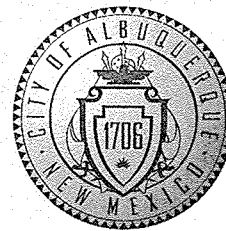


CITY OF ALBUQUERQUE



October 4, 2010

Denise L. Peralta
Wilson & Company, Inc.
4900 Lang Ave. NE
Albuquerque, NM 87109

**Re: James Monroe Middle School New Track Revised Grading and
Drainage Plan Engineer's Stamp dated 7-25-11 (B10/D004)**

Dear Mr. Peralta,

PO Box 1293

Based upon the information provided in your submittal received 9-26-11, the above referenced plan is approved for Grading Permit and Paving Permit.

Albuquerque

Upon completion of the project, provide an Engineer Certification for our files.

NM 87103

You may want to provide some means of erosion control on the slope around the south side of the track.

www.cabq.gov

If you have any questions, you can contact me at 924-3695.

Sincerely,

Shahab Biazar, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: file

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 12/05 - AP)

PROJECT TITLE: James Monroe MS

ZONE MAP/DRG. FILE#: B-10

12004

DRB#: _____ EPC#: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: _____

CITY ADDRESS: 6100 Paradise Blvd. NE 87114

ENGINEERING FIRM: Wilson & Company CONTACT: Nathan Burns, EIT

ADDRESS: 2600 The American Rd, Ste. 100 PHONE: 505-948-5123

CITY, STATE: Rio Rancho, NM ZIP CODE: 87124

OWNER: APS CONTACT: Myron Johnson

ADDRESS: 915 Oak Street PHONE: 505-848-8811

CITY, STATE: Albuquerque New Mexico ZIP CODE: 87106

ARCHITECT: Wilson & Company CONTACT: See Engineer Above

ADDRESS: 4900 Lang Ave. NE PHONE: 505-948-5123

CITY, STATE: Albuquerque, NM ZIP CODE: _____

SURVEYING FIRM: Wilson & Company LICENSED SURVEYOR: Ben Aragon

ADDRESS: 4900 Lang Ave. NE PHONE: 505-348-4067

CITY, STATE: Albuquerque, NM ZIP CODE: 87109

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CITY, STATE: _____ ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT - RESUBMITTAL
☐ DRAINAGE PLAN 1st SUBMITTAL
☒ DRAINAGE PLAN RESUBMITTAL
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☒ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERT (HYDROLOGY)
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT
☐ ENGINEER/ARCHITECT CERT (TCL)
☐ ENGINEER/ARCHITECT CERT (DRB S. P.)
☐ ENGINEER/ARCHITECT CERT (AA)
☐ OTHER (SPECIFY) _____

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA / FINANCIAL GUARANTEE RELEASE
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY (PERM.)
☐ CERTIFICATE OF OCCUPANCY (TEMP)
☒ GRADING PERMIT APPROVAL
☒ PAVING PERMIT APPROVAL
☐ WORK ORDER APPROVAL
☐ OTHER (SPECIFY) SO #19 _____

WAS A PRE-DESIGN CONFERENCE ATTENDED:

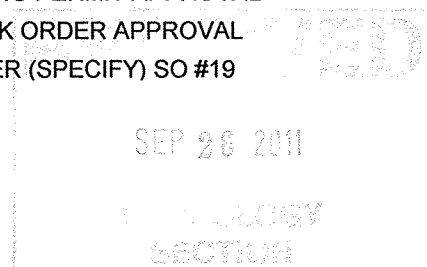
- ☐ YES
☒ NO
☐ COPY PROVIDED

Submitted By: Nathan Burns

DATE: 09/26/2011

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development define the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5)
3. **Drainage Report:** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.



