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SCANNED BY PLANNING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

NEW MEXICO UTILITIES, INC.

CONSTRUCTION PLANS
FOR

VALLE VISTA
AT THE TRAILS UNIT II

GRADING, PAVING, UTILITIES, & STORM DRAIN

INDEX TO DRAWINGS

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief;

Russ P. Hugg
NMPS No. 9750
4-17, 2007

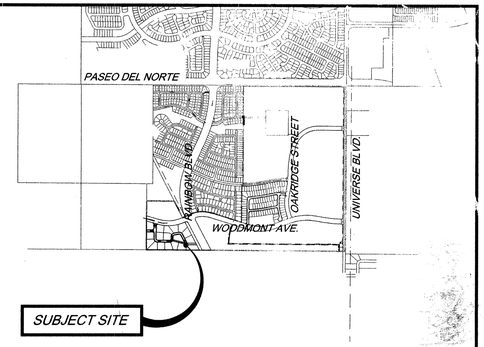
PROFESSIONAL SURVEYOR — STATE OF NEW MEXICO — No. 9750 — RUSS P. HUGG

APPROVED AS RECORD DRAWINGS
DESIGN SECTION
CITY CONSTRUCTION ENGINEER
DATE 6-24-2008

RECORD DRAWINGS

I, J. Allen Bolinger of the firm of Smith Engineering Company, a Registered Professional Engineer in the State of New Mexico, do hereby state that to the best of my knowledge and belief, the infrastructure for this project as shown on the plans has been constructed in general accordance with the project plans and in general accordance with the City of Albuquerque Standard Specifications for Public Works Construction (Including all updates), and that the general intent of the plans has been met except as noted on the as-built construction drawings. The infrastructure construction has been observed by a qualified person from Smith Engineering Company and this statement covers infrastructure installation that was observed while a representative from Smith Engineering was on site. This statement is based on site observations by Smith Engineering Company personnel and on as-built information provided to Smith Engineering Company. RUSS HUGG (Surveyor's name), NMPS number 9750 (PS#).

PROFESSIONAL ENGINEER — J. ALLEN BOLINGER — 7695 — 3-11-08



VICINITY MAP
C-9-Z

GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THRU UPDATE NO. 7.
2. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER, AND SHALL BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN 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 OF GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924–3400) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, INC. (260–1990) FOR LOCATION OF EXISTING UTILITIES.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
6. ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW MEXICO UTILITIES, INC. SPECIFICATIONS FOR WATER AND WASTE WATER FACILITIES (MOST RECENT REVISIONS). (NMUI 898–2661)
7. THE CONTRACTOR SHALL NOTIFY NEW MEXICO UTILITIES (898–2661) THREE WORKING DAYS PRIOR TO BEGINNING THE CONSTRUCTION OF THE UTILITIES.
8. THE PUBLIC WATER LINE MUST BE A MINIMUM OF 18" ABOVE THE SEWER LINE AT ALL CROSSINGS.
9. ELECTRONIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
10. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
11. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
12. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
13. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
14. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED BY CONTRACTOR WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS IN EXISTING STRIPING LOCATIONS UNLESS OTHERWISE INDICATED BY THIS PLAN SET.
15. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24 HOUR CONSTRUCTION.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR, OR REMOVAL AND REPLACEMENT, OF ANY PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, SIDEWALK, WHEELCHAIR RAMP OR ANY OTHER EXISTING IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS.
17. FOR STORM DRAIN CONSTRUCTION, RCP PIPE SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
18. EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS EMPLOYEES SAFETY.
19. WARNING—EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

    THE ENGINEER HAS UNDER AKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.
20. PRIVATE STREETS REQUIRE STREET NAME SIGNS, STOP SIGNS AND ANY NECESSARY STRIPING. (DEVELOPER'S RESPONSIBILITY).

DRB CASE No. 1004606

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898–8021

UTILITY COMPANY CONTACTS

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(Water & Sanitary Sewer)
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Suite 201
Albuquerque, New Mexico 87114
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Rocky Ferran
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David Muller
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Comcast Digital Cable
Rita Erickson
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Albuquerque, NM 87107
(505) 761–6235

AMAFCA
Executive Engineer
John Kelly
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(505) 884–2215

PNM GAS
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Albuquerque, New Mexico 87107
Elisabeth Gable
(505) 241–7745

AT&T
Dave Crowel
111 3rd ST., NW
Albuquerque, New Mexico 87103
(505) 842–2911

NOTE

APPROVAL SIGNATURES REQUIRED FOR ENTITIES OTHER THAN CITY OF ALBUQUERQUE ARE PROVIDED ON INDIVIDUAL SHEETS.

NOTE

THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

NOTE

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

NOTE

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF WILSON & COMPANY. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

TRAFFIC CONTROL

TRAFFIC CONTROL FOR CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 2800 TEMPORARY TRAFFIC CONTROL OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2003 EDITION AS AMENDED THRU UPDATE NO. 7. CONTRACTOR SHALL SUBMIT CONSTRUCTION PHASING SCHEDULE FOR APPROVAL FROM DESIGN ENGINEER PRIOR TO CONSTRUCTION.

FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924–3400) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS SHOWN IN THIS PLAN SET.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE

ANGELA N. VALDEZ — NEW MEXICO — 15814 — LICENSED PROFESSIONAL ENGINEER — 4/21/06

APPROVALS	ENGINEER	DATE	**********
DRC Chairman			APPROVED FOR CONSTRUCTION
Transportation			
Water/Wastewater			
Hydrology			
N.M.U.I.			
A.M.A.F.C.A.			
Constr. Coord.			City Engineer Date

City Project No. 730086

Sheet 1 Of 16

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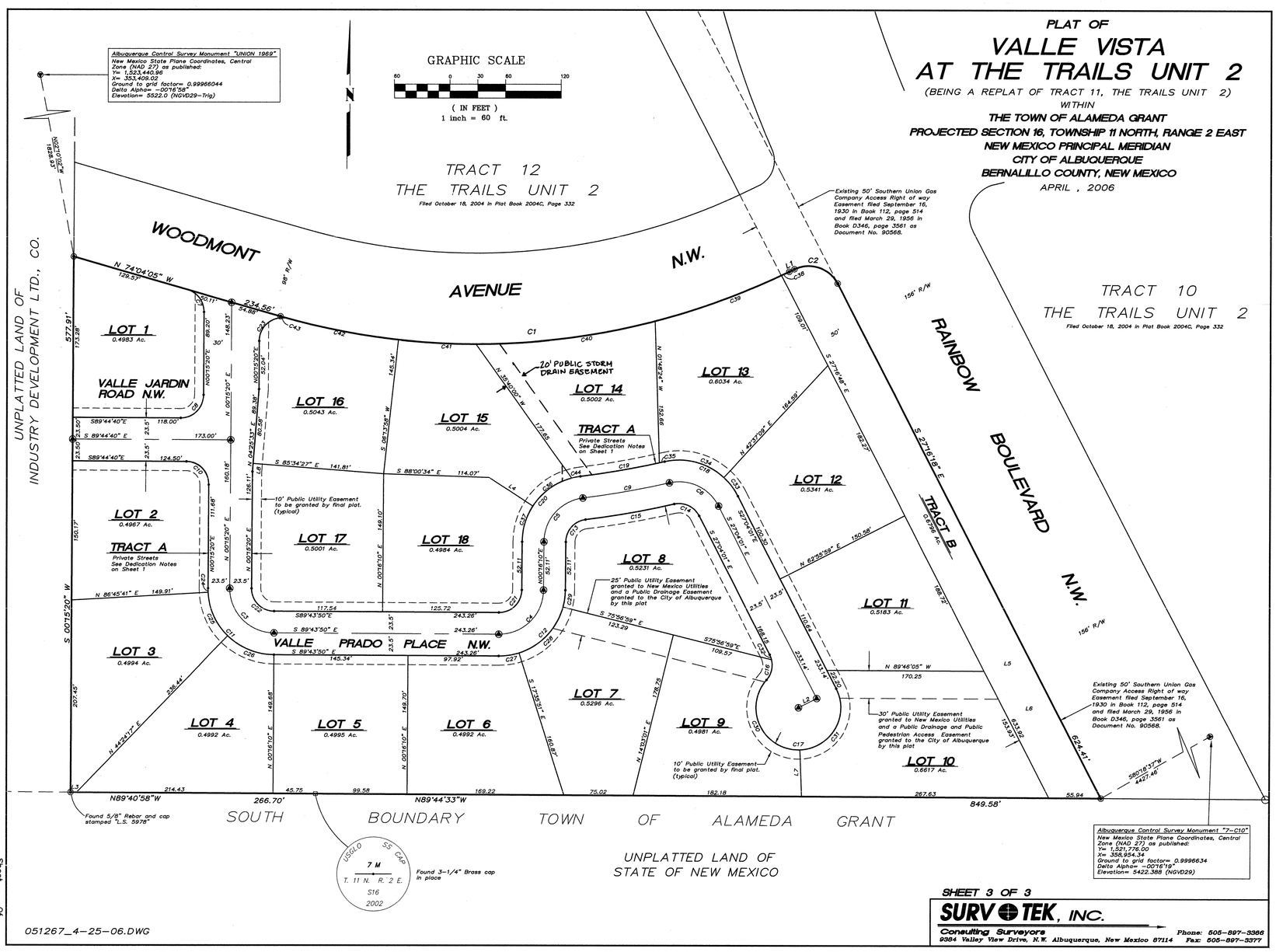

SHEET 3 OF 3

SURVTEK, INC.
Consulting Surveyors
9384 Valley View Drive, N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3366
Fax: 505-897-3377

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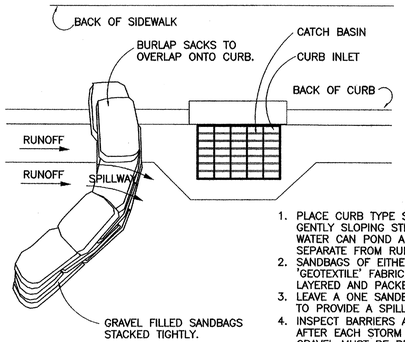
DUST AND EROSION CONTROL GENERAL NOTES

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE.
2. CONTRACTOR SHALL IMPLEMENT AND MAINTAIN DUST CONTROL MEASURES TO MINIMIZE WIND BORNE EROSION OF MATERIALS FROM THE PROJECT AREA. DUST CONTROL MEASURES MAY INCLUDE BUT ARE NOT LIMITED TO PRE-WETTING, WATERING, MULCH, REVEGETATION, DRIFT/SILT FENCING, WOODEN LATH SNOW FENCING, GROUND COVERS, SOIL STABILIZERS, COMPACTION TO HARD SURFACE CRUST AND HALTING SOIL DISTURBANCE ACTIVITIES. DUST CONTROL MEASURES SHALL BE IMPLEMENTED AS DETERMINED IN CONSULTATION WITH THE CONTRACTOR, ENGINEER, AND THE CITY OF RIO RANCHO.
3. CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES TO MINIMIZE THE WATER BORNE EROSION OF SEDIMENT FROM THE PROJECT AREA. EROSION CONTROL MEASURES MAY INCLUDE BUT ARE NOT LIMITED TO GROUND COVERS, SOIL STABILIZERS, MULCH, REVEGETATION, CONTOUR GRADING, SWALES, BERMS, SEDIMENT PONDS, SEDIMENT/SILT FENCING, FILTER FABRICS AND/OR MATERIALS, AND STRAW BALES. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS DETERMINED IN CONSULTATION WITH THE CONTRACTOR, ENGINEER, AND THE CITY OF RIO RANCHO.
4. ADDITIONAL DUST CONTROL AND/OR EROSION CONTROL MEASURES MAY BE REQUIRED DURING CONSTRUCTION DEPENDING ON UNFORESEEN CIRCUMSTANCES AND WEATHER CONDITIONS. ANY ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS DETERMINED IN CONSULTATION WITH THE CONTRACTOR, ENGINEER, AND THE CITY OF RIO RANCHO.
5. CONTRACTOR SHALL MINIMIZE SOIL DISTURBANCE TO THE MAXIMUM EXTENT POSSIBLE. CLEAR AND GRUB WORK SHALL BE PERFORMED IN INCREMENTAL STEPS AS THE WORK PROGRESSES. REVEGETATION WORK SHALL ALSO BE PERFORMED IN INCREMENTAL STEPS AS THE WORK IS COMPLETED.
6. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND OBTAIN CONSTRUCTION WATER IN ACCORDANCE WITH THE POLICIES AND REQUIREMENTS OF THE WATER PROVIDER. CONTACT THE CITY OF RIO RANCHO WATER & WASTEWATER DEPARTMENT AT 898-5020 x3008.
7. CONTRACTOR SHALL NOT ENTER ONTO PRIVATE PROPERTY TO IMPORT, EXPORT, OR HAUL MATERIAL WITHOUT WRITTEN PERMISSION FROM THE PROPERTY OWNER.
8. CONTRACTOR SHALL PRE-WET THE WORK AREA PRIOR TO SOIL DISTURBANCE AND SHALL WATER THE SITE AS NECESSARY TO CONTROL DUST DURING CONSTRUCTION. CONTRACTOR SHALL LEAVE THE SITE IN A WET-DOWN, STABLE CONDITION AT THE END OF EACH WORK DAY. A SUFFICIENT DUST CONTROL WATER SUPPLY AND DUST CONTROL EQUIPMENT SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES.
9. TO MINIMIZE TRACKING OF SOIL AND GRAVEL ONTO PAVED STREETS, STABILIZED CONSTRUCTION ENTRANCES AND/OR A CONTRACTOR OPERATED STREET SWEEPER WILL BE USED TO CONTROL SOIL TRACKING.
10. IF SOIL OR WIND CONDITIONS ARE SUCH THAT DUST CANNOT BE CONFINED TO THE PROJECT SITE, CONTRACTOR SHALL VOLUNTARILY HALT SOIL DISTURBANCE ACTIVITIES UNTIL WINDS ABATE AND/OR DUST CAN BE EFFECTIVELY CONTROLLED.
11. ALL TRUCKS HAULING IMPORT, EXPORT OR ONSITE MATERIAL SHALL BE EQUIPPED WITH SOUND BEDS, SIDEBOARDS, TAILGATES AND COVERS MAINTAINED IN GOOD WORKING ORDER. COVERS SHALL BE USED AT ALL TIMES DURING HAULING OPERATIONS.
12. CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL SPILLED, CARRIED, TRACKED OR ERODED ONTO ADJACENT PRIVATE PROPERTY OR PUBLIC RIGHT-OF-WAY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF WATER BORNE AND WIND BORNE MATERIAL WHICH ORIGINATES FROM THE WORK AREA AND IS ATTRIBUTABLE TO PROJECT CONSTRUCTION.
13. DRIFT/SILT FENCING SHALL BE ADP ENTERPRISES, INC. DURETHENE SNOW AND SAND CONTROL FENCING AWSF-4100-40, WOOD LATH SNOW FENCE OR APPROVED EQUAL INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
14. SEDIMENT/SILT FENCING SHALL BE AMOCO PROPEX SILT STOP, AMERICAN EXCELSIOR COMPANY SILT STOP, MIRAFI, INC. SILT FENCE OR APPROVED EQUAL INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
15. WHERE SOIL CONDITIONS PERMIT EFFECTIVE IMPLEMENTATION, CONTRACTOR MAY COMPACT DISTURBED SOIL AREAS TO A HARD SURFACE FOR TEMPORARY DUST CONTROL.
16. IN AREAS WHERE FUTURE SOIL DISTURBANCE OR CONSTRUCTION BY OTHERS IS IMMINENT AND WHEN THE INTERIM NON-WORK TIME PERIOD DOES NOT ENCOMPASS ANY TIME BETWEEN FEBRUARY 15 AND MAY 15, CONTRACTOR MAY GRADE, SHAPE, MOISTURE PROCESS AND COMPACT DISTURBED SOIL AREAS TO FORM A SMOOTH, HARD SURFACE CRUST AFTER CONSTRUCTION WORK IS COMPLETE.
17. EXCEPT AS OTHERWISE AUTHORIZED IN WRITING, CONTRACTOR SHALL GRADE, MULCH, CRIMP AND SEED ALL DISTURBED SOIL AREAS IN ACCORDANCE WITH CITY OF ALBUQUERQUE, SECTION 1012, NATIVE GRASS SEEDING WESTSIDE MIX, OF THE PROJECT SPECIFICATIONS.
18. THE CONTRACTOR AND THE CITY PROJECT MANAGER (OR HIS DESIGNEE) WILL INSPECT THE SITE EVERY TWO WEEKS AND AFTER ANY RAINFALL EVENT EXCEEDING ½ INCH. WRITTEN INSPECTION REPORTS WILL BE KEPT ON FILE ON SITE. CONTRACTOR WILL INSPECT ALL STORM WATER CONTROL MEASURES IN PLACE AND MAKE MODIFICATIONS OF CONTROL MEASURES AS PROJECT PROGRESSES TO BEST UTILIZE POLLUTION CONTROL MEASURES.
19. INSPECTION FORMS WILL BE SIGNED AND DATED BY THE CONTRACTOR AND THE CITY PROJECT MANAGER (OR HIS DESIGNEE).

