CITY OF ALBUQUERQUE

FAX 348-4072

February 24, 2010

Jason R. Woodruff, P.E.
Wilson & Company, Inc.
4900 Lang Ave. NE
Albuquerque, NM 87109

Re: James Monroe Middle School New Track and Field Grading and Drainage Plan

Engineer's Stamp dated 1-18-10 (B10/D004)

Dear Mr. Woodruff,

Based upon the information provided in your submittal received 2-12-10, the above referenced plan is approved for Grading Permit and Paving Permit.

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

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

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

Sincerely,

Curtis A. Cherne

Curtis A. Cherne, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: file

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

CITY OF ALBUQUERQUE

February 24, 2010

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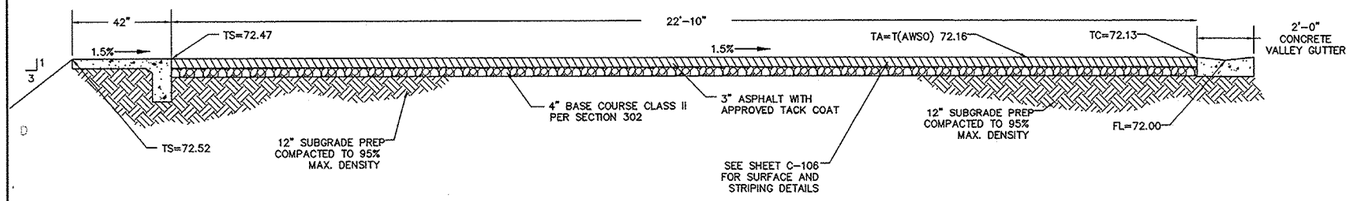
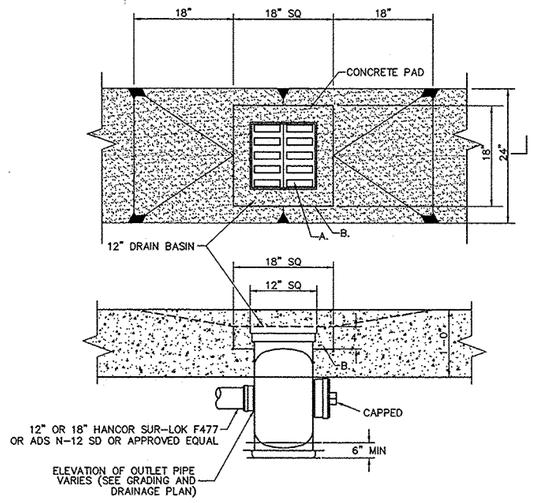


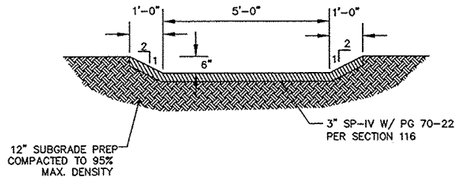
D1 TRACK TYPICAL SECTION–PAVEMENT AND TRACK SURFACE

SCALE: NTS



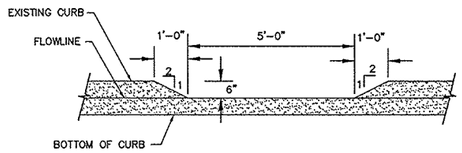
CONSTRUCTION NOTES

A. PERFORATED CAST IRON GRATE WITH HINGED BASE
B. CIP CONCRETE: 28 DAY STRENGTH fc=3000 psi



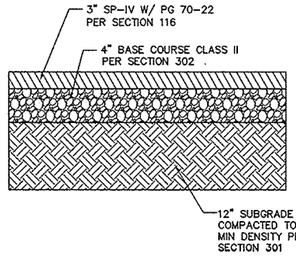
C1 6" ASPHALT RUNDOWN

SCALE: 1"= 2'



C3 6" CURB CUT DETAIL A

SCALE: 1"= 2'

