26-6797,82-2011

SCANNED BY PLANNING

CONSTRUCTION PLANS FOR

JACK IN THE BOX 1267 PENNSYLVANIA ST & MENAUL BLVD PAVING & UTILITY IMPROVEMENTS

ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO FEBRUARY 2010



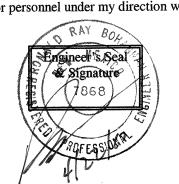
INDEX TO DRAWINGS

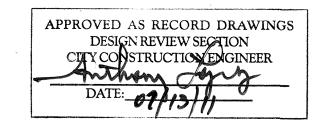
- 1. TITLE SHEET
- 2. GRADING PLAN (FOR REFERENCE ONLY)
- 3. PAVING IMPROVEMENTS
- 4. DETAILS

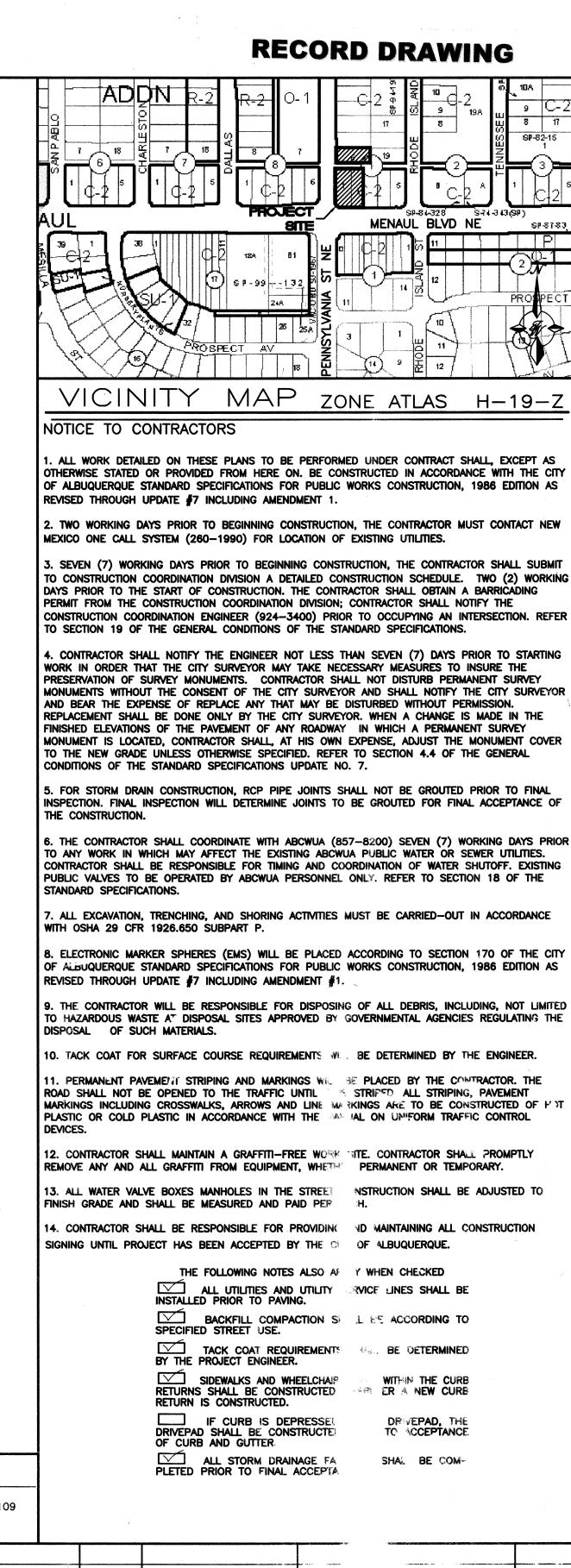
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