SOLID & HAZARDOUS WASTE CONTROLS

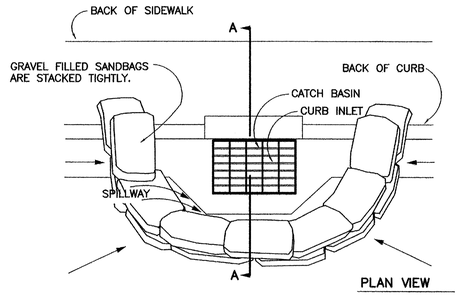
1. ONSITE CHEMICAL TOILETS WILL BE PROVIDED BY THE CONTRACTOR AND WILL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT.
2. TRASH CONTAINERS WILL BE PROVIDED BY THE CONTRACTOR, LOCATED BY EMPLOYEE LUNCH AND PARKING SITES, AND USED BY THE CONTRACTOR'S EMPLOYEES. CONTAINERS WILL BE EMPTIED AS NECESSARY.
3. NO HAZARDOUS MATERIALS WILL BE STORED ON THE PROJECT SITE. ANY FUEL STORED ONSITE WILL BE ENCLOSED BY SPILL CONTAINMENT STRUCTURES.
4. FUELING AND MINOR VEHICLE MAINTENANCE WILL BE DONE ON THE PROJECT SITE THROUGHOUT THE PROJECT DURATION. MAJOR VEHICLE OVERHAULS WILL BE DONE OFFSITE.
5. ANY FUEL SPILLS WILL BE IMMEDIATELY CONTAINED AND CLEANED UP BY THE CONTRACTOR. A SPILL KIT WILL BE LOCATED AT THE CONSTRUCTION OFFICE TRAILER LOCATION AND ALL OPERATORS WILL BE TRAINED IN THE USE OF THE SPILL KIT. EMERGENCY PHONE NUMBERS OF THE SAFETY DIRECTOR WILL ALSO BE POSTED IN THE CONSTRUCTION OFFICE TRAILER. CONTAMINATED SOIL WILL BE DISPOSED OF IN A MANNER PRESCRIBED FOR THE SPILLED MATERIAL. SPILL EMERGENCIES WILL BE REPORTED TO THE RIO RANCHO DEPARTMENT OF PUBLIC SAFETY, PHONE: 891-7226, OR CONTACT 911.
6. WEEKLY SAFETY MEETINGS WILL BE USED TO TRAIN AND REMIND EMPLOYEES AND SUBCONTRACTORS OF THE IMPORTANCE OF SAFETY, FIRST AID, POLLUTION PREVENTION AND THE USE OF SPILL KITS.



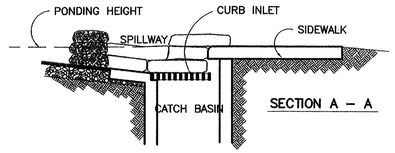
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN 'GEOTEXTILE' FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB AND GUTTER SEDIMENT BARRIER – PLAN VIEW

NTS



PLAN VIEW



CURB INLET SEDIMENT BARRIER

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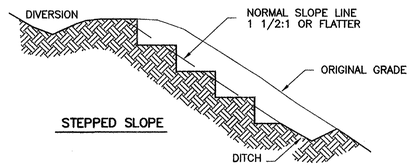
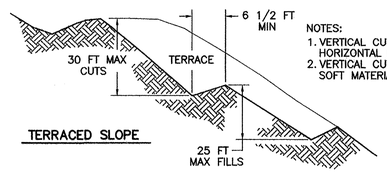


STEPPED SLOPE

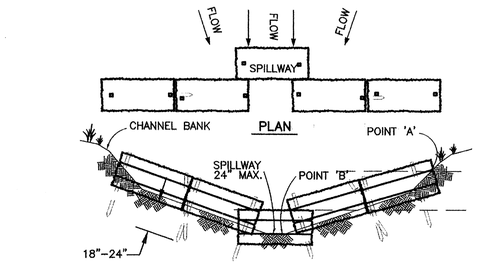


TERRACED SLOPE

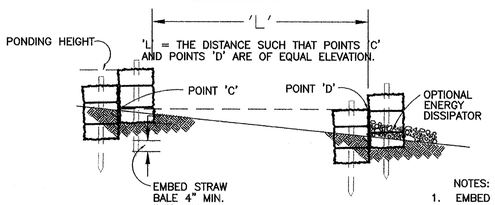
NOTES:
1. VERTICAL CUT DISTANCE SHALL BE LESS THAN HORIZONTAL DISTANCE.
2. VERTICAL CUT SHALL NOT EXCEED 2 FT. IN SOFT MATERIAL AND 3 FT. IN ROCKY MATERIAL.

STEPPED OR TERRACED SLOPE

NTS



VIEW LOOKING UPSTREAM

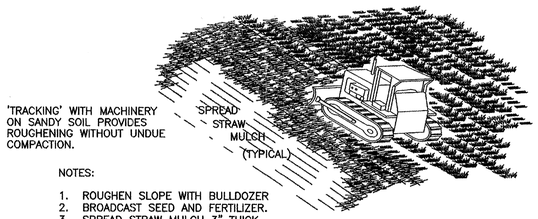


SECTION A – A

SPACING BETWEEN CHECK DAMS

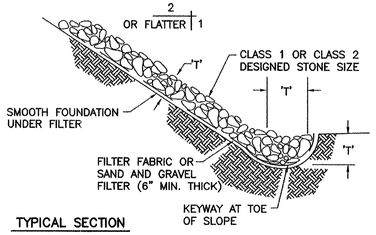
NOTES:
1. EMBED BALES 4" INTO THE SOIL AND 'KEY' BALES INTO THE CHANNEL BANKS.
2. POINT 'A' MUST BE HIGHER THAN POINT 'B'. (SPILLWAY HEIGHT)
3. PLACE BALES PERPENDICULAR TO THE FLOW WITH ENDS TIGHTLY ABUTTING. USE STRAW, ROCKS OR FILTER FABRIC TO FILL ANY GAPS AND TAMP BACKFILL MATERIAL TO PREVENT EROSION OR FLOW AROUND THE BALES.
4. SPILLWAY HEIGHT SHALL NOT EXCEED 24".
5. INSPECT AFTER EACH SIGNIFICANT STORM, MAINTAIN AND REPAIR PROMPTLY.

STRAW BALE CHECK DAM



NOTES:
1. ROUGHEN SLOPE WITH BULLDOZER
2. BROADCAST SEED AND FERTILIZER.
3. SPREAD STRAW MULCH 3" THICK. (2 1/2 TONS PER ACRE)
4. PUNCH STRAW MULCH INTO SLOPE BY RUNNING BULLDOZER UP AND AND DOWN SLOPE.

STRAW ANCHORING



TYPICAL SECTION

NOTE:
'T' = THICKNESS : THICKNESS SHALL BE DETERMINED BY THE ENGINEER.

MINIMUM THICKNESS SHALL BE 1.5x THE MAXIMUM STONE DIAMETER, NEVER LESS THAN 6 INCHES.

RIPRAP PROTECTION

PHASE I – MASS GRADING–INSTALL PERIMETER WIND FENCE/ PERIMETER WALL, CONSTRUCT TEMPORARY SEDIMENT CONTROL DIKE AND POND. MAINTAIN FLOW PATH FOR EXISTING CULVERT DRAINAGE.

PHASE II – FINAL GRADING–ADD FRONT YARD SEDIMENT CONTROL DEPRESSIONS. DEPRESSION SHALL BE FILL IN WITH MATERIAL EXCAVATED FOR FOUNDATION WHEN HOUSE IS CONSTRUCTED.

PHASE III – AS SURFACE INFRASTRUCTURE IS CONSTRUCTED ADD STRAW BALE PROTECTION IN BAR DITCHES AS SHOWN.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 357,543.73 Y= 1,527,976.48
Ground-to-Grid Factor = 0.99966354
ΔΩ = -00°16'30"
SLD 1929 Elevation = 5429.35

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
AS-BUILTS REVIEWED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
JAMES N. VALDEZ — NEW MEXICO — 18141 — REGISTERED PROFESSIONAL ENGINEER — LICENSED

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY — DATE NOV 2005	
		DRAWN BY — DATE NOV 2005	SJS
		CHECKED BY — DATE NOV 2005	

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

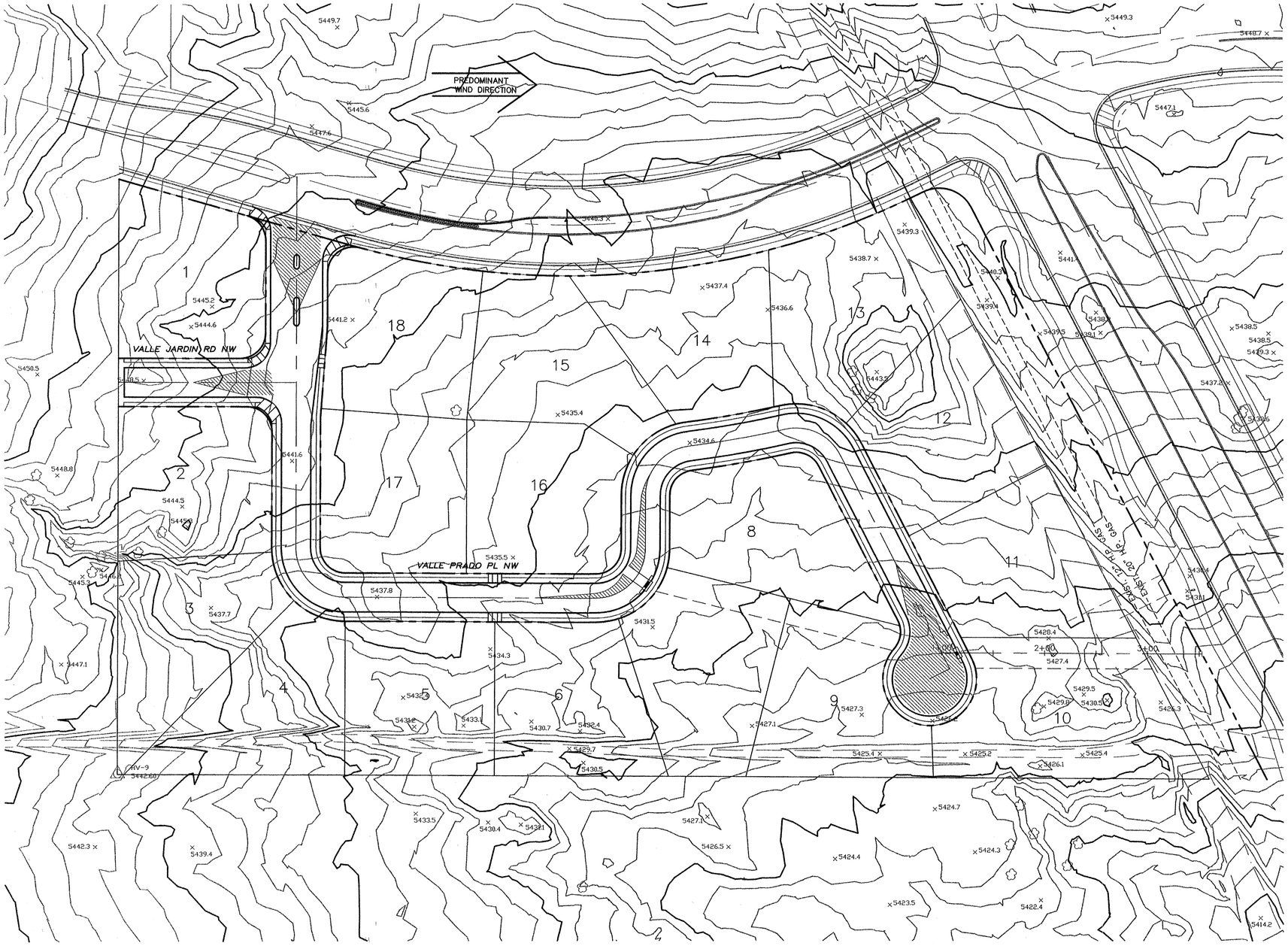
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
EROSION CONTROL PLAN

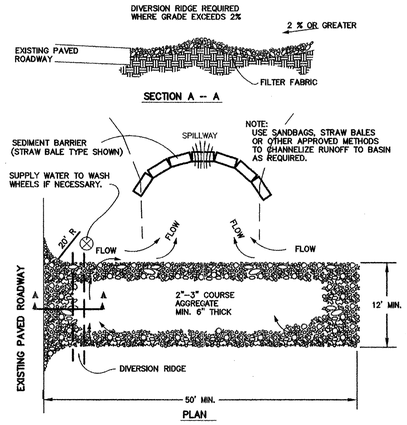
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 730086 | Zone Map No. C-9-Z | Sheet 3 Of 16

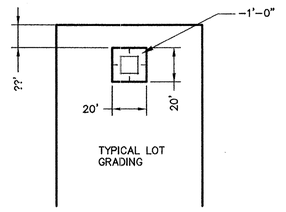
T:\Projects\X5218072\M\sheets\03-ERCTL.dwg 3/2/2006 11:24:06 AM MST



NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



STABILIZED CONSTRUCTION ENTRANCE
NTS



FRONT YARD SEDIMENT CATCHMENT
NTS

LEGEND

- EXTENT OF LAND DISTURBANCE
- PERIMETER WALL
- SILT FENCE
- STRAW BALES
- DOWNHILL RUNOFF DIRECTION
- FRONT YARD SEDIMENT CONTROL DEPRESSION

NOTES

1. TOTAL AREA OF SOIL DISTURBING ACTIVITIES: 19.2 ACRES

N

50 25 0 50 100
SCALE 1" = 50' FEET

AS-BUILT INFORMATION
CONTRACTOR — DATE
WORK PERFORMED BY — DATE
INSPECTOR'S FIELD MARKINGS BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 357,543.73 Y= 1,527,976.48
Ground-to-Grid Factor = 0.99966354
$\Delta\alpha$ = -00°16'30"
SLD 1929 Elevation = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
MIGUEL A. N. VALDEZ
NEW MEXICO
10881
REGISTERED PROFESSIONAL ENGINEER
LICENSED

REMARKS
REVISIONS
NO. | BY | DATE

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY — DATE NOV 2005
DRAWN BY — DATE NOV 2005
CHECKED BY — SJS — DATE NOV 2005