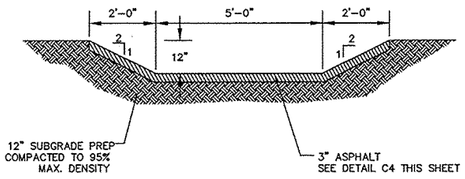


C4 3" ASPHALT SECTION

SCALE: 1" = 1'

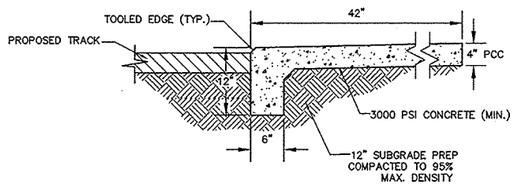
C5 12" CATCH BASIN

SCALE: 1"=1'



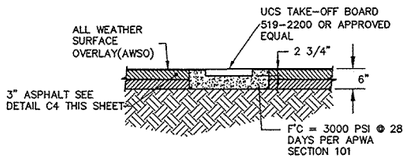
B1 12" ASPHALT RUNDOWN

SCALE: NTS



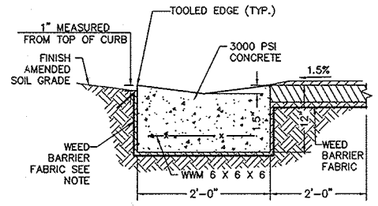
B3 CONCRETE TURNDOWN SIDEWALK

SCALE: 1"=1'



B4 TAKE-OFF BOARD DETAIL

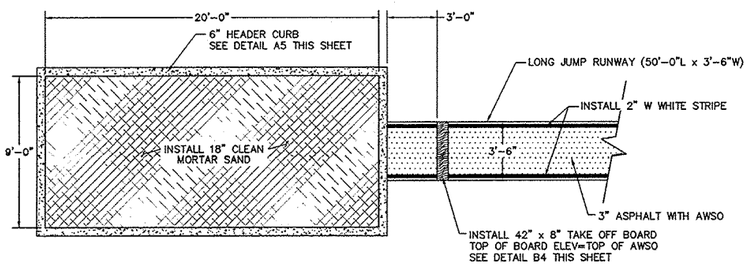
SCALE: NTS



NOTE:
WEED BARRIER SHALL EXTEND BELOW ALL FUTURE PAVING AREAS, INCLUDING 2" PAVEMENT SECTION AND 3" PAVEMENT SECTION, AND BELOW NEW VALLEY GUTTER. REFER TO LANDSCAPE SPECIFICATIONS FOR BARRIER REQUIREMENTS.

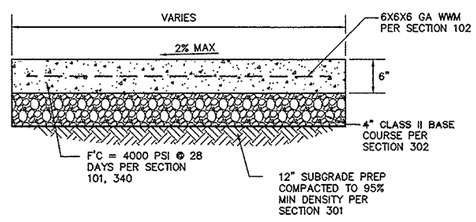
B5 VALLEY GUTTER

SCALE: 1"=1'



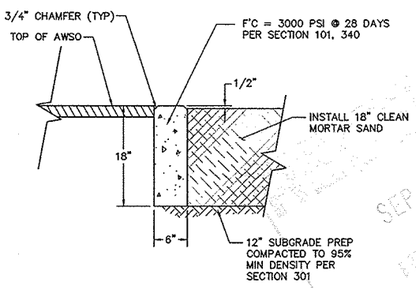
A1 LONG JUMP SAND PIT AND RUNWAY DETAIL

SCALE: 1" = 4'



A3 6" PCC DETAIL

SCALE: NTS



A5 6" HEADER CURB

SCALE: 1"=1'

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

SEAL

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
SITE DETAILS 01

SHEET
C-501

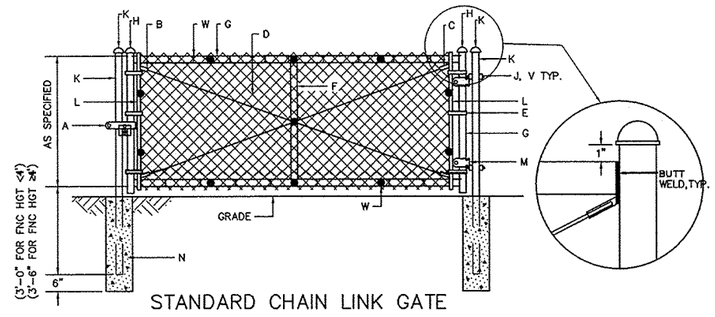
M:\IDS\09-600-003-00\CADD\SHEETS\DETAILS\96000300_DTLS.dwg 1/13/2009 10:29:06 AM MST