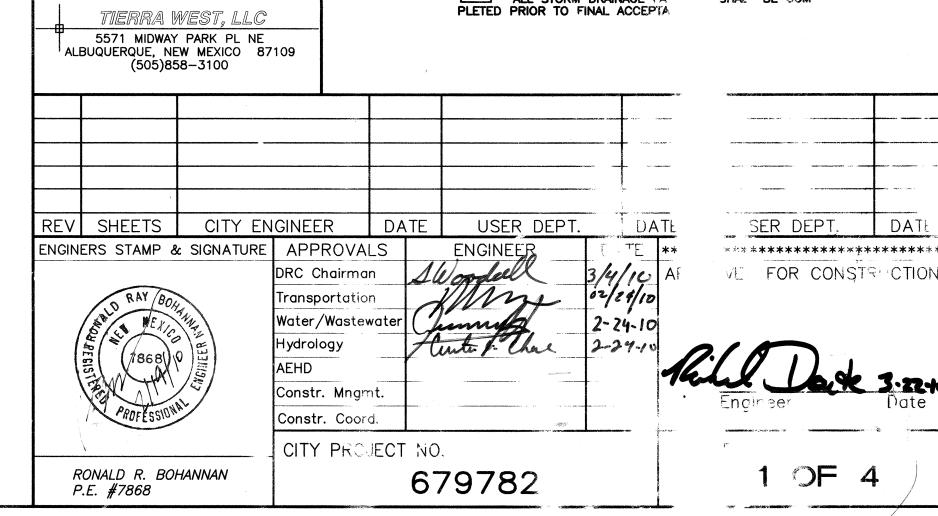
I, Ronald R. Bohannan, of the firm of <u>Tierra West LLC</u>, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the asbuilt construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by

Will Plotner, Jr , of <u>Cartesian Survey</u>, NMPS number <u>14271</u>









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DATE

DRAWN BY

DATE

03-24-09

28102-GRE

SHEET #

JOB #

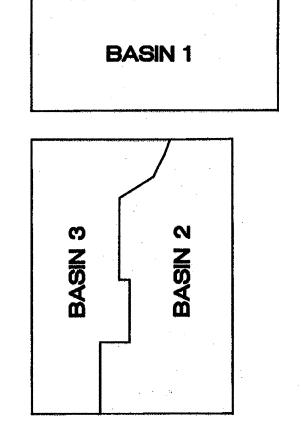
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EROSION CONTROL PLAN, NPDES PERMIT AND POLLUTION PREVENTION NOTES

- 1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
- 3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUN OFF
- 4. REPAIR OF DAMAGED FACILITIES AND CLEAN—UP OF SEDIMENT ACCUMULATION 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.
- 6. ALL SITES OVER 1 ACRE DISTURBANCE REQUIRE FEDERAL NPDES PERMIT.



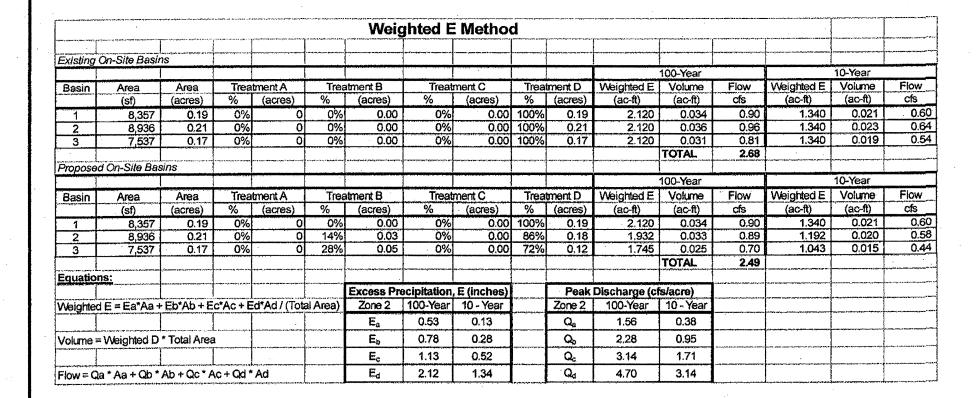
PROPOSED BASIN MAP

EXISTING DRAINAGE

The site is located on the northeast corner of Menaul Boulevard and Pennsylvania Avenue and currently consists of a vacant building and parking lot with little if any landscaping. The site is approximately 0.57 acres and currently drains from the northeast to the southwest with the flows draining to the street and into a drop inlet located in Pennsylvania Avenue. The site is surrounded by existing buildings and parking lots and there is no off—site drainage coming into the site. The total historic discharge from this site is 2.68 cfs.

