

CONSTRUCTION PLANS FOR LOS ANGELES LANDFILL GRADING PLAN - PHASE II ALBUQUERQUE, NEW MEXICO

INDEX

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2	GRADING PLAN
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4	MISCELLANEOUS DETAILS

EXISTING SITE CONDITIONS

THE EXISTING SITE IS OVER THE OLD LOS ANGELES LANDFILL AND IS USED AS AN RV PARK DURING THE BALLOON FIESTA. THE EXISTING SITE CONTAINS AN EXTENSIVE UNDERGROUND PIPING EXTRACTION SYSTEM AND A NUMBER OF OTHER BURIED UTILITIES. THE SITE CONTINUES TO SETTLE EXTENSIVELY OVER TIME. THE SITE CONTAINS LANDFILL GAS AND LANDFILL MATERIALS.

PROPOSED SITE DRAINAGE PLAN

THE DEVELOPED SITE WILL CLOSELY FOLLOW THE EXISTING DRAINAGE PATTERNS. THE NEW GRADING WILL FILL IN SOME SETTLED AREAS AND WILL EXPEDITE DRAINAGE RUNOFF FROM THE SITE.

EROSION CONTROL PLAN

CONTRACTOR IS RESPONSIBLE FOR THE ABATEMENT OF SEDIMENT ONTO ADJOINING PUBLIC RIGHT-OF-WAY, PUBLIC AND/OR PRIVATE LAND DURING CONSTRUCTION AND FOR THE REMOVAL OF ANY SEDIMENT DEPOSITED ON ANY ADJOINING AREAS.

CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING A "TOP SOIL DISTURBANCE PERMIT", PROTECTING ADJACENT PROPERTY FROM SEDIMENT (SEE ABOVE NOTE) AND REPAIRING ANY DAMAGED PROMPTLY.

LEGAL DESCRIPTION

TRACT F, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT SHOWING TRACTS "A" THRU "F" INCLUSIVE, OF LANDS OF SPRINGER CORPORATION, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY ON JULY 11, 1975 IN VOLUME D, FOLIO 163.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION, INCLUDING WORKER HEALTH AND SAFETY ASPECTS, OF THESE IMPROVEMENTS.
2. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
3. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE ENVIRONMENTAL HEALTH DEPARTMENT (768-2618). ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE ENVIRONMENTAL HEALTH DEPARTMENT (768-2618).
5. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.

6. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL COORDINATE WITH ENVIRONMENTAL HEALTH DEPARTMENT (768-2618) LOCATION OF ALL CONSTRUCTION EQUIPMENT PARKING.
7. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, SURFACE DISTURBANCE)
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
9. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, WHEELCHAIR RAMPS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COA STANDARDS, AT HIS OWN EXPENSE.
10. LOCATION OF UTILITIES ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PERTINENT UTILITIES IN THE FIELD.
11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUPPORT ALL UTILITIES EXPOSED DURING CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES, INCLUDING SERVICE LINES, EXTRACTION PIPE, MONITORING AND EXTRACTION WELL HEADS, WELL VAULTS, CONDENSATION SUMPS, AND ISOLATION VALVE VAULTS.

12. MILLINGS GREATER THAN SIX INCHES IN THICKNESS, IMPACTED DURING GRADING, SHALL BE STOCKPILED IN AN AREA DESIGNATED BY THE ENVIRONMENTAL HEALTH DEPARTMENT (768-2618) AT THE END OF THE PROJECT ALL STOCKPILED MILLINGS WILL BE PROCESSED WITH HFE-150 OR HFE-300 EMULSION AS REQUIRED BY THE MANUFACTURER'S INSTRUCTIONS AND WILL BE PLACED BACK IN THEIR ORIGINAL LOCATION. MILLINGS LESS THAN SIX INCHES IN THICKNESS, IMPACTED DURING GRADING, SHALL BE LEFT IN PLACE, BUT SHALL BE SCARIFIED TO A MINIMUM OF 8" BEFORE PLACEMENT OF FILL.
13. ANY TRASH ENCOUNTERED DURING THE GRADING SHALL BE STOCKPILED IN AN AREA DESIGNATED BY THE ENVIRONMENTAL HEALTH DEPARTMENT (768-2618) AND COVERED WITH A MINIMUM OF 10 MIL POLYETHYLENE PLASTIC SHEETING TO PREVENT BEING BLOWN BY THE WIND AND FOR ODOR CONTROL. THE OWNER SHALL ARRANGE REMOVAL OF TRASH FROM THE SITE, AT OWNER'S EXPENSE. CONTRACTOR SHALL ASSIST OWNER WITH PLACING TRASH IN A ROLL-OFF BIN AND/OR SIMILAR CONTAINER.
14. LIMIT HEAVY TRUCK OR SCRAPER TRAFFIC TO EXISTING ROADS AND WORK AREAS LOCATED ON THE LANDFILL.
15. SEEDING WILL BE PERFORMED BY THE CITY PARKS AND RECREATION DEPARTMENT.