Transmittal

Date: September 20, 2011
To: Mr Curtis Cherne
COA Hydrology

From: Nathan Burns

File No:	09-600-003-00		
Phase:	01	Task:	8617
Dept:	8600		
Project:	JMMS Track		
Telephone:	505-948-5123		
Sent via: <input type="checkbox"/> Ground <input type="checkbox"/> 2 nd Day <input type="checkbox"/> Overnight <input type="checkbox"/> US Mail			

We Transmit:

- ☒ Attached
☐ Under separate cover via
☐ In accordance with your request

For Your:

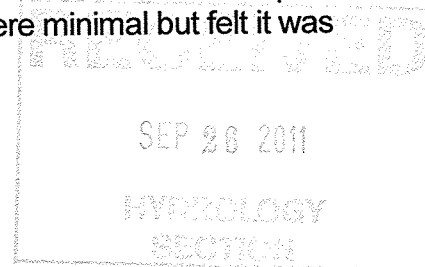
- ☒ Approval
☐ Review and Comment
☐ Use
☐ Distribution to parties
☐ Record
☐ Information

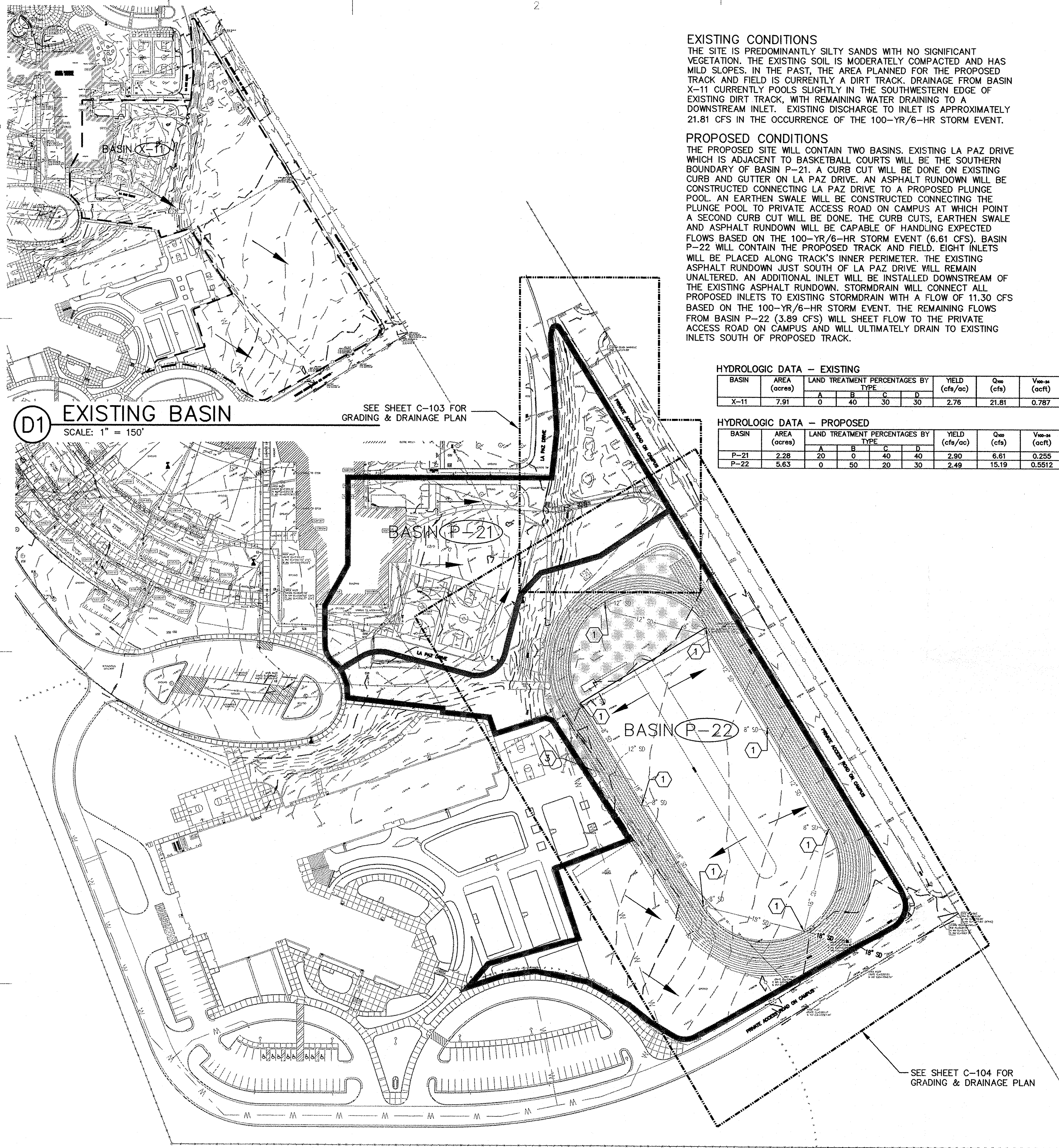
The Following:

- ☒ Drawings
☐ Prints
☐ Specifications
☐ Change Order
☐ Shop Drawing Prints
☒ Other

Copies	Date	No.	Description
1			James Monroe MS Track Project- Revised Sheets
1			Previous Grading & Paving Permit (signed 1-18-10)

Curtis, The plans changed and were re-stamped 7/25/11. These are the revised sheets per our meeting in your office a month or so ago. The changes made were minimal but felt it was a good idea to re-submit. Pls call with any questions. Thanks.

Copies To:_____
SignatureSHARED OWNERSHIP • COLLABORATION
INTENSITY • DISCIPLINE • SOLUTIONS

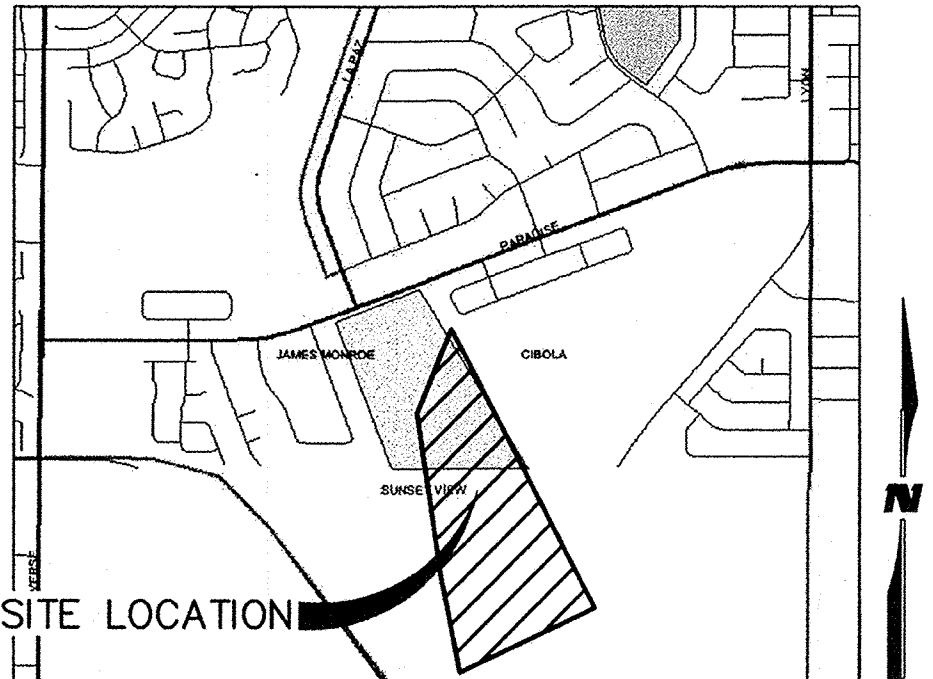


EXISTING CONDITIONS
THE SITE IS PREDOMINANTLY SILTY SANDS WITH NO SIGNIFICANT VEGETATION. THE EXISTING SOIL IS MODERATELY COMPACTED AND HAS MILD SLOPES. IN THE PAST, THE AREA PLANNED FOR THE PROPOSED TRACK AND FIELD IS CURRENTLY A DIRT TRACK. DRAINAGE FROM BASIN X-11 CURRENTLY POOLS SLIGHTLY IN THE SOUTHWESTERN EDGE OF EXISTING DIRT TRACK, WITH REMAINING WATER DRAINING TO A DOWNSTREAM INLET. EXISTING DISCHARGE TO INLET IS APPROXIMATELY 21.81 CFS IN THE OCCURRENCE OF THE 100-YR/6-HR STORM EVENT.