PROPOSED DRAINAGE

The existing building and parking lot will be demolished to make room for the new building. The site was divided into three basins with each basin flowing from the northeast to the southwest following the historical drainage pattern. Landscape areas were added to the site and the water from the parking lot will be allowed to drain through those areas to provide passive water harvesting. Any excess flows will continue to drain to the existing drop inlet in Pennsylvania Avenue. As shown in the table below the total proposed drainage is 2.49 cfs, which is 0.19 cfs less than the historical flow of 2.68 cfs.



NEW 18" L GARDEN WALL SOMBRA DEL MONTE ADJACENT BUILDING FF=5350.46 5350.45 EXISTING PARKING LOT TO BE ×5349.02 ×5349,53-x 5349.74 **EXISTING 16' ALLEYWAY** – HARVESTIŃG 5347.90 5347.50 5347.80 ×5347.68 SW CULVERT PER COA STD-DWG #2236 PER COA STD 2' SW CULVERT 概 -**×**5346.95 DWG #2236 米是是米 FF-5348.00 2' CURB **OPENING** CURB & GUTTER 2' SW CULVERT OPENING EX. DROP INLET GRATE=5344.25 ======// HARVESTING -AREA MENAUL BOULEVARD N.E. 三三三丁

CAUTION:

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS—BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

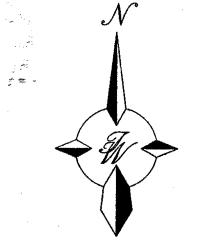
LEGEND CURB & GUTTER BOUNDARY LINE - EASEMENT - CENTERLINE SP-87-83 RIGHT—OF—WAY - BUILDING SIDEWALK SCREEN WALL RETAINING WALL SPOT ELEVATION x 5048.25 PARK VICINITY MAP: H-19-Z FLOW ARROW EXISTING CURB & GUTTER - - EXISTING BOUNDARY LINE EXISTING CONTOUR MAJOR EXISTING CONTOUR MINOR EXISTING SPOT ELEVATION x 5048,25 PROJECT PROSPECT PLINE PROSPECT AVE NE

FIRM MAP:

NOTICE TO CONTRACTORS

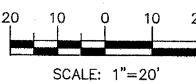
- 1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE
- 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HERON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
- 3. TWO 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 CONSTRUCTIONS. 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.

