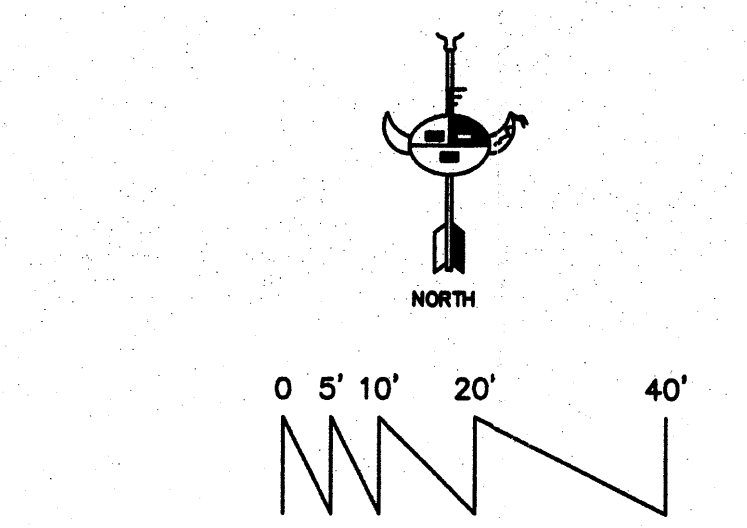


PARKING CALCULATION

NON-CONFORMING SITE
 AMOUNT OF PARKING SPACES NOT DICTATED ON A NON-COMFORMING SITE
 2 are handicapped/ADA spaces
 Subtotal = 20.0 cars

RECEIVED
 DEC 07 2004
 HYDROLOGY SECTION



TRAFFIC CIRCULATION PLAN

SYMBOL LEGEND

PROPERTY LINE
 DIRECTION OF TRAVEL

LEGAL DESCRIPTION:

LOTS 1-8 BLOCK 14 SANDIA PLAZA
 CITY OF ALBUQUERQUE
 BERNALILLO COUNTY

ABBREVIATION LEGEND

TOP OF CON. PAD - TCP
 TOP OF CURB - TC
 TOP OF ASPHALT - TA
 FLOWLINE - FL
 TOP OF WALL - TW
 ROOF FLOWS - RF
 TOP OF SIDEWALK - TSW

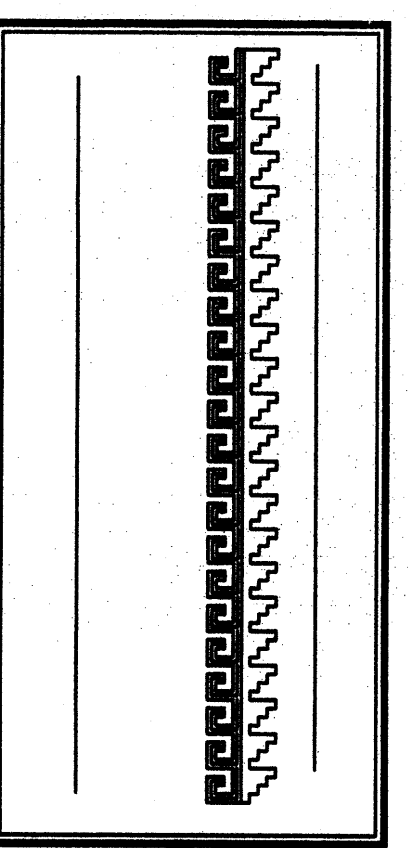
TRAFFIC CIRCULATION LAYOUT
 APPROVED
 [Signature] 12/21/04
 Signed Date

Public Infrastructure shown
 on these plans for information
 only and not part of approval.
 Separate DRC/Permit approval
 and Work Order required.