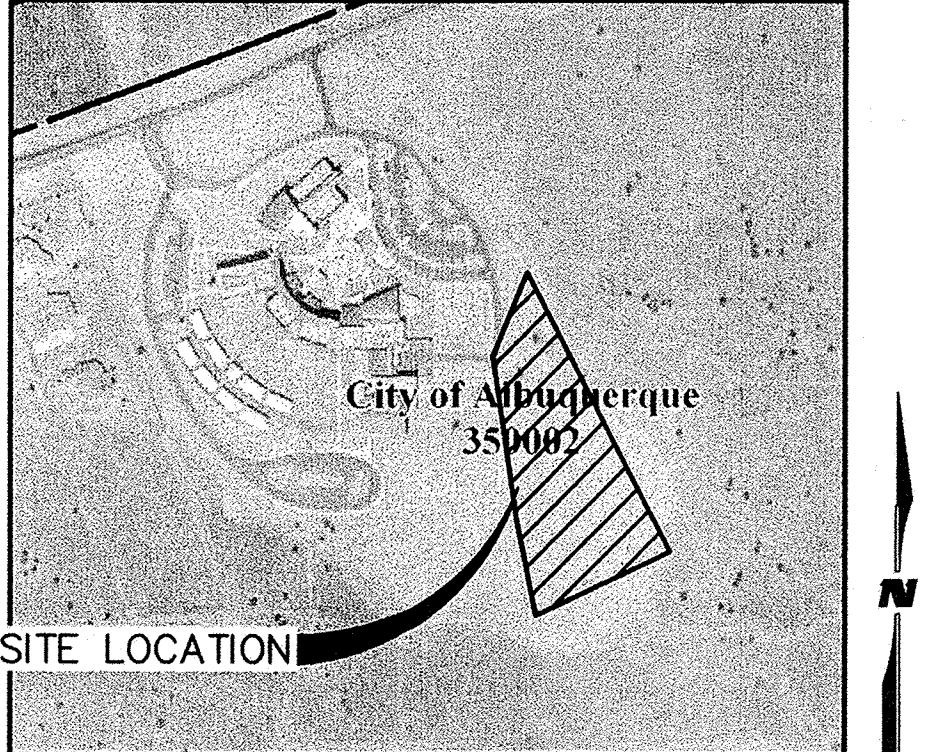
PROPOSED CONDITIONS
THE PROPOSED SITE WILL CONTAIN TWO BASINS. EXISTING LA PAZ DRIVE WHICH IS ADJACENT TO BASKETBALL COURTS WILL BE THE SOUTHERN BOUNDARY OF BASIN P-21. A CURB CUT WILL BE DONE ON EXISTING CURB AND GUTTER ON LA PAZ DRIVE. AN ASPHALT RUNDOWN WILL BE CONSTRUCTED CONNECTING LA PAZ DRIVE TO A PROPOSED PLUNGE POOL. AN EARTHEN SWALE WILL BE CONSTRUCTED CONNECTING THE PLUNGE POOL TO PRIVATE ACCESS ROAD ON CAMPUS AT WHICH POINT A SECOND CURB CUT WILL BE DONE. THE CURB CUTS, EARTHEN SWALE AND ASPHALT RUNDOWN WILL BE CAPABLE OF HANDLING EXPECTED FLOWS BASED ON THE 100-YR/6-HR STORM EVENT (6.61 CFS). BASIN P-22 WILL CONTAIN THE PROPOSED TRACK AND FIELD. EIGHT INLETS WILL BE PLACED ALONG TRACK'S INNER PERIMETER. THE EXISTING ASPHALT RUNDOWN JUST SOUTH OF LA PAZ DRIVE WILL REMAIN UNALTERED. AN ADDITIONAL INLET WILL BE INSTALLED DOWNSTREAM OF THE EXISTING ASPHALT RUNDOWN. STORMDRAIN WILL CONNECT ALL PROPOSED INLETS TO EXISTING STORMDRAIN WITH A FLOW OF 11.30 CFS BASED ON THE 100-YR/6-HR STORM EVENT. THE REMAINING FLOWS FROM BASIN P-22 (3.89 CFS) WILL SHEET FLOW TO THE PRIVATE ACCESS ROAD ON CAMPUS AND WILL ULTIMATELY DRAIN TO EXISTING INLETS SOUTH OF PROPOSED TRACK.

