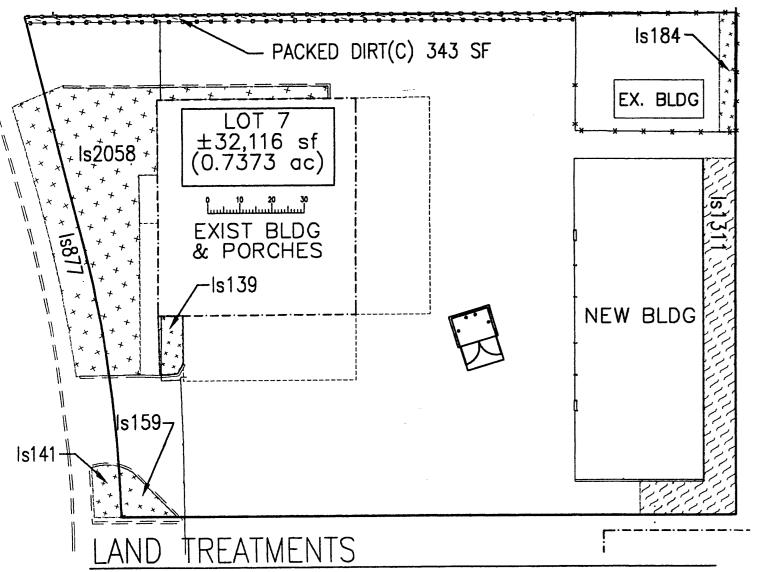
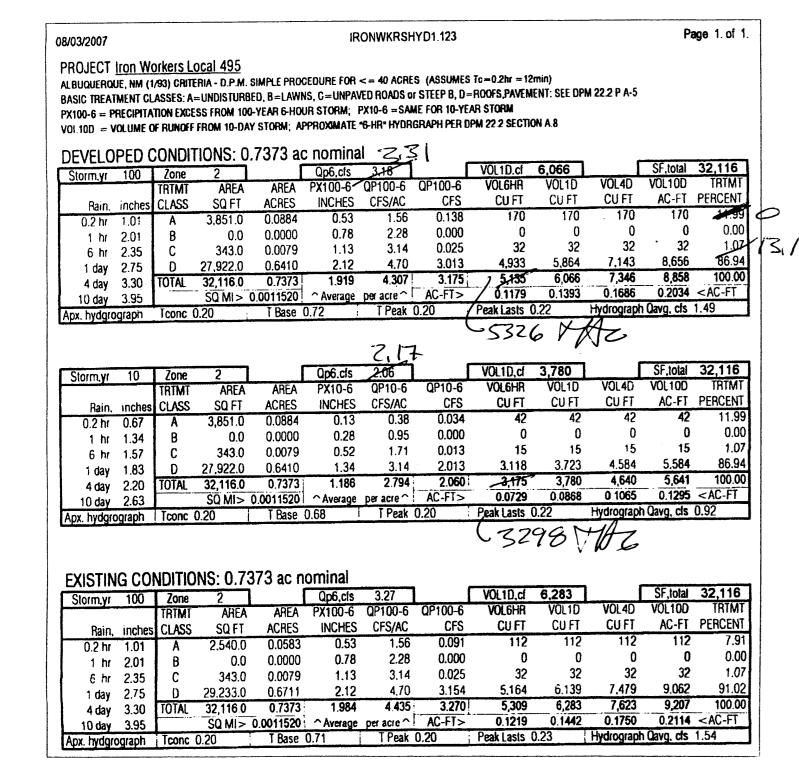


