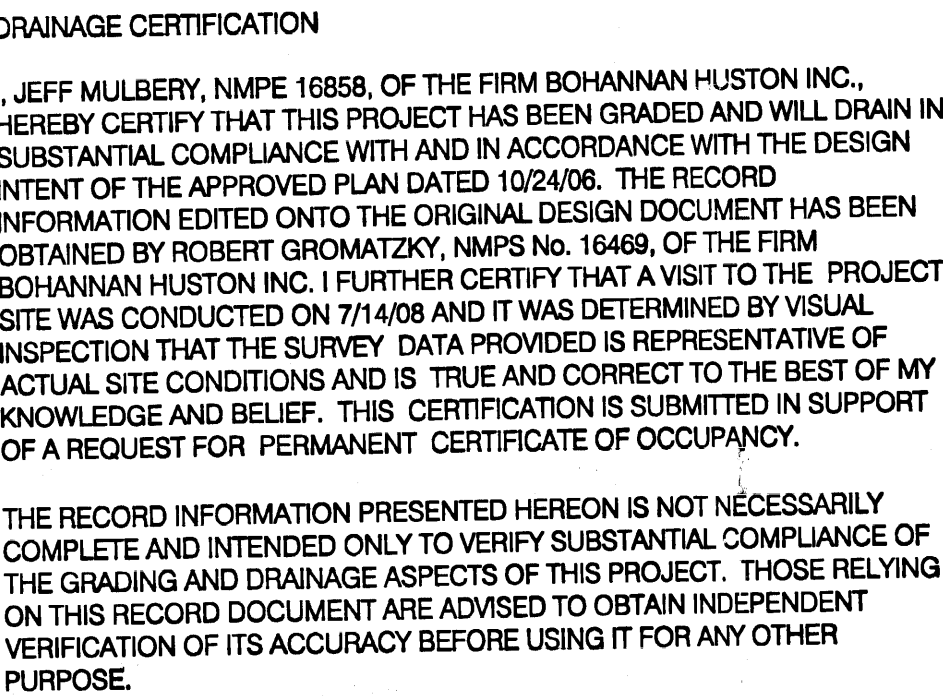
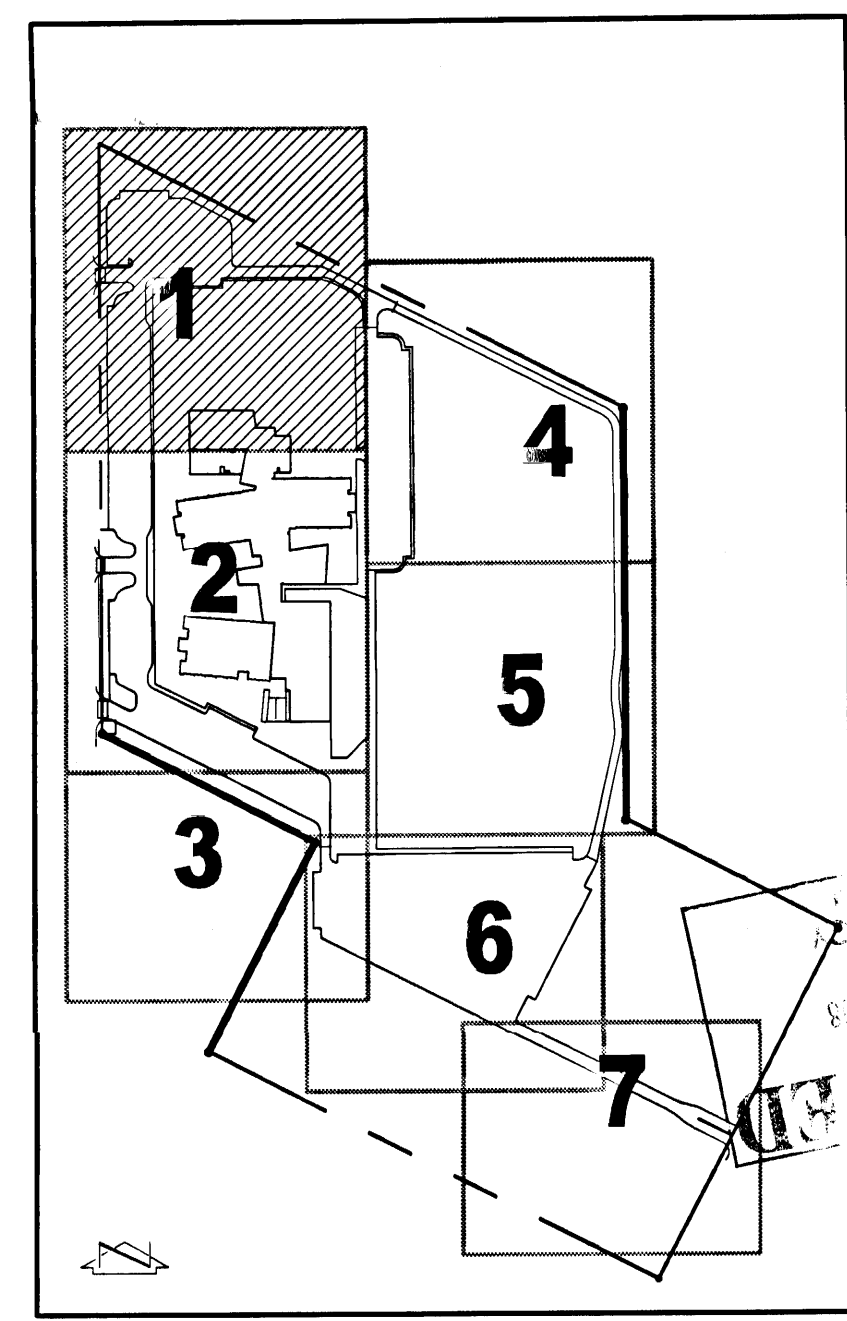




FILED THE TRACT 10
10-18-2004, UNIT

MATCHLINE - SEE SHEET C-134

- NOTE**
EXISTING STORM DRAIN, SAS, SAS MH, FIRE LINE, AND FIRE HYDRANTS SHALL BE PROTECTED IN PLACE. CONTRACTOR IS RESPONSIBLE FOR REPLACING AND DAMAGED ITEMS.
- LEGEND**
- + 404.2 SPOT GRADE
- + 177 BASALT DEPTHS
- 5404.40
- 1.50
- 5406 PROPOSED INDEX CONTOUR
- 5404 PROPOSED INTERMEDIATE CONTOUR
- 03.40₉
- PROPOSED SPOT ELEVATION
- TO-PO OF SUBGRADE
TO-PO OF CURB
TO-PO OF GRADE
TO-PO OF WALL WASH
TO-PO OF WALL LOW
FLOWLINE
- PROPOSED RETAINING WALL
- PROPOSED SPEED HUMP
- 5405 EXISTING INDEX CONTOUR
- 5404 EXISTING INTERMEDIATE CONTOUR
- AS-BUILT SPOT ELEVATION

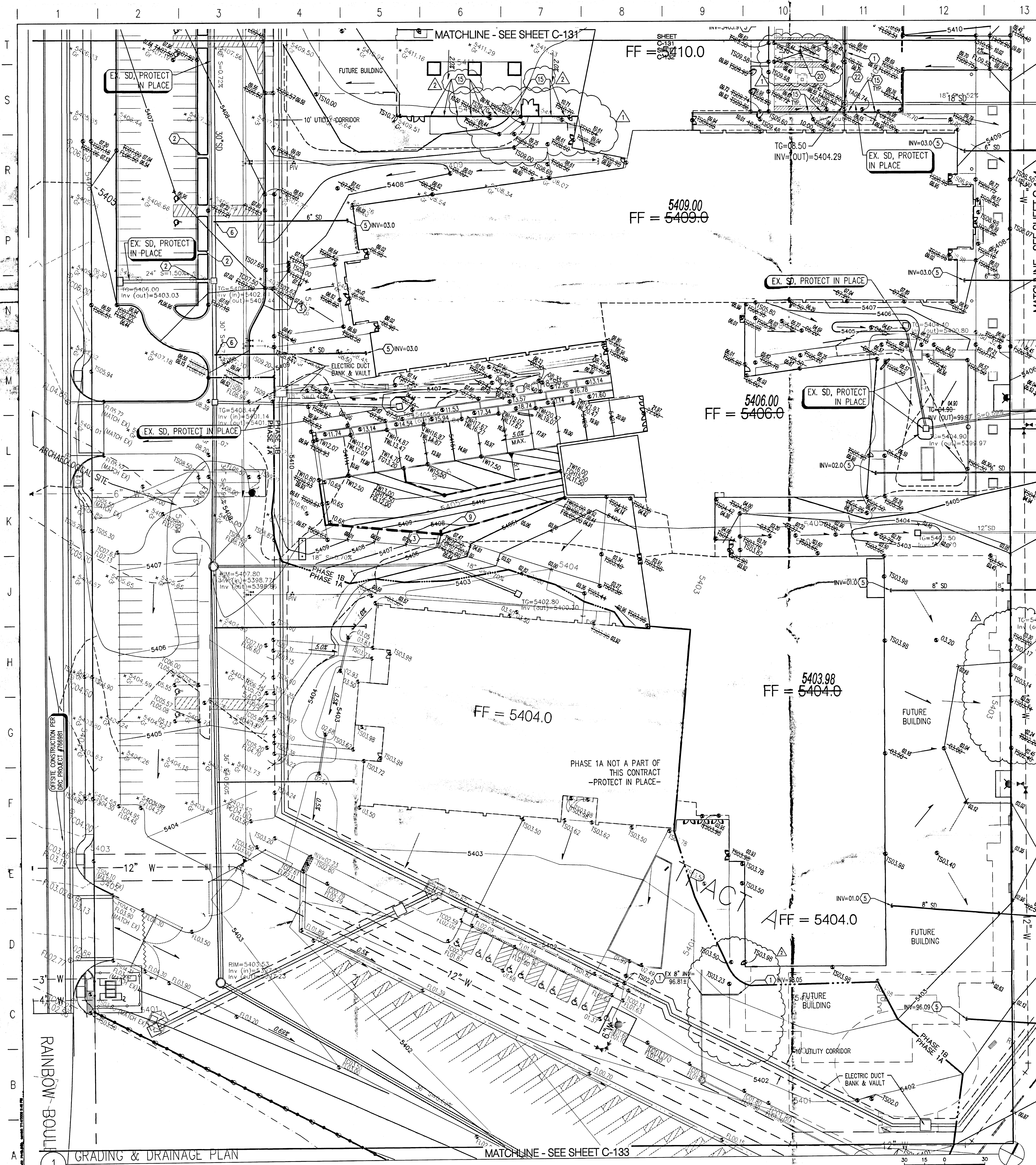


GRADING
& DRAINAGE PLAN

SHEET 47 OF -



	10-17-06	Revised per city comments
CD	08/17/06	BIDDING/PERMIT
PROJECT #: 05041		
CAD DWG FILE: 060278gp01_Ph1b.dwg		
DWN BY: RWB		
CHK BY: JLM		
Copyright: SMPAC Architects © 2006		
These documents were prepared for this specific project only. SMPAC Architects' liability is limited to this specific project, and does not extend to reuse of these documents for other projects.		
SHEET TITLE:		



