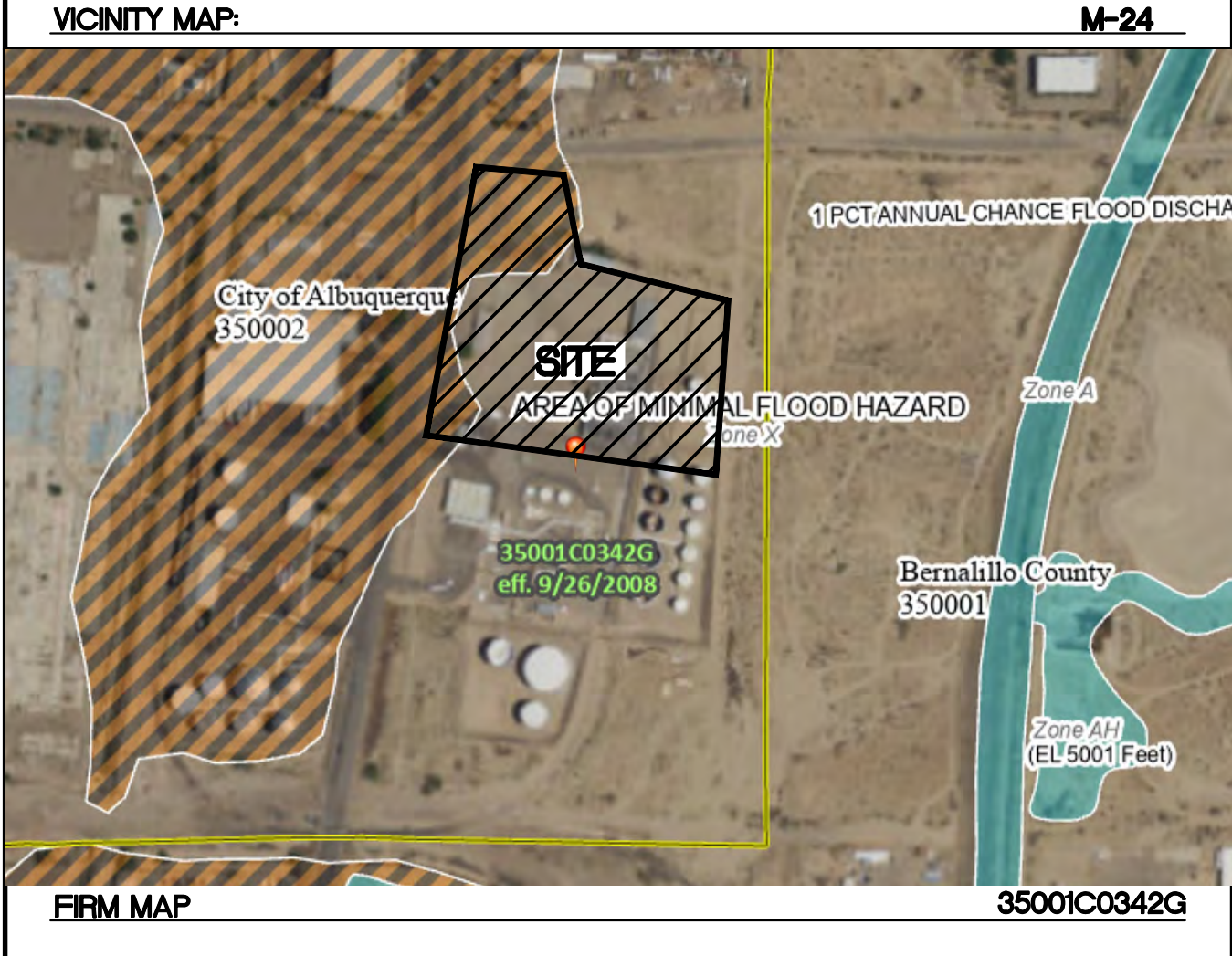
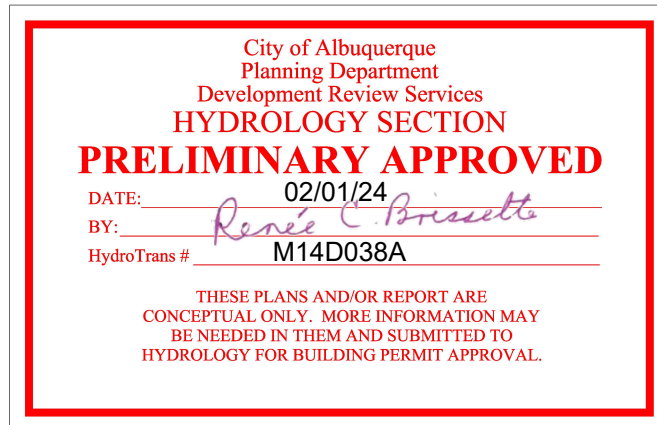
DRAINAGE ON THE EXISTING TERMINAL FUELING FACILITY SOUTH OF THE LOVE'S TRAVEL CENTER DEVELOPMENT WILL REMAIN AS IT CURRENTLY EXISTS.

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

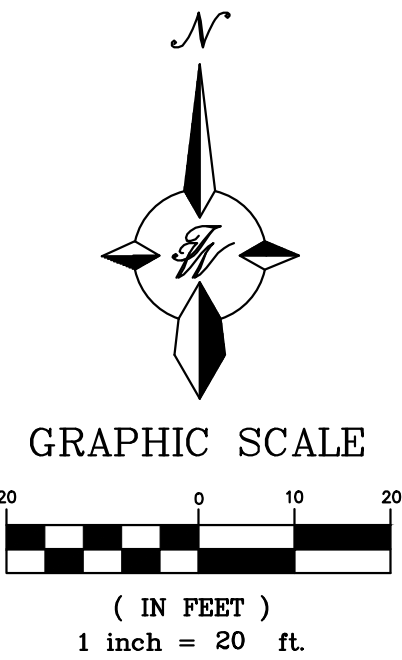
EROSION CONTROL NOTES:

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 (CITY) ACCEPTANCE OF ANY PROJECT.
6. ALL SLOPES NOT STABILIZED AT THE END OF THE PROJECT SHALL BE STABILIZED IN ACCORDANCE WITH COA SPECS OR $\frac{3}{4}$ " GRAVEL.



LEGEND

- CURB & GUTTER
- - - BOUNDARY LINE
- RIGHT-OF-WAY
- BUILDING
- SIDEWALK
- 5010 — CONTOUR MAJOR
- 5011 — CONTOUR MINOR
- x 5048.25 SPOT ELEVATION
- FLOW ARROW
- - - EXISTING CURB & GUTTER
- - - EXISTING BOUNDARY LINE
- 5010 — EXISTING CONTOUR MAJOR
- - - EXISTING CONTOUR MINOR



	ENGINEER'S SEAL	LOVE'S SUNPORT STATION, NEW MEXICO	DRAWN BY sb
		CONCEPTUAL GRADING PLAN	DATE 01-24-24
		 TIERRA WEST, LLC 5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	SHEET # GR-1
VINCENT P. CARRICA P.E. #16212			JOB # 2022031