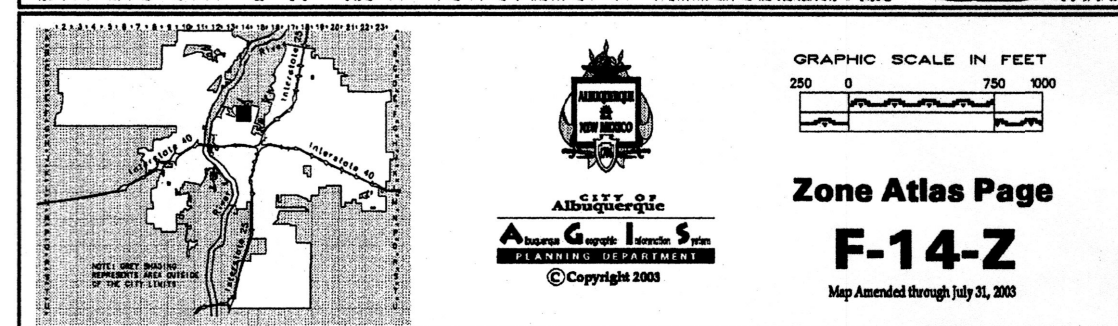
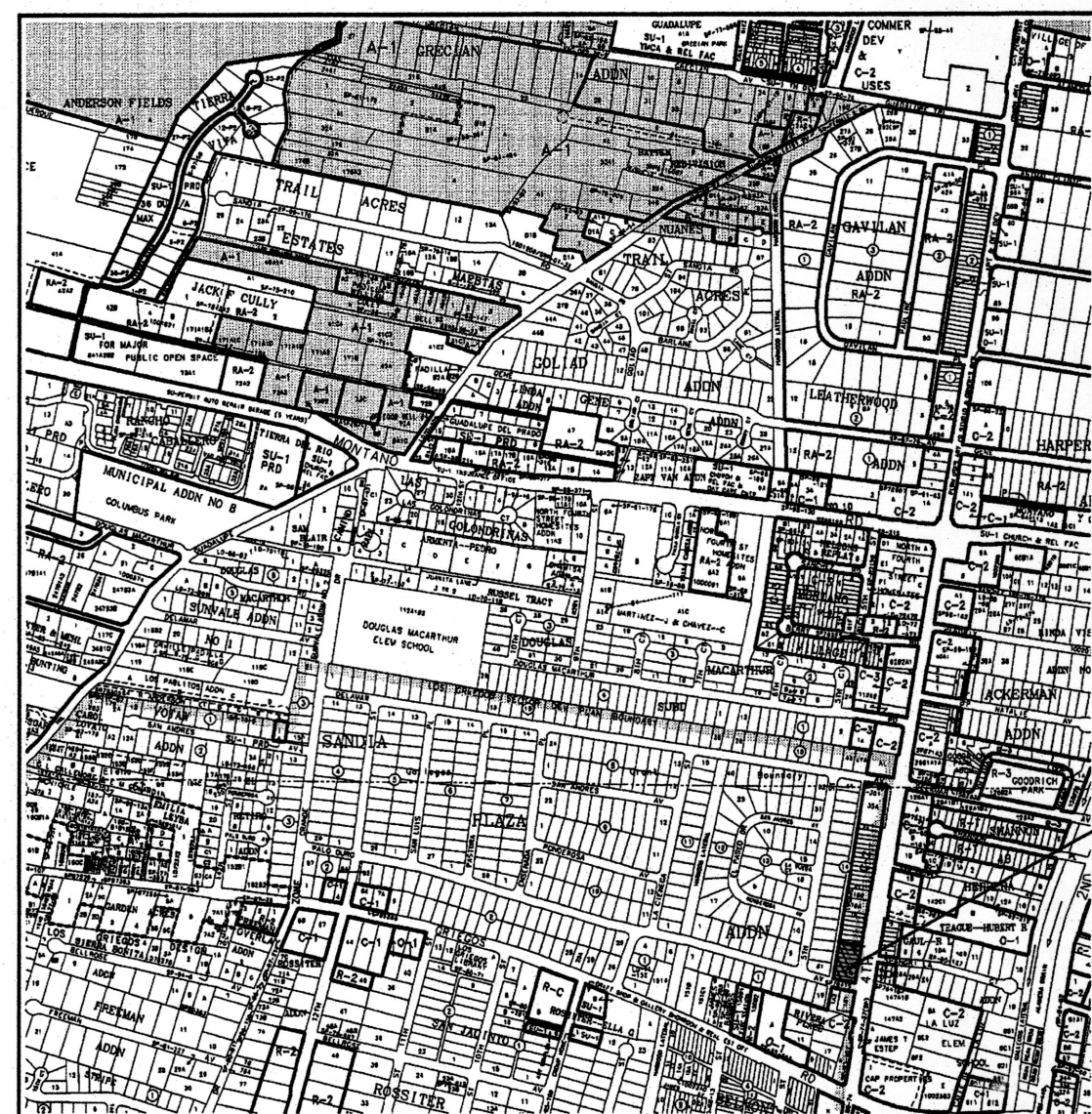
JOB NO:	XXXXXXXX
DATE:	NOVEMBER 2004
REVISIONS:	