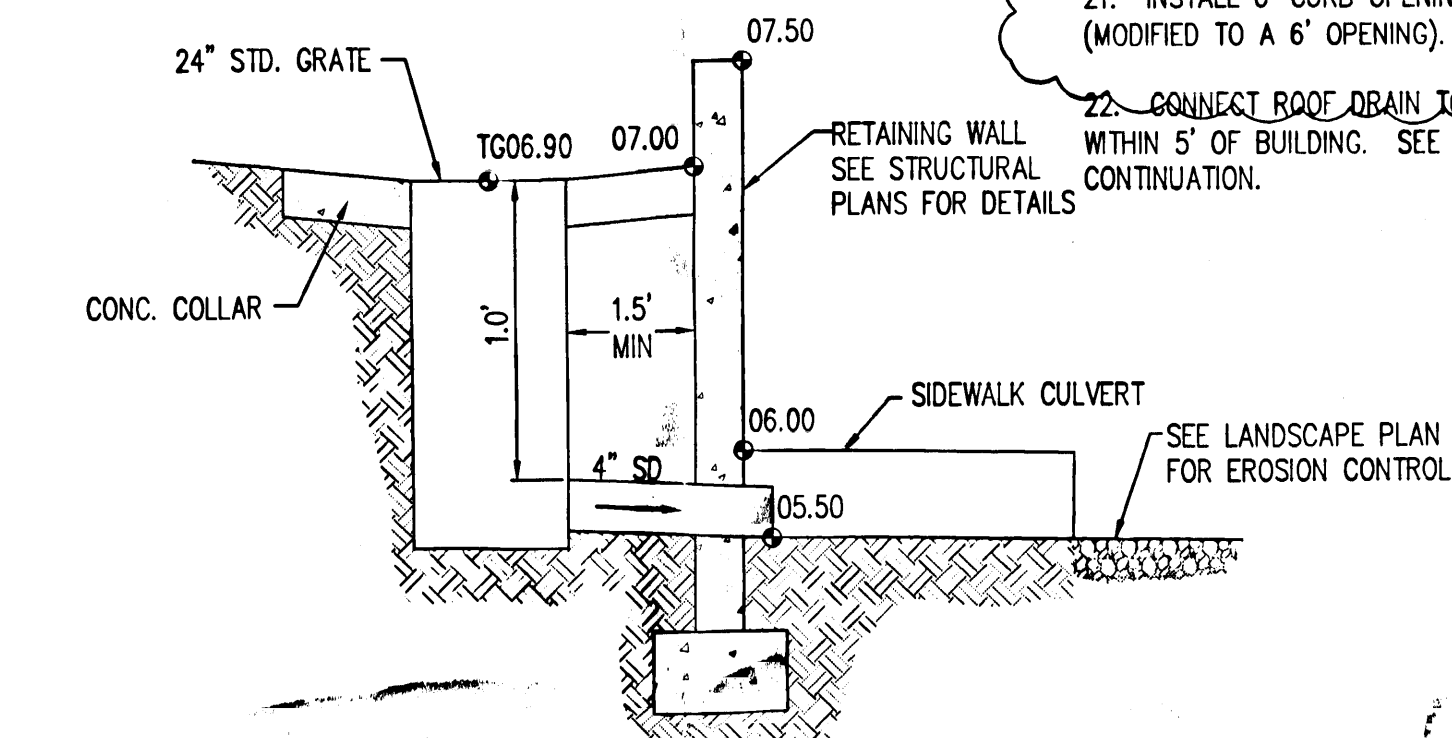
DRAINAGE CERTIFICATION

I, JEFF MULBERRY, NMPE 16868, OF THE FIRM BOHANNAN HUSTON INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 10/24/06. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ROBERT GROMATZKY, NMPS No. 16469, OF THE FIRM BOHANNAN HUSTON INC. I FURTHER CERTIFY THAT A VISIT TO THE PROJECT SITE WAS CONDUCTED ON 7/14/08 AND IT WAS DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR PERMANENT CERTIFICATE OF OCCUPANCY.

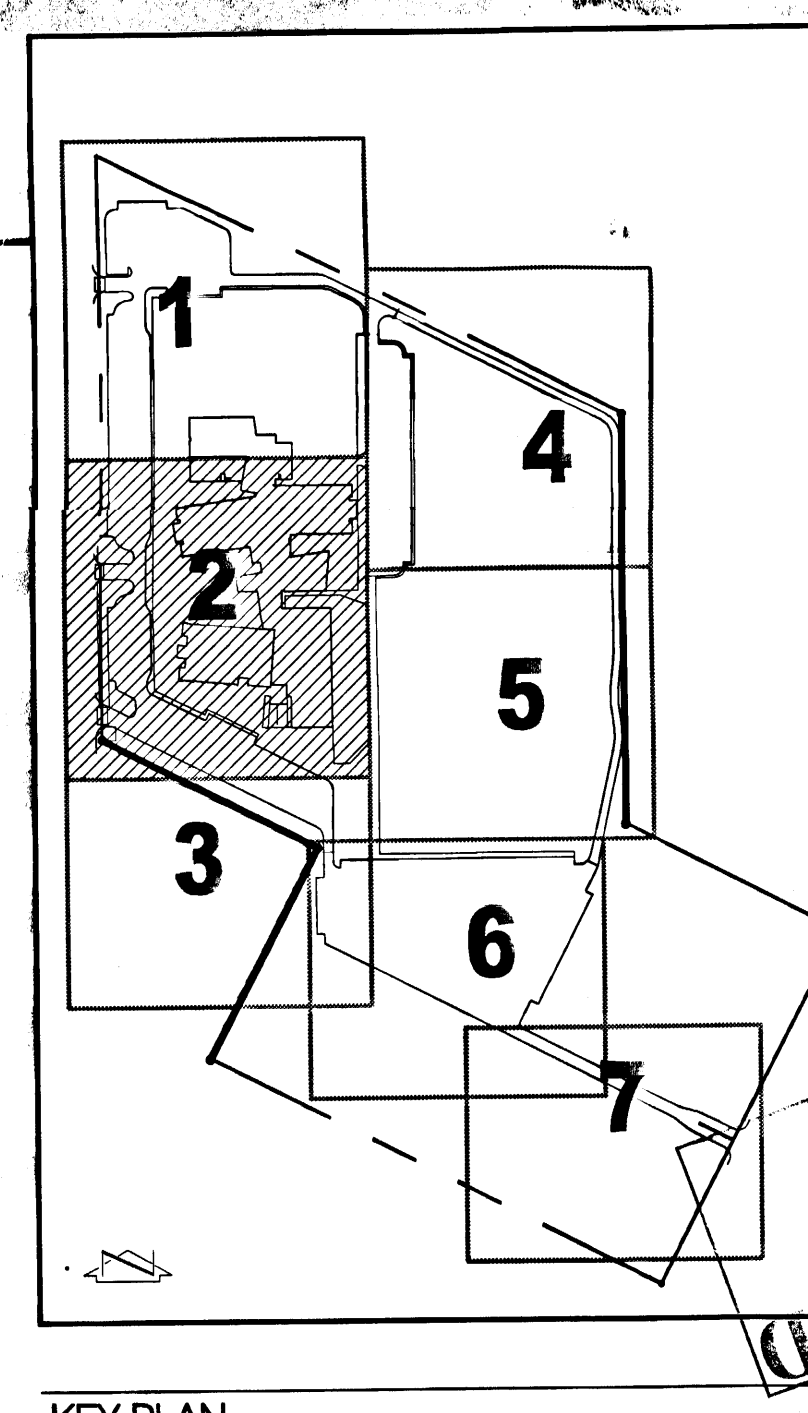
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

JEFF MULBERRY, NMPE 16868 8/16/08 DATE

- CONSTRUCTION KEYNOTES**
1. INSTALL 3" VALLEY GUTTER PER DETAIL 1, SHEET C-133.
 2. INSTALL 2" CURB OPENING FOR DRAINAGE PER DETAIL 2, SHEET C-133.
 3. INSTALL DOUBLE 24" SIDEWALK CULVERT PER COA STD DWG 2236.
 4. CONSTRUCT SPEED HUMP PER DETAIL 4, SHEET C-133.
 5. CONSTRUCT STORM DRAIN (SIZE PER PLANS) TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
 6. INSTALL INSERT-A-TEE OR PRE-MANUFACTURED FITTING (SEE PLAN FOR SIZES).
 7. INSTALL 4" VALLEY GUTTER PER DETAIL 1, SHEET C-133.
 8. INSTALL WIRE TIED RIP-RAP (D₅₀ = 10"), 2" DEEP PER COA STD. DWG. 2270.
 9. INSTALL 24" STORM DRAIN INLET (NYLOPLAST OR APPROVED EQUAL) WITH 4" OUTLET PIPE THROUGH RETAINING WALL PER DETAIL, SHEET C-132.
 10. 75" CURB OPENING.
 11. INSTALL 2" CURB OPENING/CHANNEL FOR DRAINAGE.
 12. INSTALL RIP-RAP CHANNEL PER DETAIL 3, SHEET C-133.
 13. CONNECT TO TRENCH DRAIN CATCH BASIN. COORDINATE WITH LANDSCAPE PLAN. PROVIDE FITTINGS AS NECESSARY.
 14. CONNECT TO EXISTING STORM DRAIN USING WATER STOP, GASKET & ROP COLLAR.
 15. INSTALL TURNED BLOCK EVERY 10' O.C. FOR DRAINAGE.
 16. INSTALL SD PIPE (NYLOPLAST, N12, OR APPROVED EQUAL) SEE PLAN FOR SIZES.
 17. INSTALL DRAINAGE FITTINGS. SEE PLAN FOR SIZES.
 18. CONNECT TO STORM DRAIN STUBOUT. SEE LANDSCAPE PLANS FOR CONTINUATION.
 19. 5" TRANSITION FROM 6" CURB TO 8" CURB.
 20. TRASH COMPACTOR AREA TO DRAIN TO SEWER. SEE BUILDING MECHANICAL PLAN FOR CONTINUATION.
 21. INSTALL 6" CURB OPENING PER DETAIL 2, SHEET C-133, (MODIFIED TO A 6" OPENING).
 22. CONNECT ROOF DRAIN TO EXISTING STORM DRAIN TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.