OFF-SITE FLOW RATE SUMMARY *				
Watershed Name	Existing Drainage Structure	Analysis PT	Exist. 100 yr. CFS	Devel. 100 yr. CFS
Washington Business Park	Asphalt Swale	AP7	333**	361**
North & South Domingo Baca (Domingo Baca Channel)	Unlined Earthen Arroyo	AP8	4650**	7234**

* Albuquerque International Balloon Fiesta Park Conceptual Drainage Master Plan, Feb. 1998

** See AHYMO Summary Tables furnished under separate cover.

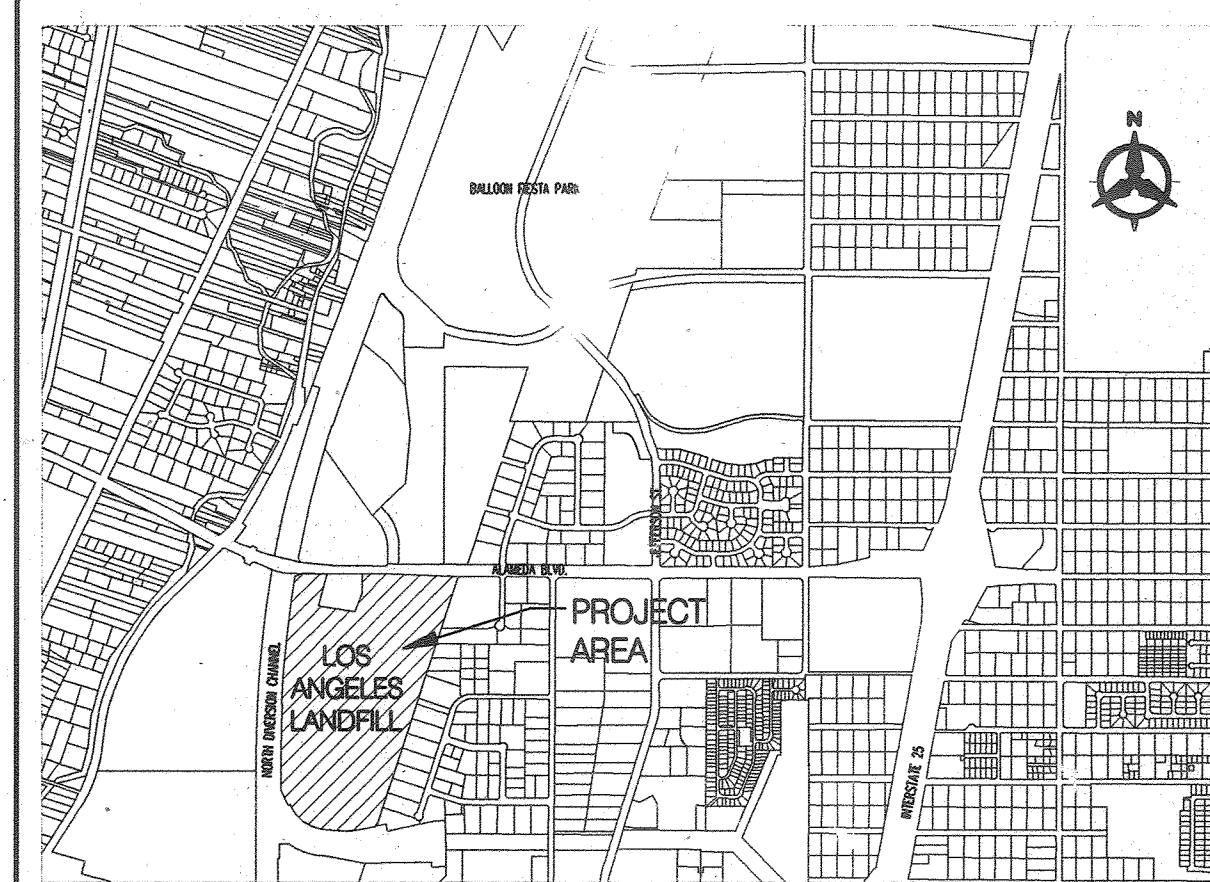
FLOW RATE SUMMARY *						
Watershed Name	Existing Drainage Structure	Proposed Drainage Structure	Exist. 100 Year Flow	Devel. 100 Year Flow	Exist. Capacity	
NDC Inlet #4	NDC Inlet	Same as existing	39	39	530	
NDC Inlet #5	NDC Inlet	Same as existing	151	151	690	
NDC Inlet #6	NDC Inlet	Same as existing	418	446	430 **	
Domingo Baca Inlet of NDC	Trapezoidal, concrete inlet 20' bottom width, ~11' deep, 2:1 side slopes	Same as existing	4650	7234	7800	