Sheet Title
 TRAFFIC CIRCULATION PLAN
 Drawn By: H Hood & BMM Checked By: ES



Project Name
 LOS PUENTES CHARTER SCHOOL
 4903 NORTH 4TH STREET N.W.
 ALBUQUERQUE, NEW MEXICO

SHEET NO.
 TCL



VICINITY MAP F-14 FLOOD MAP PANEL 0361D

GRADING/PAVING PLAN

THE FOLLOWING ITEMS CONCERNING LOTS 1-8, BLOCK 14, SANDIA PLAZA ADDITION, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO (4903 NORTH FOURTH STREET N.W.) ARE CONTAINED HEREON:

EXISTING CONDITIONS

AS SHOWN BY THE VICINITY MAP, THE SITE CONTAINS 0.2409 ACRES AND IS LOCATED AT THE NORTHWEST QUADRANT OF THE INTERSECTION OF PALO DURO DRIVE N.W. AND NORTH FOURTH STREET N.W. CURRENTLY THE SITE IS FULLY DEVELOPED WITH A 5000 + 500 FT. BUILDING ALONG WITH PAVED PARKING. THE SITE SLOPES FROM EAST TO WEST TOWARDS THE BUILDING. AS SHOWN BY THE FLOOD INSURANCE RATE MAP, PANEL 0118E, DATED NOVEMBER 18, 2004, THIS SITE IS NOT LOCATED WITHIN A DESIGNATED FLOOD ZONE, NOR DOES IT CONTRIBUTE TO ANY DOWNSTREAM FLOODING.

PROPOSED CONDITIONS

AS SHOWN BY THE GRADING/PAVING PLAN, THE PROJECT WILL CONSIST OF REMOVAL OF THE EXISTING ASPHALT PAVING AND PLACEMENT OF NEW ASPHALT ACCORDING TO THE SPOT ELEVATIONS SHOWN ON THE GRADING/PAVING PLAN. ALL THE RUN-OFF MUST BE ROUTED TOWARDS THE PROPOSED INLET. THE PROPOSED INLET WILL PUMP THE RUN-OFF TOWARDS AN EXISTING STORM INLET LOCATED ON PALO DURO DRIVE N.W. (AS SHOWN ON THE PLAN DRAWING). THE CALCULATIONS, WHICH APPEAR HEREON, ANALYZE BOTH THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40-ACRES AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2 OF VOLUME 1 OF THE DPM WAS USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUN-OFF GENERATED.

PROJECT AREA = 0.2409 ac.
BASIN A LOS PUENTES CHARTER SCHOOL 4903 4TH STREET N.W.

PRECIPITATION: 360 = 2.35 in.
1440 = 2.75 in.
10607 = 3.95 in.

EXCESS PRECIPITATION: PEAK DISCHARGE:

TREATMENT A 0.53 in. 1.55 cfs/ac.
TREATMENT B 0.78 in. 2.28 cfs/ac.
TREATMENT C 1.13 in. 3.14 cfs/ac.
TREATMENT D 2.12 in. 4.70 cfs/ac.

EXISTING CONDITIONS: PROPOSED CONDITIONS:
TREATMENT A 0 ac. 0 ac.
TREATMENT B 0 ac. 0 ac.
TREATMENT C 0 ac. 0 ac.
TREATMENT D 0.2409 ac. 0.2409 ac.

EXISTING EXCESS PRECIPITATION:

Weighted E = (0.53 in.)(0.00 ac.)(0.78 in.)(0.00 ac.)(1.13 in.)(0.00 ac.)(2.12 in.)(0.24 ac.)(0.24 ac.)

V100-360 = (2.12 in.)(0.24 ac.)/12 = 0.042559 ac-ft = 1854 CF

EXISTING PEAK DISCHARGE:

Q100 = (1.56 in.)(0.00 ac.)(2.28 in.)(0.00 ac.)(3.14 in.)(0.00 ac.)(4.70 in.)(0.24 ac.)(0.24 ac.) = 1.13 cfs

PROPOSED EXCESS PRECIPITATION:

Weighted E = (0.53 in.)(0.00 ac.)(0.78 in.)(0.00 ac.)(1.13 in.)(0.00 ac.)(2.12 in.)(0.24 ac.)(0.24 ac.)