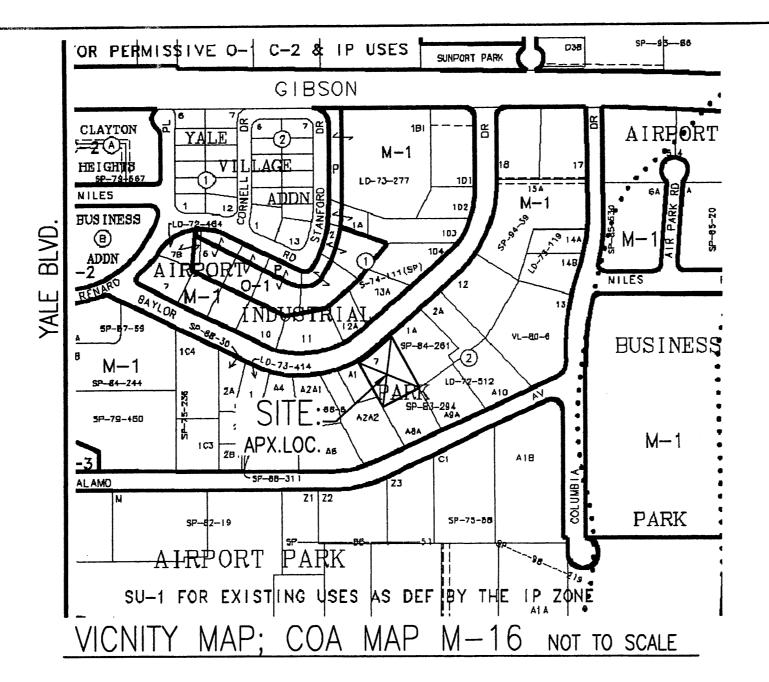
FEMA PANEL: 35001C0361



THE ONLY DIFFERENCE IN LAND TREATMENTS BETWEEN EXISTING AND PROPOSED CONDITIONS IS THAT APX 1300 SF SOUTH AND WEST OF THE PROPOSED BUILDING, WHICH IS NOW ASPHALT PAVING. WILL BECOME XERIC LANDSCAPING.

UNLESS OTHERWISE NOTED, ALL AREAS ARE IMPERVIOUS.





PROJECT DESCRIPTION AND DRAINAGE DISCUSSION

PROJECT ADDRESS: Ironworkers Union Local 495, 2524 BAYLOR SE, ALBUQUERQUE NM. COA map M-16

LEGAL DESCRIPTION: LOT 7, BLOCK 2, AIRPORT INDUSTRIAL PARK, ALBUQUERQUE, BERNALILLO COUNTY, NM.

<u>Flood Zone</u>: Per FEMA PANEL 35001—C0361 the site is not in a 100—yr flood zone.

Existing Conditions/History:

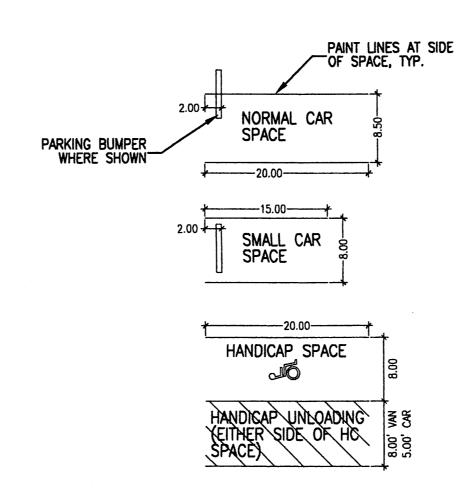
The roughly 3/4—acre site near the airport is located on the south side of Baylor Drive and is completely developed already. Existing landscaping is clearly xeric. Much of the site slopes north and west toward the street and toward the adjacent property on the west (assuming the street is on the north side of the lot) some drains along the east side of the existing building and then to the street. A very small amount of offsite flow reaches the site from the southeast corner of the site and from across the south property line. None of the roofs or the parking areas OF adjacent properties drains onto the site. This tiny amount of offsite flow will be passed to the street along with onsite flow. Flow reaching the lot adjacent on the west will be essentially decreased to zero.