WILSON & COMPANY
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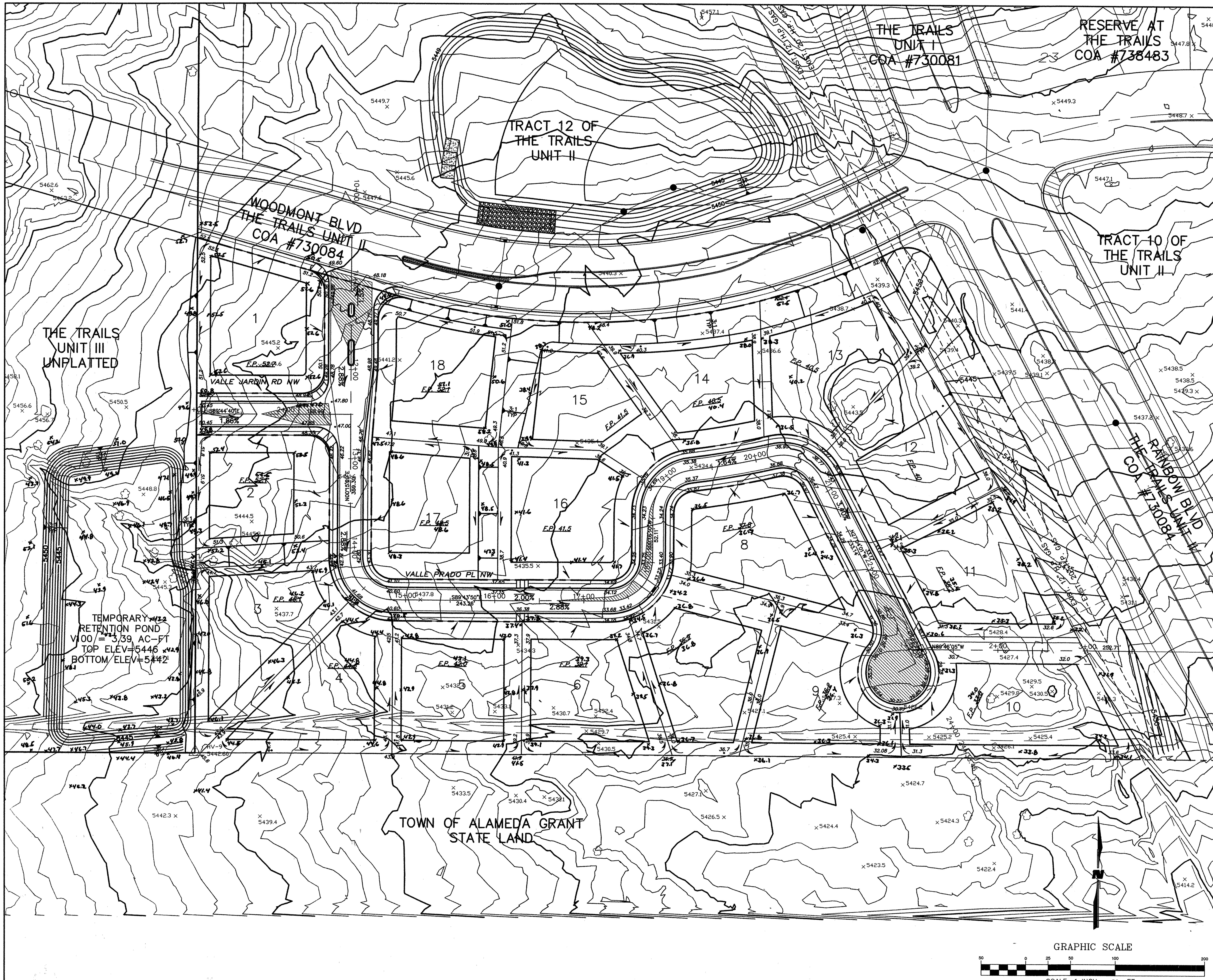
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
EROSION CONTROL PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 730086 | Zone Map No. C-9-Z | Sheet 4 Of 16

T:\Projects\X521807Z\W\sheets\04-ERCTL.dwg 3/2/2006 8:37:50 AM MST



LEGEND

- RETAINING WALL
- HIGH POINT
- DIRECTION OF FLOW
- ℄ LINE ELEVATION (XX.XX)
- BASIN BOUNDARY
- TYPE DOUBLE C INLET
- RETAINING WALL POINT (X–X)
- MH TO BE BUILT WITH COA # 730084
- SD TO BE BUILT WITH COA # 730084
- PROPOSED SD MANHOLE
- PROPOSED SD PIPE

AS-BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	

BENCH MARKS

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Δα = -00°16'30"
SLD 1929 Elevation = 5429.35

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

ANGELA N. VALDEZ, NEW MEXICO, 15814, LICENSED PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	REMARKS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	DMD	DATE NOV 2005
DRAWN BY	DMD	DATE NOV 2005
CHECKED BY	SJS	DATE NOV 2005

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II

GRADING & DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
InFormation Only			

Last Design Update

City Project No.	Zone Map No.	Sheet	Of
730086	C-9-Z	5	16

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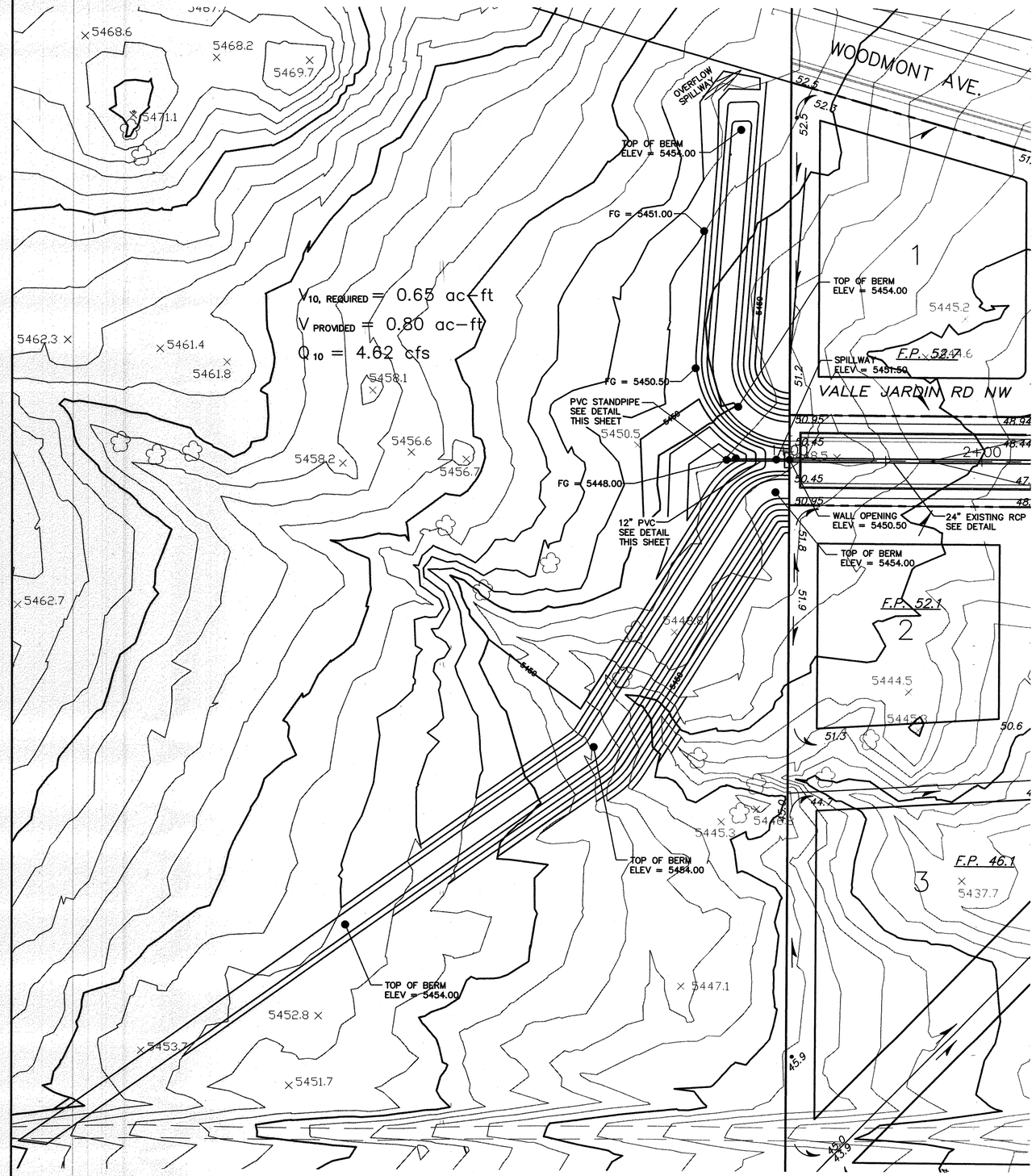
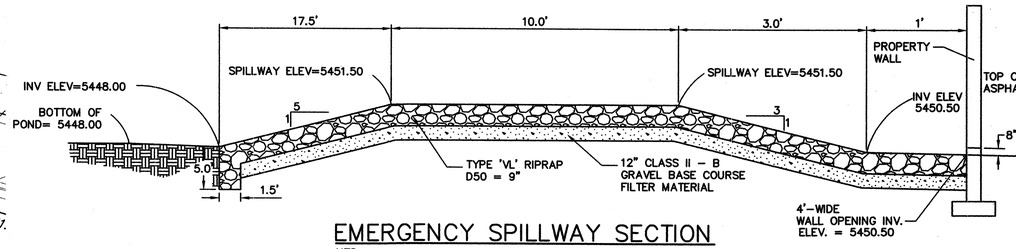
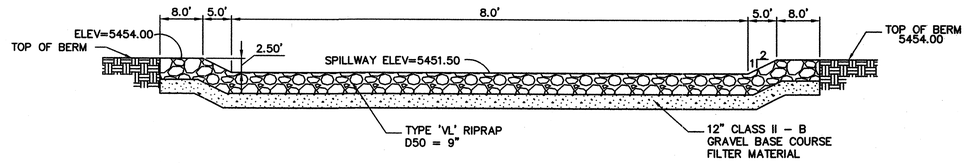
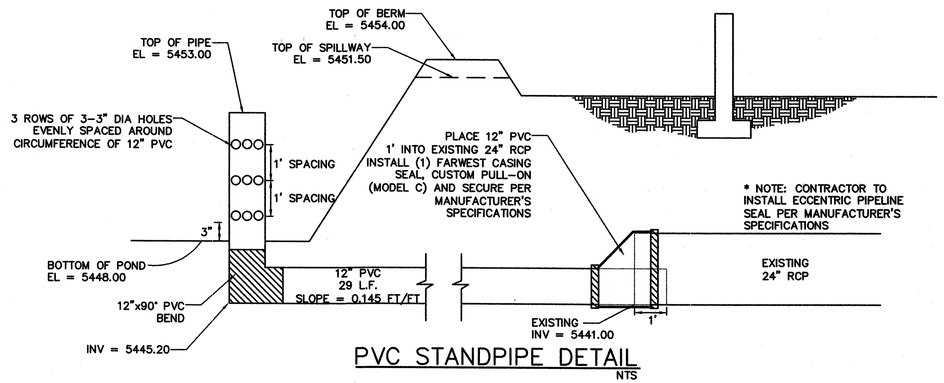




EMERGENCY SPILLWAY SECTION
NTS



EMERGENCY SPILLWAY SECTION
NTS

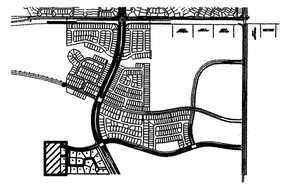


PVC STANDPIPE DETAIL
NTS

LEGEND

- RETAINING WALL
- HIGH POINT
- DIRECTION OF FLOW
- XX.XX — ℄ LINE ELEVATION
- BASIN BOUNDARY
- TYPE DOUBLE C INLET
- (X-X) — RETAINING WALL POINT
- MH TO BE BUILT WITH COA # 730084
- SD TO BE BUILT WITH COA # 730084
- PROPOSED SD MANHOLE
- PROPOSED SD PIPE

INDEX MAP



N

GRAPHIC SCALE

30 0 15 30 60 120

SCALE: 1 INCH = 30 FT.

AS-BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
AS-BUILTS MARKED BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
MICRO NO.

BENCH MARKS

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Geographic Position (NAD 1927)
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$\Delta\alpha$ = -00°16'30"
SLD 1929 Elevation = 5429.35

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY; ENGINEERS & ARCHITECTS	
		DESIGNED BY DMD	DATE NOV 2005
		DRAWN BY DMD	DATE NOV 2005
		CHECKED BY SJS	DATE NOV 2005

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
GRADING & DRAINAGE OFFSIDE POND

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 730086 | Zone Map No. C-9-Z | Sheet 5A Of 16

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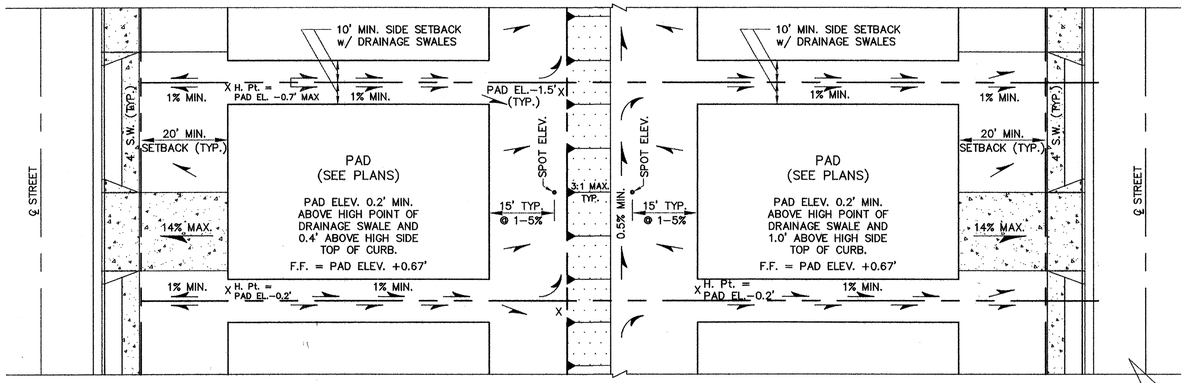
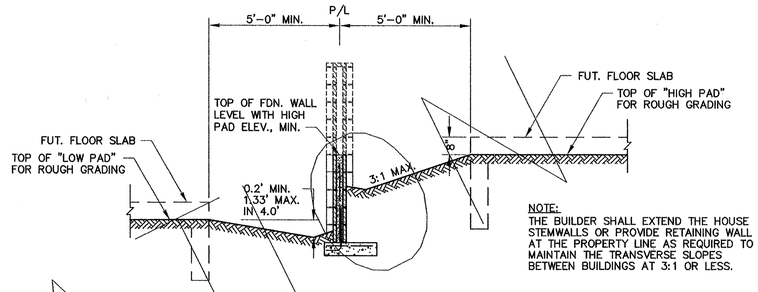
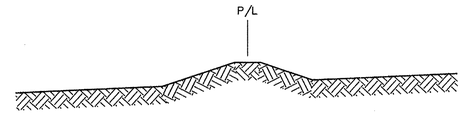
SCANNED BY PLANNING



TYPICAL LOT GRADING
NTS



TYPICAL DETAIL @ SIDEYARD DRAINAGE SWALES
3/8" = 1'-0"