V100-360 = (2.12 in.)(0.24 ac.)/12 = 0.042559 ac-ft = 1854 CF

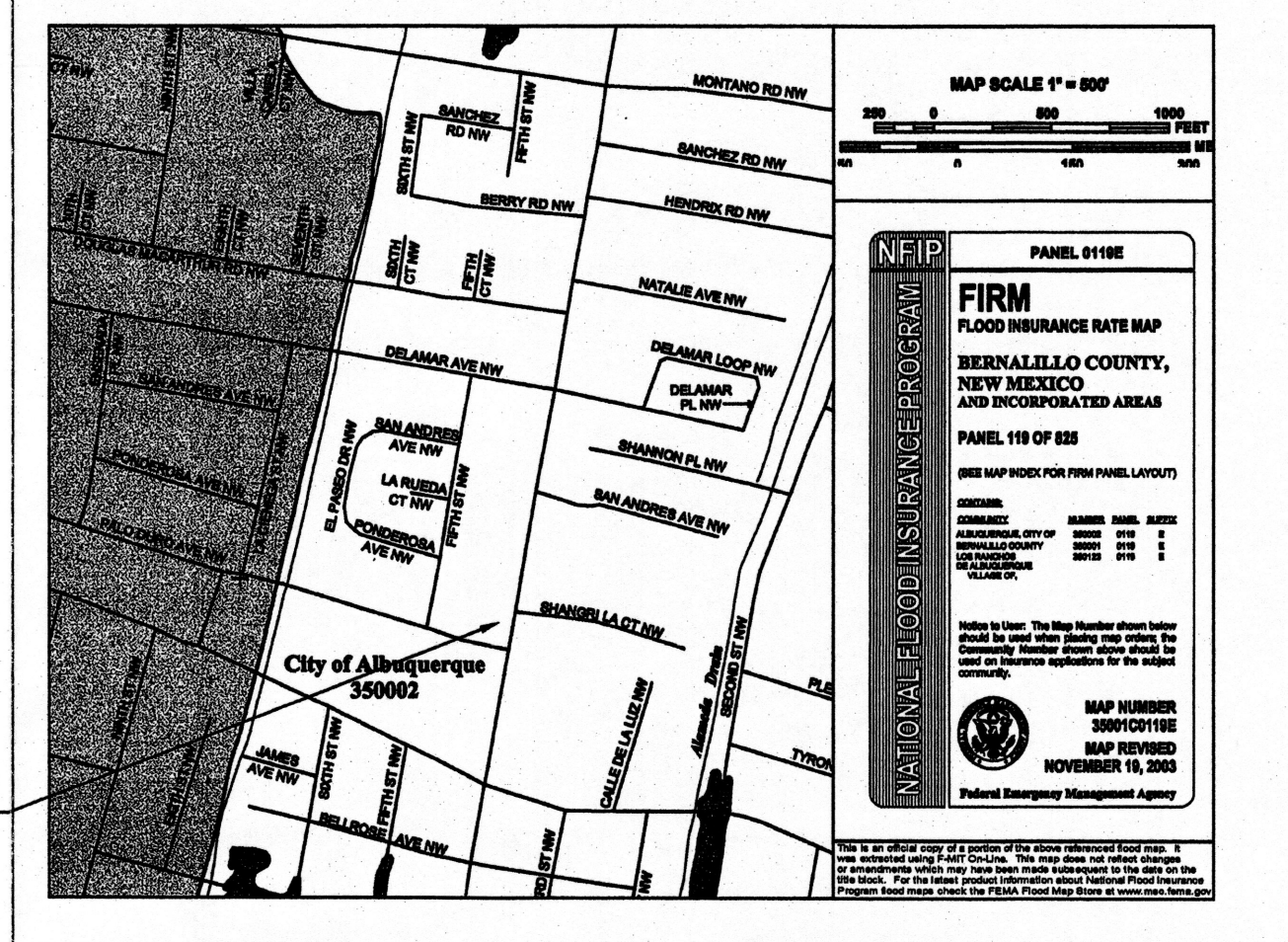
V100-1440 = (0.04 in.)(0.24 ac.)(2.75 - 2.35 in.)/12 = 0.050589 ac-ft = 2204 CF

V100-10607 = (0.04 in.)(0.24 ac.)(3.95 - 2.35 in.)/12 = 0.074679 ac-ft = 3253 CF

PROPOSED PEAK DISCHARGE:

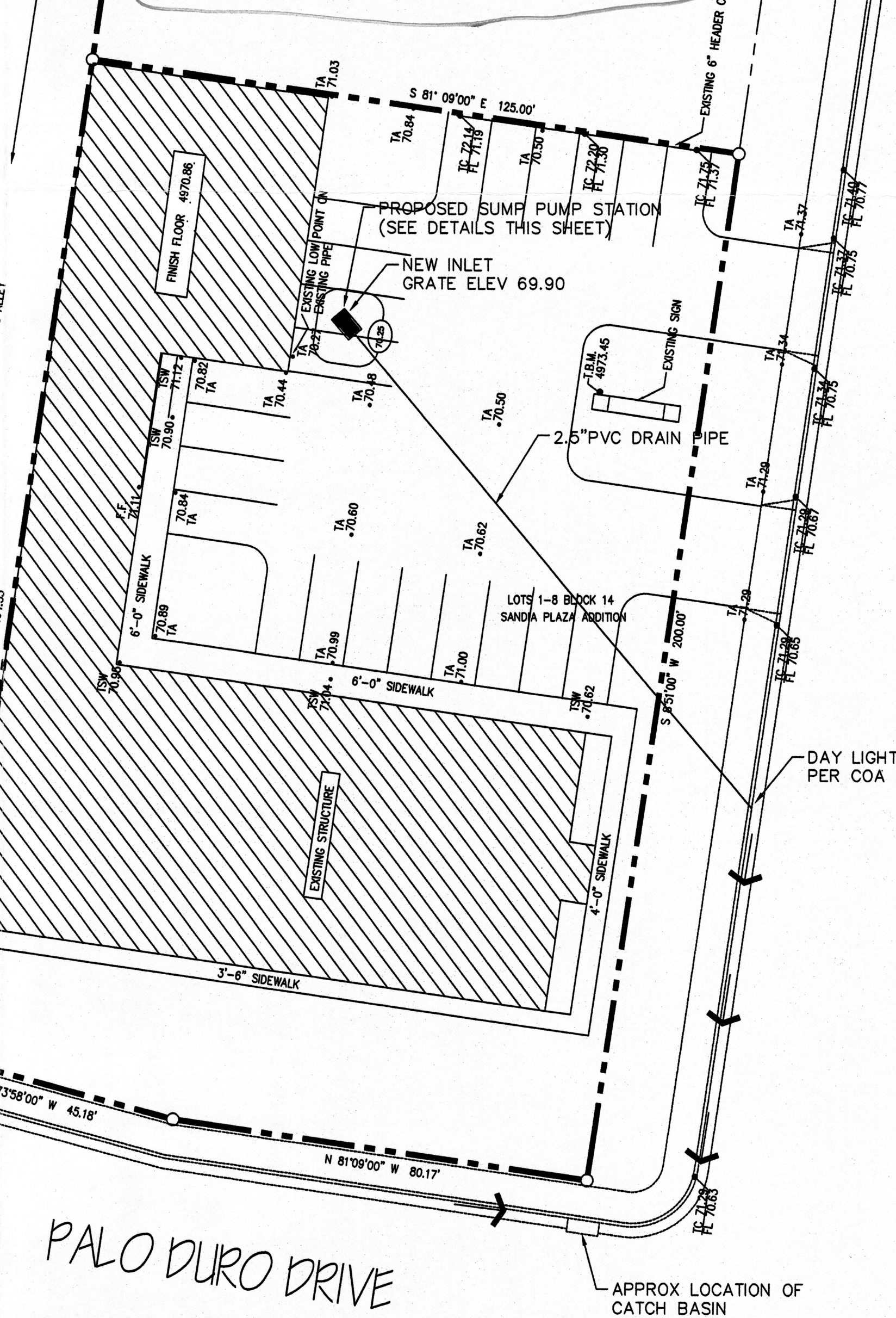
Q100 = (1.56 in.)(0.00 ac.)(2.28 in.)(0.00 ac.)(3.14 in.)(0.00 ac.)(4.70 in.)(0.24 ac.)(0.24 ac.) = 1.13 cfs

Is there no landscaped area here?
None, exists is completely paved



NOTE:

- BUILDING ROOF DRAINS ALL TO THE ALLEY VIA DOWNSPOUTS
- MAINTENANCE OF THE PUMP AND SAND TRAP IS IMPORTANT THIS IS THE ONLY SOLUTION THAT WILL WORK BECAUSE OF THE EXISTING FINISH FLOOR ELEVATION. NO LIABILITY TO THE ENGINEER IF THE PUMPS ARE TO FAIL FOR ANY REASON



GRADING/ DRAINAGE PLAN

SYMBOL LEGEND

- EXISTING CONTOUR 4970
PROPOSED CONTOUR 70.50
EXISTING SPOT ELEVATION 71.00
PROPERTY LINE
EASEMENT LINE
FLOW DIRECTION
EXISTING SPOT ELEVATION 146.0
DOWN SPOUT
NEW SPOT ELEVATION

ABBREVIATION LEGEND

- TOP OF CON. PAD - TOP
TOP OF CURB - TC
TOP OF ASPHALT - TA
FLOWLINE - FL
TOP OF WALL - TW
TOP OF GRATE - TG
TOP OF SIDEWALK - TSW