HYDROLOGIC DATA - EXISTING								
BASIN	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q _{ave} (cfs)	V _{ave} (acft)
		A	B	C	D			
X-11	7.91	0	40	30	30	2.76	21.81	0.787

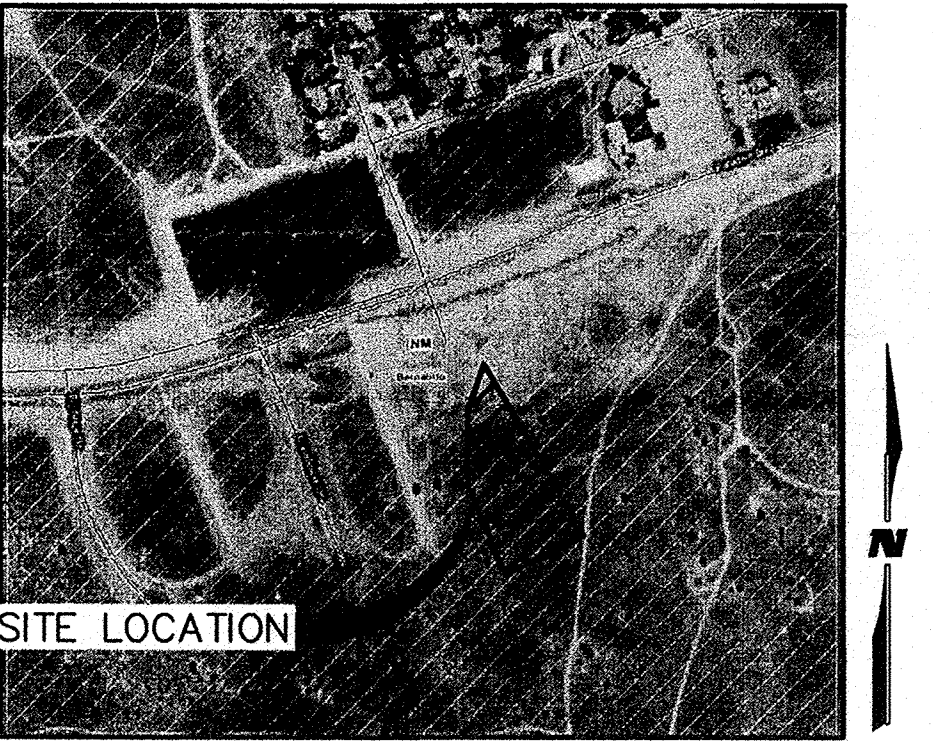
HYDROLOGIC DATA - PROPOSED								
BASIN	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q _{ave} (cfs)	V _{ave} (acft)
		A	B	C	D			
P-21	2.28	20	0	40	40	2.90	6.61	0.255
P-22	5.63	0	50	20	30	2.49	15.19	0.5912



LOCATION MAP
ZONE ATLAS MAP NO. B-10



FLOOD INSURANCE MAP
REFERENCE: FLOOD INSURANCE STUDY
PANEL 35001C0104G



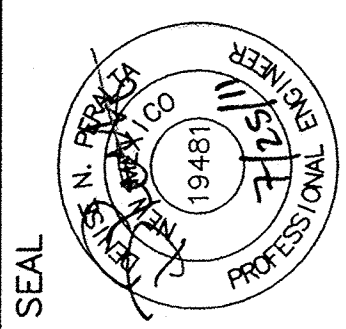
SOILS MAP
REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY

LEGEND

- UTILITY, WATER VALVE
- UTILITY, WATER VALVE VAULT
- TELEPHONE VAULT
- FIRE HYDRANT
- ELECTRICAL BOX
- ELECTRICAL, TRANSFORMER
- UTILITY, SANITARY CLEANOUT
- GAS VALVE
- LIGHT POLE
- POWER POLE
- TELEPHONE PEDESTAL
- SPRINKLER CONTROL BOX
- WATER METER
- STORM DRAIN
- GAS LINE, UNDERGROUND
- WATER LINE, UNDERGROUND
- TELEPHONE LINE, UNDERGROUND
- ELECTRIC LINE, UNDERGROUND
- ELECTRIC LINE, OVERHEAD
- SANITARY SEWER LINE
- FENCE, CHAINLINK
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING BASIN BOUNDARY
- PROPOSED BASIN BOUNDARY
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED STORM DRAIN
- DIRECTION OF FLOW



CONSULTANTS
Wilson & Company
4900 Lang Avenue NE
Albuquerque, NM 87109
Phone: (505) 348-4000



