$Q_{pD} = 5.25$ 

1.21 CFS

1.11 CFS Developed Qp

 $Q_{pB} = 2.92$ 

VICINITY MAP **KEYED NOTES** DEVELOPMEN' . EXISTING PAVEMENT TO REMAIN. 2. 0.1' DESIGN CONTOUR INTERVALS ARE SHOWN THIS AREA TO CLEARLY INDICATE SURFACE DRAINAGE PATTERN. CONSTRUCT NEW CONCRETE PAVED WALKS / RAMPS / PLAZAS TO ELEVATIONS SHOWN. NOTE: DUE TO FLATNESS OF SITE, CONTRACTOR SHALL STAKE TO ELEVATIONS SHOWN TO ENSURE POSITIVE DRAINAGE. . ROOF DISCHARGE TO SOUTH: EXTEND BELOW GRADE TO PROPOSED PRIVATE STORM DRAIN. MAKE WATERTIGHT CONNECTIONS USING ADS-N12WT FITTINGS AS REQUIRED. ROOF DISCHARGE TO WEST: INSTALL PRECAST CONCRETE SPLASHPAD (OR OWNER APPROVED EQUAL) AT DOWNSPOUT. EROSION CONTROL BEYOND SPLASHPAD SHALL BE PROVIDED BY OWNER AS PART OF LANDSCAPE PACKAGE. EXISTING PORTAL CANOPY DRAINAGE. TYPICAL DRAINAGE

OPENINGS IN CANOPIES WILL CONTINUE TO FREE DISCHARGE

CONSTRUCT NEW ENTRY LANDING AT ELEVATIONS SHOWN.

3. SLOPE NEW ACCESS WALK FROM EXISTING WALK TO NEW

. CONSTRUCT 20' LF ACO K100S TRENCH DRAIN WITHIN NEW

CONCRETE PAVEMENT AT ELEVATIONS SHOWN. CONSTRUCT

10. CONSTRUCT NEW STORM DRAIN FROM INLINE TRENCH DRAIN

1. PROVIDE SWALE WITHIN CONCRETE PLAZA AT ELEVATIONS

12. CONSTRUCT 12" WIDE (BOTTOM WIDTH) COVERED SIDEWALK

C.O.A. APPROVED DETAIL THIS SHEET.

LEGALLY DISPOSED OF OFFSITE.

ALBUQUERQUE SPECIFICATIONS.

UNDERGROUND UTILITY LINES.

MATCH NEW GRADES, TYPICAL.

CONCRETE) PER A.P.S. STANDARDS.

AND 12" DEEP.

ACTUAL OCCURRENCES.

CULVERT PER C.O.A. STD. DWG. 2236. EXTEND TWO FEET

13. CONSTUCT 24" WIDE X 4' LONG X 9" DEEP ROCK EROSION

CONCRETE). ADDITIONAL EROSION CONTROL SHALL BE

DEPENDING ON PROPOSED LANDSCAPE TREATMENT.

ENGINEER RECOMMENDS CONTINUATION OF 24" WIDE

IF LANDSCAPING IS TO BE DIRT OR CRUSHER FINES.

PROTECTION (6" AVG. DIA. ROUNDED ROCK EMBEDDED IN

PROVIDED BY OWNER AS PART OF LANDSCAPE PACKAGE

GROUTED ROCK TO BOTTOM OF WATER HARVESTING BASIN

**GENERAL NOTES** 

ALL SUBGRADE, OVEREXCAVATION, AND FILL SHALL BE PLACED AND / OR COMPACTED PER THE GEOTECHNICAL REPORT AND CITY OF

FINAL GRADES SHOWN REPRESENT TOP OF FINISH MATERIAL (I.E. TOP OF CONCRETE, TOP OF CONCRETE BUILDING PAD, TOP OF PAVEMENT MATERIAL, TOP OF LANDSCAPING MATERIAL, ETC.). CONTRACTOR SHALI GRADE, COMPACT SUBGRADE AND DETERMINE EARTHWORK ESTIMATES BASED ON ELEVATIONS SHOWN MINUS FINISH MATERIAL THICKNESSES.

ONLY AND MAY BE INCOMPLETE OR OBSOLETE. SUCH LINES MAY OR MAY NOT EXIST WHERE SHOWN OR NOT SHOWN, CONTRACTOR SHALL

CONTACT NM-811 FOR UTILITY LINE SPOTS TWO WORKING DAYS PRIOR

TO CONDUCTING SITE FIELD WORK. CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY

CONSTRUCTION. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND

ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND

ADJUST RIMS OF EXISTING UTILITY FEATURES AS NECESSARY TO

WHERE NEW GRADES ARE SHOWN AS 'MATCH' OR '±', TRANSITIONS

BETWEEN EXISTING AND PROPOSED SHALL BE SMOOTH AND LEVEL.

ALL ROOF DRAIN DISCHARGE AND SITE DRAINAGE SWALES WITHIN

ALL COBBLE EROSION PROTECTION TO BE 6" AVG. DIA. ROUNDED ROCK

EMBEDDED IN CONCRETE PER A.P.S. STANDARDS. NO LOOSE COBBLE SWALES OR EROSION PROTECTION SHALL BE ALLOWED ON A.P.S.

WATER HARVESTING IN LANDSCAPED AREAS IS ENCOURAGED EXCEPT WITHIN 10' OF ANY BUILDING. DEPRESSIONS SHALL BE BETWEEN 8"

ENGINEER RECOMMENDS THAT OWNER INSPECT SITE MONTHLY AND

AFTER EACH RAINFALL TO IDENTIFY NEW AREAS OF EROSION AND INSTALL ADDITIONAL EROSION PROTECTION AS NEEDED BASED ON

IS COMPLETE AND EROSION PROTECTION IS INSTALLED PER PLAN.