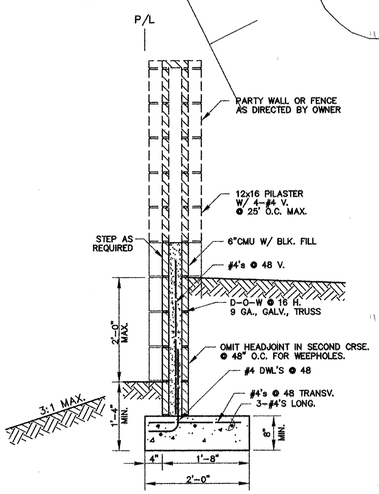


TYPICAL GRADING DETAIL
@ PROPERTY LINES IN FRONT SETBACK
NO SCALE

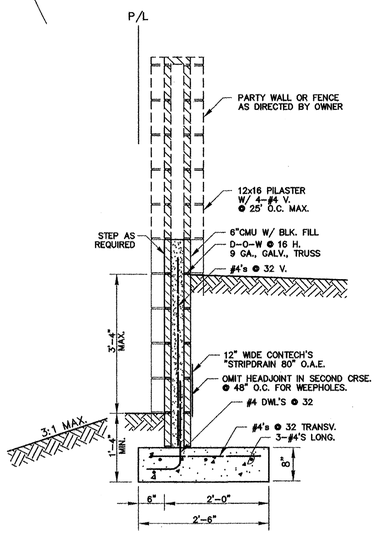
PRELIMINARY NOT FOR CONSTRUCTION

FOR REVIEW ONLY

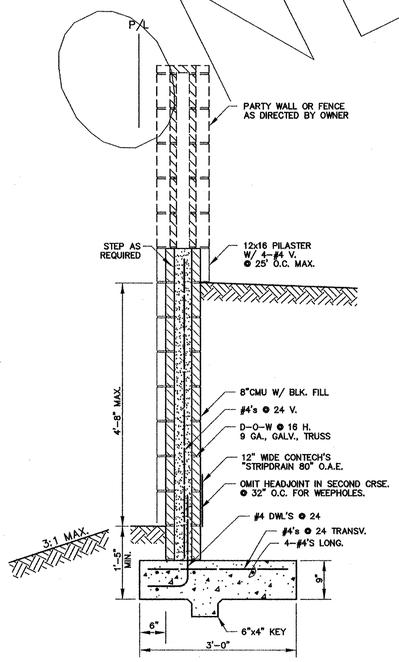
CALIFORNIA



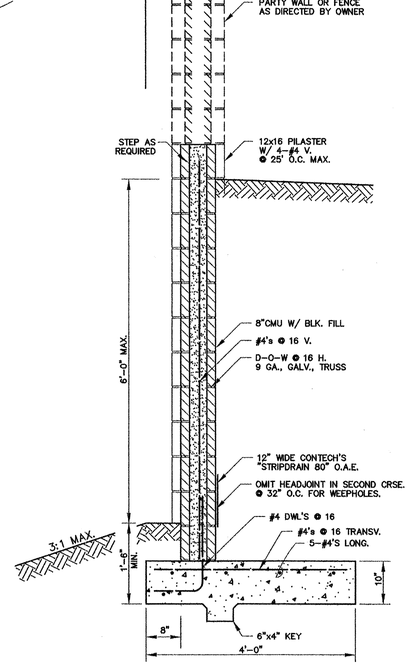
RETAINING WALL – TYPE A
3/4" = 1'-0"



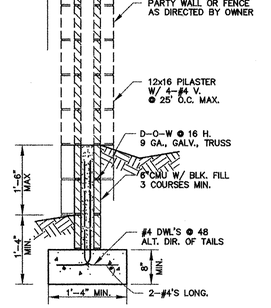
RETAINING WALL – TYPE B
3/4" = 1'-0"



RETAINING WALL – TYPE C
3/4" = 1'-0"



RETAINING WALL – TYPE D
3/4" = 1'-0"



FENCE FOUNDATION WALL
(ELEV. DIFF. ≤ 1.5 FT.)
3/4" = 1'-0"

AS-BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
FINAL AS-BUILTS ACCEPTANCE BY	DATE
AS-BUILT VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

BENCH MARKS	
ACS BRASS TABLET STAMPED "2-B10 1980"	
Geographic Position (NAD 1927)	
N.M. State Plane Coordinates (Central Zone)	
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Ground-to-Grid Factor = 0.99966354	
$\Delta\alpha$ = -00°16'30"	
SLD 1929 Elevation = 5429.35	

MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

MIGUEL ANGEL VALDEZ MARTINEZ — NEW MEXICO — 15814 — REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY	DATE NOV 2005
		DRAWN BY	DATE NOV 2005
		CHECKED BY	SJS DATE NOV 2005

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(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
TYPICAL LOT GRADING
GRADING/ RETAINING WALL DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
730086	C-9-Z	6	16

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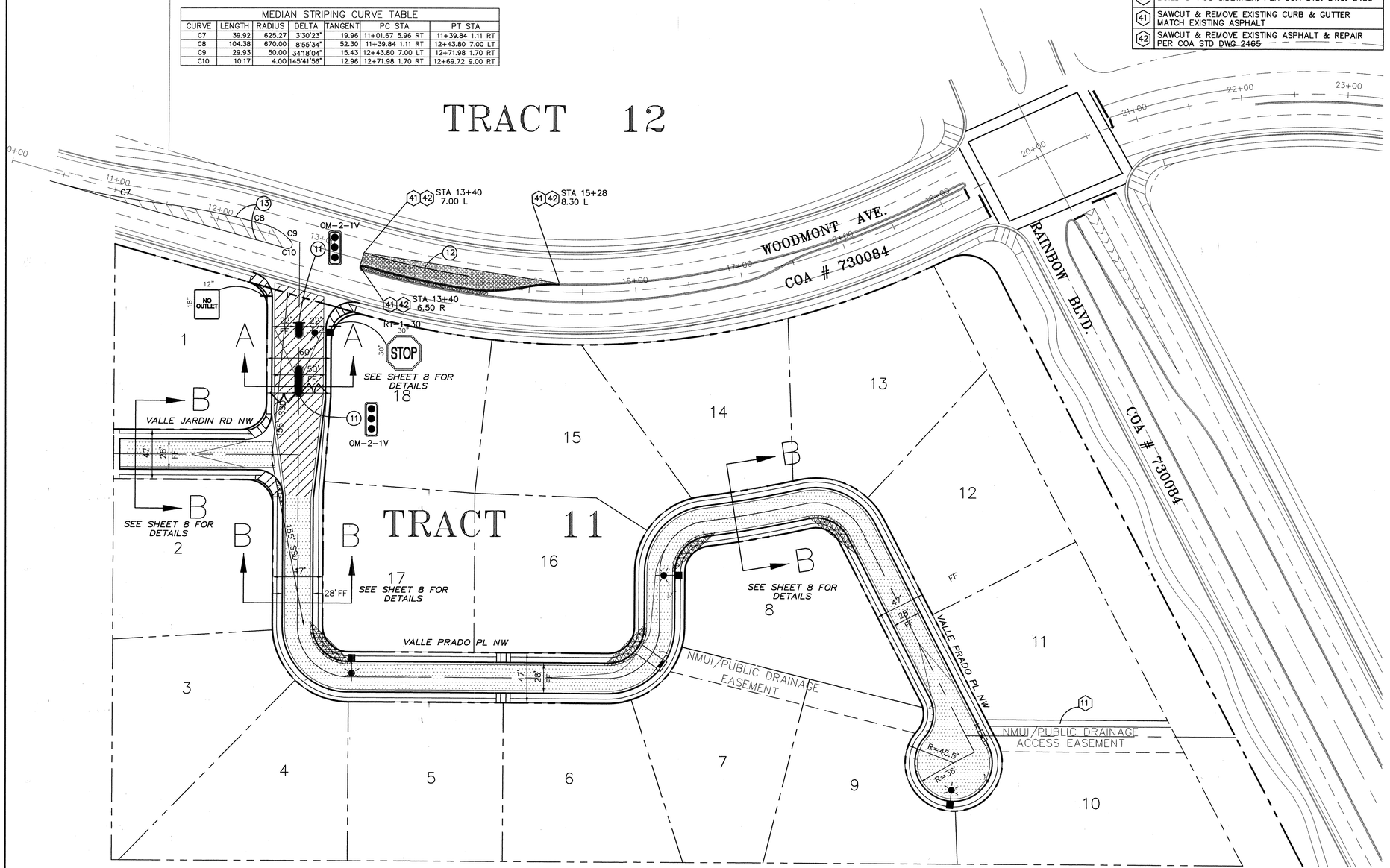
MEDIAN STRIPING CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	PC STA	PT STA
C7	39.92	625.27	3°30'23"	19.96	11+01.67 5.96 RT	11+39.84 1.11 RT
C8	104.38	670.00	8°55'34"	52.30	11+39.84 1.11 RT	12+43.80 7.00 LT
C9	29.93	50.00	34°18'04"	15.43	12+43.80 7.00 LT	12+71.98 1.70 RT
C10	10.17	4.00	145°41'56"	12.96	12+71.98 1.70 RT	12+69.72 9.00 RT



SIGNING AND STRIPING NOTES

I.D.#	DESCRIPTION
11	OBJECT MARKER AND MEDIAN NOSE PAINTED SOLID YELLOW
12	4" SOLID WHITE
13	4" SOLID YELLOW

PAVING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
11	BUILD 6' PCC SIDEWALK, PER COA STD. DWG. 2430
41	SAWCUT & REMOVE EXISTING CURB & GUTTER MATCH EXISTING ASPHALT
42	SAWCUT & REMOVE EXISTING ASPHALT & REPAIR PER COA STD DWG 2465

LEGEND

	NEW	EXISTING
RIGHT-OF-WAY LINE		
PAVEMENT EDGE		
WATERLINE	W	W
SANITARY SEWER LINE	SAS	SAS
STORMDRAIN LINE	SD	SD
WATER VALVE		
REDUCER		
FIRE HYDRANT		
1" SINGLE WATER SERVICE, U.N.O.		
1" DOUBLE WATER SERVICE, U.N.O.		
SAS MANHOLE		
STORM DRAIN MANHOLE		
SANITARY SEWER SERVICE		S
CURB & GUTTER		
STREET LIGHT		
STOP SIGN	SS	
INLET		S
WHEELCHAIR RAMP		

PROPOSED 4" ASPHALT PAVING PER SHEET 8 TYPICAL SECTIONS

PROPOSED 3" ASPHALT PAVING PER SHEET 8 TYPICAL SECTIONS

CLEAR SIGHT TRIANGLE

LIMITS OF REMOVAL AND REPLACEMENT OF EXISTING ASPHALT, C&G AND SIDEWALK PVMNT PER COA STD DWG 2465 (COLLECTOR)

STREET LIGHTING NOTES:

1. THIS DRAWING SHOWS THE DESIRED STREET LIGHT LAYOUT ONLY. DESIGN OF THE ELECTRICAL WIRING AND APPURTENANCES REQUIRED TO COMPLETE THE SYSTEM WILL BE PROVIDED BY OTHERS.
2. STREET LIGHTS IN THE INTERIOR OF THE SUBDIVISION SHALL BE 100W HPS LIGHTS WITH 25' MOUNTING HEIGHT.
3. STREET LIGHTING TO BE COORDINATED WITH TONY LOYD.

GENERAL NOTES

1. THERE IS A 5 FT TRANSITION FROM ROLLED CURB TO STD CURB ON EITHER SIDE OF THE INLET.
2. THE DEVELOPER SHALL BE RESPONSIBEL FOR THE INSTALLATION AND MAINTAINCE OF STREET NAME SIGNS, STOP SIGNS AND PAVEMENT MARKINGS (STRIPING).

N

50 25 0 50 100
SCALE FEET

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY:
INSPECTOR'S ACCEPTANCE BY:
AS-BUILT VERIFICATION BY:
DRAWING CHANGES BY:
MICRO-FILM INFORMATION
RECORDED BY
NO. DATE

BENCH MARKS
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Ground-to-Grid Factor = 0.99966354
ΔC = -00°16'30"
SLD 1929 Elevation = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
ANGEL N. VALDEZ
NEW MEXICO
10784
REGISTERED PROFESSIONAL ENGINEER
LICENSED

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY DATE NOV 2005
DRAWN BY DATE NOV 2005
CHECKED BY S.J.S DATE NOV 2005

WILSON &COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
COMPOSITE PAVING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
730086	C-9-Z	7	16

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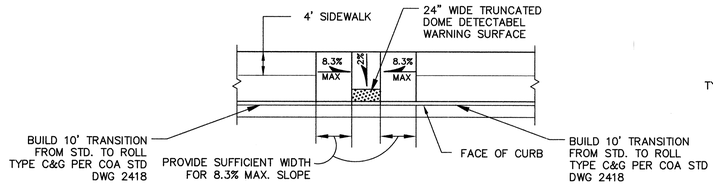
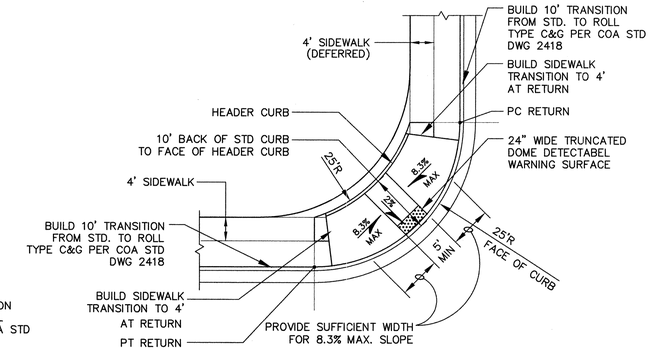
SCANNED BY PLANNING



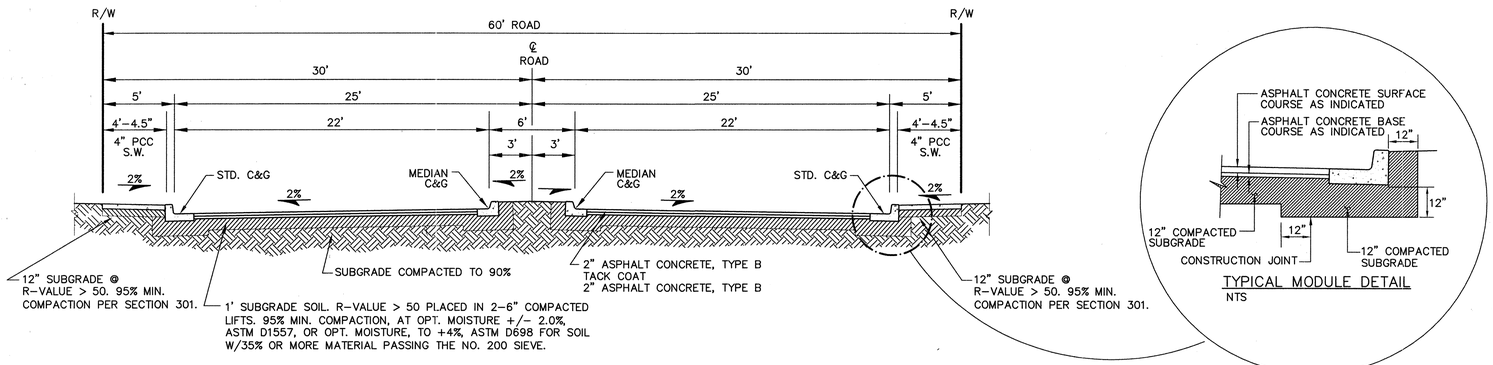
TYPICAL HANDICAP RAMP DETAIL

NTS USE STD COA DWG 2441



TYPICAL HANDICAP RAMP DETAIL

NTS USE STD COA DWG 2441

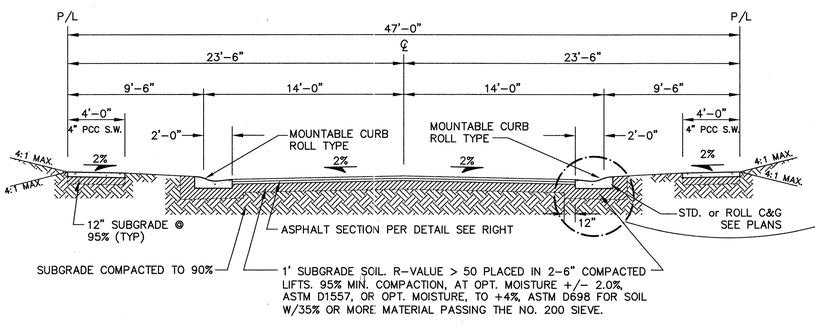


TYPICAL SECTION A-A RESIDENTIAL STREET ENTRANCE

(PER COA STD. DWG. No. 2405A, RESIDENTIAL PAVING SECTION) 1" = 5'-0"

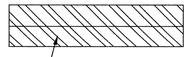
TYPICAL MODULE DETAIL

NTS



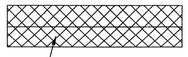
TYPICAL SECTION B-B RESIDENTIAL STREET

(PER COA STD. DWG. No. 2405A, RESIDENTIAL PAVING SECTION) 1" = 5'-0"