- NOTE**
EXISTING STORM DRAIN, SAS, SAS MH, FIRE LINE, AND FIRE HYDRANTS SHALL BE PROTECTED IN PLACE. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED ITEMS.
- LEGEND**
- + 404.2 SPOT GRADE
 - + 177 BASALT DEPTH
 - 5404.40 PROPOSED INDEX CONTOUR
 - 1.50 PROPOSED INTERMEDIATE CONTOUR
 - 03.40 PROPOSED SPOT ELEVATION
 - TOP OF SLOPE
 - TOP OF GRADE
 - TOP OF WALL HIGH
 - TOP OF WALL LOW
 - RETAINING WALL
 - PROPOSED SPEED HUMP
 - EXISTING INDEX CONTOUR
 - EXISTING INTERMEDIATE CONTOUR
 - AS-BUILT SPOT ELEVATION



ARCHITECTS PLANNERS INTERIOR DESIGNERS
115 AMHERST DRIVE SE.
ALBUQUERQUE, NEW MEXICO 87108
TEL: (505) 255-8668 FAX (505) 268-6665
Consultants

Bohannon & Huston
CORPORATE: 7500 Johnson Dr. NE, Albuquerque, NM 87109-4000
ENGINEERING - SPATIAL DATA - ADVANCED TECHNOLOGIES

**NORTHWEST HIGH SCHOOL
PHASE 1B**

ADDRESS
8100 Rainbow NW
Albuquerque NM

CONSTRUCTION SET

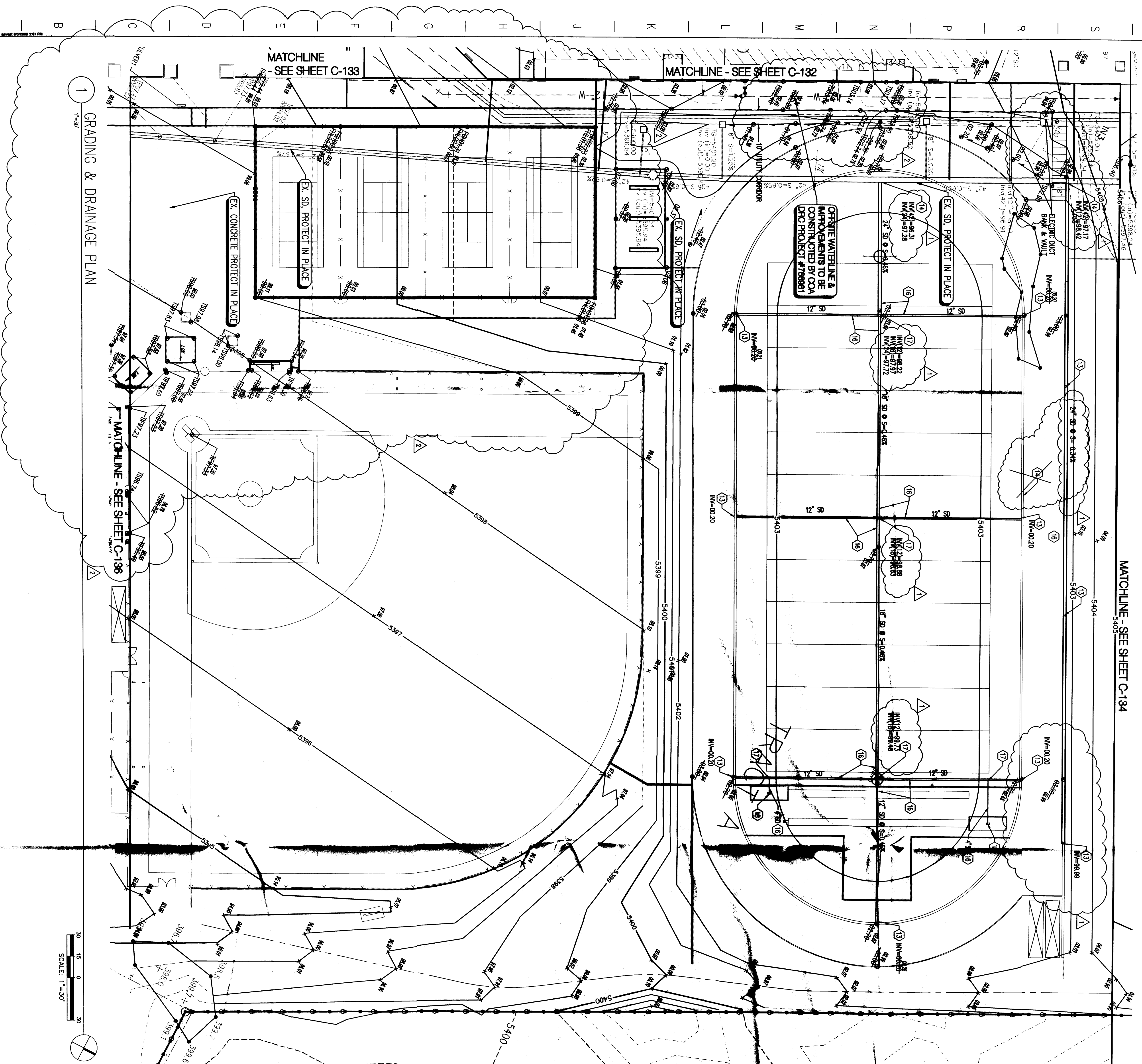
NO.	DATE	BY	REVISION
1	06-25-07	AS PS	
2	10-17-06		Revised per city comments
3	08/17/06		BIDDING/PERMIT

PROJECT #: 05041
CAD DWG FILE: 060278sp02_Ph1b.dwg
DWN BY: RMB
CHK BY: JLM
Copyright: SMPC Architects © 2006

These documents were prepared for this specific project only. SMPC Architects' liability is limited to this specific project, and does not extend to reuse of these documents for other projects.

SHEET TITLE:
GRADING & DRAINAGE PLAN

C-132
SHEET # OF -



MATCHLINE - SEE SHEET C-134
5405

DRAINAGE CERTIFICATION

[illegible]

DATE 01/11/00

CONSTRUCTION KEYNOTES

1. INSTALL 3" VALVE GATES PER DETAIL 1, SHEET C-133.
2. INSTALL 2" CARG OPENING FOR DRAINAGE PER DETAIL 2, SHEET C-133.
3. INSTALL DOUBLE 2" SERRATED CURBENT PER COA STD DWE 2236.
4. CONSTRUCT SPEED HUMP PER DETAIL 4, SHEET C-133.
5. CONSTRUCT STORM DRAIN (SEE PER PLANS) TO WITHIN OF BUILDING. SEE FLOODING PLANS FOR CONSTRUCTION.
6. INSTALL INVERT-A-TITE OR PRE-MANUFACTURED FITTING (SEE PLAN FOR SIZES).
7. INSTALL 4" VALVE GATES PER DETAIL 1, SHEET C-133.
8. INSTALL WIRE TIE RE-BAR ($\text{dia} = 10"$), 2 DEEP PER COA STD DWE 2270.
9. INSTALL 2" STORM DRAIN INLET (W/OUTPOST OR STANDARD EQUAL) WITH 4" OUTLET PIPE THROUGH RETAINING WALL PER DETAIL, SHEET C-132.
10. 75% CARG OPENING.
11. INSTALL 2" CARG OPENING CHANNEL FOR DRAINAGE. 
12. INSTALL RE-BAR CHAIN PER DETAIL 4, SHEET C-133.
13. CONNECT TO REINCH DRAIN (WITH BUSH) CONNECTING WITH LARGEST CARG. PROTECT BUSHES AS NECESSARY.
14. CONNECT TO EXISTING STORM DRAIN (WITH STIFF COUPLER & TIE).
15. INSTALL TURNED LOCK EVERY 10' O.C. FOR DRAINAGE.
16. INSTALL 80 PERCENT (MINIMUM) WIRE OR APPROVED EQUAL, SEE PLAN FOR SIZES.
17. INSTALL DRAINAGE FITTINGS, SEE PLAN FOR SIZES.
18. **CONSTRUCTION NOTES:**
19. **PLANS FOR CONSTRUCTION:**
10. 5' THRESHOLD FROM 6" CARG TO 2" CARG
20. **WATER DRAINAGE AREA TO BEING TO EXISTING BUILDING REINFORCE, PLANS FOR CONSTRUCTION.**
21. **INSTALL 6" CARG OPENING (WITH 4" OUTLET PIPE) (ADAPTED TO A 6" CARG)**
22. **CONDUCT MOISTURE TEST TO DETERMINE STORM DRAIN TO WITHIN 5' OF BUILDING. SEE FLOODING PLANS FOR CONSTRUCTION.**

ADDRESS
8100 Rainbow Ave
Albuquerque NM

**NORTHWEST
HIGH
SCHOOL
PHASE 1B**



Botanicon • Houston
Owens | 7500 Jackson St. NE Albuquerque, NM 87109-4500
ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGY

ARCHITECTS	PLANNERS	INTERIOR DESIGN
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106		
TEL. (505) 255-8668		FAX (505) 268-4444
Consultants		



GRADING & DRAINAGE PLAN

NOTE:

GROUSES SHOWN AT THE INLETLY FIELDS ARE ORIGINALLY (WITHIN 10 FEET OF) FRANK RIVERS' AT TOP OF SURFACE. (OTHER FIELDS, SUCH AS FRANK RIVERS' TRUCK TRACKS, COURTS, ETC.) IF THERE IS A DISCREPANCY IN THE FIELD BETWEEN ACTUAL GROUES AND THE GROUES SHOWN ON THIS PLAN, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH ANY WORK. THE CONTRACTOR IS RESPONSIBLE FOR ALL EXAMINATIONS REQUIRED TO CONSTRUCT ALL THE TULF FIELDS, GAY WHEELS, STEWARTS CORRS., TRACK, TENNIS COURTS, ETC. IN THE PLANS AND SPECIFICATIONS.

NOTICE TO CONTRACTORS

EXISTING FIRELINE, FIRE HYDRANTS, AND SANITARY SEWER LINE SHALL BE PROTECTED IN PLACE. CONTRACTOR IS RESPONSIBLE FOR REPLACING AND DAMAGED ITEMS.