* Albuquerque International Balloon Fiesta Park Conceptual Drainage Master Plan, Feb. 1998

** Does not include 24" polyethylene pipe.

DEVELOPED DRAINAGE CONDITIONS										
Drainage Basin	Drainage Area (ac.)	%A	%B	%C	%D	ZONE 2 CFS/AC A	ZONE 2 CFS/AC B	ZONE 2 CFS/AC C	ZONE 2 CFS/AC D	UNBULKED C100 CFS
NDC Inlet #4	13.04	0.00%	43.70%	56.30%	0.00%	1.56	2.28	3.14	4.70	36.0
NDC Inlet #5	44.90	0.00%	0.00%	100.00%	0.00%	1.56	2.28	3.14	4.70	141.0
NDC Inlet #6	25.24	0.00%	0.00%	100.00%	0.00%	1.56	2.28	3.14	4.70	79.3

* Albuquerque International Balloon Fiesta Park Conceptual Drainage Master Plan, Feb. 1998



VICINITY MAP

C-17-Z

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #6.
 3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS, SHOULD A CONFLICT EXIST. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 4. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION AND THE ENVIRONMENTAL HEALTH DEPARTMENT (768-2618) A DETAILED CONSTRUCTION SCHEDULED. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
 5. ALL WORK EFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
 6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
 7. ALL PERMANENT SURVEY MONUMENTS WILL BE SHOWN ON THE CONSTRUCTION PLANS. THESE SURVEY MONUMENTS INCLUDE, BUT NOT LIMITED TO: PROPERTY OWNERS, AMAFCA, BOUNDARY CORNERS, PUBLIC LAND SURVEY MONUMENTS, AND GEODETIC SURVEY CONTROL.

A. GEODETIC SURVEY MONUMENTS: THE CITY OF ALBUQUERQUE, GEODETIC SURVEY, SHALL BE NOTIFIED NOT LESS THAN THREE (3) WORKING DAYS PRIOR TO STARTING WORK THAT WILL IMPACT ANY EXISTING ACS GEODETIC SURVEY MONUMENTS. ALL REFERENCING AND REPLACEMENT OF ACS MONUMENTS SHALL BE DONE BY THE CITY OF ALBUQUERQUE GEODETIC SURVEY. ANY ACS MONUMENTS DAMAGED OR DESTROYED DUE TO THE FAILURE OF THE CONTRACTOR TO NOTIFY AS STATED ABOVE SHALL BE REPAIRED OR REPLACED BY THE CITY OF ALBUQUERQUE, GEODETIC SURVEY, AT THE CONTRACTOR'S EXPENSE.

