

BASIS OF ELEVATION:

ELEVATIONS BASED ON CITY OF ALBUQUERQUE BENCHMARK, STAMPED "ACS BM, 15-E20", NAVD 1988 ELEVATION, 5504.822 FEET, LOCATED ON TOP OF CONCRETE BASE OF STREET LIGHT, WNW QUADRANT OF ACADEMY ROAD N.E. AND MOON STREET N.E., ON SW CORNER OF SAID CONCRETE BASE.

BASIS OF BEARINGS:

BASIS OF BEARINGS: REPLAT OF TRACT B SYCAMORE PLAZA RECORDED, DECEMBER 23, 1992 VOL. 92C, FOLIO 272, PER MONUMENTS FOUND HEREON.

SITE DRAINAGE:

THE PROPOSED ADDITION AND BUILDING RENOVATIONS WILL BE CONSTRUCTED WITHIN EXISTING IMPERVIOUS AREAS. THEREFORE, THERE IS NO INCREASE IN ON-SITE IMPERVIOUS AREA AND NO RESULTANT INCREASE IN DRAINAGE FLOW OR VOLUME.

FOR THE PURPOSE OF PUBLIC SAFETY DURING FREEZING TEMPERATURES, RUNOFF FROM PROPOSED VESTIBULE ROOFS WILL DISCHARGE TO A ROOF DRAIN COLLECTION MANIFOLD AND EVENTUALLY BE CONVEYED TO THE EXISTING ON-SITE STORM SEWER SYSTEM. IN EXISTING CONDITIONS, RUNOFF FROM THE VESTIBULE DRAINAGE AREAS IS CONVEYED VIA OVERLAND FLOW TO DROP INLETS THAT DISCHARGE TO THE ON-SITE STORM SEWER SYSTEM. THEREFORE, THERE IS NO INCREASE IN THE DRAINAGE FLOW OR VOLUME TO THE ON-SITE STORM SEWER SYSTEM.

THREE EXISTING ROOF DRAINS LOCATED AT THE REAR OF THE EXISTING BUILDING WILL BE RELOCATED TO ADJACENT POSITIONS ALONG THE PROPOSED ADDITION. THE NEW ROOF DRAINS WILL DISCHARGE TO THE TRUCK PATH DRIVE ISLE BEHIND THE BUILDING IN THE SAME MANNER AS THE EXISTING ROOF DRAINS. THESE DISCHARGES WILL FOLLOW EXISTING DRAINAGE PATTERNS TO THE TRENCH DRAIN WHICH DISCHARGES TO THE ON-SITE STORM SEWER SYSTEM. THE ON-SITE STORM SEWER SYSTEM ULTIMATELY DISCHARGES TO THE BEAR CANYON ARROYO CHANNEL.

FLOODPLAIN NOTE:

PROPERTY IS LOCATED IN FLOOD ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, PER FLOOD INSURANCE RATE MAP NO. 35001C0143G, EFFECTIVE DATE SEPTEMBER 26, 2008.

GRADING NOTES

- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED AS SHOWN. RE: DEMOLITION PLAN SHEET DM-1.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION. TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- PRECAST STRUCTURES MAY BE USED AT CONTRACTOR'S OPTION.
- STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED: HIGH DENSITY POLYETHYLENE (HDPE), AASHTO M252 TYPE S OR ASTM F2366 SMOOTH INTERIOR/ANNUAL EXTERIOR PIPE FITTINGS SHALL CONFORM TO AASHTO M252 AND M294.
- EXISTING PIPES AND INLETS TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
- EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUDED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA NPDES PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND THE WAL-MART SPECIAL CONDITIONS, SECTION 8, ENVIRONMENTAL COMPLIANCE AND STORM WATER POLLUTION PREVENTION.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY ZIA ENGINEERING. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
- ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED. RE: LANDSCAPING PLANS.
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
- ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POLURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
- IN AREAS OF PORTLAND CEMENT CONCRETE CRACK SEALING WILL BE PERFORMED TO ALL LINEAR CRACKS AND OPEN JOINTS, WHERE EXISTING CRACK OR OPEN JOINT WIDTH EXCEEDS 1/8 INCH. EXISTING LINEAR CRACKS SHOULD BE ROUTED GROOVED, OR SAWED TO A MINIMUM WIDTH OF 1/8 INCH AND TO A MINIMUM DEPTH OF 1 1/2 INCH. EXISTING CRACKS SHOULD BE REMOVED FROM EXISTING JOINTS. CRACK OR JOINT SUPPORTING ANY VEGETATION SHOULD BE TREATED WITH A COMMERCIALY AVAILABLE HERBICIDE. CRACK FILLER TO SEAL CRACK OR REPAIR EXISTING JOINTS SHALL CONFORM TO NMOTI SECTIONS 411 (PAGES 119-120) AND 452 (PAGES 162-163).
- ADD 5400 FEET TO ALL SPOT ELEVATIONS.
- CALCULATED RUNOFF FROM ROOF DRAINS AND PLANTERS LOCATED ALONG BUILDING FRONTAGE IS 0.1 CUBIC FEET/SECOND.