GENERAL NOTES:

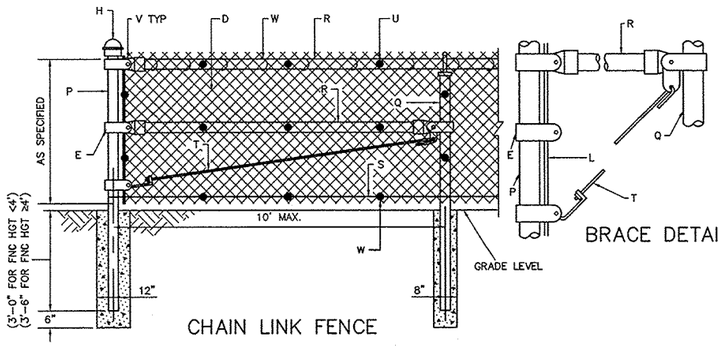
1. GATE TO BE USED AS SPECIFIED ON CONSTRUCTION DRAWINGS FOR DRAINAGE EASEMENT BARRICADE, SEE DWG 2251 OR DWG 2253.
2. SINGLE LEAF GATES WILL BE USED ON OPENINGS OF 12' OR LESS. FOR MORE THAN 12', DOUBLE LEAF GATES SHALL BE USED, WITH A CENTER LOCK POST INSERTED IN A PIPE SLEEVE IN CENTER OF OPENING.
3. DIMENSIONS ABOVE OR BELOW GRADE LEVEL WILL BE ON CONSTRUCTION DRAWINGS. IF NONE ARE NOTED, MESH IS FLUSH WITH GRADE LEVEL.
4. ALL METAL ITEMS, INCLUDING PIPE, SHALL BE GALV STEEL. ALL PIPE SHALL BE NOMINAL SIZE, SCHEDULE 40.

CONSTRUCTION NOTES:

A. GATE LATCH WITH VANDAL PROOF SHIELD & PADLOCK (PADLOCK TO BE FURNISHED BY THE CITY).
B. 2– 3/8" TRUSS RODS, WELDED AT CORNERS.
C. 2– 3/8" THREADED TRUSS RODS AND BRACKET ATTACHMENT.
D. 2" NO 9 GAUGE CHAIN LINK GALV WIRE FABRIC.
E. STEEL TENSION BANDS AT 18" OR LESS OC.
F. BRACE, 1 1/4" DIA, WELDED TO FRAME.
G. GATE FRAME, 2" DIA (2.375 OD) WELDED.
H. MALLEABLE ACORN CAP.
J. 4" J–BOLT, THREADED.
K. 3 1/2" GATE POST (4" OD) WITH WELDED STEEL CAP.
L. TENSION BAR 1/4" X 3/4".
M. GATE CLAMP.
N. 12" DIA HOLES, FILLED WITH PORTLAND CEMENT CONC.
P. CORNER POST 2 1/2" DIA (2.875 OD).
Q. LINE POST 2" DIA (2.375 OD).
R. TOP AND BRACE RAILS 1 1/4" DIA (1.660 OD).
S. WIRE REINFORCEMENT, 9 GAUGE, INSTALL 3" ABOVE BOTTOM OF FABRIC.
T. TRUSS ROD 3/8" DIA.
U. FABRIC SHALL BE TACK WELDED TWO PLACES TO EACH TENSION BAR AND THREE PLACES TO ALL TOP AND BRACE RAILS BETWEEN POSTS.
V. ALL NUTS, BOLTS, AND OTHER CONNECTIONS SHALL BE TACK WELDED.
W. WIRE TIES, 9 GA GALV STEEL AT 18" OC.