3" RESIDENTIAL PAVEMENT SECTION

VALLE JARDIN RD NW – ENTIRE ROAD
VALLE PRADO PL NW STA 12+89 TO 23+51.32



4" RESIDENTIAL PAVEMENT SECTION

VALLE PRADO PL NW – STA 10+95.55 TO STA 12+89

NOTES:

1. USE ROLL-TYPE CURB: GUTTER WHERE INDICATED ON PLANS. PROVIDE 10' TRANSITION SECTIONS BETWEEN DIFFERENT CURB TYPES PER STD. DWG 2418
2. PAVING TO BE CONSTRUCTED AS DETAILED PER COA STD DWG. 2405A, EXCEPT PAVING SECTIONS SHALL CONSIST OF COMPONENTS AS SHOWN.
3. IN THE EVENT SOILS EXHIBITING AN R-VALUE LESS THAN 50 ARE ENCOUNTERED AT SUBGRADE DEPTH, THESE SOILS SHOULD BE REMOVED TO A DEPTH OF TWENTY FOUR INCHES AND BE REPLACED WITH SOIL WITH A MINIMUM R-VALUE OF 50. IF "SUGAR SAND" IS ENCOUNTERED IT SHOULD BE REMOVED AND REPLACED AS SPECIFIED IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE
INSPECTOR'S ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
CHANGES CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 357,543.73 Y= 1,527,976.48
Ground-to-Grid Factor = 0.99966354
Δα = -00°16'30"
SLD 1929 Elevation = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NIGEL N. VALDEZ 13814 LICENSED 4/12/06

REVISIONS
NO. DATE REMARKS BY
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY DATE NOV 2005
DRAWN BY DATE NOV 2005
CHECKED BY DATE NOV 2005 SJS

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
TYPICAL PAVING SECTIONS & PAVING DETAILS

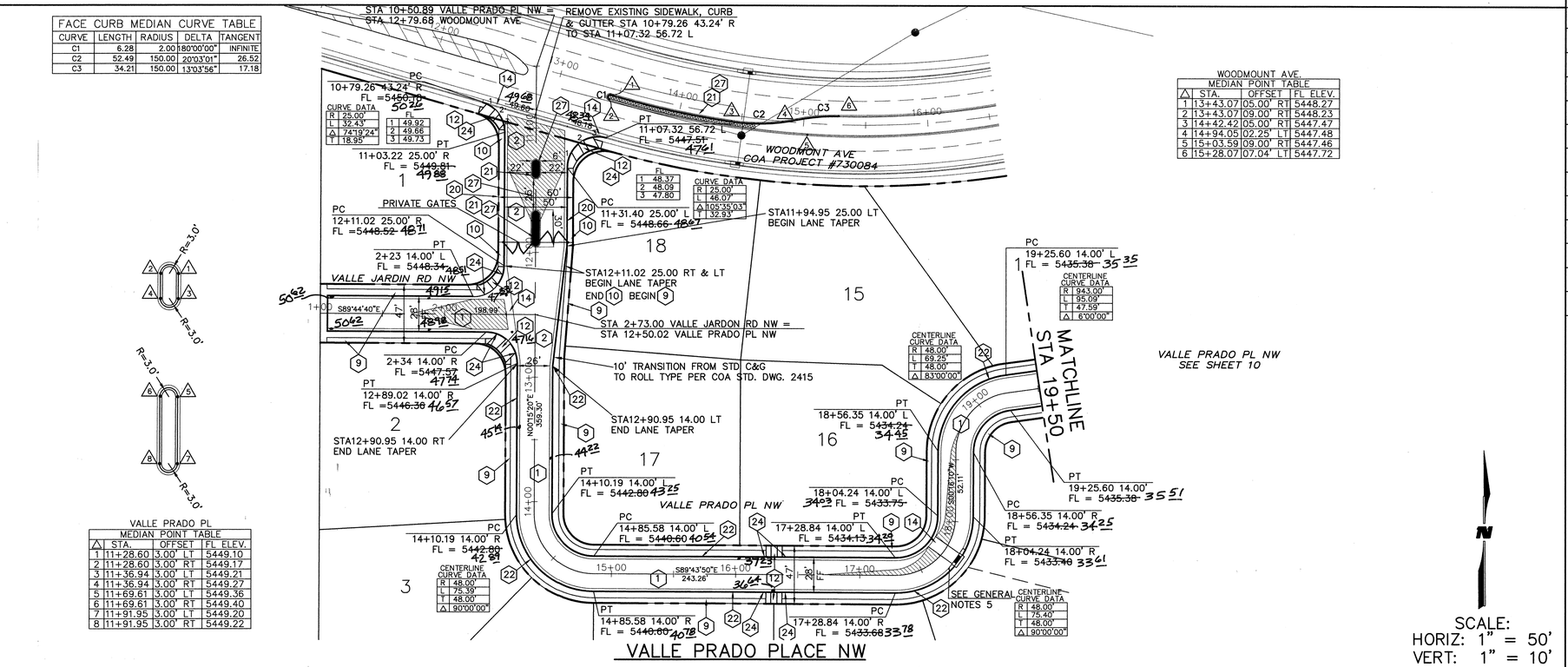
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
730086	C-9-Z	8	16

T:\Projects\X5218072\M\sheets\08-TYPICAL-SECTIONS.dwg 3/2/2006 10:49:29 AM MST

SCANNED BY PLANNING

FACE CURB MEDIAN CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	6.28	2.00	180°00'00"	INFINITE
C2	52.49	150.00	20°03'01"	26.52
C3	34.21	150.00	13°03'56"	17.18



WOODMOUNT AVE. MEDIAN POINT TABLE			
△	STA.	OFFSET	FL ELEV.
1	13+43.07	05.00' RT	5448.27
2	13+43.07	09.00' RT	5448.23
3	14+42.40	05.00' RT	5447.47
4	14+94.05	02.25' LT	5447.48
5	15+03.59	09.00' RT	5447.46
6	15+28.07	07.04' LT	5447.72

VALLE PRADO PL MEDIAN POINT TABLE			
△	STA.	OFFSET	FL ELEV.
1	11+28.60	3.00' LT	5449.10
2	11+28.60	3.00' RT	5449.17
3	11+36.94	3.00' LT	5449.21
4	11+36.94	3.00' RT	5449.27
5	11+69.61	3.00' LT	5449.36
6	11+69.61	3.00' RT	5449.40
7	11+91.95	3.00' LT	5449.20
8	11+91.95	3.00' RT	5449.22

PAVING CONSTRUCTION NOTES

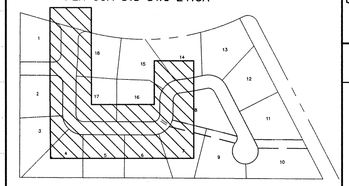
I.D.#	DESCRIPTION
1	BUILD ASPHALT PAVING, PER TYPICAL SECTION (SEE SHEET 8) SECTION B–B
2	BUILD ASPHALT PAVING, PER TYPICAL SECTION (SEE SHEET 8) SECTION A–A
9	BUILD 4' PCC SIDEWALK, PER COA STD. DWG. 2430 (DEFERRED)
10	BUILD 4' PCC SIDEWALK, PER COA STD. DWG. 2430
11	BUILD 6' PCC SIDEWALK, PER COA STD. DWG. 2430
12	BUILD PCC WHEELCHAIR RAMP, PER COA STD. DWG. 2441 (SEE SHEET 8)
14	BUILD PCC 10' VALLEY GUTTER, PER COA STD. DWG. 2420, FLOW LINE 5' O.C.
20	BUILD PCC STD. CURB AND GUTTER, PER COA STD. DWG. 2415
21	BUILD PCC MEDIAN CURB AND GUTTER, PER COA DETAIL 2415B
22	BUILD PCC ROLL–TYPE C&G, PER COA STD. DWG. 2415A
24	BUILD 10' TRANSITION FROM STD. TO ROLL–TYPE C&G PER COA STD DWG 2418
27	BUILD TEXTURED CONCRETE MEDIAN PAVEMENT, PER COA STD. DWG. 2408 & 2501

LEGEND

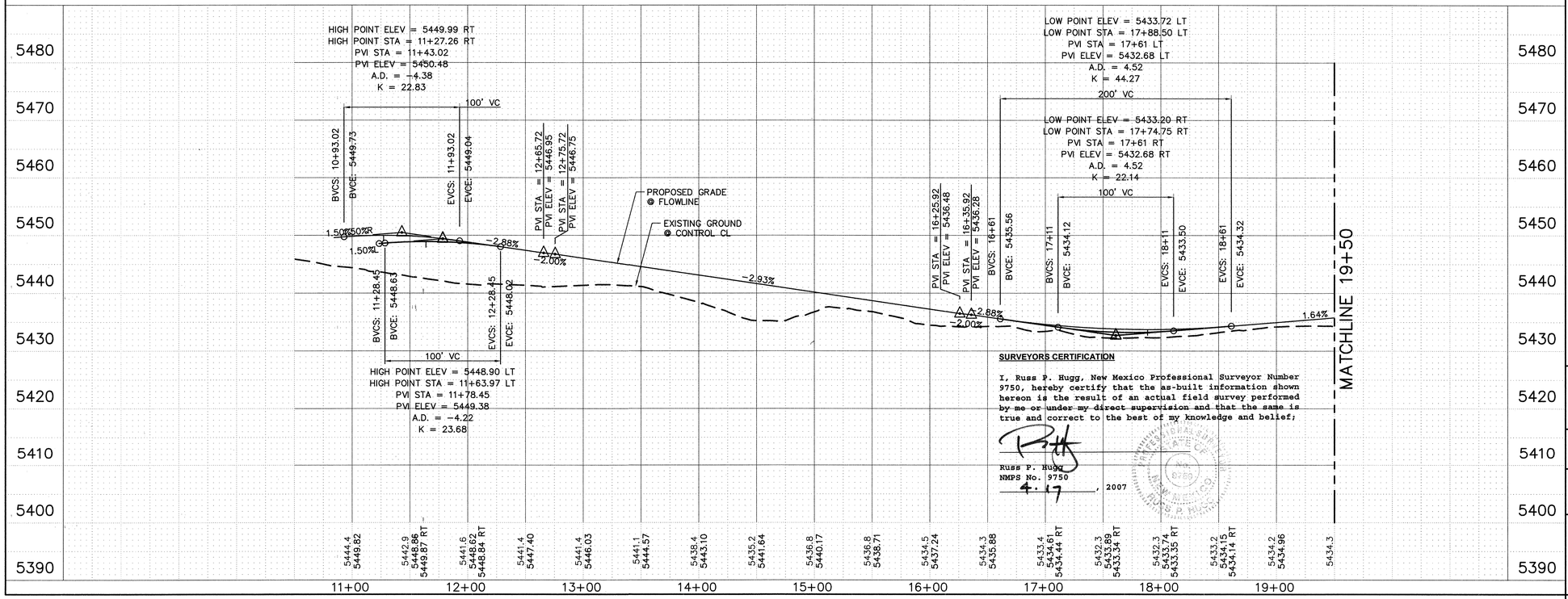
- TC — TOP OF STANDARD TYPE CURB
- FL — FLOW LINE
- TRC — TOP OF ROLL TYPE CURB
- 39.85* — TOP OF ROLL TYPE CURB ELEVATION AT WHEEL CHAIR RAMP TRANSITION.
- 39.85 — FLOWLINE ELEVATION AT INTERSECTION OF PROJECTED FACE OF CURB.
- MATCHLINE OF NEW TO EXISTING ASPHALT PAVEMENT.
- TRANSITION CROWN PER COA STD DWG 2401

GENERAL NOTES

1. ALL CURB RETURNS HAVE 25' RADIUS AT THEORETICAL FACE OF CURB (FLOWLINE) PER COA STD DWG 2415A, UNLESS OTHERWISE INDICATED
2. ALL STATIONS AND OFFSETS ARE TO THEORETICAL FACE OF CURB (FLOWLINE) PER COA STD DWG 2415A, UNLESS OTHERWISE INDICATED
3. ALL CURB LAYOUT DATA IS AT THEORETICAL FACE OF CURB (FLOWLINE) PER COA STD DWG 2415A, UNLESS OTHERWISE INDICATED. CURB LAYOUT THAT IS A DIRECT OFFSET OF PLATTED BASELINE IS NOT SHOWN
4. ADJUST ALL MANHOLE RIMS AND VALVE COVERS PER COA STD. DWG. 2460
5. THERE IS A 5 FT TRANSITION FROM ROLLED CURB TO STD CURB ON EITHER SIDE OF THE INLET.
6. DEPRESS CURB AT VALLEY GUTTER PER COA STD DWG 2415A



INDEX MAP



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief;

Russ P. Hugg
NMPS No. 9750
4-17, 2007

AS–BUILT INFORMATION
CONTRACTOR Sills — DATE 02/07
WORK STAKED BY: SURVTEK — DATE 4/07
ACCEPTANCE BY: SURVTEK — DATE 4/07
FIELD VERIFICATION BY: SURVTEK — DATE 4/07
DRAWINGS CORRECTED BY: SURVTEK — DATE 4/07
MICRO–FILM INFORMATION — DATE
RECORDED BY
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2–B10 1980"
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ΔX = –00°16'30"
SLD 1929 Elevation = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
NEW MEXICO — RUSS P. HUGG — 9750 — REGISTERED PROFESSIONAL ENGINEER

REMARKS / REVISIONS | BY | DATE
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY DEC DATE FEB 2006
DRAWN BY DEC DATE FEB 2006
CHECKED BY SJS DATE FEB 2006

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898–8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
VALLE PRADO PL NW PAVING PLAN & PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
730086	C–9–Z	9	16