GRADING LEGEND

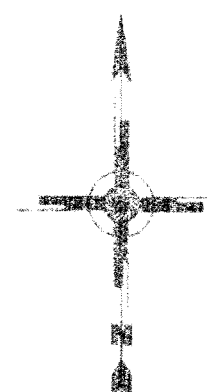
- (A) PAVEMENT REPAIR - MATCH EXISTING PAVEMENT ELEVATIONS IN PREPARATION FOR AN UNIFORM ASPHALT EMULSION SEAL COAT AS SHOWN ON THE SITE PLAN. (RE: DEMOLITION FOR PAVEMENT REMOVAL)
- (B) PROTECT EXISTING STRUCTURES, UTILITIES AND/OR TREES DURING WORK. CONTRACTOR TO REPAIR/REPLACE IF DAMAGED. RE: GRADING NOTE #5 ON THIS SHEET.

STIPULATION FOR REUSE OR ALTERATION:

THESE DRAWINGS ARE THE INSTRUMENT OF SERVICE OF ZIA ENGINEERING AND SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE REFERENCED PROJECT FOR WHICH THESE DRAWINGS WERE CREATED.

GRADING & DRAINAGE PLAN

SCALE: 1" = 60'



NEW MEXICO ONE CALL
STATEWIDE
1-800-321-ALERT(2537)
www.nmonecall.org
Call two working days
before you dig.

LEGEND

- PROPOSED PARKING SPACES SYSL/4"
- CART CORRAL
- STANDARD DUTY ASPHALTIC CONCRETE PAVEMENT
- AREA OF STORE EXPANSION
- EXISTING HEAVY DUTY CONCRETE PAVEMENT
- PROPOSED STANDARD DUTY CONCRETE PAVEMENT
- PROPOSED STORM DRAIN MANHOLE STRUCTURE
- PROPOSED ROOF DRAIN
- PROPOSED CLEAN OUT
- EXISTING STORM DRAIN INLET
- EXISTING CONTOURS
- EXISTING TREES AND VEGETATION
- EXISTING 18" CURB AND GUTTER
- EXISTING BUILDING
- EXISTING FIRE HYDRANT
- EXISTING LIGHT FIXTURES
- EXISTING FENCE LINE
- EXISTING STORM DRAIN MANHOLE STRUCTURE
- EXISTING BOLLARDS
- ADJACENT PARCEL LINE
- PROPERTY LINE
- EXISTING SANITARY SEWER MANHOLE STRUCTURE
- EXISTING ROOF DRAIN
- EXISTING TELE COMMUNICATIONS MANHOLE
- EXISTING BACK FLOW PREVENTION VALVE
- EXISTING TELEPHONE RISER
- EXISTING TRAFFIC SIGN
- EXISTING TRAFFIC SIGNAL
- EXISTING ELECTRIC METER
- EXISTING ELECTRIC BOX

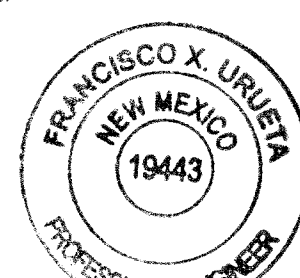
I, FRANCISCO X. URUEJA, NMPE 1943, OF THE FIRM ZIA ENGINEERING & ENVIRONMENTAL CONSULTANTS LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 7-13-11. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY NMPS 1093, OF THE FIRM PRECISION SURVEYS INC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 2/01/2013 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATION OF OCCUPANCY.

NO EXCEPTIONS NOR DEFICIENCIES WERE REQUESTED OR NOTED (OBSERVED) DURING MY SITE VISIT.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE, AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

FRANCISCO X. URUEJA, NMPE 1943

SEAL



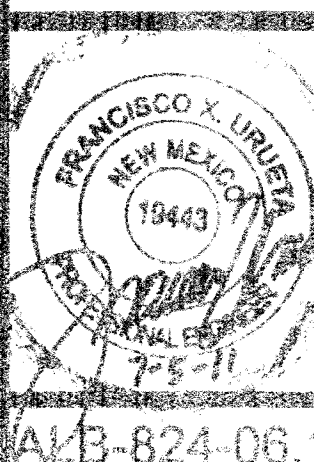
2-4-13
DATE

1 TRASH COMPACTOR ENLARGEMENT

SCALE: 1"=20'

Zia Engineering & Environmental
Consultants, LLC

765 S. Teicher Blvd., Suite F-201
Las Cruces, New Mexico 88011
Phone: (505) 532-1520
Fax: (505) 532-1557
Website: http://www.ziaeng.com/



WAL-MART SUPERCENTER #824-06
ALBUQUERQUE, NEW MEXICO

WAL-MART STORES, INC.
2001 SE 10TH STREET, BENTONVILLE, AR 72716
CONTACT: DANI ZIEM
PHONE: (479) 204-0426

DATE
BY
CHECKED
DATE
2/2/2013
SCALE
AS NOTED
JOB NO.
ALB-824-06-1
SHEET

C-2

3 of 18 SHEETS