BENCHMARK:

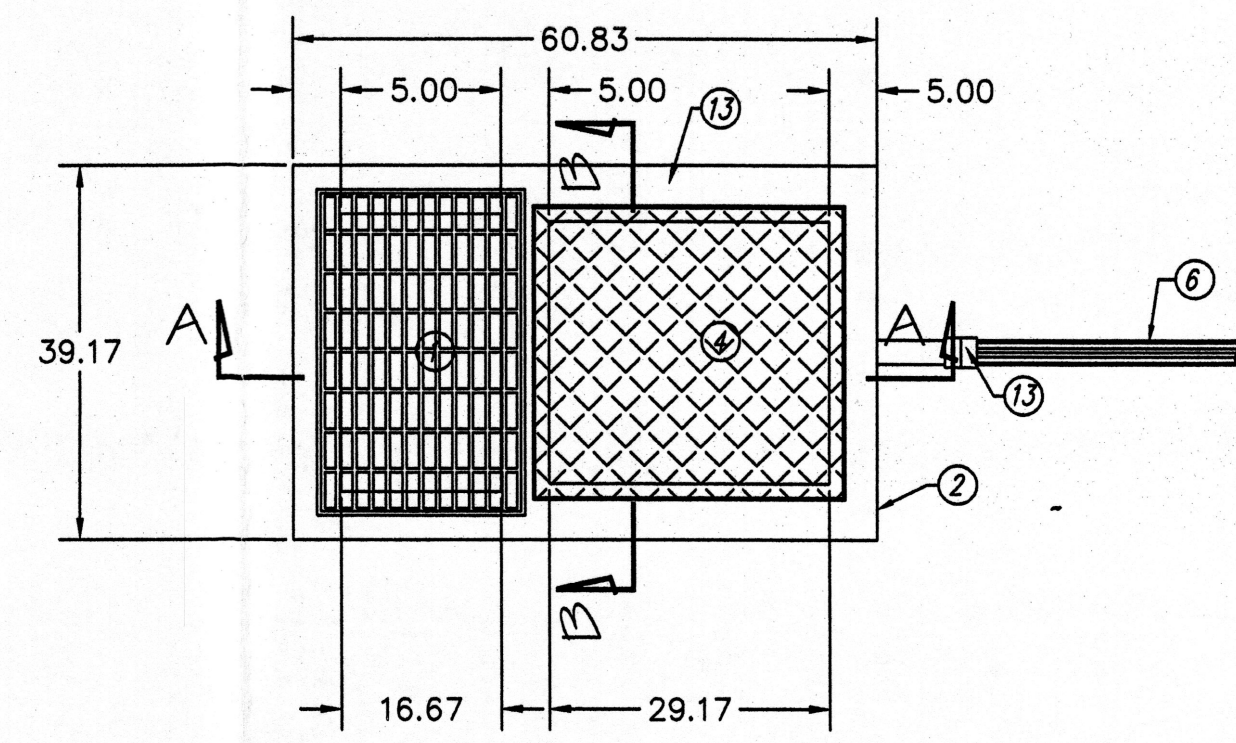
"ACS BM, 18-G14 EPOXIED ON TOP OF CONCRETE CURB CENTERED ON A DROP INLET NNW QUADRANT OF 4TH & GREGOS ELEVATION: 4970.277

T.B.M.