NOTE
EXISTING STORM DRAIN, S&S, S&S WA, FIRE LINE, AND FIRE ADJUTANTS SHALL
BE PROTECTED IN PLACE. CONSTRUCTION IS RESPONSIBLE FOR REPLACING ANY
DAMAGED ITEMS.

LEGEND
+ 404.2 SPOT GRADE
+ 177 BASKET DEPTHS
5404.40

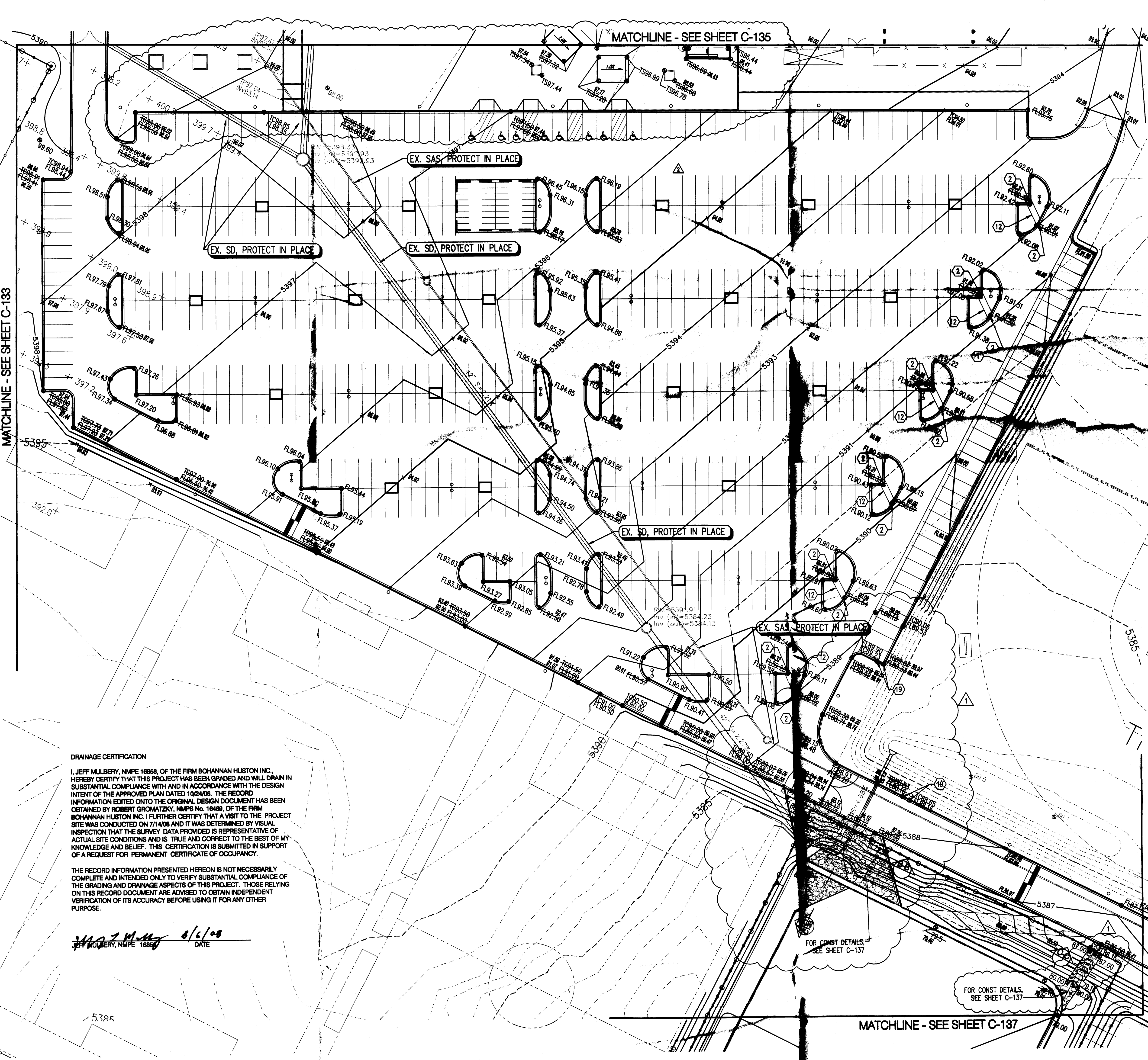
CONSTRUCTION SET

SHEET TITLE:

GRADING DRAINAGE PLAN

10/16/08 05:2008
ANDROLOGY
SECTION
C 135

SHEET 4 OF 4



1 GRADING & DRAINAGE PLAN
1"=30'

DRAINAGE CERTIFICATION
I, JEFF MULBERRY, NMPE 16858, OF THE FIRM BOHANNAN HUSTON INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 10/24/06. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ROBERT GROMATZKY, NMPS No. 16499, OF THE FIRM BOHANNAN HUSTON INC. I FURTHER CERTIFY THAT A VISIT TO THE PROJECT SITE WAS CONDUCTED ON 7/14/08 AND IT WAS DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR PERMANENT CERTIFICATE OF OCCUPANCY.

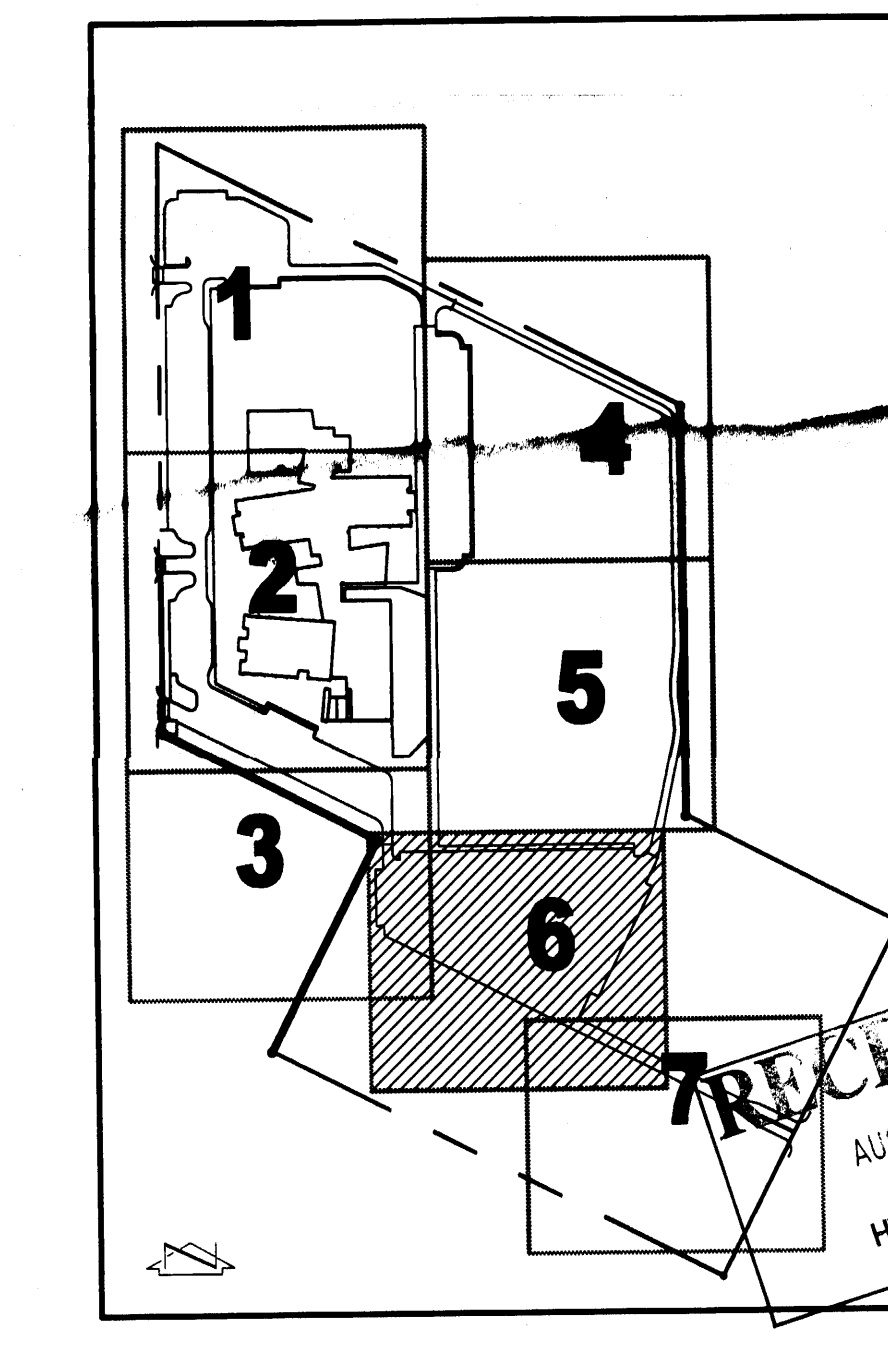
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

Jeff Mulberry 6/6/08
JEFF MULBERRY, NMPE 16858 DATE

- CONSTRUCTION KEYNOTES**
1. INSTALL 3" VALLEY GUTTER PER DETAIL 1, SHEET C-133.
 2. INSTALL 2" CURB OPENING FOR DRAINAGE PER DETAIL 2, SHEET C-133.
 3. INSTALL DOUBLE 24" SIDEWALK CULVERT PER COA STD DWG 2236
 4. CONSTRUCT SPEED HUMP PER DETAIL 4, SHEET C-133.
 5. CONSTRUCT STORM DRAIN (SIZE PER PLANS) TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
 6. INSTALL INSERT-A-TEE OR PRE-MANUFACTURED FITTING (SEE PLAN FOR SIZES)
 7. INSTALL 4" VALLEY GUTTER PER DETAIL 1, SHEET C-133.
 8. INSTALL WIRE TIED RIP-RAP (D₉₀ = 10"), 2' DEEP PER COA STD. DWG. 2270
 9. INSTALL 24" STORM DRAIN INLET (NYLOPLAST OR APPROVED EQUAL) WITH 4" OUTLET PIPE THROUGH RETAINING WALL PER DETAIL, SHEET C-132.
 10. 75' CURB OPENING.
 11. INSTALL 2" CURB OPENING/CHANNEL FOR DRAINAGE.
 12. INSTALL RIP-RAP CHANNEL PER DETAIL 5, SHEET C-133.
 13. CONNECT TO TRENCH DRAIN CATCH BASIN. COORDINATE WITH LANDSCAPE PLAN. PROVIDE FITTINGS AS NECESSARY.
 14. CONNECT TO EXISTING STORM DRAIN USING WATER STOP BASKET & RCP COLLAR.
 15. INSTALL TURNED BLOCK EVERY 10' O.C. FOR DRAINAGE.
 16. INSTALL SD PIPE (NYLOPLAST, N12, OR APPROVED EQUAL) SEE PLAN FOR SIZES.
 17. INSTALL DRAINAGE FITTINGS. SEE PLAN FOR SIZES.
 18. CONNECT TO STORM DRAIN THROUGH SEE LANDSCAPE PLANS FOR CONTINUATION.
 19. 5' TRANSITION FROM 6" CURB TO 8" CURB
 20. TRASH COMPACTOR AREA TO DRAIN TO SEWER, SEE PLUMBING MECHANICAL PLANS FOR CONTINUATION.
 21. INSTALL 6" CURB OPENING PER DETAIL 2, SHEET C-133 (WOOLDED TO X 8" OPENING).
 22. CONNECT TO EXISTING STORM DRAIN WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.