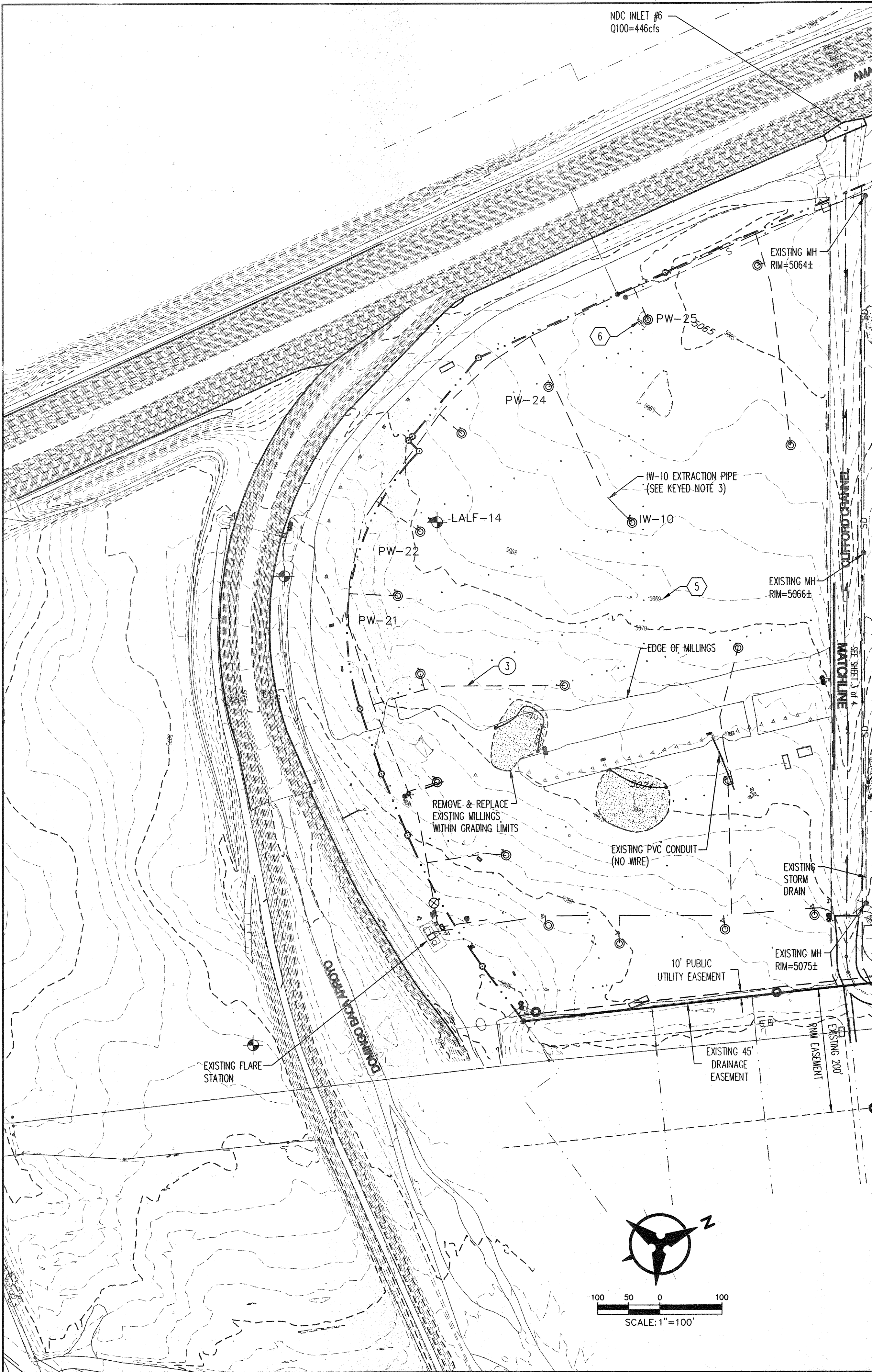
B. ALL OTHER PERMANENT SURVEY MONUMENTS: CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) WORKING DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4.1 OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986.
 8. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
 9. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
 10. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED**
- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

Bohannon & Huston

Courtney One 7500 JEFFERSON NE ALBUQUERQUE NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****	*****	*****	*****
	DRC Chairman	<i>[Signature]</i>	5-3-01	APPROVED FOR CONSTRUCTION			
	Transportation	<i>[Signature]</i>	5-3-01				
	Water/Wastewater	<i>[Signature]</i>	5-3-01				
	Hydrology	<i>[Signature]</i>	5-3-01				
Parks							
Const. Coord.	<i>[Signature]</i>	5-3-01					
City Project No.	6629.91			Sheet	1	Of	4



KEYED NOTES:

① GRADE ADJUSTMENTS FOR WELLHEADS: PW-5, PW-9, IW-8, PW-12

THE CONTRACTOR SHALL COORDINATE WITH THE CITY'S SUBCONTRACTOR TO MODIFY AND ADJUST WELLHEADS TO THE PROPOSED GRADE. THE CONTRACTOR SHALL EXCAVATE THE PRESENT FILL FROM AROUND THE WELLHEADS AND DOWN TO THE EXISTING LATERAL PIPING (APPROXIMATELY 2 TO 5 FEET BELOW GROUND SURFACE) AND SHALL LAY BACK THE SOIL TO A SAFE WORKING DISTANCE. THE CONTRACTOR SHALL EXCAVATE AROUND THE WELLHEAD IN A MANNER THAT WILL NOT DESTROY OR DAMAGE THE WELLHEAD, WELLHEAD VAULT AND/OR ASSOCIATED PIPING. ANY DAMAGE TO THESE STRUCTURES SHALL BE REPLACED AT THE CONTRACTOR'S COST.