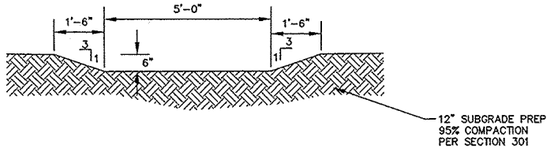
STANDARD CHAIN LINK GATE



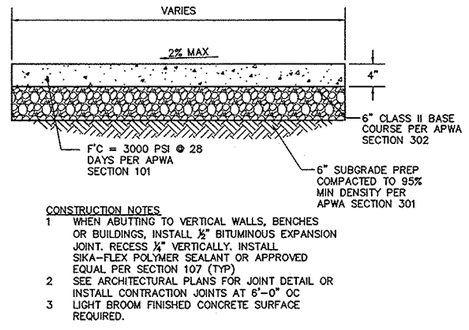
CHAIN LINK FENCE

BRACE DETAIL

C1 CHAINLINK FENCE AND GATE DETAIL
SCALE: NTS

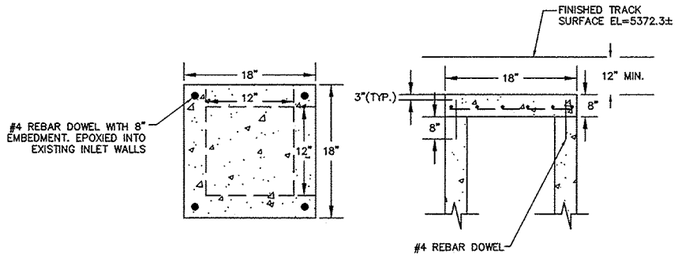


B1 6" EARTHEN SWALE
SCALE: 1" = 2'

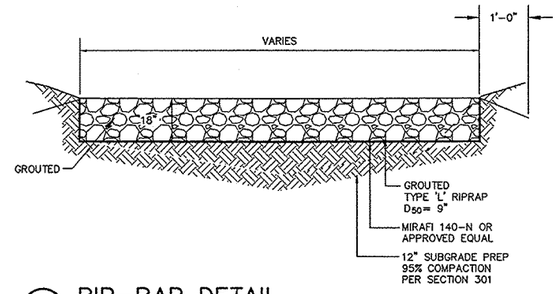


CONSTRUCTION NOTES
1 WHEN ABUTTING TO VERTICAL WALLS, BENCHES OR BUILDINGS, INSTALL ½" BITUMINOUS EXPANSION JOINT. RECESS ¼" VERTICALLY. INSTALL SIKA–FLEX POLYMER SEALANT OR APPROVED EQUAL PER SECTION 107 (TYP)
2 SEE ARCHITECTURAL PLANS FOR JOINT DETAIL OR INSTALL CONTRACTION JOINTS AT 6'–0" OC
3 LIGHT BROOM FINISHED CONCRETE SURFACE REQUIRED.