APPROVAL	NAME	DATE	
INSPECTOR			



GRAPHIC SCALE

679782

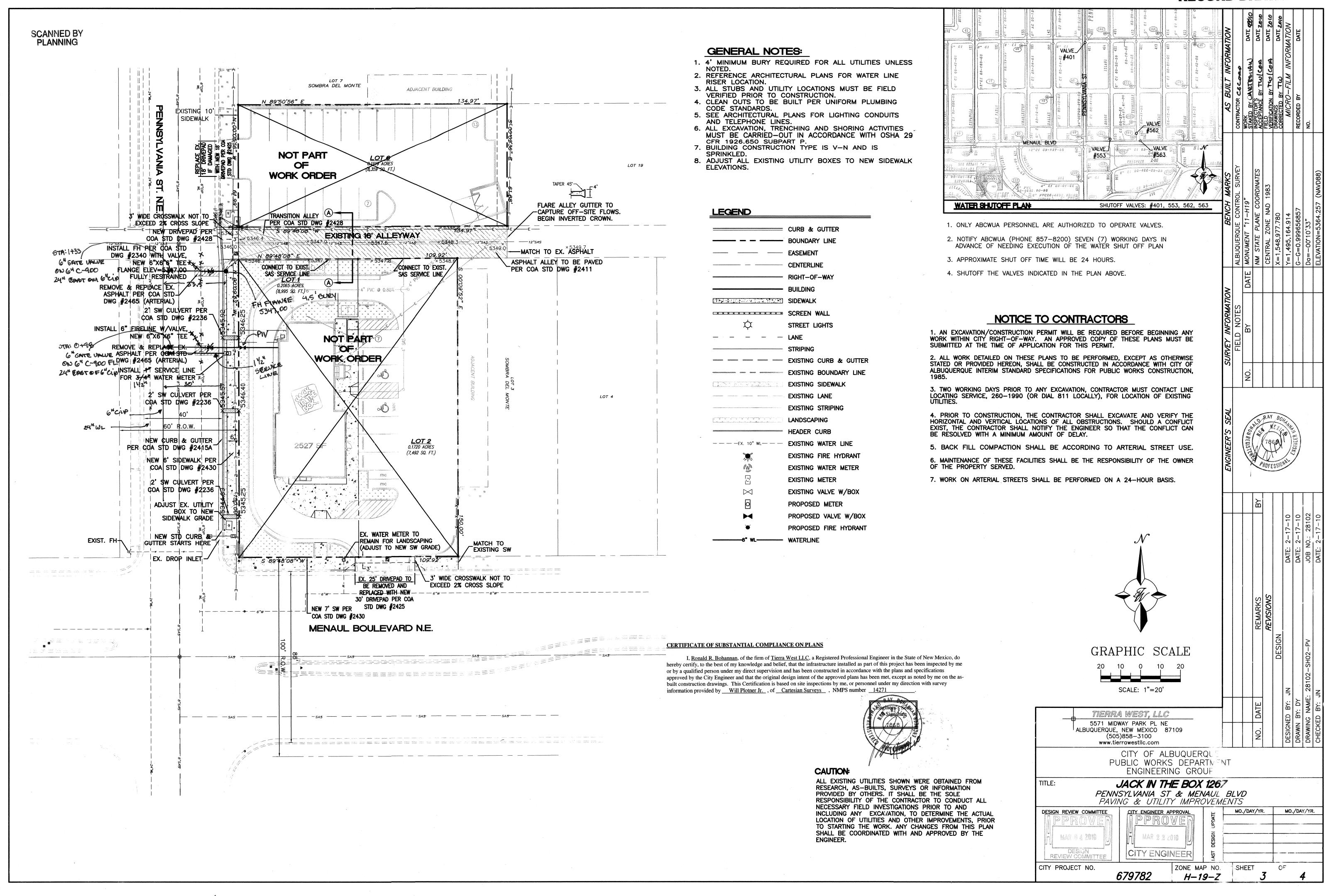


JACK IN THE BOX 1267
PENNSYLVANIA & MENAUL

GRADING AND
DRAINAGE PLAN

RONALD R. BOHANNAN
P.E. #7868

ROUGH GRADING APPROVAL



SCANNED BY **PLANNING**

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

DEPTH OF BURY: 3.0' MINIMUM

SAFETY FACTOR: 1.5 TO 1
PIPE MATERIAL: PVC

SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES TEST PRESSURE: 150 PSI

TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

RESTRAINED JOINT LENGTHS FOR TEES* LENGTH ALONG RUN**
 SIZE
 10'
 8'
 6'
 4'
 2'
 0'

 8x8x6
 6
 15
 25
 34
 43
 53

*RESTRAINTS ONLY PLACED ON THE BRANCH **LENGTH ALONG RUN REFERS TO THE LENGTH OF PIPE ON EITHER SIDE OF THE TEE BEFORE THE NEXT JOINT.

6x6x6 7 24 31 39 46 53 6x6x4 1 1 6 17 27 37

RESTRAINED JOINT LENGTHS FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS (EACH SIDE) HORIZONTAL BENDS VALVES 90° 45° 22-1/2° 11-1/4° DEAD END 6 25 10 5 2 55

	RESTRAINED JOINT LENGTHS FOR REDUCERS***					
	SIZE	L. SIDE	SIZE	L. SIDE		
	12×6	74	8x6	30		
	10x6	53	6x4	28		
***RESTRAI	NTS ONLY	PLACED (ON LARGE	SIDE		

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

DEPTH OF BURY: 3.0' MINIMUM TO 6.0' SAFETY FACTOR: 1.5 TO 1

PIPE MATERIAL: PVC

SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES
TEST PRESSURE: 150 PSI
TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL
BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

RESTRAINED JOINT LENGTHS FOR VERTICAL OFFSETS/BENDS (EACH SIDE)								
SIZE	HORIZONTAL BENDS 90° 45° 22-1/2° 11-1/4°							
6 UPPER LOWER	DON'T USE	23 5	11 3	5 1				