THE CITY'S SUBCONTRACTOR SHALL MODIFY THE WELLHEAD AND ITS ASSOCIATED PIPING TO THE PROPOSED GRADE. AFTER THE CITY'S SUBCONTRACTOR IS FINISHED WITH THE MODIFICATION, THE CONTRACTOR SHALL REINSTALL THE WELLHEAD VAULTS TO FINISHED GRADE. THE CONTRACTOR SHALL LEAVE A MINIMUM OF 4 INCHES OF THE WELLHEAD VAULT ABOVE GROUND.

THE CONTRACTOR SHALL GRADE AROUND THE WELLHEAD VAULT TO DRAIN AWAY FROM THE WELLHEAD. GRADING AROUND WELLHEAD SHALL BE DONE BY HAND, LIGHT EQUIPMENT AND/OR BY MEANS, WHICH SHALL NOT DESTROY OR DAMAGE THE WELLHEAD. SEE SHEET 4 FOR WELLHEAD VAULT DETAIL.

② GRADE ADJUSTMENTS FOR WELLHEADS: W-4

THE CONTRACTOR SHALL COORDINATE WITH THE CITY'S SUBCONTRACTOR TO MODIFY THE WELLHEAD. THE CONTRACTOR SHALL EXCAVATE THE PRESENT FILL FROM AROUND THE WELLHEAD AND DOWN TO THE EXISTING LATERAL PIPING (APPROXIMATELY 2 TO 5 FEET BELOW GROUND SURFACE) AND SHALL LAY BACK THE SOIL TO A SAFE WORKING DISTANCE. THE CONTRACTOR SHALL EXCAVATE AROUND THE WELLHEAD IN A MANNER THAT WILL NOT DESTROY OR DAMAGE THE WELLHEAD, WELLHEAD VAULT AND/OR ASSOCIATED PIPING. ANY DAMAGE TO THESE STRUCTURES SHALL BE REPLACED AT THE CONTRACTOR'S COST.

WELLHEAD W-4 IS BEING CAPPED. THE CITY'S SUBCONTRACTOR SHALL REMOVE THIS WELLHEAD. AFTER THE CITY'S SUBCONTRACTOR IS FINISHED WITH THE MODIFICATION, THE CONTRACTOR SHALL FILL THE AREA TO THE PROPOSED FINISHED GRADE. THE FIRST TWO FEET OF FILL SHALL BE PLACED AND COMPACTED BY HAND, LIGHT EQUIPMENT AND/OR BY MEANS WHICH SHALL NOT DESTROY OR DAMAGE THE EXISTING UNDERGROUND LATERAL PIPING. THE REMAINING LIFTS MAY BE PLACED BY NORMAL MEANS.

THE CONTRACTOR SHOULD TAKE EVERY PRE-CAUTION WHEN WORKING IN THE AREA OF THIS WELLHEAD. IT IS POSSIBLE FOR THE GROUND TO CAVE IN WITH THE USE OF ANY HEAVY EQUIPMENT. IT IS ADVISABLE TO ENSURE THAT THE AREA CAN WITHSTAND THE WEIGHT OF THE EQUIPMENT PRIOR TO INITIATING THE WORK.

③ THERE IS A 15 FOOT EXCLUSION ZONE AROUND THE FOLLOWING STRUCTURES:

- * ALL GAS EXTRACTION WELLS-SEE KEYED NOTE 1
- * ALL ISOLATION VALVES
- * ALL CONDENSATE SUMPS
- * IW-10 GAS EXTRACTION WELL AND EXTRACTION PIPE (SEE PLANS)
- * PW-29 GAS EXTRACTION WELL AND EXTRACTION PIPE (SEE PLANS)
- * ALL EXISTING MONITORING WELLS

GRADING WITHIN THE 15 FOOT EXCLUSION ZONE MUST BE PERFORMED BY HAND, OR BY MEANS THAT SHALL NOT DAMAGE/DESTROY THESE STRUCTURES.