PROJECT NAME
JAMES MONROE MIDDLE SCHOOL
TRACK & FIELD
ALBUQUERQUE, NEW MEXICO

MARK	DATE	DESCRIPTION

PROJECT NO:
09-600-003-00
DRAWN BY: JLL
CHECKED BY: JRW
SHEET TITLE
OVERALL
GRADING
&
DRAINAGE
PLAN

SHEET
C-102

LEGAL DESCRIPTION
TR ONE ANNEXATION & DEDICATION PLAT OF CIBOLA H S PORT OF THE LDS OF ALB BOARD OF EDUCATION SITUATE WITHIN TOWN OF ALAMEDA GRANT

BENCH MARK
ACS 3/4" ALUMINUM CAP STAMPED "ACS 7-C10"
NEW MEXICO STATE PLANE COORDINATES
(CENTRAL ZONE)
X=358954.34 Y=1521776.00 NAD 1927
GOUND-TO-GRID FACTOR: 0.9996634



(A1) GRADING & DRAINAGE PLAN
SCALE: 1" = 20'

GENERAL NOTES

1. ALL UN-PAVED AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED PER SECTION 1012 AS DESCRIBED ON SHEET G-002.

SHEET KEY NOTES

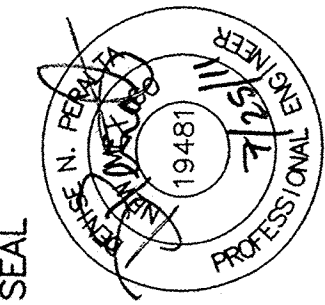
1. INSTALL 1-12" CATCH BASIN, SEE DETAIL C5/C-501.
2. INSTALL 6" DEEP ASPHALT RUNDOWN, SEE DETAIL C1/C-501.
3. INSTALL 12" DEEP ASPHALT RUNDOWN, SEE DETAIL B1/C-501.
4. TRANSITION FROM 6" DEEP ASPHALT RUNDOWN TO 12" DEEP ASPHALT RUNDOWN, SEE DETAILS B1/C-501 AND C1/C-501.
5. INSTALL GROUTED RIP-RAP PLUNGE POOL, SEE DETAILS A4/C-502 AND C4/C-502.
6. CURB CUT, SEE DETAIL C3/C-501.
7. IRRIGATION CONTROL BOXES TO REMAIN UNALTERED.
8. CURB CUT, SEE DETAIL C3/C-501.
9. INSTALL 6" DEEP EARTHEN SWALE, SEE DETAIL B1/C-502.
10. INSTALL GROUTED RIP-RAP, SEE DETAIL C4/C-502.
11. CONTRACTOR TO MINIMIZE DISTURBANCE TO EXISTING DIRT MOGULS.
12. REINSTALL RELOCATED FENCE.

LEGEND

- UTILITY, WATER VALVE
- UTILITY, WATER VALVE VAULT
- TELEPHONE VAULT
- FIRE HYDRANT
- ELECTRICAL BOX
- ELECTRICAL, TRANSFORMER
- UTILITY, SANITARY CLEANOUT
- GAS VALVE
- LIGHT POLE
- POWER POLE
- TELEPHONE PEDESTAL
- SPRINKLER CONTROL BOX
- WATER METER
- GAS LINE, UNDERGROUND
- WATER LINE, UNDERGROUND
- TELEPHONE LINE, UNDERGROUND
- ELECTRIC LINE, UNDERGROUND
- ELECTRIC LINE, OVERHEAD
- SANITARY SEWER LINE
- STORM DRAIN
- FENCE, CHAINLINK
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED STORM DRAIN
- PROPOSED RIP-RAP
- PROPOSED ASPHALT
- PROPOSED ROLLER RINK BOUNDARY
- DIRECTION OF FLOW
- TOP OF RIP-RAP
- TOP OF SIDEWALK
- FLOW LINE
- TOP OF ASPHALT
- MATCH EXISTING
- FINISHED GRADE
- TOP OF GRATE
- INVERT ELEVATION



WILSON & COMPANY
CONSULTANTS
4900 Lang Avenue NE
Albuquerque, NM 87109
Phone: (505) 348-4000