NOTE
EXISTING STORM DRAIN, SAS, GAS VAL, FIRE LINE, AND FIRE HYDRANTS SHALL BE PROTECTED IN PLACE. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED ITEMS.

- LEGEND**
- + 404.2 SPOT GRADE
 - + 177 BASALT DEPTH
 - 5404.40
 - 1.50
 - 5405 — PROPOSED INDEX CONTOUR
 - 5404 — PROPOSED INTERMEDIATE CONTOUR
 - 03.40 PROPOSED SPOT ELEVATION
 - 5405 — PROPOSED RETAINING WALL
 - 5404 — PROPOSED SPEED HUMP
 - 5405 — EXISTING INDEX CONTOUR
 - 5404 — EXISTING INTERMEDIATE CONTOUR
 - x XXXX AS-BUILT SPOT ELEVATION



SMPC ARCHITECTS
ARCHITECTS PLANNERS INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
TELE (505) 255-8668 FAX (505) 268-6665
Consultants

Bohannon & Huston
Consultants
1100 Johnson St. NE Albuquerque, NM 87102-0005
ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

ALBUQUERQUE PUBLIC SCHOOLS
APPS

ALBUQUERQUE PUBLIC SCHOOLS

NORTHWEST HIGH SCHOOL PHASE 1B

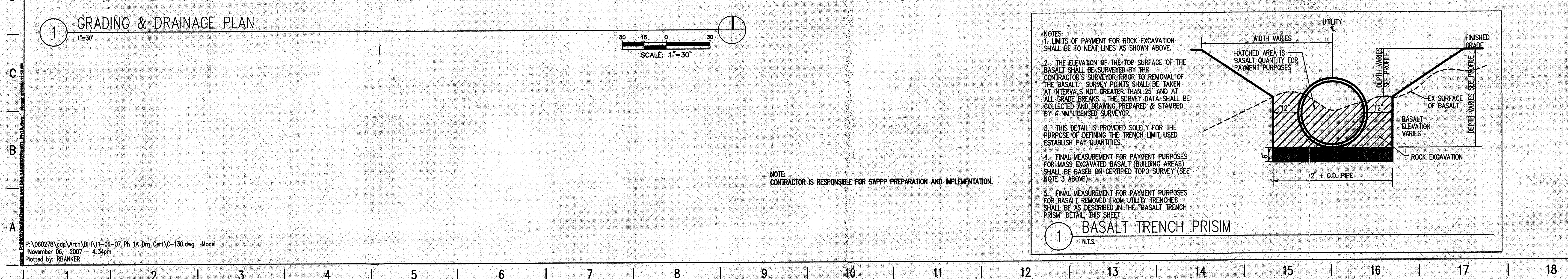
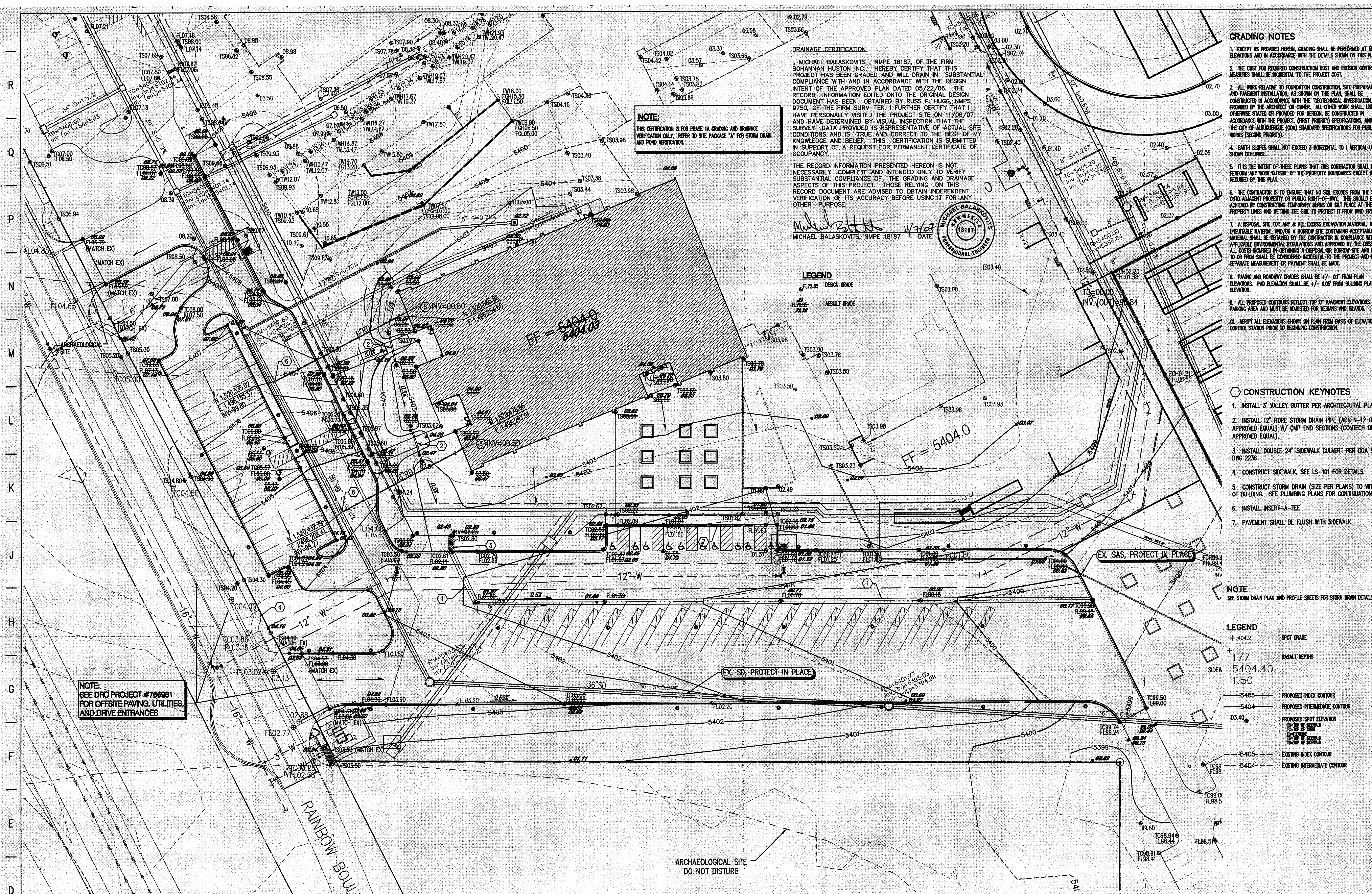
ADDRESS
6400 Rainbow NW
Albuquerque NM

CONSTRUCTION SET

PROJECT #	05041
CAD DWG FILE	060278g06_Ph1b.dwg
DWGN BY	RWB
CHK BY	JLM
Copyright	SMPC Architects © 2006
These documents were prepared for this specific project only. SMPC Architects' liability is limited to this specific project, and does not extend to reuse of these documents for other projects.	
SHEET TITLE:	

GRADING & DRAINAGE PLAN

C-136
SHEET # OF -



GRADING NOTES

- EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
- THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
- ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION" AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
- EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
- IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
- THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE DURING ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERM OR SILT FENCE AT THE PROPERTY LINES AND NETTING THE SOIL TO PROTECT IT FROM EROSION.
- A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND Haul TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION.
- ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR MEDIAN AND ISLANDS.
- VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.

- CONSTRUCTION KEYNOTES**
- INSTALL 3' VALLEY GUTTER PER ARCHITECTURAL PLANS
 - INSTALL 12" HOPE STORM DRAIN PIPE (ADS N-12 OR APPROVED EQUAL) W/ CMP END SECTIONS (CONTECH OR APPROVED EQUAL).
 - INSTALL DOUBLE 24" SIDEWALK CULVERT PER COA STD DWG 2236
 - CONSTRUCT SIDEWALK, SEE LS-101 FOR DETAILS.
 - CONSTRUCT STORM DRAIN (SIZE PER PLANS) TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
 - INSTALL INSERT-A-TIE
 - PAVEMENT SHALL BE FLUSH WITH SIDEWALK

NOTE
SEE STORM DRAIN PLAN AND PROFILE SHEETS FOR STORM DRAIN DETAILS.