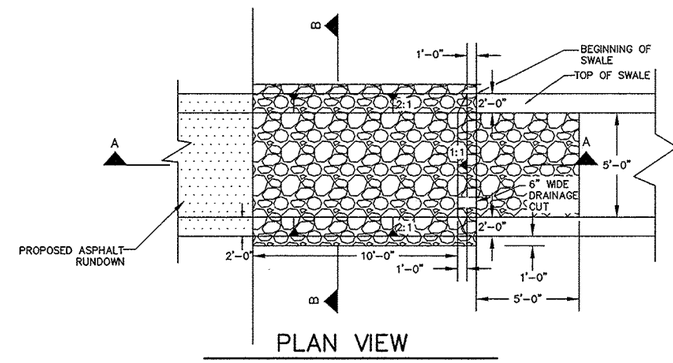
B3 4" PCC DETAIL
SCALE: NTS



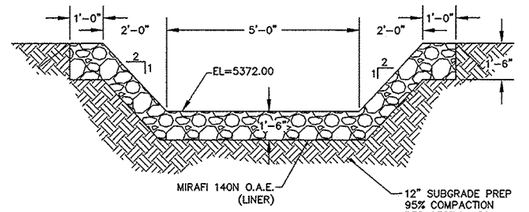
A3 INLET CAP
SCALE: NTS



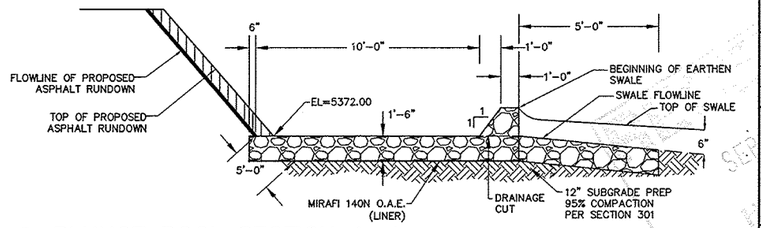
C4 RIP–RAP DETAIL
SCALE: NTS



PLAN VIEW



PLUNGE POOL SECTION B–B



A4 PLUNGE POOL SECTION A–A
SCALE: NTS

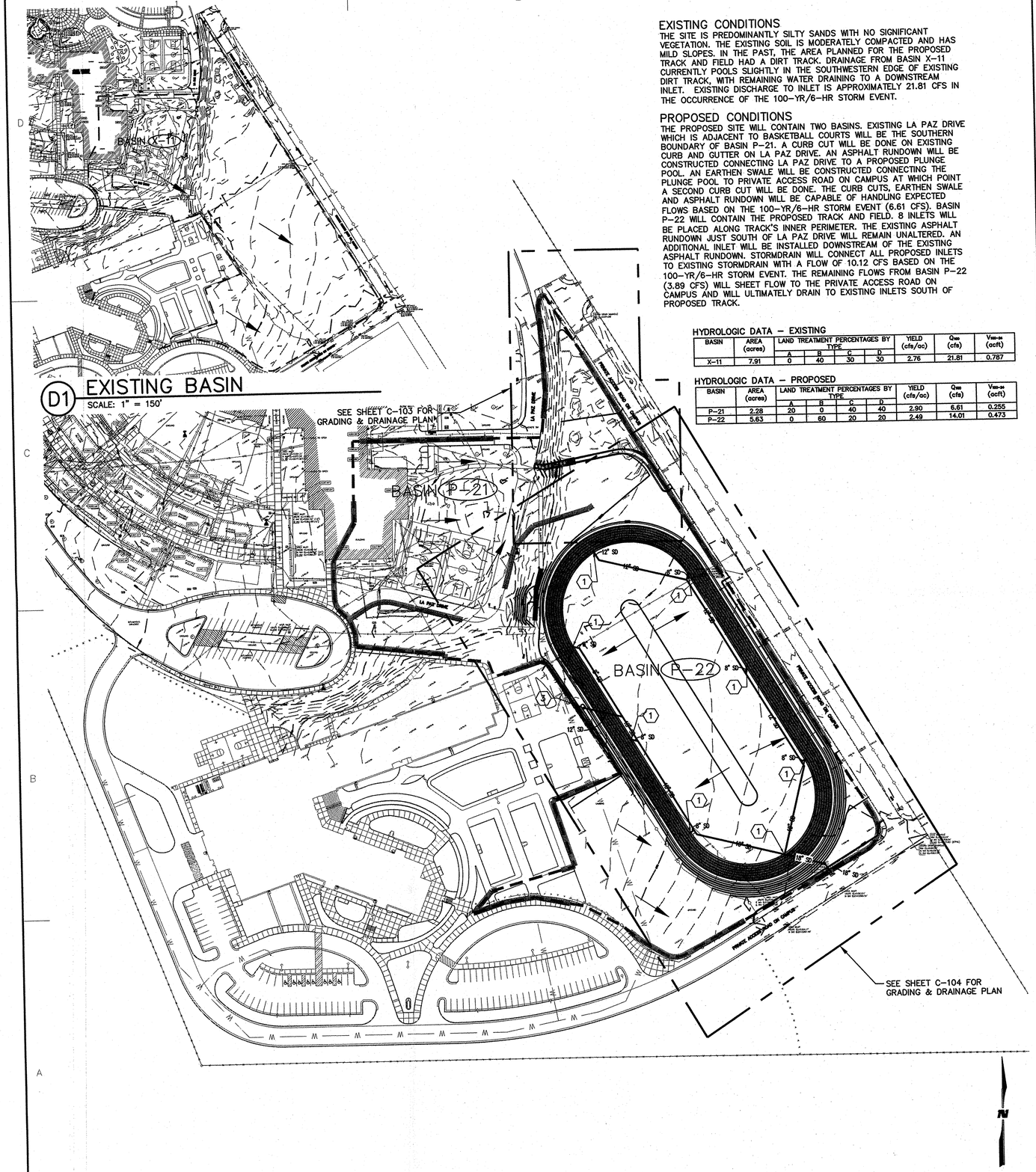
CONSULTANTS
WILSON & COMPANY
4900 Lang Avenue NE
Albuquerque, NM 87109
Phone: (505) 348–4000