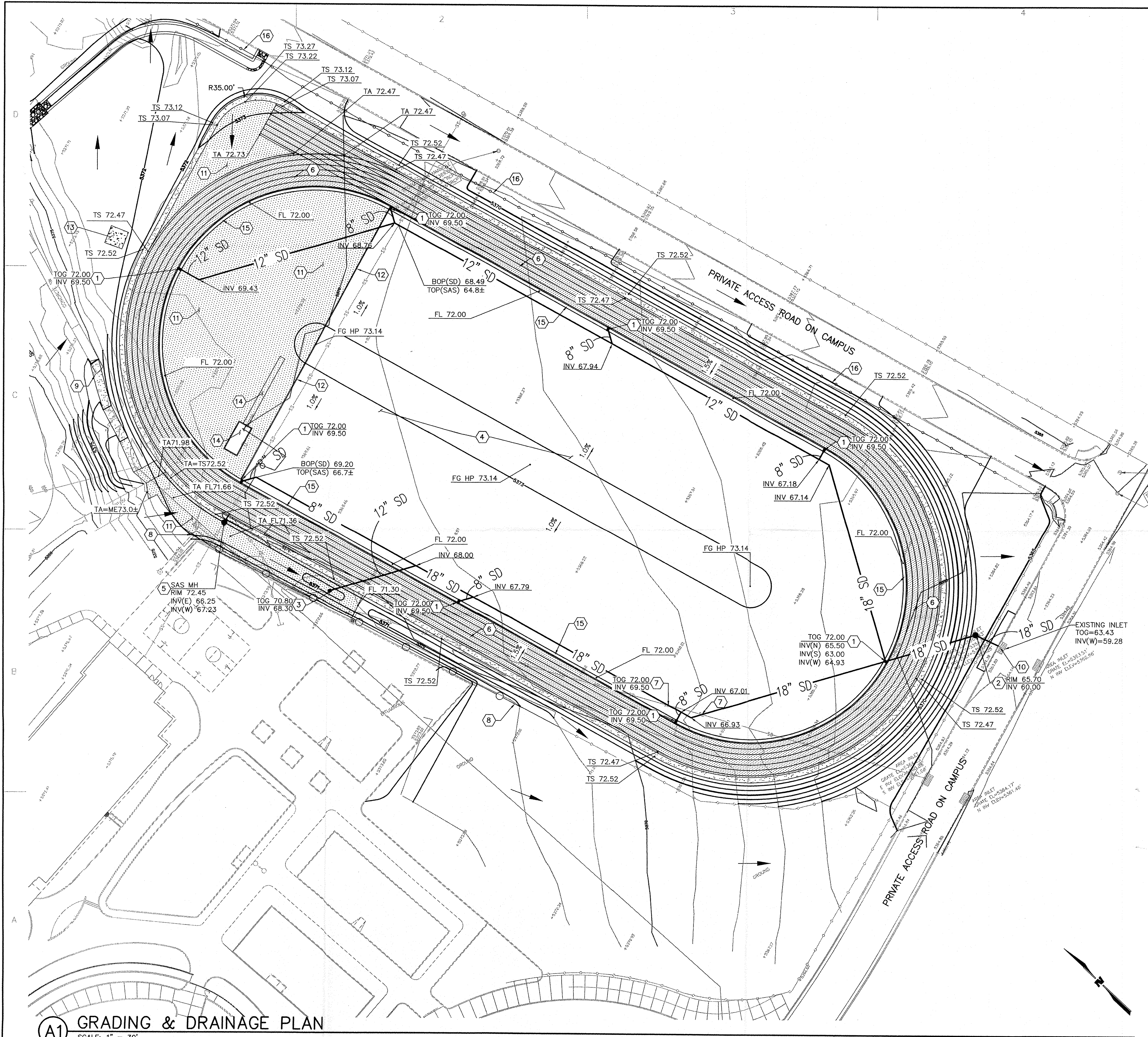
PROJECT NAME
**JAMES MONROE MIDDLE SCHOOL
TRACK & FIELD**

MARK	DATE	DESCRIPTION

PROJECT NO:
09-600-003-00
DRAWN BY: JLL
CHECKED BY: JRW
SHEET TITLE

**GRADING
&
DRAINAGE
PLAN 01**

SHEET
C-103



A1 GRADING & DRAINAGE PLAN
SCALE: 1" = 30'