LEGEND

- + 404.2 SPOT GRADE
- + 177 BASALT DEPTHS
- 5404.40
- 1.50
- 5405 PROPOSED INDEX CONTOUR
- 5404 PROPOSED INTERMEDIATE CONTOUR
- PROPOSED SPOT ELEVATION
- 5405 EXISTING INDEX CONTOUR
- 5404 EXISTING INTERMEDIATE CONTOUR

DRAINAGE CERTIFICATION

I, MICHAEL BALASKOVITS, NMPE 18187, OF THE FIRM BOHANNAN HUSTON INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 05/22/06. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY RUSS P. HUGG, NMPS 9750, OF THE FIRM SURV-TEK. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 11/06/07 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR PERMANENT CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

Michael Balaskovits 11/7/07
MICHAEL BALASKOVITS, NMPE 18187 DATE

LEGEND

- FL 72.65 DESIGN GRADE
- FL 72.65 ASBEST GRADE

SMPC ARCHITECTS

ARCHITECTS PLANNERS INTERIOR DESIGNERS

115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
TELE. (505) 255-8668 FAX (505) 268-6665

Consultants

Bohannon & Huston

Consultant: 7200 Jefferson St. NE Albuquerque, NM 87109-0305
ENGINEERING & SPATIAL DATA - ADVANCED TECHNOLOGIES

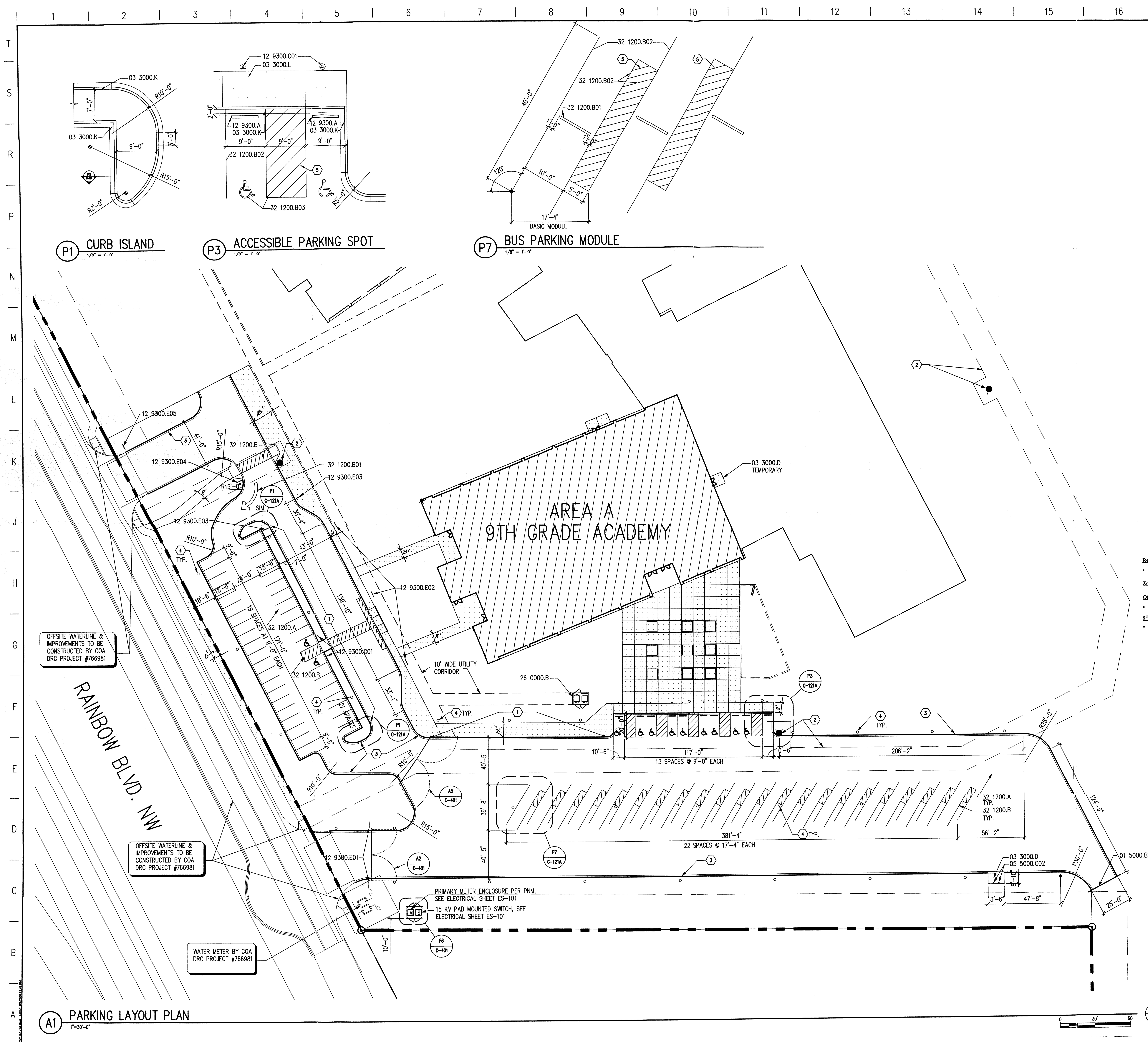
ALBUQUERQUE PUBLIC SCHOOLS

NEW NORTHWEST HIGH SCHOOL Phase 1A

ADDRESS
8100 Rainbow NW
Albuquerque NM

BID SET

CD	05/25/06	BIDDING/PERMIT
PROJECT #	05041	
CAD DWG FILE	060278ap01_Ph1A.dwg	
DWN BY	RMB	
CHK BY	JLM	
Copyright	SMPC Architects © 2006	
These documents were prepared for this specific project only. SMPC Architects' liability is limited to this specific project, and does not extend to reuse of these documents for other projects.		
SHEET TITLE:		
GRADING & DRAINAGE PLAN		
C-130		
SHEET #		
NOV 10 7 2007		
HYDROLOGY SECTION		



- A. SEE C120 FOR HORIZONTAL CONTROL DATA
- B. ALL DIMENSIONS ARE TO BACK OF CURB
UNLESS NOTED OTHERWISE.
- C. SEE C-140 FOR UNDERGROUND UTILITY
INFORMATION



ARCHITECTS PLANNERS INTERIOR DESIGNERS

115 AMHERST DRIVE SE.,
ALBUQUERQUE, NEW MEXICO 87106

TELE. (505) 255-8668 FAX (505) 268-6661

Consultants

REFERENCE KEYNOTES

- 01 5000--TEMPORARY FACILITIES AND CONTROLS
 - B. GATE
- 03 3000--CAST-IN-PLACE CONCRETE
 - D. CONCRETE SLAB
 - K. CURB AND GUTTER
 - L. SIDEWALK
- 05 5000--MAJOR FABRICATIONS
 - DQ. BOLLARD, CONCRETE FILLED, 6" DIA.
- 12 9300--SITE FURNISHINGS?
 - A. PRECAST CONCRETE RUMPPERS, 6'-0"
 - E01. PARKING SIGN WITH SYMBOL OF ACCESSIBILITY
 - E01. TRAFFIC SIGN, TYPE 1
 - E02. TRAFFIC SIGN, TYPE 2
 - E03. TRAFFIC SIGN, TYPE 3
 - E04. TRAFFIC SIGN, TYPE 4
 - E05. TRAFFIC SIGN, TYPE 5
- 26 0000--ELECTRICAL
 - B. TRANSFORMER
- 32 1200--FLEXIBLE PAVING
 - A. ASPHALTIC CONCRETE PAVING
 - B. MARKING AND STRIPING
 - B01. STRIPING, WHITE
 - B02. STRIPING, YELLOW
 - B03. STRIPING, BLUE

KEYNOTES

1. FIRE LANE - PAINT TOP AND FACE OF CURB, RED.
2. FIRELINE AND FIRE HYDRANTS TO BE CONSTRUCTED BY COA DRC PROJECT #79681
3. CONCRETE CURB AND GUTTER - SEE P12/G401
4. LIGHT POLE, SEE SHEET ES-102 'ENLARGED ELECTRICAL SITE PLAN' FOR DETAILS.
5. NO PARKING STRIPING 45' 18" O.C.

ZONING ANALYSIS

Reference:

- *City of Albuquerque Comprehensive Zoning Code, 2004*

Zoning: RO-20 - Rural and Open Agricultural Zone

Off-Street Parking Regulations:

- City of Alhambra Comprehensive Zoning Code, 2004

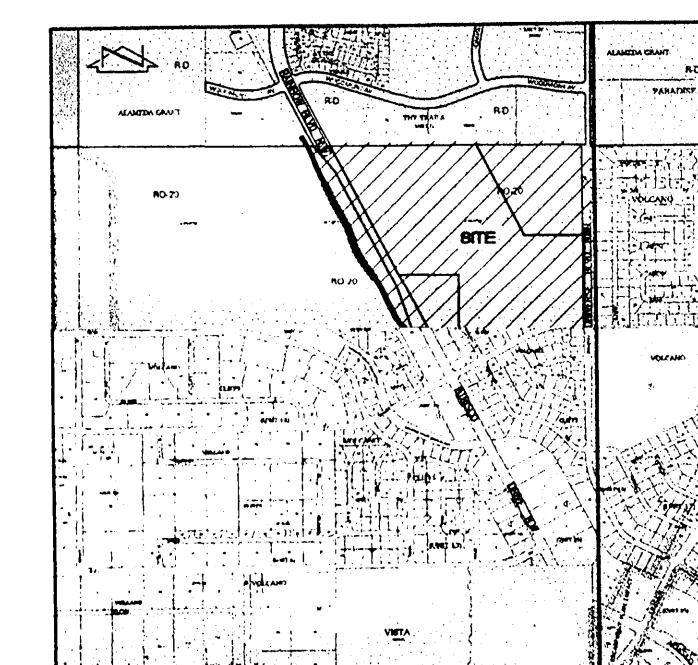
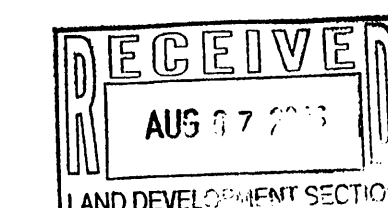
9th Grade Academy: (Phase 1A)

- Middle School: 1 space for each employee
 - (40 employees) (1) = 40 spaces, minimum
 - Spaces Provided: 52 (42 standard + 10 disabled)