SEAL

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
SITE DETAILS 02
SHEET
C–502



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 HAD 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

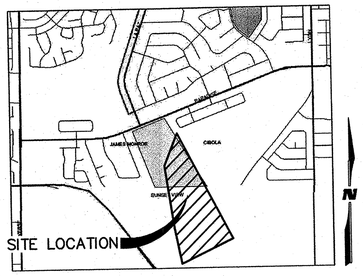
THE PROPOSED SITE WILL CONTAIN TWO BASINS. EXISTING LA PAZ DRIVE WHICH IS ADJACENT TO BASKETBALL COURTS WILL BE THE SOUTHERN BOUNDARY OF BASIN P-21. A CURB CUT WILL BE DONE ON EXISTING CURB AND GUTTER ON LA PAZ DRIVE. AN ASPHALT RUNDOWN WILL BE CONSTRUCTED CONNECTING LA PAZ DRIVE TO A PROPOSED PLUNGE 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. 8 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 10.12 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_{100} (cfs)	$V_{100\text{-}6h}$ (acft)
		A	B	C	D			
X-11	7.91	0	40	30	30	2.76	21.81	0.787

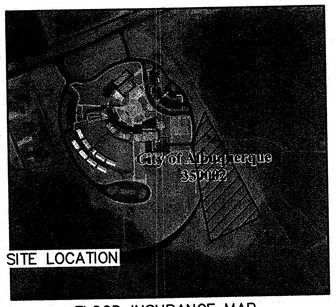
HYDROLOGIC DATA - PROPOSED

BASIN	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q_{100} (cfs)	$V_{100\text{-}6h}$ (acft)
		A	B	C	D			
P-21	2.28	20	0	40	40	2.90	6.61	0.255
P-22	5.63	0	60	20	20	2.49	14.01	0.473



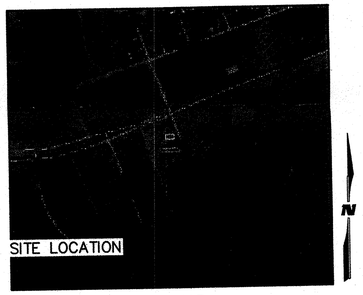
LOCATION MAP

ZONE ATLAS MAP NO. B-10



FLOOD INSURANCE MAP

REFERENCE: FLOOD INSURANCE STUDY PANEL 35001C0104G



SOILS MAP

REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY

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

BENCHMARK USED IS AN ACS ALUMINUM DISK STAMPED "ACS BM, 2-A13", EPOXIED TO TOP OF CONCRETE CURB AT THE SOUTH-SOUTHEAST QUADRANT OF VISTA DEL SOL DR. & VISTA DEL SOL COURT, N.W. ELEVATION = 5121.119

SHEET KEY NOTES

1. INSTALL 1-12" CATCH BASIN, SEE DETAIL C5/C-501.
2. INSTALL 1-6'ø TYPE "C" MH, PER NM APWA STD DWG 2101.
3. INSTALL 1-TYPE "D" INLET, PER NM APWA STD DWG 2206.
4. SEE LANDSCAPING AND IRRIGATION PLANS FOR DETAILS ON FIELD.