TOP OF IRON PIPE SHOWN ON PLAN ELEVATION: 4973.45

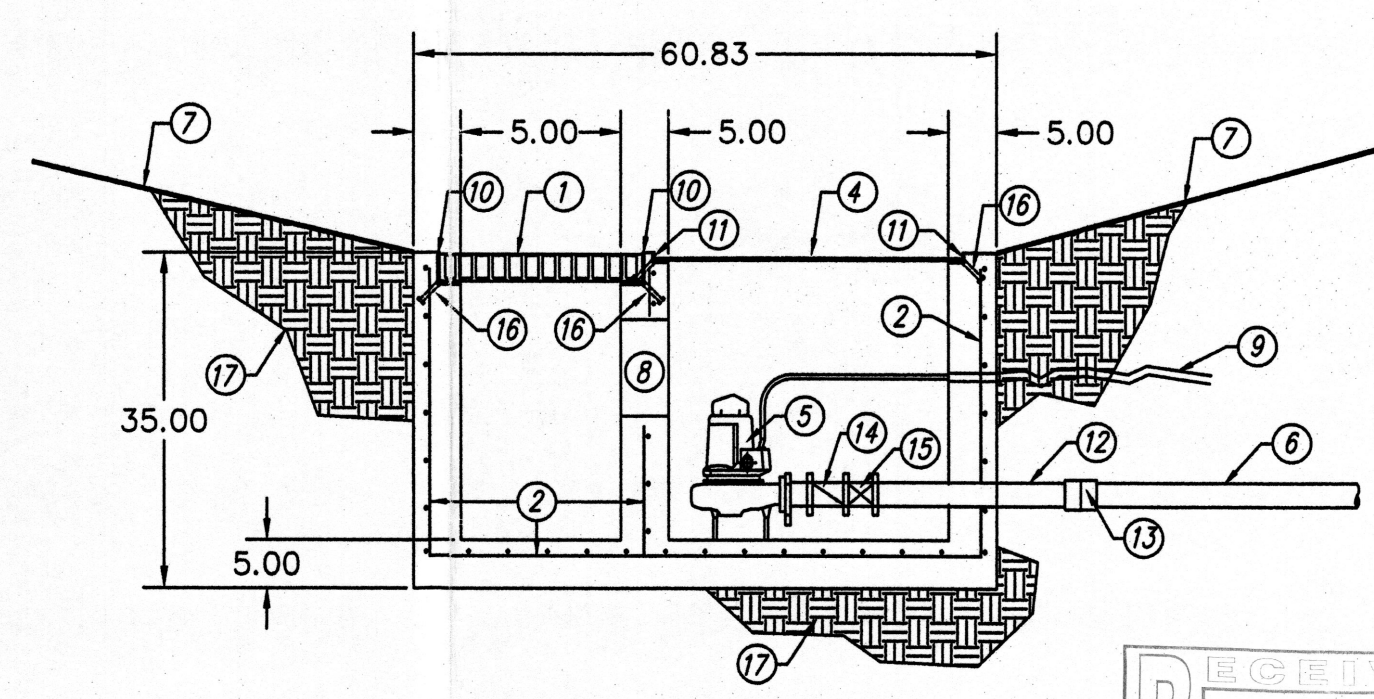
LEGAL DESCRIPTION:

LOTS 1-8 BLOCK 14 SANDIA PLAZA CITY OF ALBUQUERQUE BERNALILLO COUNTY



SLUMP PUMP STATION PLAN

SCALE 1/2"=1'-0"



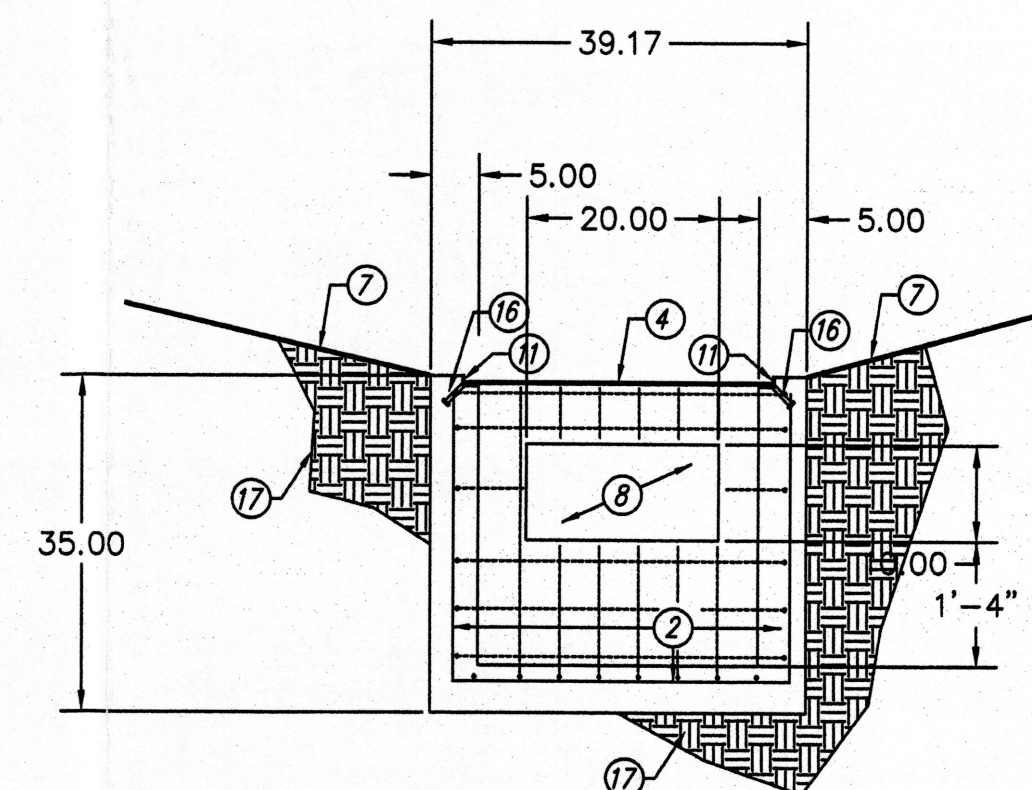
INLET SECTION A-A

SCALE 1/2"=1'-0"