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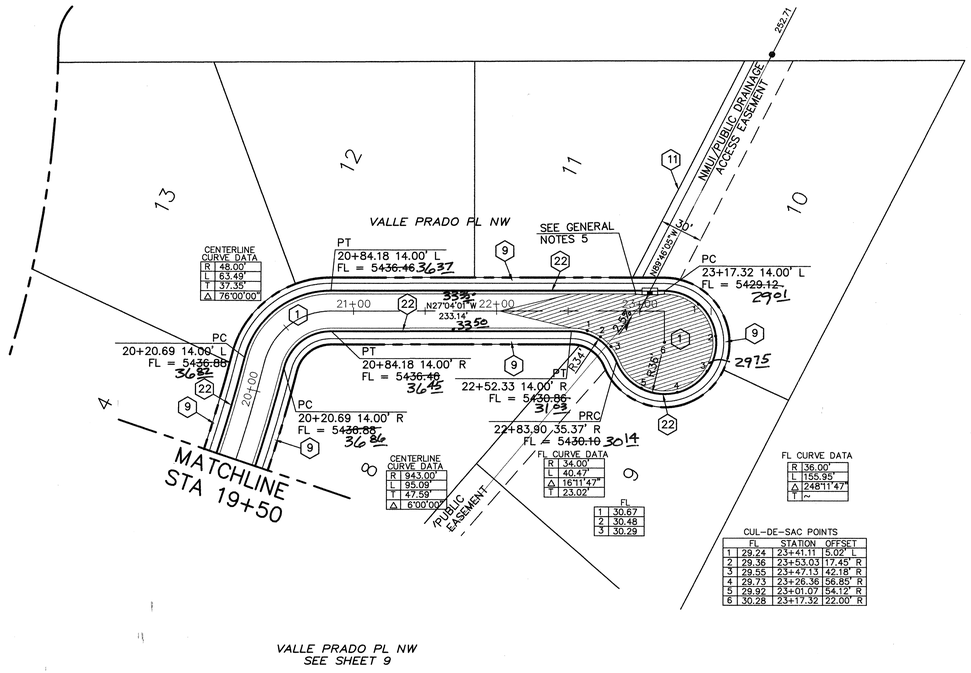
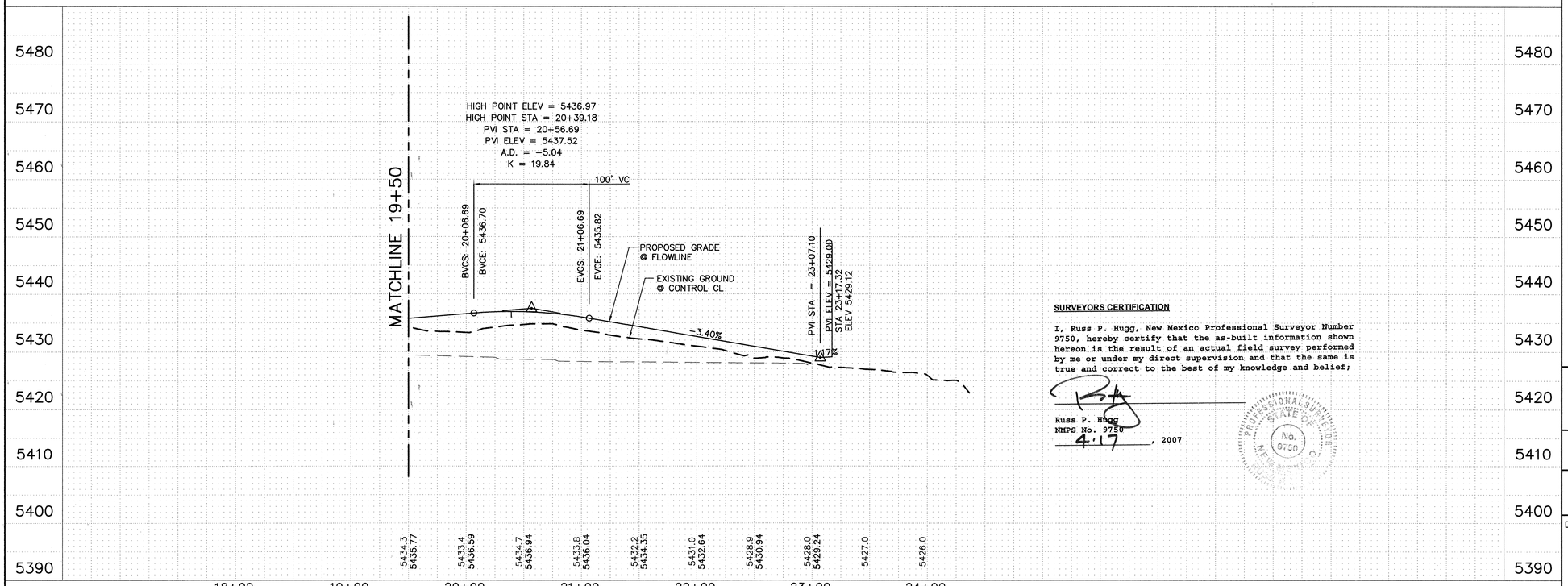


VALLE PRADO PLACE NW

SCALE:
HORIZ: 1" = 50'
VERT: 1" = 10'



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Russ P. Hugg
NMPS No. 9750
4-17, 2007

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750

PAVING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
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LEGEND

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GENERAL NOTES

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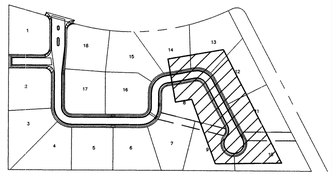

INDEX MAP

ENGINEER'S SEAL
MIGUEL A. N. VALDEZ NEW MEXICO 15814 REGISTERED PROFESSIONAL ENGINEER

AS-BUILT INFORMATION

CONTRACTOR STAMED BY Surv Tek DATE 2/07
INSPECTOR'S NOTATIONS BY SAC DATE 4/07
FIELD VERIFICATION BY Surv Tek DATE 4/07
DRAWING CORRECTED BY Surv Tek DATE 4/07
MICRO-FILM INFORMATION
RECORDED BY DATE
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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY DEC DATE FEB 2006
DRAWN BY DEC DATE FEB 2006
CHECKED BY SJS DATE FEB 2006

WILSON &COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

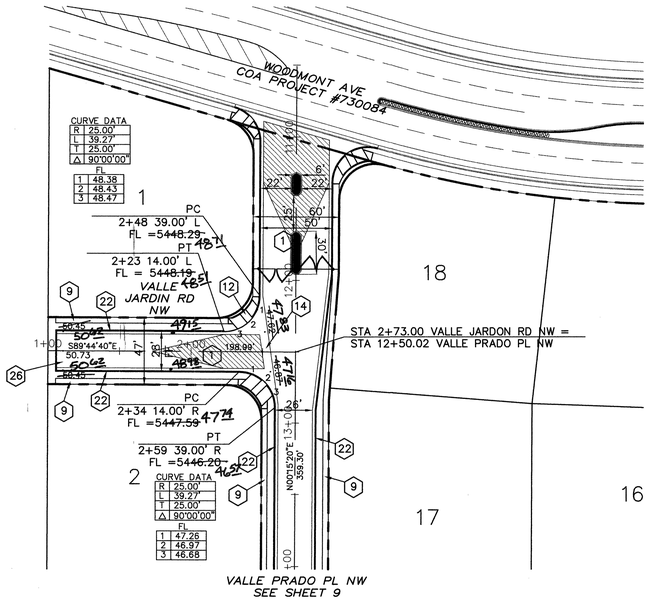
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
VALLE PRADO PL NW PAVING PLAN & PROFILE

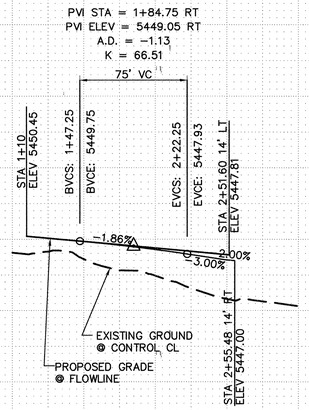
Design Review Committee: APPROVED DESIGN REVIEW COMMITTEE
City Engineer Approval: DATE CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. 730086
Zone Map No. C-9-Z
Sheet 10 Of 16

SCANNED BY
PLANNING



VALLE JARDIN ROAD NW



SCALE:
HORIZ: 1" = 50'
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SURVEYORS CERTIFICATION

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Russ P. Hugg
NMPS No. 9750
4-17, 2007

PROFESSIONAL SURVEYOR · STATE OF NEW MEXICO · No. 9750 · RUSS P. HUGG

PAVING CONSTRUCTION NOTES

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9	BUILD 4' PCC SIDEWALK, PER COA STD. DWG. 2430 (DEFERRED)
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LEGEND

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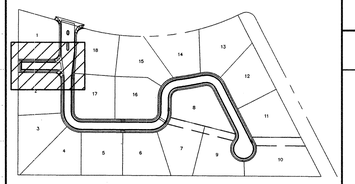

INDEX MAP

AS-BUILT INFORMATION
CONTRACTOR SALS DATE 3/6/07
SURVEY INFORMATION STAKED BY Surv Tek DATE 4/07
INSPECTOR'S ACCEPTANCE Sac
FIELD LOCATION BY Surv Tek DATE 4/17
DRAWING BY Surv Tek DATE 4/17
CORRECTED BY MICRO-FILM INFORMATION DATE
RECORDED BY
M.S.

BENCH MARKS
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Geographic Position (NAD 1927)
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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEW MEXICO · REGISTERED PROFESSIONAL ENGINEER · LICENSED · 9750 · 4/21/07

NO.	REMARKS / REVISIONS	BY	DATE

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY DEC DATE FEB 2006
DRAWN BY DEC DATE FEB 2006
CHECKED BY S/S DATE FEB 2006

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

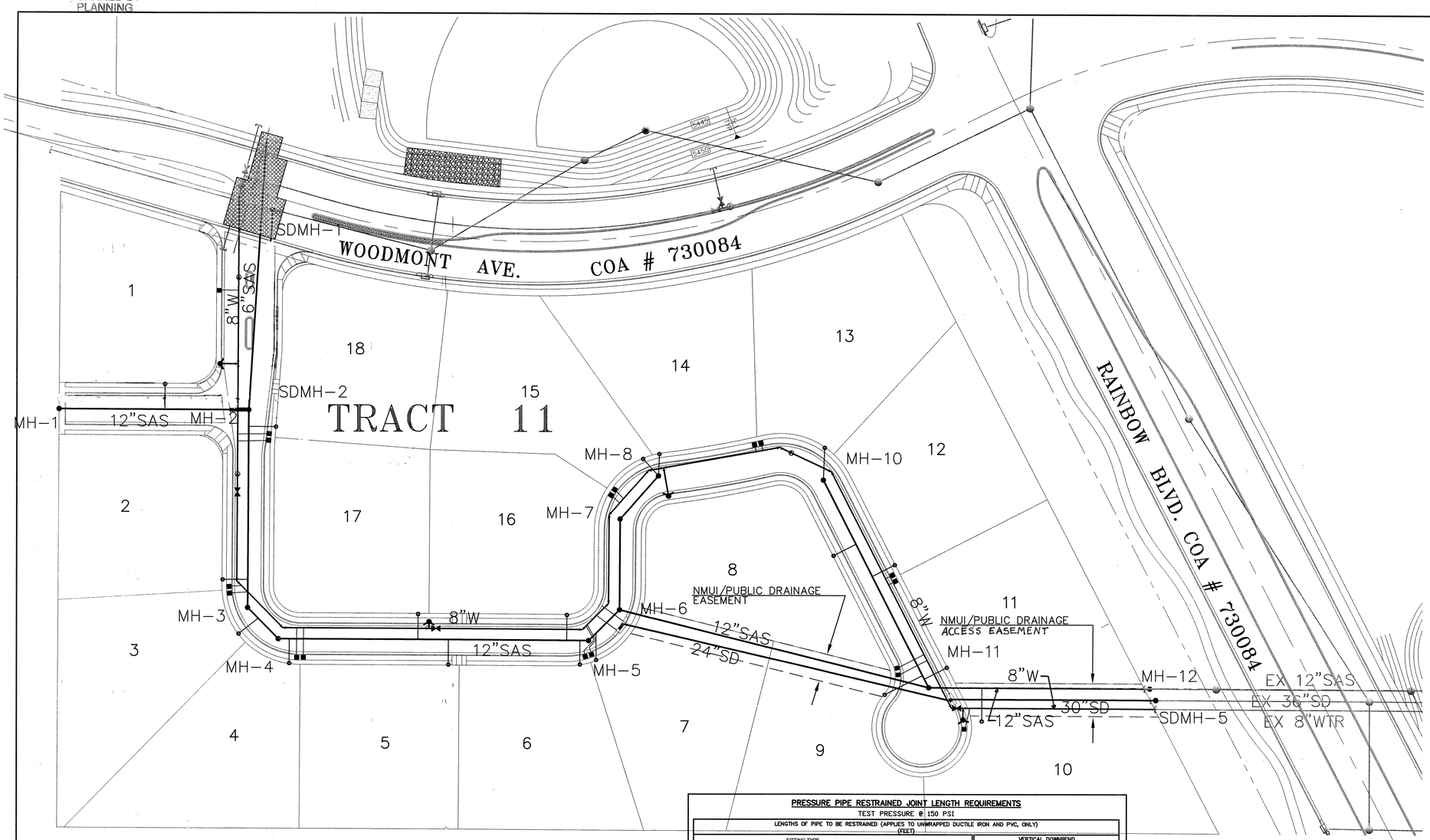
VALLE VISTA AT THE TRAILS UNIT II
VALLE JARDIN RD NW PAVING PLAN & PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
730086	C-9-Z	11	16

T:\Projects\X5218072\M\sheets\11-PAV.dwg 3/2/2006 9:55:50 AM MST

SCANNED BY PLANNING



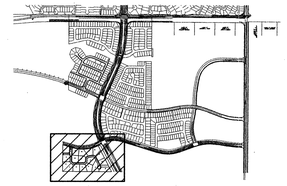
LEGEND

	NEW	EXISTING
RIGHT-OF-WAY LINE		
PAVEMENT EDGE		
WATERLINE	W	W
SANITARY SEWER LINE	SAS	SAS
STORMDRAIN LINE	SD	SD
WATER VALVE		
REDUCER		
FIRE HYDRANT		
1" SINGLE WATER SERVICE, U.N.O.		
1" DOUBLE WATER SERVICE, U.N.O.		
SAS MANHOLE		
STORM DRAIN MANHOLE		
SANITARY SEWER SERVICE	S	S

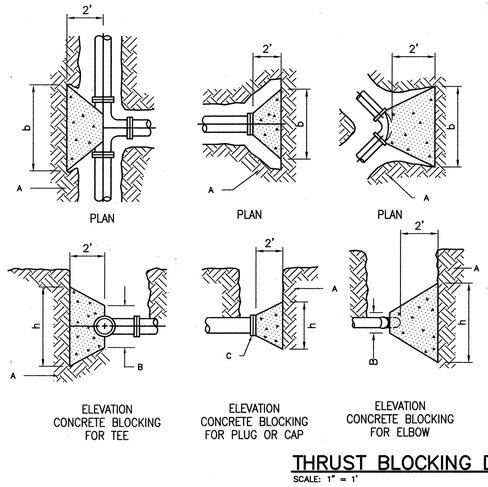
LIMITS OF REMOVAL AND REPLACEMENT OF EXISTING ASPHALT, C&G AND SIDEWALK PVMNT PER COA STD DWG 2465 (COLLECTOR)

N

50 25 0 50 100
SCALE FEET



INDEX MAP



THRUST BLOCKING DETAIL

SCALE: 1" = 1'

GENERAL NOTES:

1. THE ENGINEER SHALL PROVIDE DESIGN FOR ALL JOINTS GREATER THAN 14".

PIPE SIZE	ELBOW ANGLE	ELBOW (b) DIM.	ELBOW (h) DIM.	TEE OR PLUG (b) DIM.	TEE OR PLUG (h) DIM.
4"				2'	1'
4"	90° 45°	2'	2'		
4"	22 1/2° 11 1/4°	2'	2'		
6"				2'	2'
6"	90° 45°	2'	2'		
6"	22 1/2° 11 1/4°	2'	2'		
8"				3'	3'
8"	90°	3'	3'		
8"	45°	2'	2'		
8"	22 1/2° 11 1/4°	2'	2'		
10"				3'	3'
10"	90°	3'- 6"	3'- 6"		
10"	45°	3'	3'		
10"	22 1/2° 11 1/4°	2'	2'		
12"				3'- 6"	3'- 6"
12"	90°	4"	4"		
12"	45°	3'- 6"	3'- 6"		
12"	22 1/2° 11 1/4°	2'	2'		
14"				4'	4'
14"	90°	5'	5'		
14"	45°	3'- 6"	3'- 6"		
14"	22 1/2° 11 1/4°	3'	3'		

CONSTRUCTION NOTES:

A. UNDISTURBED EARTH.

B. O.D. OF PIPE + 8".

C. O.D. OF CAP OR PLUG, MIN. 12" X 12".

PRESSURE PIPE RESTRAINED JOINT LENGTH REQUIREMENTS

TEST PRESSURE @ 150 PSI

LENGTHS OF PIPE TO BE RESTRAINED (APPLIES TO UNWRAPPED DUCTILE IRON AND PVC, ONLY) (FEET)

PIPE SIZE	FITTING TYPE: 90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND	TEE (3) RESTRAINED LENGTH ALONG BRANCH (LB)	FIRE HYDRANT TEE (4) STD. 6"-INCH BRANCH LINE	DEAD END OR VALVE (5)	VERTICAL DOWNBEND 45° UPPER BEND RESTRAINT	45° LOWER BEND RESTRAINT	22 1/2° UPPER BEND RESTRAINT	22 1/2° LOWER BEND RESTRAINT	11 1/4° UPPER BEND RESTRAINT	11 1/4° LOWER BEND RESTRAINT
4" (1)	18'	7'	4'	2'	1'	NOT APPLICABLE	39'	16'	4'	8'	2'	4'	1'
6" (1)	25'	10'	5'	2'	1'		53'	23'	5'	11'	3'	5'	1'
8" (1)	32'	13'	6'	3'	1'		72'	30'	7'	14'	3'	7'	2'
10" (1)	38'	16'	8'	4'	1'	FOR ALL PIPE MAIN LINE SIZES, ALL FITTINGS AND PIPE JOINTS FROM TEE TO FIRE HYDRANT FLANGE SHALL BE RESTRAINED	86'	36'	8'	17'	4'	8'	2'
12" (1)	45'	19'	9'	4'	3'		102'	42'	10'	20'	5'	10'	2'
14" (2)	39'	16'	8'	4'	13'		89'	37'	10'	18'	5'	9'	2'
16" (2)	44'	18'	9'	4'	23'		101'	42'	11'	20'	5'	10'	3'
18" (2)	49'	20'	10'	5'	33'		112'	46'	12'	22'	6'	11'	3'
20" (2)	53'	22'	11'	5'	43'		123'	51'	13'	24'	6'	12'	3'
24" (2)	62'	26'	12'	6'	62'		144'	60'	16'	29'	8'	14'	4'

(1) ASSUMES MINIMUM DEPTH OF BURY = 3 FT.
(2) ASSUMES MINIMUM DEPTH OF BURY = 4 FT.
(3) ASSUMES MINIMUM FULL PIPE JOINT LENGTH ON EITHER SIDE OF TEE RUN (LR) IS 20 FT. ASSUMES BRANCH AND RUN PIPE DIAMETERS ARE EQUAL.
(4) ASSUMES MINIMUM FULL PIPE JOINT LENGTH ON EITHER SIDE OF TEE RUN (LR) IS 20 FT. ASSUMES TEE RUN PIPE DIAMETER IS EQUAL TO PIPE SIZE AND BRANCH PIPE DIAMETER IS 6 INCHES.
(5) RESTRAINED LENGTH FOR VALVES SHALL BE PROVIDED ON BOTH SIDES OF VALVE.
(6) WHERE POSSIBLE, CONTRACTOR SHALL INSTALL FULL 20-FT JOINT OF PIPE ON EITHER SIDE OF ALL MECHANICAL JOINT VALVES, FITTINGS, AND APPURTENANCES. FOR ALL CIRCUMSTANCES WHERE A 20-FT JOINT CAN BE UTILIZED AND THE CONTRACTOR ELECTS TO USE A SHORTER PIPE JOINT, CONTRACTOR SHALL PROVIDE, AT CONTRACTOR'S SOLE EXPENSE, ALL NECESSARY JOINT RESTRAINTS REQUIRED BY TABLE ABOVE.