ENGINEER'S CERTIFICATION CANNOT BE PROVIDED UNTIL ALL SITE WORK

TEMPORARY CERTIFICATES OF OCCUPANCY ARE NO LONGER PROVIDED.

NON-PAVED AREAS SHALL BE PAVED (GROUTED COBBLE OR

EAST FROM BACK OF WALK AS SHOWN. BOLT DOWN LID PER

SHOWN, NOTE: DUE TO FLATNESS OF SITE, CONTRACTOR

SHALL STAKE TO ELEVATIONS SHOWN TO ENSURE POSITIVE

SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION.

ENTRY LANDING (S<5%). SEE ARCHITECTURAL FOR

PER MANUFACTURER'S RECOMMENDATIONS AND

CATCH BASIN TO DAYLIGHT AT ELEVATIONS SHOWN.

STORMWATER TO PAVEMENT.

ADDITIONAL INFORMATION.

SPECIFICATIONS.

## PROJECT DATA

PROPERTY: THE SITE IS PART OF A DEVELOPED APS SCHOOL PROPERTY LOCATED WITHIN C.O.A. VICINITY MAP G-21. THE PROPOSED CONSTRUCTION IS BOUND BY INCA STREET NE TO THE WEST, COMANCHE ROAD TO THE SOUTH AND BY VARIOUS SCHOOL BUILDINGS TO THE NORTH AND EAST.

PROPOSED IMPROVEMENTS: A NEW CAFETERIA ADDITION WILL BE CONSTRUCTED WITH ASSOCIATED SITE WALKS AND LANDSCAPING.

LEGAL: A PORTION OF LOT 22, BLOCK 8, SAN GABRIEL VILLAGE, UNIT 1 (MITCHELL ELEMENTARY SCHOOL), ALBUQUERQUE, NEW MEXICO. ADDRESS: 10121 COMANCHE ROAD N.E., ALBUQUERQUE, NM 87111

BENCHMARK: A CITY OF ALBUQUERQUE CONTROL BRASS DISC, STAMPED "2-G21A 1978", SET FLUSH IN THE TOP OF THE CONCRETE CURB, SOUTH MEDIAN OF COMANCHE RD. AND JUAN TABO BLVD INTERSECTION. OFF-SITE: NO OFF-SITE DRAINAGE AFFECTS THIS PROPERTY.

FLOOD HAZARD: PER BERNALILLO COUNTY FIRM MAP #35001C0357G, DATED SEPTEMBER 26, 2008, THE SITE IS LOCATED WITHIN FLOODZONE 'X' (UNSHADED) DESIGNATED AS 'AREAS OUTSIDE THE 0.2-PERCENT-ANNUAL-CHANCE FLOODPLAIN. NO BFES OR DEPTHS ARE SHOWN IN THIS ZONE, AND INSURANCE PURCHASE IS NOT REQUIRED.'

DRAINAGE PLAN CONCEPT: THE SITE DEMOLITION AND NEW CONSTRUCTION WILL NOT ALTER EXISTING DRAINAGE PATTERNS. STORMWATER FROM THE PROPOSED ADDITION WILL SURFACE DISCHARGE OR PASS TO A PROPOSED STORM DRAIN SYSTEM. A NEW COVERED SIDEWALK CULVERT WILL BE CONSTRUCTED TO PASS FLOW TO INCA STREET (PREVIOUSLY PASSED OVER PUBLIC WALK). A MINOR INCREASE IN OVERALL SITE DISCHARGE (0.1 CFS) IS ANTICIPATED (SEE CALCULATIONS).

PHONE: (505) 348-4000

ALL TRASH, DEBRIS, & SURFACE VEGETATION SHALL BE CLEARED AND SURVEYOR: WILSON & CO. 4900 LANG AVENUE NE ALBUQUERQUE, NM 87109

## **LEGEND**

PROPOSED CONTOUR - 1' INCREMENT PROPOSED CONTOUR - 0.1' INCREMENT PROPOSED SPOT ELEVATION FLOW ARROW

FINISH FLOOR ELEVATION

ISAACSON & ARFMAN, P.A.

EXISTING ELEVATION  $(\pm)$  TO MATCH. PROPOSED STORM DRAIN

PROPOSED TRENCH DRAIN ASPHALT....

FL5572.43 AS-BUILT ELEVATION

S.O.19: NOTICE TO CONTRACTORS

- AN EXCAVATION / CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION,

1986 EDITION AS REVISED THROUGH UPDATE #8.

- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (CALL '811') FOR
- LOCATION OF EXISTING UTILITIES. 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.
- BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC / STREET
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY
- OF THE OWNER OF THE PROPERTY SERVED.

WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS. APPROVAL NAME

INSPECTOR

SCALE: N.T.S.

COVERED SIDEWALK CULVERT - WELDED COVER

Consulting Engineering Associates 128 Monroe Street N.E. DATE Albuquerque, New Mexico 87108 Ph. 505-268-8828 Fax. 505-268-2632 1781 CG-101.dwg May 06,2013

& ASSOCIATES, D.0

ARCHITECTS • planners The Sunshine Buildi 110 Second St. S.W. Suite 2







Mark Date Description Issue: 1001

**GTH Project No** Owner Project No Acad File No.:

**Sheet Title:** 

Date:

**GRADING & DRAINAGE PLAN** 

Sheet No.:

CG-101

0204.00

04/17/20

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