GENERAL NOTES

1. ALL UN-PAVED AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED PER SECTION 1012 AS DESCRIBED ON SHEET G-002.

SHEET KEY NOTES

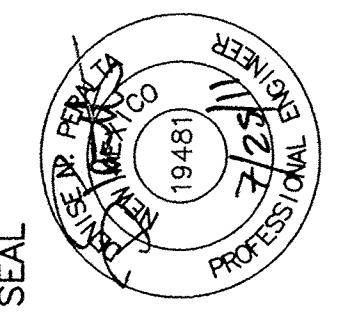
1. INSTALL 1-12" CATCH BASIN, SEE DETAIL C5/C-501.
2. INSTALL 1-6" TYPE "C" MH, PER NM APWA STD DWG 2101.
3. APPROX N 25312.60, APPROX E 61493.87
INSTALL 1-TYPE "D" INLET, PER NM APWA STD DWG 2206.
4. GRADE FIELD PER ELEVATIONS. SOD AND IRRIGATION DONE BY WESTWIND.
5. INSTALL 1-4" TYPE "C" MH, PER NM APWA STD DWG 2101.
INSTALL APPROXIMATELY 6 LF OF 6" SAS.
INSTALL 1-6"x6"x6" WYE.
6. SEE SHEET C-105 FOR TRACK STRIPING DETAILS AND LOCATION OF RADIUS MONUMENT.
7. POTHOLE AND LOCATE EXISTING STORM DRAIN PRIOR TO INSTALLATION. IF CONFLICTS EXIST CONTACT ENGINEER BEFORE PROCEEDING.
8. INSTALL 4'-0" H CHAINLINK FENCE. SEE DETAIL C1/C-502.
9. INSTALL 4" PCC SIDEWALK. SEE DETAIL B3/C-502.
10. CONNECT TO EXISTING INLET.
11. INSTALL 3" ASPHALT. SEE DETAIL C4/C-501.
12. INSTALL 6" W MOW CURB, PER NM APWA STD DWG 2726.
13. INSTALL 12'W x 12'L, 6" PCC PAD FOR SHED. SEE DETAIL A3/C-501.
TOP OF CONCRETE ELEVATION = 5372.30.
14. INSTALL LONG JUMP PIT AND RUNWAY, SEE DETAIL A1/C-501.
15. INSTALL 2'-0"W VALLEY GUTTER. SEE DETAIL B5/C-501.
16. REINSTALL CHAINLINK FENCE.

LEGEND

	UTILITY, WATER VALVE
	UTILITY, WATER VALVE VAULT
	TELEPHONE VAULT
	FIRE HYDRANT
	ELECTRICAL BOX
	ELECTRICAL, TRANSFORMER
	UTILITY, SANITARY CLEANOUT
	GAS VALVE
	LIGHT POLE
	POWER POLE
	TELEPHONE PEDESTAL
	SPRINKLER CONTROL BOX
	WATER METER
	GAS LINE, UNDERGROUND
	WATER LINE, UNDERGROUND
	TELEPHONE LINE, UNDERGROUND
	ELECTRIC LINE, UNDERGROUND
	ELECTRIC LINE, OVERHEAD
	SANITARY SEWER LINE
	STORM DRAIN
	FENCE, CHAINLINK
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED STORM DRAIN
	PROPOSED RIP-RAP
	PROPOSED ASPHALT
	DIRECTION OF FLOW
	PROPOSED 4" CONCRETE
	PROPOSED 6" CONCRETE
	TOP OF RIP-RAP
	TOP OF SIDEWALK
	FLOW LINE
	TOP OF ASPHALT
	MATCH EXISTING
	FINISHED GRADE
	TOP OF GRATE
	INVERT ELEVATION
	BOTTOM OF PIPE ELEVATION
	TOP OF PIPE ELEVATION



WILSON & COMPANY
CONSULTANTS
4900 Lang Avenue NE
Albuquerque, NM 87109
Phone: (505) 348-4000



PROJECT NAME
**JAMES MONROE MIDDLE SCHOOL
TRACK & FIELD**

MARK	DATE	DESCRIPTION

PROJECT NO:
09-600-003-00
DRAWN BY: JLL
CHECKED BY: JRW
SHEET TITLE

**GRADING
&
DRAINAGE
PLAN 02**

SHEET

C-104