CONSTRUCTION
DOCUMENTS

**TRAFFIC CIRCULATION LAYOUT
APPROVED**

Signed 8/7/06 Date



LEGEND

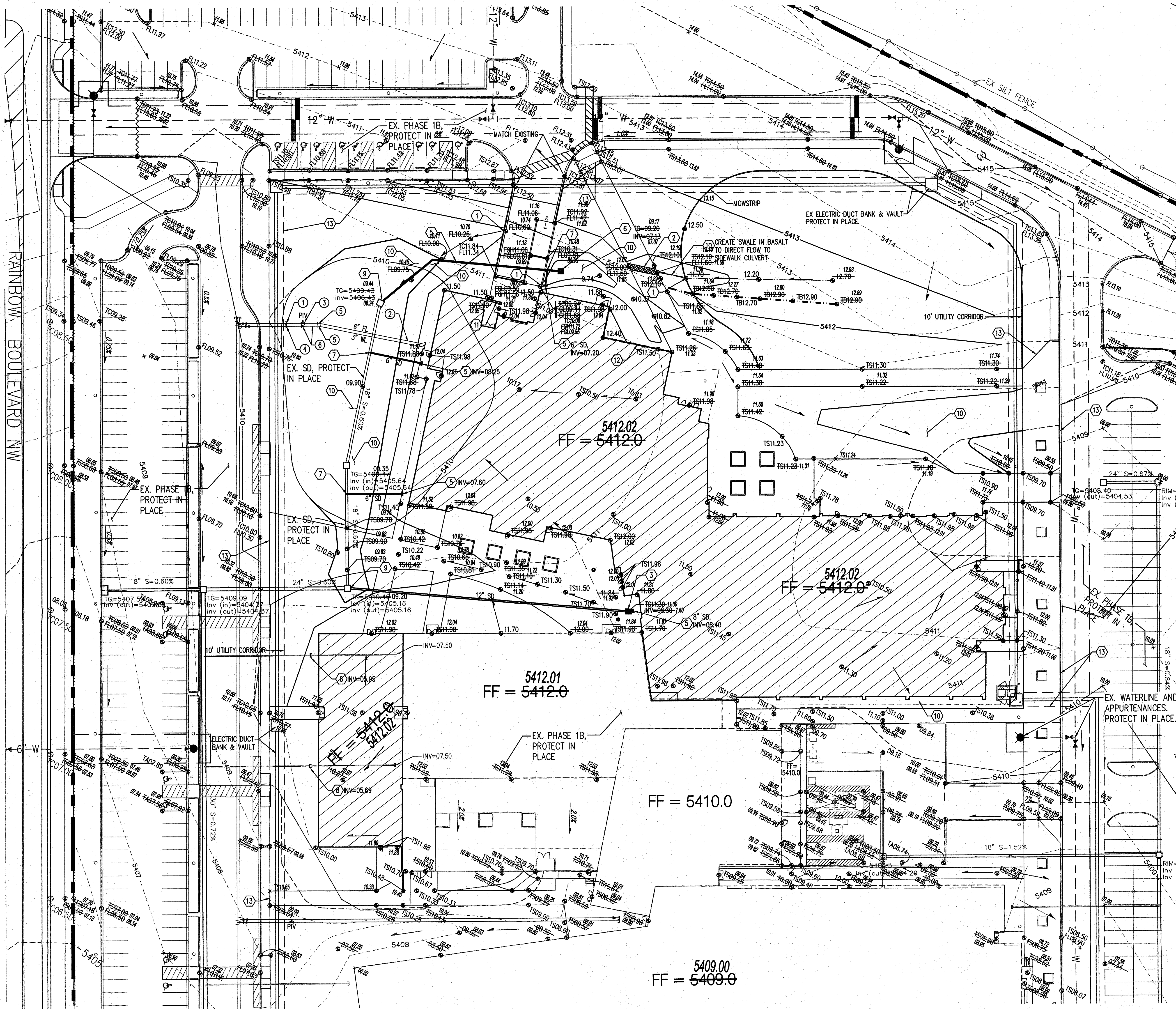
FLAT WORK - SEE LANDSCAPING



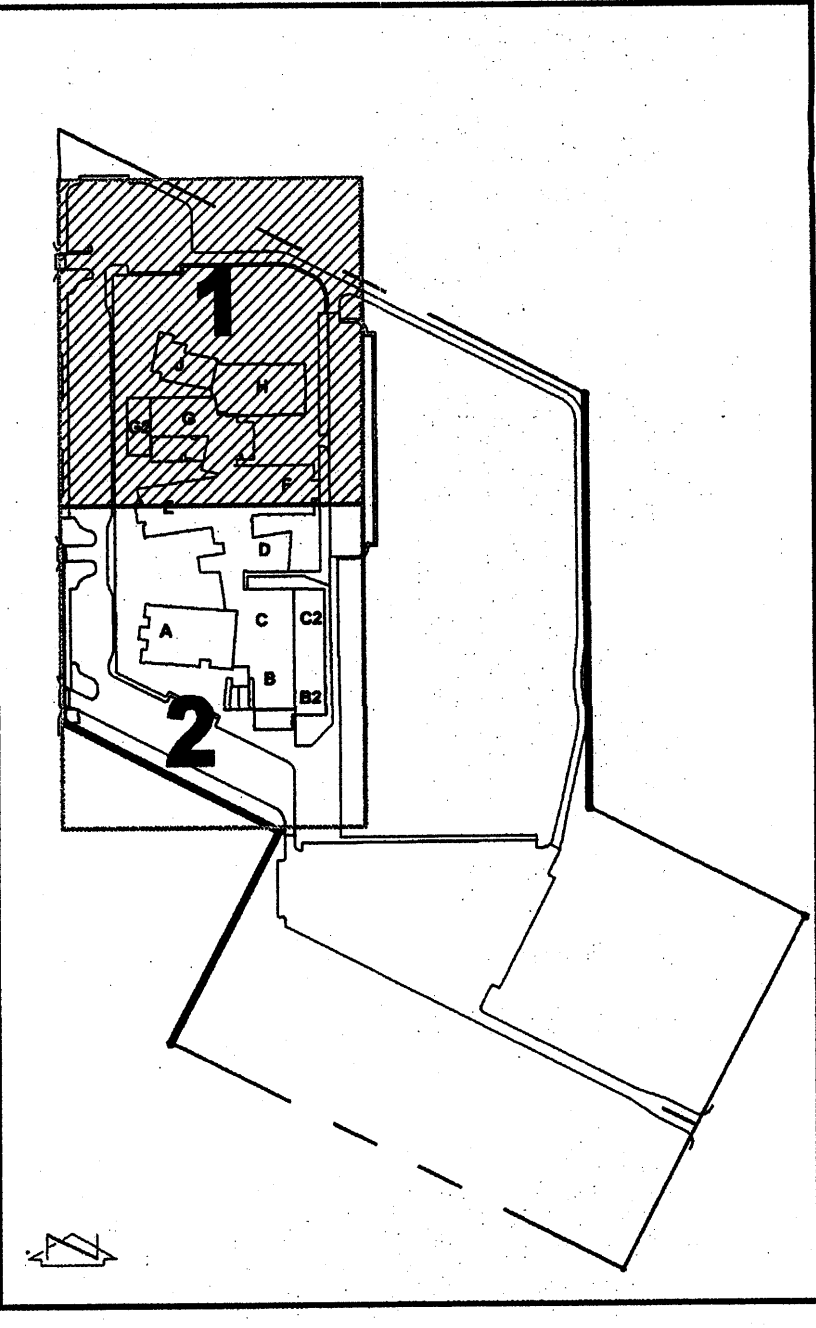
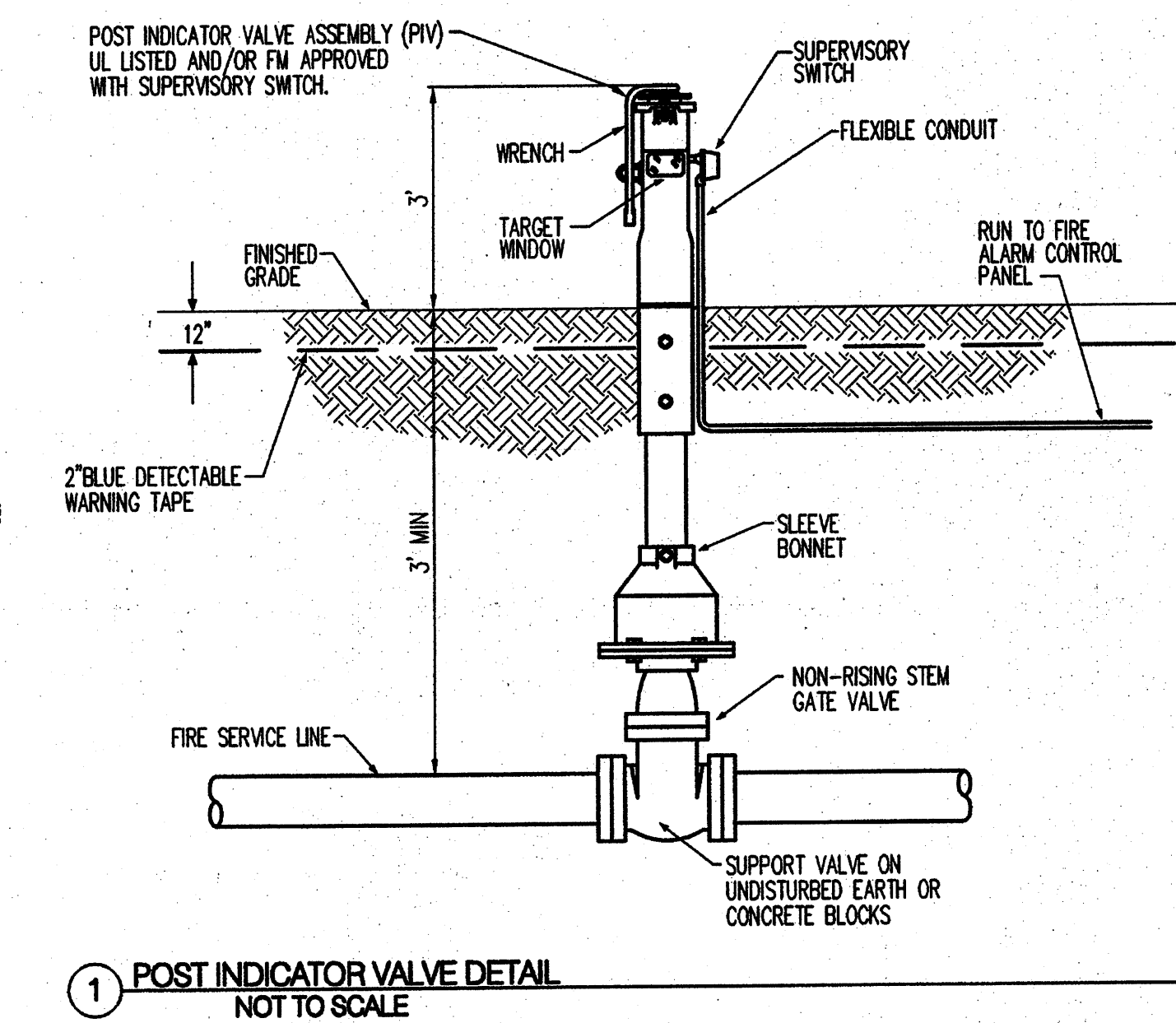
TRAFFIC CIRCULATION LAYOUT