④ IF EXISTING RV HOOKUPS ARE ENCOUNTERED DURING GRADING AND REQUIRE REMOVAL, THE CONTRACTOR SHALL REMOVE THE HOOKUP AND RECORD IT ON THE RECORD DRAWINGS. THE CONTRACTOR SHALL REMOVE HOOKUP IN SUCH A MANNER THAT THE REMAINING HOOKUPS CAN STILL BE ENERGIZED.

GRADING NOTES:

1. ALL EXISTING WELLS, VALVES, SUMPS, ARE SURROUNDED BY BOLLARDS AND OR "TEE POSTS" WITH FLAGGING.
2. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO WELLS, SUMPS, EXTRACTION PIPING AND/OR VALVES DUE TO HIS/HER NEGLIGENCE.
3. ALL FILL SHALL BE PLACED IN NOT MORE THAN 8 INCH LOOSE LIFTS, AND SHALL BE COMPACTED TO 90% OF MAXIMUM DRY DENSITY AND $\pm 2\%$ OF OPTIMUM MOISTURE CONTENT AS PER ASTM D1557.
4. USE OF WATER ON THE SITE SHALL BE KEPT TO A MINIMUM. PONDING OF WATER ON THE LANDFILL SURFACE IS NOT ALLOWED.
5. IMPORTED FILL SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - A. MATERIAL SHALL BE SC, SM, SC-SM AS DEFINED BY THE UNIFIED SOIL CLASSIFICATION SYSTEM.
 - B. THE MATERIAL SHALL HAVE A MINIMUM OF 20%, BUT NOT MORE THAN 25%, PASSING THE NUMBER 200 SIEVE.
 - C. THE IMPORTED FILL SHALL HAVE 100% PASSING THE NUMBER 2 SIEVE.
 - D. THE CONTRACTOR SHALL VERIFY FOR ENVIRONMENTAL HEALTH DEPARTMENT THAT THE SOIL MEETS THE ABOVE SPECIFICATIONS AND SHALL DELIVER A SAMPLE ALONG WITH THE APPROPRIATE TEST RESULTS OF THE SOIL TO EHD FOR FINAL APPROVAL.
6. DURING GRADING ON THIS PROJECT, THE OWNER WILL IDENTIFY AREAS WHERE RECENT SETTLEMENT HAS OCCURRED. THE CONTRACTOR SHALL REGRADE THESE AREAS AS DIRECTED BY OWNER/ENGINEER.
7. PRIOR TO PLACEMENT OF FILL, GRADED AREAS SHALL BE GRUBBED, AND SCARIFIED TO A MINIMUM DEPTH OF 6".

EXISTING EXTRACTION

PIPING LEGEND

- EXISTING GAS EXTRACTION WELL
- EXISTING METHANE WELL
- ⊗ EXISTING ISOLATION VALVE
- EXISTING CONDENSATE SUMP
- ⊕ EXISTING MONITORING WELL
- EXISTING EXTRACTION PIPE
- EXISTING RV HOOKUPS

LEGEND

EXISTING

NEW

- 5075 --- INDEX CONTOUR
- 5076 --- CONTOUR
- GRADING LIMITS
- FLOWLINE
- MANHOLE
- SD --- STORM DRAIN
- S --- SANITARY SEWER
- AMAFCA RIGHT OF WAY

ADDITIONAL GRADING LOCATIONS:

DEPRESSION POINT	ELEVATION	NORTHING	EASTING	DEPTH OF FILL (ft.)
1	5077	1,522,506.32	395,766.85	0.3
2	5073	1,522,205.26	395,500.31	0.5
3	5068	1,521,841.45	395,265.33	1.0
4	5068	1,522,073.41	395,063.02	0.4
5	5069	1,520,923.55	394,766.11	0.5
6	5065	1,521,090.15	394,348.40	0.75

WELL ID	AMOUNT OF FILL (FEET)	TYPE OF WELL	ADJUSTMENT TYPE
PW-5	1.2'	OLD	1-NEW WELL VAULT (LFG + E)
PW-9	0.8'	OLD	1-NEW WELL VAULT (LFG + E)
PW-12	0.1'	OLD	1-NEW WELL VAULT (LFG + E)
IW-8	1.7'	NEW	1-NEW WELL VAULT (LandTec)

LFG + E = 24" LENGTH
LAND TEC = 19" HEIGHT

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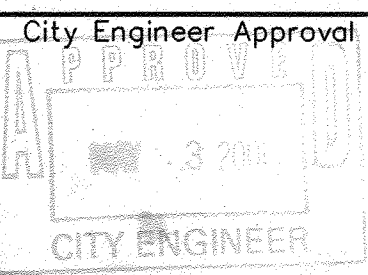
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ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS



CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL SERVICES DIVISION

LOS ANGELES LANDFILL
GRADING PLAN



Mo./Day/Yr.