Project Description:

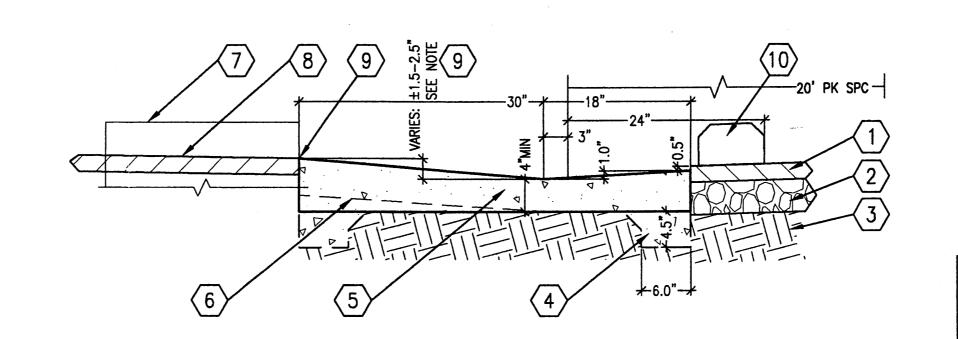
To advance its training programs the Union will add an apx. • 40'x100' metal building at the rear of the site (on an area that is currently impervious pavement), repave the site, and increase the amount of landscaping. This project will slightly decrease the amount and rate of runoff from any storm.

Drainage discussion:

Drainage calculations are per City of Albuquerque DPM (Development Process Manual) Chapter 22 methods for small watersheds, Rain Zone 2. Existing conditions are 86.94% impervious with the remainder xeric landscaping with extensive gravel, assumed to be hydrologically similar to native landscape (treatment "A"), except for a small amount of packed dirt along the east PL. The 100-year, 6-hour design storm generates 5309 of of runoff with a peak rate of 3.27 cfs under existing conditions. Proposed conditions are similar, except that xeric landscaping is 11.99% of the site, up from 7.91%. The corresponding runoff volume and peak rate are 5135 of and 3.18 cfs.



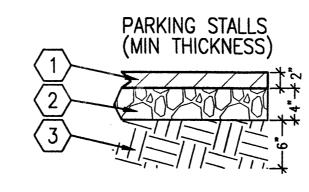
PARKING SPACE DIMENSIONS



• KEY NOTES:

CONCRETE GUTTER

- 1. NEW ASPHALT PAVING (AWAY FROM EXIST, PORCH): SEE PAVING SECTION
- 2. COMPACTED BASE COURSE (4", 95% ASTM D1557)
- 3. COMPACTED SUBGRADE (6", 95% ASTM D1557)
- 4. THICKENED EDGE AT EAST & WEST ENDS. COMPACT SUBGRADE 6"" BELOW
- 5. 3000 PSI PLAIN CONCRETE PER C.O.A. SPECS
- 6. AT PORCH, OK TO KEEP 4" THICKNESS TO REDUCE EXCAVATION AT EXIST PAVING AND POST BASES
- EX. RAISED CONCRETE BASE FOR PORCH POST, WHERE SHOWN ON PLAN
- EXISTING ASPHALT AT PORCH: THICKNESS UNKNOWN
- 9. AT PORCH, CONC. SWALE TO MATCH EXIST PAVING, OR MAX 1/4" BELOW. SAW CUT EXISTING PAVING.
- 10. PARKING STOP (BUMPER) WHERE SHOWN: DIMENSIONS ESTIMATED. (SHOWN HERE FOR INFORMATION ONLY)



1 0 0 0 2

TRAFFIC AISLES

"=1

ASPHALT PAVING SECTIONS

ASPHALT PAVING TO BE COA (CITY OF ALBUQUERQUE) TYPE "C" (1/2" NOMINAL) CONSTRUCTED BY COA STANDARD SPECIFICATION METHODS. 3—INCH SINGLE LIFT OK.

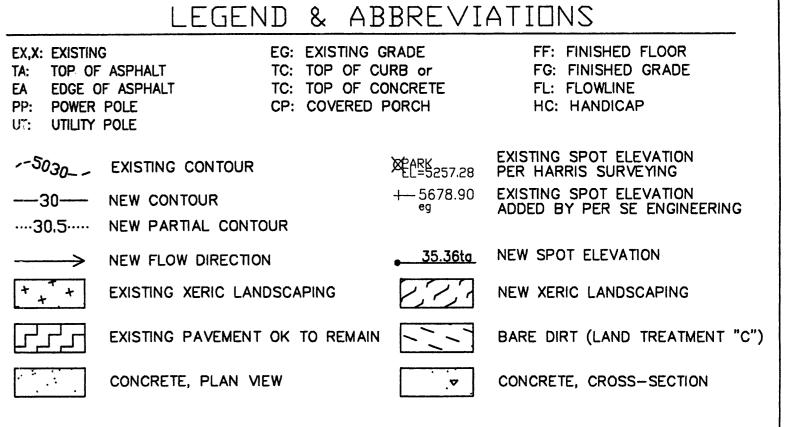
GRADING & DRAINAGE GENERAL NOTES:

1. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH <u>CITY OF ALBUQUERQUE</u> <u>STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION</u>, 1986 EDITION, <u>UPDATED THROUGH AMENDMENT 1 TO REVISION 7.</u>

LEAST 3 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.

- UPDATED THROUGH AMENDMENT 1 TO REVISION 7.

 2. THERE MAY BE UTILITIES AND OTHER ITEMS THAT ARE NOT SHOWN. FIELD VERIFY. CALL NEW MEXICO ONE—CALL: (1—800—321—2537) FOR UTILITIES SPOTTING AT
- 3. <u>CONTRACTOR'S GOOD SENSE</u>: THE CONTRACTOR IS EXPECTED TO USE HIS GOOD SENSE, EXPERIENCE, AND JUDGMENT.
- 4. IF UNUSUAL, CONFLICTING, OR EVEN APPARENTLY <u>ODD CIRCUMSTANCES</u> ARISE THE-CONTRACTOR IS TO CONSULT WITH THE ENGINEER FOR A RESOLUTION BEFORE PROCEEDING WITH FINAL LAYOUT OR CONSTRUCTION.
- 5. <u>CHANGES & DEVIATIONS</u> ARE TO BE APPROVED IN WRITING IN ADVANCE OF CONSTRUCTION. CONTRACTOR IS TO KEEP A MARKUP COPY OF THE THE PLANS AND TO NOTE THEREON ALL CHANGES AND DEVIATIONS FROM THE PLANS.
- 6. ALL WORK TO BE PERFORMED IN A WORKMANLIKE MANNER
- 7. ENGINEER IS WILLING TO SUPPLY AN <u>ELECTRONIC COPY</u> OF THIS DRAWING (AUTOCAD 2005) FOR THE CONTRACTOR'S USE ON THIS PROJECT.
- 8. PER FEMA PANEL 35001-C0361 THE SITE IS NOT WITHIN A 100-YEAR FLOOD ZONE.
- 9. LAY OUT THE NEW BUILDING PARALLEL TO THE WEST PL (PROPERTY LINE) WITH THE SW "OUT TO OUT" CORNER OF THE BUILDING (40.25' x 101.50' OUT TO OUT) LOCATED AS SHOWN ON THE PLAN. THE ANGLE BETWEEN THE WEST PL AND THE SOUTH PL IS SLIGHTLY MORE THAN 90 DEGREES.



TOPOGRAPHIC SURVEY W/ EXISTING CONTOURS BY HARRIS SURVEYING CO, ALBUQUERQUE, NM. ADDITIONAL EXISTING SPOT ELEVATIONS BY PER SE ENGINEERING.

BASIS OF ELEVATIONS: CITY OF ALBUQUERQUE BRASS CAP 24-L16, ELEV 5188.942:

TBM (TEMPORARY BENCH MARK): TOP OF SURVEYOR'S REBAR AND CAP AT NW

PROPERTY CORNER, ELEV 5253.33

PER SE ENGINEERING

	es, & sue vesign: si	
These documents were prepared for SMPC Architects' liability is limited does not extend to reuse of these	or this specific project only. I to this specific project, and e documents for other projects.	Copyright by SMPC
ARCHITECTS • PLANNERS 115 AMHERST DRIVE SE., ALBU TELE. (505) 255-8668	• INTERIOR DESIGNERS	6
		A R C H
IRON	WORKERS LOCAL 4	95

GRADING & DRAINAGE: GENERAL INFO & DETAILS

REV. # DATE PROJECT#: 07024

DWN BY: T.GREEN

CHK BY: T.GREEN

DATE: 08/2007

CHK BY: T.GREEN

DATE: 08/2007

OF