THRUST RESTRAINT NOTE:

ALL BURIED VALVES, FITTINGS, AND APPURTENANCES SHALL BE MECHANICAL JOINT-TYPE UTILIZING "MEGA-LUG"® STYLE MECHANICAL JOINT RESTRAINTS IN CONJUNCTION WITH "MEGA-LUG"® PIPE BELL-HARNESS RESTRAINTS WHEN ADEQUATE RESTRAINED LENGTH CAN BE OBTAINED. IN THE EVENT ADEQUATE RESTRAINED LENGTHS CANNOT BE OBTAINED, CONTRACTOR SHALL IMMEDIATELY CONTACT ENGINEER FOR DETERMINATION OF APPROPRIATE ACTION TO BE TAKEN. THE EBAA IRON "RESTRAINED LENGTH CALCULATION" PROGRAM (VERSION 4.0) HAS BEEN USED TO DETERMINE MINIMUM RESTRAINED LENGTHS SHOWN IN TABLE ABOVE. THE FOLLOWING GENERAL ASSUMPTIONS APPLY TO ALL CALCULATIONS:

TRENCH TYPE 3
SOIL TYPE SM (SILTY SANDS, SAND SILT MIXTURE)
SAFETY FACTOR 1.5 TO 1

TYPICAL BURY DEPTH:
4" THROUGH 12" DIAMETER PIPE 3 FT
14" THROUGH 24" DIAMETER PIPE 4 FT

TYPICAL BURY DEPTHS FOR VERTICAL OFFSETS:
4" THROUGH 12" DIAMETER PIPE 3 FT TO TOP OF UPPER BRANCH
6 FT TO TOP OF LOWER BRANCH
14" THROUGH 24" DIAMETER PIPE 4 FT TO TOP OF UPPER BRANCH
7 FT TO TOP OF LOWER BRANCH

CONTRACTOR MAY SUBMIT SUBSTITUTE REDUCED RESTRAINED JOINT LENGTHS IF SOIL AND DEPTH OF BURY CONDITIONS WARRANT. CONTRACTOR SHALL PROVIDE SOIL TEST RESULTS AND APPROPRIATE CALCULATIONS TO SUPPORT THE LENGTH REDUCTION. SOIL TESTING AND CALCULATIONS SHALL BE PERFORMED AT CONTRACTOR'S SOLE EXPENSE.

AS-BUILT INFORMATION
CONTRACTOR: ALS SURVEY DATE 2/07 2/07
WORK STAKED BY: DATE
INSPECTOR'S SIGNATURE/DATE
FIELD VERIFICATION BY: JUAN TELLEZ DATE 4/07
VERIFICATION OF AS-BUILTS BY: JUAN TELLEZ DATE 4/07
CORRECTED BY: DATE
RECORDED BY: DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 357,543.73 Y= 1,527,976.48
Ground-to-Grid Factor = 0.99966354
$\Delta\alpha$ = -00°16'30"
SLD 1929 Elevation = 5429.35

MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
NEW MEXICO MIGUEL A. VALDEZ 13814 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY	DATE NOV 2005
		DRAWN BY	DATE NOV 2005 S.JS
		CHECKED BY	DATE NOV 2005

APPROVED FOR CONSTRUCTION
NEW MEXICO UTILITIES INC. DATE

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
COMPOSITE UTILITY PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No. 730086 | Zone Map No. C-9-Z | Sheet 12 Of 16

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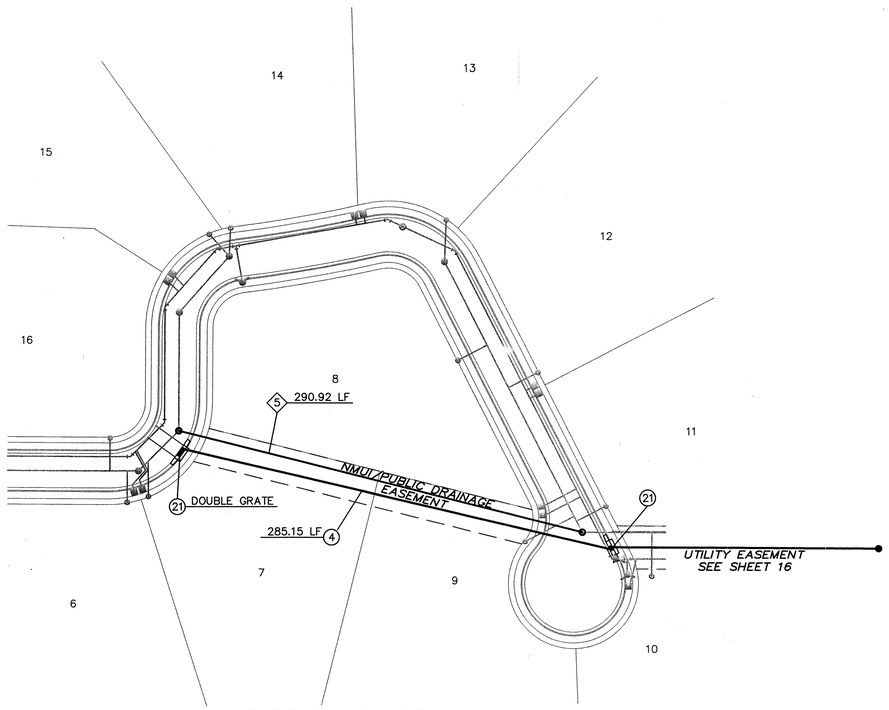
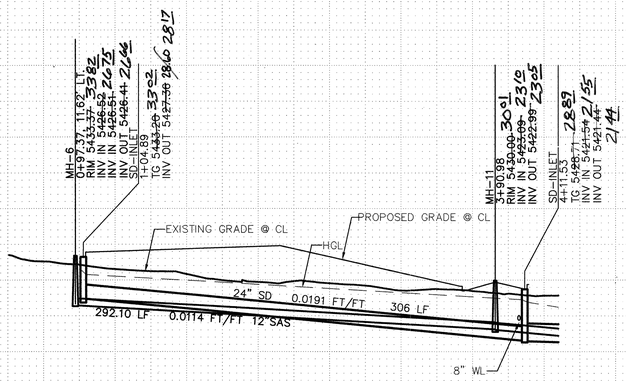


VALLE PRADO PLACE NW

SCALE:
HORIZ: 1" = 50'
VERT: 1" = 10'



5470 5460 5450 5440 5430 5420 5410 5400 5390 5380

1+00 2+00 3+00 4+00

STORM DRAIN CONSTRUCTION NOTES

I.D.#	DESCRIPTION
4	INSTALL 24" STORM DRAIN PIPE
6	INSTALL 30" STORM DRAIN PIPE
21	INSTALL TYPE A CATCH BASIN SINGLE GRATE AND DOUBLE THROAT PER COA STD. DTL. 2201
30	INSTALL 4' DIA. MANHOLE PER COA STD. DTL. 2101

SEWER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
5	INSTALL 12" SEWER PIPE PER STD. SPEC. SEC. 901
15	INSTALL 4' DIA. MANHOLE PER COA STD. DTL. 2102

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief;

Russ P. Hugg
NMPS No. 9750
4-17, 2007

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750

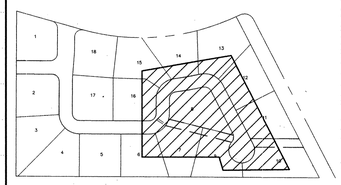
AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: Sauls Survey Tek DATE 2/07
ACCEPTANCE BY: SEC DATE 4/07
VERIFICATION BY: Sauls Survey Tek DATE 4/07
DRAWINGS CORRECTED BY: Sauls Survey Tek DATE 4/07
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 357,543.73 Y= 1,527,976.48
Ground-to-Grid Factor = 0.99966354
$\Delta\alpha$ = -00°16'30"
SLD 1929 Elevation = 5429.35

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
MANUEL N. VALDEZ NEW MEXICO 15844 REGISTERED PROFESSIONAL ENGINEER 4/11/07



INDEX MAP

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY DEC DATE FEB 2006
DRAWN BY DEC DATE FEB 2006
CHECKED BY SJS DATE FEB 2006

WILSON &COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
VALLE PRADO PLACE NW
STORM DRAIN & SANITARY SEWER PLAN & PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DESIGN REVIEW COMMITTEE	APPROVED OCT 13 2006 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
730086	C-9-Z	13	16

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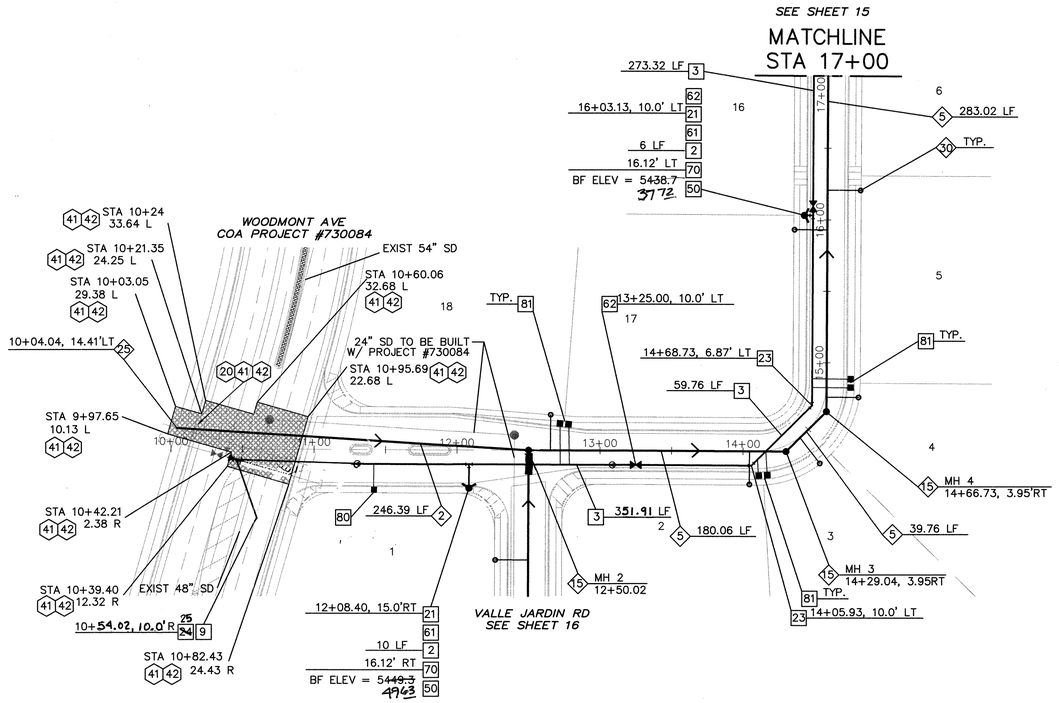
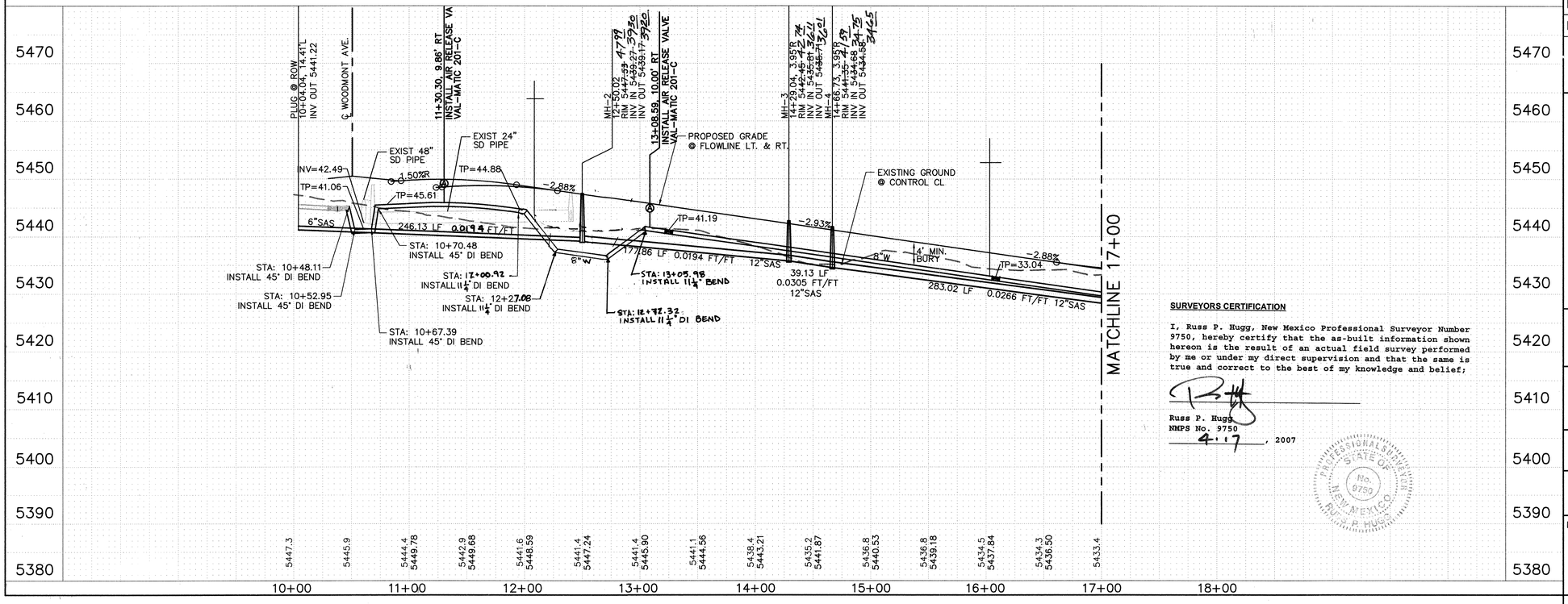
SCANNED BY PLANNING



SEWER SERVICE LOCATIONS

LOT	STATION/OFFSET	INV. @ P/L
2	14+04, 23.00R	5439.0
3	14+41, 23.00R	5438.0
4	14+78, 23.00R	5437.0
5	16+20, 23.00R	5433.2
6	17+37, 23.00R	5430.1
18	12+65, 23.00L	5442.8
17	15+93, 23.00L	5434.0
16	17+28, 23.00L	5430.3

VALLE PRADO PLACE NW



SCALE:
HORIZ: 1" = 50'
VERT: 1" = 10'

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief;

Russ P. Hugg
NMPS No. 9750
4-17, 2007

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

WATER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
2	INSTALL 6" D.I. WATERLINE PER STD. SPEC. SEC. 801
3	INSTALL 8" WATERLINE PER STD. SPEC. SEC. 801
9	CONNECT NEW WATERLINE TO EXISTING WATERLINE
21	INSTALL 8" x 6" TEE
23	INSTALL 8" 45° BEND
24	INSTALL 8" 22 1/2°" BEND
25	INSTALL 8" 11 1/4°" BEND
50	"MEG A LUG" ALL FITTINGS AND JOINTS FROM TEE TO FIRE HYDRANT
61	INSTALL 6" GATE VALVE AND VALVE BOX PER COA STD. DTLS. 2326 & 2328
62	INSTALL 8" GATE VALVE AND VALVE BOX PER COA STD. DTLS. 2326 & 2328
70	INSTALL FIRE HYDRANT
80	INSTALL 3/4" SINGLE WATER SERVICE
81	INSTALL 3/4" DOUBLE WATER SERVICE

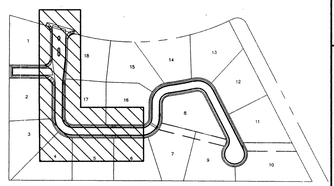
NOTE:
WATER SERVICES SHALL BE INSTALLED @ PL AS SHOWN HEREIN.