PUMP DATA:

STATIC LIFT: 0 FT. TO 2.2 FT. (POND LEVEL VARIATION)
TOTAL EQUIVALENT FEET OF DISCHARGE PIPE = 664'
DISCHARGE RATE= 60 gpm (EVACUATION IN 21.0± hrs)
SYSTEM HEAD LOSS = 17.0'
TOTAL DYNAMIC LOSS = 17.0' TO 19.2'
PUMP SELECTION TO OPERATE BETWEEN 60 gpm AND 65 gpm (APPROX)

AUTOMATED CONTROLS:
FLOAT LEVEL SENSORS
AND CONTROL PANEL
SUPPLIED BY PUMP SUPPLIER.

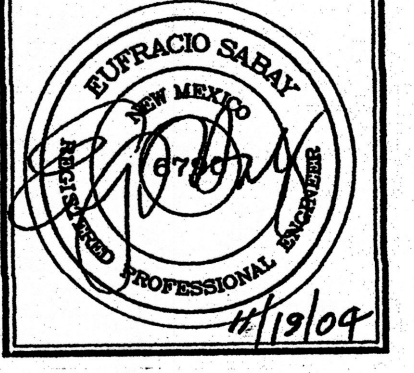


INLET SECTION B-B

SCALE 1/2"=1'-0"

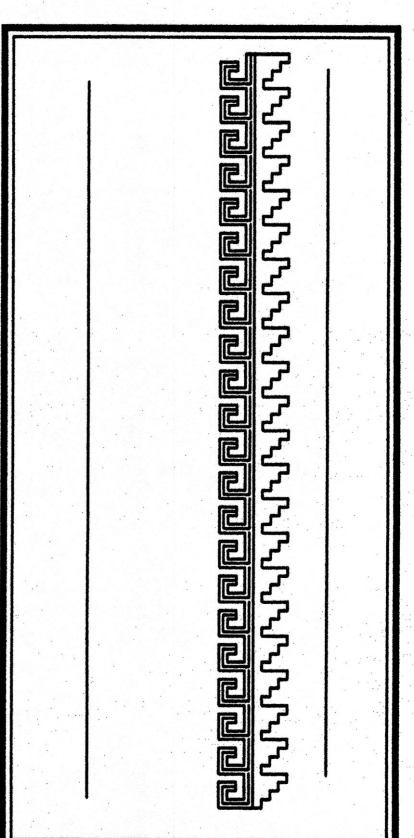
KEYED NOTES:

- GRATE PER COA STD DGE 2220(SEE DRAINAGE PLAN FOR GRATE ELEVATION)
- #4 RE-BAR(SCH 40) 6" EACH-WAY
- 6" 4000# CONCRETE PAD & WALLS
- 1/4" DIAMOND STEEL PLATE
- SLUMP PUMP (FLYGT MODEL DF3067, IMP 474, 1-PHASE,115 VOLTS O.A.E.)
- 2.5" PVC(SCH 40) FORCE MAIN- SEE DRAINAGE PLAN FOR POINT OF DISCHARGE 18" MIN COVER IN TRAFFIC AREA
- SLOPE GRADE TO INLET GRATE
- OPENING TO ALLOW FLOW CENTER ON PARTITION
- FLOAT CONTROL & POWER SUPPLY CONDUIT SEAL WATER TIGHT
- 4"x3" x 1/4" ANGLE
- 1"x2"x1/4" ANGLE
- 2.5"GALV PIPE
- TRANSITION COUPLING (FLEXIBLE)RESSER O.A.E.
- CHECK VALVE
- GATE VALVE
- 1/2"x3" BOLT WITH SQ HEAD WELDED TO ANGLE(1 ON ALL SIDES)
- COMPACTED EARTH



JOB NO:	XXXXXXX
NOVEMBER 2004	
REVISIONS	

Sheet Title
GRADING & PAVING PLAN
Drawn By: H Hood & B.M. Checked By: ES



Project Name
LOS PUENTES CHARTER SCHOOL
4903 NORTH 4TH STREET N.W.
ALBUQUERQUE, NEW MEXICO

SHEET NO.
G/P