LEGEND

- EXISTING BASIN BOUNDARY
- PROPOSED BASIN BOUNDARY
- 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
- SD — STORM DRAIN
- G — GAS LINE, UNDERGROUND
- W — WATER LINE, UNDERGROUND
- UGT — TELEPHONE LINE, UNDERGROUND
- UGE — ELECTRIC LINE, UNDERGROUND
- OHE — ELECTRIC LINE, OVERHEAD
- SS — SANITARY SEWER LINE
- FENCE, CHAINLINK
- 4930 — EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- 4930 — PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- SD — PROPOSED STORM DRAIN
- DIRECTION OF FLOW

RECEIVED
FEB 23 2010
HYDROLOGY SECTION

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

SEAL

PROJECT NAME
JAMES MONROE MIDDLE SCHOOL
NEW 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

M:\DS\09-600-003-00\CADD\SHEETS\G&D\96000300_GD.dwg 11/10/2009 9:09:59 AM MST

SHEET KEY NOTES

1. INSTALL 1–12" CATCH BASIN, SEE DETAIL C5/C–501.
2. INSTALL 6" ASPHALT RUNDOWN. SEE DETAIL C1/C–501.
3. INSTALL 12" ASPHALT RUNDOWN. SEE DETAIL B1/C–501.
4. TRANSITION FROM 6" ASPHALT RUNDOWN TO 12" 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. SAWCUT CURB. SEE DETAIL C3/C–501.
7. IRRIGATION CONTROL BOXES TO REMAIN UNALTERED.
8. SAWCUT CURB. SEE DETAIL A1/C–502.
9. INSTALL 6" EARTHEN SWALE. SEE DETAIL B1/C–502.
10. INSTALL GROUTED RIP–RAP. SEE DETAIL C4/C–502.

LEGEND

- EXISTING BASIN BOUNDARY
- PROPOSED BASIN BOUNDARY
- UTILITY, WATER VALVE
- UTILITY, WATER VALVE VAULT
- TELEPHONE VAULT
- FIRE HYDRANT
- ELECTRICAL BOX
- ELECTRICAL, TRANSFORMER
- UTILITY, SANITARY CLEANOUT
- GAS VALVE
- LIGHT POLE
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- WATER METER
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- UGE — ELECTRIC LINE, UNDERGROUND
- OHE — ELECTRIC LINE, OVERHEAD
- SS — SANITARY SEWER LINE
- SD — STORM DRAIN
- FENCE, CHAINLINK
- 4930 — EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- 4930 — PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- SD — PROPOSED STORM DRAIN
- PROPOSED RIP–RAP
- PROPOSED ASPHALT
- PROPOSED ROLLER RINK BOUNDARY
- DIRECTION OF FLOW