C-121A

SHEET 0

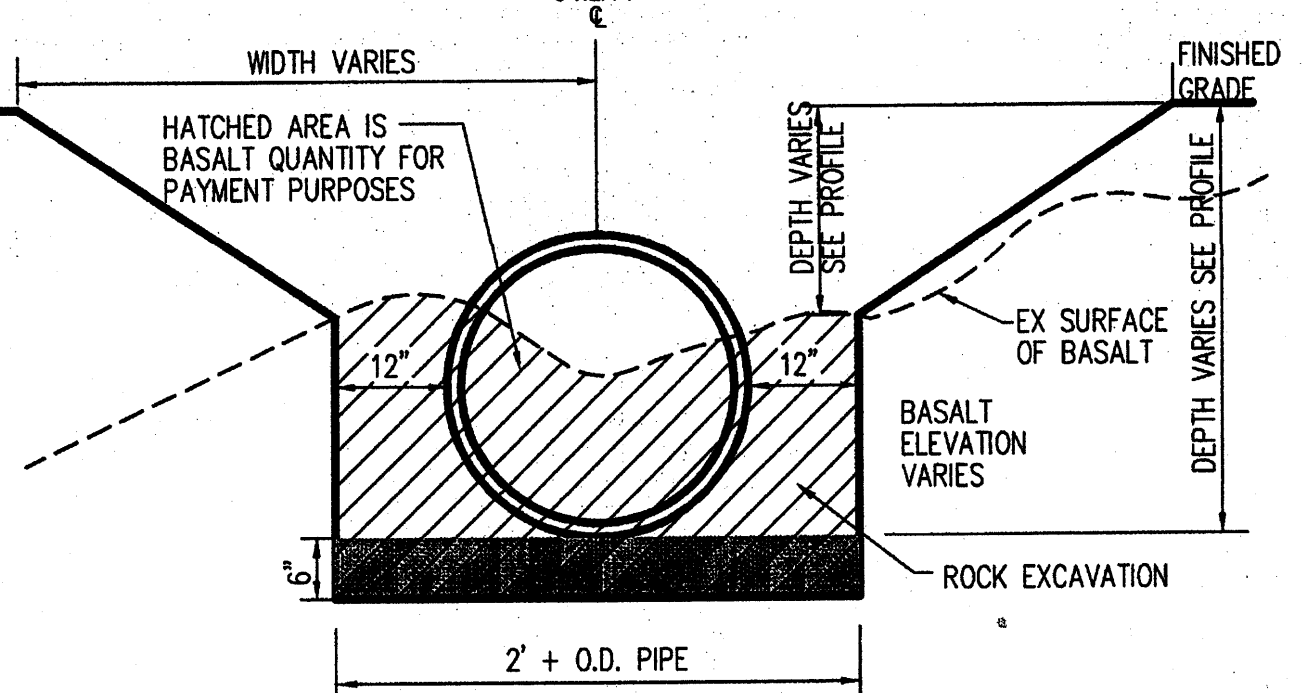


- UTILITY NOTES**
1. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO MECHANICAL UTILITIES AS SHOWN ON THIS PLAN INCLUDING: TRENCHING, BACKFILL, SUPPORTS, CLEANOUT PIPS, SERVICE STOPS AND BOXES, SERVICE LINES, TESTING, CLEANING AND STERILIZING. ANY WORK NOT ACCEPTED BY THE ARCHITECT OR ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED.
 2. MINIMUM DEPTHS OF COVER SHALL BE: 36" FOR WATERLINES AND 48" FOR SEWER, EXCEPT AT BUILDING CONNECTION.
 3. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE IAPMO UNIFORM PLUMBING CODE, LATEST EDITION.
 4. UTILITY LINES SHALL BE INSTALLED PRIOR TO PAVEMENT, CURB AND GUTTER, AND/OR SIDEWALK, AS APPLICABLE.
 5. ROUGH GRADING OF SITE (+0.5') SHALL BE COMPLETED PRIOR TO INSTALLATION OF UTILITY LINES.
 6. CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS TO BUILDING DRAIN LINES AND ALL NECESSARY FITTINGS.
 7. ALL VALVES SHALL BE ANCHORED PER COA STANDARD DWG. 2333.
 8. FIRE LINES SHALL USE PIPE MATERIALS UNDERWRITERS LABORATORIES LISTED AND APPROVED FOR FIRE SERVICE.
 9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER METER, FIRE LINE, AND SEWER HOOKUP FEES FOR INSTALLATIONS. OWNER SHALL BE RESPONSIBLE FOR UTILITY EXPANSION CHARGES, PRORATA AND OTHER SPECIAL ASSESSMENTS.
 10. CONTRACTOR SHALL VERIFY INVERTS AND LOCATIONS OF EXISTING WATER/SAN LINES PRIOR TO BEGINNING WORK. ALL CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER AND RESOLVED PRIOR TO BEGINNING WORK.
 11. PROVIDE BOLLARDS TO PROTECT METER, AS PER PNM & UPC REQUIREMENTS.
 12. UTILITY EASEMENTS SHOWN ON CONSTRUCTION DOCUMENTS ARE A GRAPHICAL REPRESENTATION ONLY, NOT NECESSARILY RECORDED EASEMENTS. SEE PLAT FOR EXACT EASEMENT GEOMETRY.
- CONSTRUCTION KEYNOTES**
1. INSTALL 2" CURB OPENING FOR DRAINAGE PER DETAIL 2. SHEET C-133.
 2. INSTALL DOUBLE 24" SIDEWALK CULVERT PER COA STD DWG 2236.
 3. INSTALL 24" PEDESTRIAN RATED GRATE.
 4. INSTALL 2" CURB OPENING/CHANNEL FOR DRAINAGE.
 5. CONSTRUCT STORM DRAIN (SIZE PER PLANS) TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
 6. CONSTRUCT TYPE 'D' INLET PER COA STD DWG 2206.
 7. INSTALL INSERT-A-TEE OR PRE-MANUFACTURED FITTING (SEE PLAN FOR SIZES).
 8. CONNECT ROOF DRAIN TO EXISTING STORM DRAIN TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
 9. CONNECT TO EXISTING STORM DRAIN INLET.
 10. COORDINATE SWALE EROSION PROTECTION WITH LANDSCAPE PLAN.
 11. INSTALL TURN BLOCK IN WALL FOR DRAINAGE.
 12. WATER PROOF WALL TO 1' ABOVE GRADE SHOWN. SEE ARCHITECTURAL PLAN FOR DETAILS.
 13. MATCH EXISTING
- WATERLINE KEYED NOTES**
1. REMOVE CAP & CONNECT TO EXISTING 6" WATERLINE.
 2. INSTALL 6" FIRE LINE TO WITHIN 5' OF BUILDING. INSTALL 6" CAP W/ RESTRAINED JOINTS. SEE PLUMBING PLANS FOR CONTINUATION.
 3. INSTALL POST INDICATOR VALVE (PIV) PER DETAIL THIS SHEET. CONTRACTOR SHALL PROVIDE CONDUIT & WIRE TO CONNECT TO FIRE ALARM PANEL.
 4. REMOVE CAP AND CONNECT TO EXISTING 4" WATERLINE. INSTALL 4" ML.
 5. INSTALL 11.25" BEND W/ RESTRAINED JOINTS. SIZE PER PLAN.
 6. INSTALL 4"x3" REDUCER. INSTALL 3" DOMESTIC WATERLINE TO W/IN 5' OF BUILDING. SEE PLUMBING PLAN FOR CONTINUATION.



- NOTE**
EXISTING STORM DRAIN, SAS, SAN, FIRE LINE, AND FIRE HYDRANTS SHALL BE PROTECTED IN PLACE. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED ITEMS.
- LEGEND**
- + 404.2 SPOT GRADE
 - + 177 BASALT DEPTHS
 - 5404.40
 - 1.50
 - 5405 PROPOSED INDEX CONTOUR
 - 5404 PROPOSED INTERMEDIATE CONTOUR
 - 03.40 PROPOSED SPOT ELEVATION
 - PROPOSED BEAM
 - PROPOSED RETAINING WALL
 - PROPOSED SPEED HUMP
 - 5405 EXISTING INDEX CONTOUR
 - 5404 EXISTING INTERMEDIATE CONTOUR

- NOTES:**
1. LIMITS OF PAYMENT FOR ROCK EXCAVATION SHALL BE TO NEAT LINES AS SHOWN ABOVE.
 2. THE ELEVATION OF THE TOP SURFACE OF THE BASALT SHALL BE SURVEYED BY THE CONTRACTOR'S SURVEYOR PRIOR TO REMOVAL OF THE BASALT. SURVEY POINTS SHALL BE TAKEN AT INTERVALS NOT GREATER THAN 25' AND AT ALL GRADE BREAKS. THE SURVEY DATA SHALL BE COLLECTED AND DRAWING PREPARED & STAMPED BY A NM LICENSED SURVEYOR.
 3. THIS DETAIL IS PROVIDED SOLELY FOR THE PURPOSE OF DEFINING THE TRENCH LIMIT USED TO ESTABLISH PAY QUANTITIES.
 4. FINAL MEASUREMENT FOR PAYMENT PURPOSES FOR MASS EXCAVATED BASALT (BUILDING AREAS) SHALL BE BASED ON CERTIFIED TOPO SURVEY (SEE NOTE 3 ABOVE).
 5. FINAL MEASUREMENT FOR PAYMENT PURPOSES FOR BASALT REMOVED FROM UTILITY TRENCHES SHALL BE AS DESCRIBED IN THE "BASALT TRENCH PRISM" DETAIL, THIS SHEET.



1 BASALT TRENCH PRISM
N.T.S.

1 GRADING & DRAINAGE PLAN
1" = 30'

DRAINAGE CERTIFICATION

I, JEFFREY L. MULBERRY, N.M.P.E. 18858, OF THE FIRM BOHANNAN HUSTON INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 11/6/2007. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ROBERT GRONATZKY, N.M.P.S. 16488, OF THE FIRM BOHANNAN HUSTON INC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON MARCH 28, 2010, AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR PERMANENT CERTIFICATE OF OCCUPANCY.

Jeffrey L. Mulberry
JEFFREY L. MULBERRY, N.M.P.E. 18858
3-26-10
DATE

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.



ARCHITECTS PLANNERS INTERIOR DESIGNERS
115 AMHERST DRIVE SE.
ALBUQUERQUE, NEW MEXICO 87106
TELE: (505) 255-8668 FAX (505) 268-6665
Consultants

Bohannon & Huston
Consultant: 7000 Johnson St. NE Albuquerque, NM 87109-4355
ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

ALBUQUERQUE PUBLIC SCHOOLS
APPS

**VOLCANO VISTA HIGH SCHOOL
PHASE 2**

ADDRESS
8100 Rainbow NW
Albuquerque NM

BID SET

PROJECT #: 06045
CAD DWG FILE: 060278g01_Ph2-bw.dwg
DWN BY: RMB
CHK BY: JLM
Copyright:
SMPC Architects © 2007

These documents were prepared for this specific project only. SMPC Architects' liability is limited to this specific project, and does not extend to reuse of these documents for other projects.

SHEET TITLE:

GRADING & DRAINAGE
& UTILITY PLAN

RECEIVED
MAR 26 2010
HYDROLOGY
SECTION
SHEET

C-138