Mo./Day/Yr.

City Project No.

6629.91

Zone Map No.

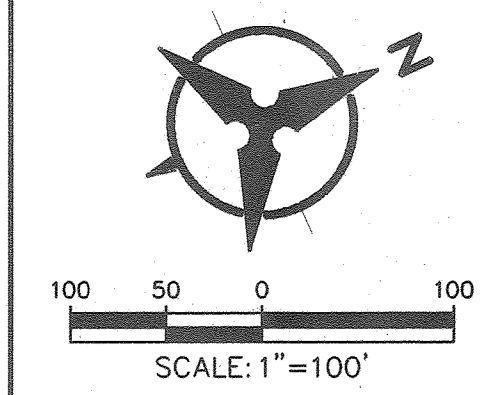
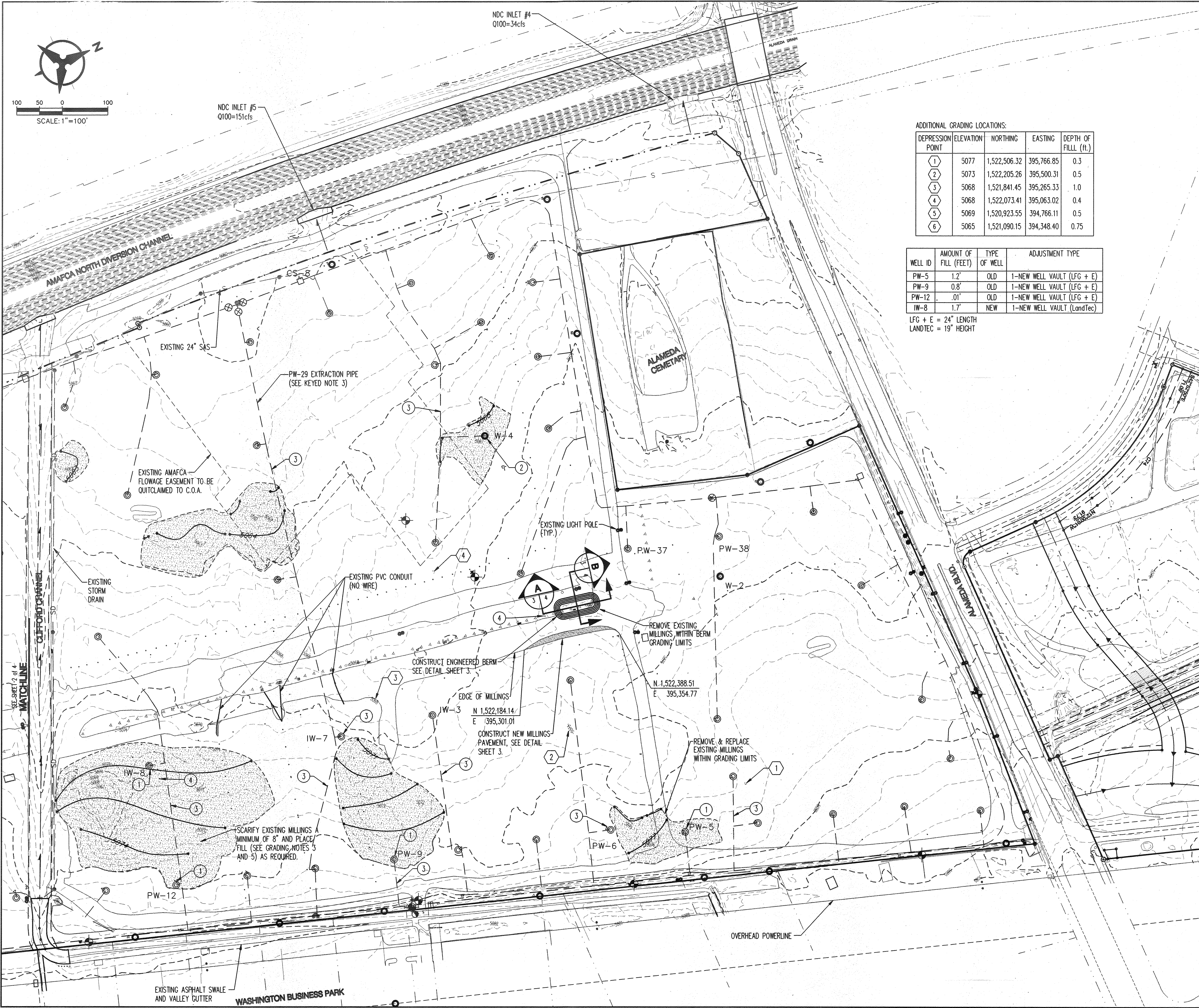
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Of