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

RECEIVED
FEB 23 2010
HYDROLOGY SECTION

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

SEAL

MARK	DATE	DESCRIPTION

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

PROJECT NO: 09–600–003–00
DRAWN BY: JLL
CHECKED BY: JRW

SHEET TITLE
GRADING & DRAINAGE PLAN 01

SHEET
C–103

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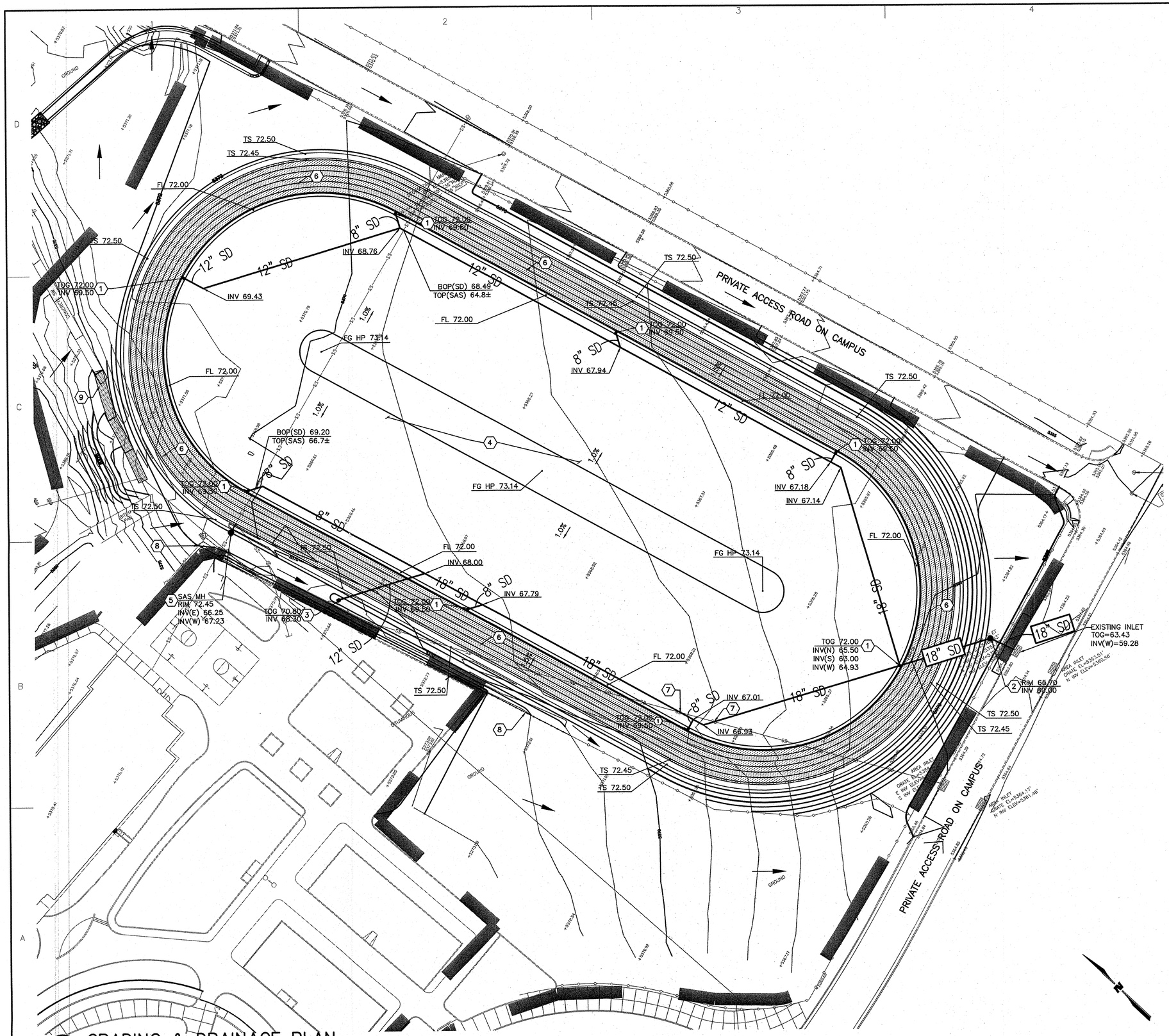

A1 GRADING & DRAINAGE PLAN
SCALE: 1" = 30'

SHEET KEY NOTES

1. INSTALL 1–12" CATCH BASIN, SEE DETAIL C5/C–501.
2. INSTALL 1–6'ø TYPE "C" MH, PER NM APWA STD DWG 2101.
3. N 25312.60 E 61493.87
   INSTALL 1–TYPE "D" INLET, PER NM APWA STD DWG 2206.
4. SEE LANDSCAPING AND IRRIGATION PLANS FOR DETAILS ON FIELD.
5. INSTALL 1–4'ø TYPE "C" MH, PER NM APWA STD DWG 2101.
6. SEE SHEET C–106 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.

LEGEND

- PROPOSED BASIN BOUNDARY
- 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
- PROPOSED CONCRETE

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SEAL
JOHN R. WOODWARD
NEW MEXICO
7179
REGISTERED PROFESSIONAL ENGINEER

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

MARK	DATE	DESCRIPTION

PROJECT NO: 09–600–003–00
DRAWN BY: JLL
CHECKED BY: JRW
SHEET TITLE
GRADING & DRAINAGE PLAN 02
SHEET
C–104

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