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LFG + E = 24" LENGTH
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- EXISTING EXTRACTION**
- PIPING LEGEND**
- EXISTING GAS EXTRACTION WELL
 - EXISTING METHANE WELL
 - EXISTING ISOLATION VALVE
 - EXISTING CONDENSATE SUMP
 - EXISTING MONITORING WELL
 - EXISTING EXTRACTION PIPE
 - EXISTING RV HOOKUPS

- LEGEND**
- | EXISTING | NEW | |
|----------|------|---------------------|
| --- | 5075 | INDEX CONTOUR |
| --- | 5076 | CONTOUR |
| --- | --- | GRADING LIMITS |
| --- | --- | FLOWLINE |
| --- | --- | MANHOLE |
| --- | --- | STORM DRAIN |
| --- | --- | SANITARY SEWER |
| --- | --- | AMAFCA RIGHT OF WAY |

NOTES:

1. SEE SHEET 2 OF 4 FOR KEYED NOTES.

- GRADING NOTES:**
- ALL EXISTING WELLS, VALVES, SUMPS, ARE SURROUNDED BY BOLLARDS AND OR "TEE POSTS" WITH FLAGGING.
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 - PRIOR TO PLACEMENT OF FILL, GRADED AREAS SHALL BE GRUBBED, AND SCARIFIED TO A MINIMUM DEPTH OF 6".

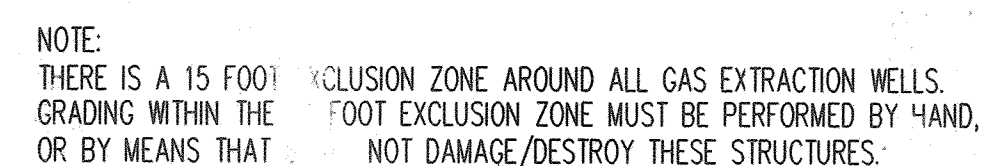
Bohannon & Huston

Courtyard One 7500 JEFFERSON NE ALBUQUERQUE NEW MEXICO 87109

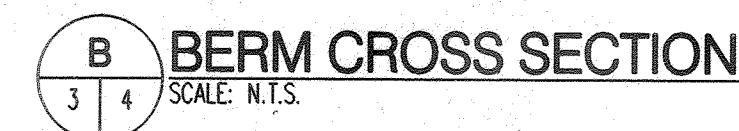
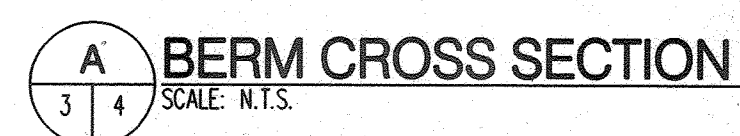
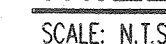
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS


CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL SERVICES DIVISION
LOS ANGELES LANDFILL
GRADING PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY - 3 2007	APPROVED MAY 3 2007		
City Project No. 6629.91	Zone Map No. C-17-Z	Sheet 3	Of 4



SCALE: N.T.S.

[illegible]

 **CITY OF ALBUQUERQUE**
ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL SERVICES DIVISION
LOS ANGELES LANDFILL
MISCELLANEOUS DETAILS

Design Review Committee	City Engineer Approval	M:	Mo./Day/Yr.
APPROVE MAY - 3 2001	APPROVE MAY 3 2001 CITY ENGINEER	Last Design Update	
City Project No.	Site Map No.		
6629.91	3-17-Z		