SEWER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
2	INSTALL 6" SEWER PIPE PER STD. SPEC. SEC. 901
5	INSTALL 12" SEWER PIPE PER STD. SPEC. SEC. 901
15	INSTALL 4' DIA. MANHOLE PER COA STD. DTL. 2102
23	INSTALL PLUG AND DEAD END MARKER PER COA STD. DTL. 2145
30	INSTALL 4" SEWER SERVICE

PAVING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
20	BUILD PCC STD. CURB AND GUTTER, PER COA STD. DWG. 2415A
41	SAWCUT & REMOVE EXISTING CURB & GUTTER MATCH EXISTING ASPHALT
42	SAWCUT & REMOVE EXISTING ASPHALT & REPAIR PER COA STD DWG 2465



INDEX MAP

APPROVED FOR CONSTRUCTION

NEW MEXICO UTILITIES INC. DATE 7-26-06

WILSON &COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

AS-BUILT INFORMATION
CONTRACTOR SAUS DATE 2/07
WORK PERFORMED BY Surv Tek DATE 4/07
INSPECTOR'S ACCEPTANCE BY BEC DATE 4/07
FIELD VERIFICATION BY Surv Tek DATE 4/07
CORRECTED BY Surv Tek DATE 4/07
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 357,543.73 Y= 1,527,976.48
Ground-to-Grid Factor = 0.99966354
$\Delta\alpha$ = -00°16'30"
SLD 1929 Elevation = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
ANGELA N. VALDEZ NEW MEXICO 14683 LICENSED PROFESSIONAL ENGINEER 9/26/06

REVISIONS
NO. DATE REMARKS BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY DEC DATE FEB 2006
DRAWN BY DEC DATE FEB 2006
CHECKED BY SJS DATE FEB 2006

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
VALLE PRADO PLACE NW
WATER, SEWER, & STORM DRAIN PLAN & PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
DESIGN REVIEW COMMITTEE				

City Project No.	Zone Map No.	Sheet	Of
730086	C-9-Z	14	16

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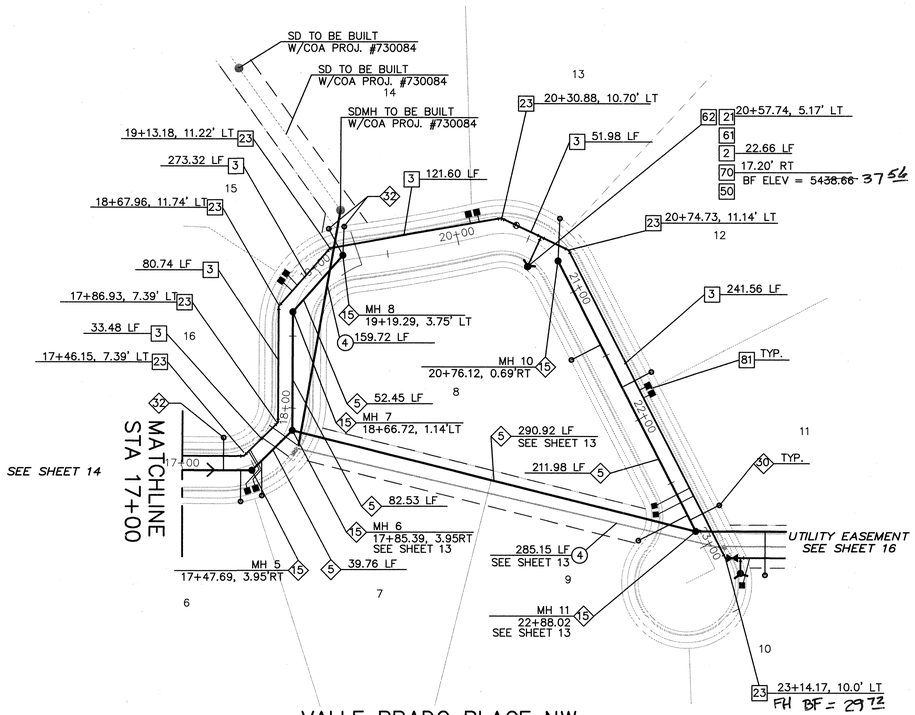
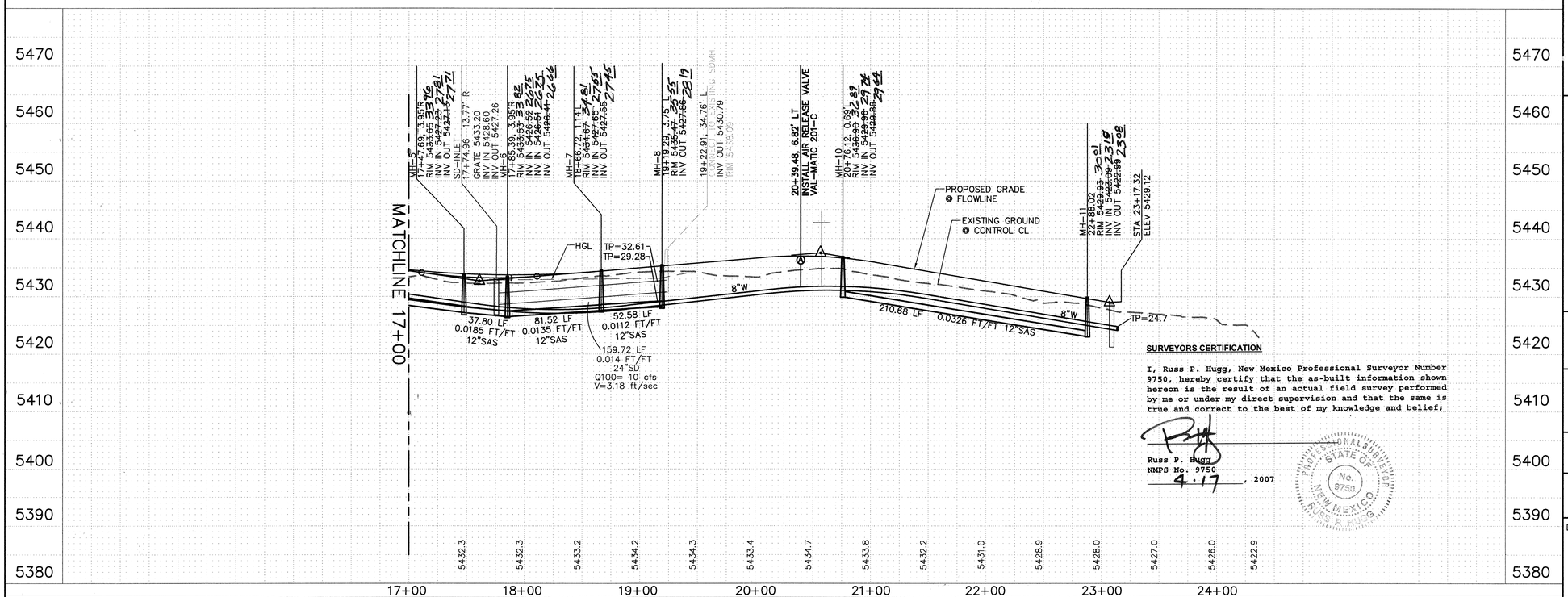
SCANNED BY PLANNING



VALLE PRADO PLACE NW

SCALE:
HORIZ: 1" = 50'
VERT: 1" = 10'



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief;

Russ P. Hugg
NMPS No. 9750
4-17, 2007

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

WATER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
2	INSTALL 6" D.I. WATERLINE PER STD. SPEC. SEC. 801
3	INSTALL 8" WATERLINE PER STD. SPEC. SEC. 801
9	CONNECT NEW WATERLINE TO EXISTING WATERLINE
21	INSTALL 8" x 6" TEE
23	INSTALL 8" 45° BEND
50	"MEG A LUG" ALL FITTINGS AND JOINTS FROM TEE TO FIRE HYDRANT
61	INSTALL 6" GATE VALVE AND VALVE BOX PER COA STD. DTLS. 2326 & 2328
62	INSTALL 8" GATE VALVE AND VALVE BOX PER COA STD. DTLS. 2326 & 2328
70	INSTALL FIRE HYDRANT
80	INSTALL 3/4" SINGLE WATER SERVICE
81	INSTALL 3/4" DOUBLE WATER SERVICE

SEWER CONSTRUCTION NOTES

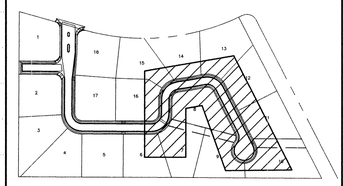
I.D.#	DESCRIPTION
2	INSTALL 6" SEWER PIPE PER STD. SPEC. SEC. 901
5	INSTALL 12" SEWER PIPE PER STD. SPEC. SEC. 901
15	INSTALL 4' DIA. MANHOLE PER COA STD. DTL. 2102
30	INSTALL 4" SEWER SERVICE
32	INSTALL 4" C-900 SEWER SERVICE (PRESSURE RATED) AND TRANSITION COUPLING

STORM DRAIN CONSTRUCTION NOTES

I.D.#	DESCRIPTION
4	INSTALL 24" STORM DRAIN PIPE

SEWER SERVICE LOCATIONS

LOT	STATION/OFFSET	INV. @ P/L
7	17+76, 23.00R	5429.1
8	21+41, 23.00R	5430.6
9	27+75, 23.00R	5429.4
11	22+79, 23.00L	5425.9
12	21+74, 23.00L	5429.5
13	20+60, 23.00L	5432.9
14	19+23, 23.00L	5432.9
15	19+16, 23.00L	5430.7



INDEX MAP

APPROVED FOR CONSTRUCTION

NEW MEXICO UTILITIES INC. DATE 9-25-06

WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

AS-BUILT INFORMATION
CONTRACTOR SALES DATE 12/07
WORK STAKED BY: SURV TEK DATE 4/07
INSPECTOR'S ACCEPTANCE BY: DATE 4/07
FIELD VERIFICATION BY: SURV TEK DATE 04/07
CORRECTED BY: SURV TEK DATE 04/07
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 357,543.73 Y= 1,527,976.48
Ground-to-Grid Factor = 0.99966354
$\Delta\alpha$ = -00°16'30"
SLD 1929 Elevation = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEFTALI N. VALDEZ NEW MEXICO 15814 REGISTERED PROFESSIONAL ENGINEER 04/24/07

REVISIONS				BY
NO.	DATE	REMARKS		ANV
		WILSON & COMPANY, ENGINEERS & ARCHITECTS		
		DESIGNED BY	DEC	DATE FEB 2006
		DRAWN BY	DEC	DATE FEB 2006
		CHECKED BY	SJS	DATE FEB 2006

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
VALLE PRADO PLACE NW
WATER & SEWER, PLAN & PROFILE

Design Review Committee: APPROVED SEP 29 2006 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 13 2006 CITY ENGINEER
Last Design Update: Mo./Day/Yr.
Mo./Day/Yr.

City Project No. 730086
Zone Map No. C-9-Z
Sheet 15 Of 16

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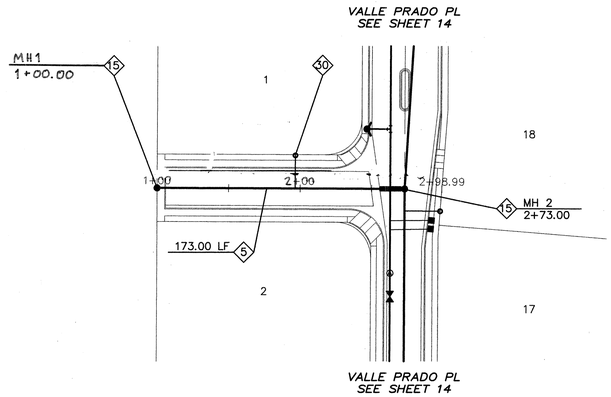
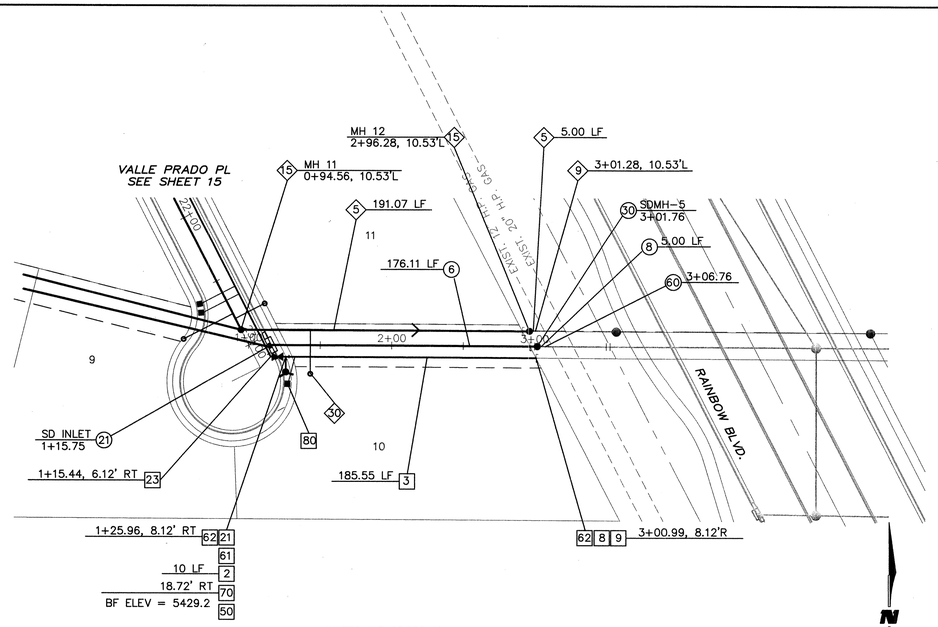


VALLE JARDIN ROAD NW

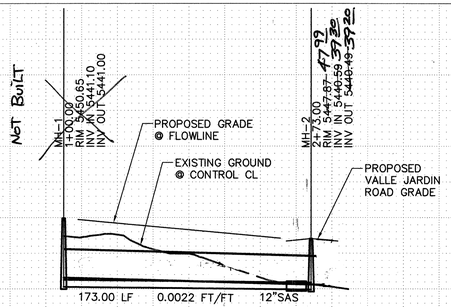


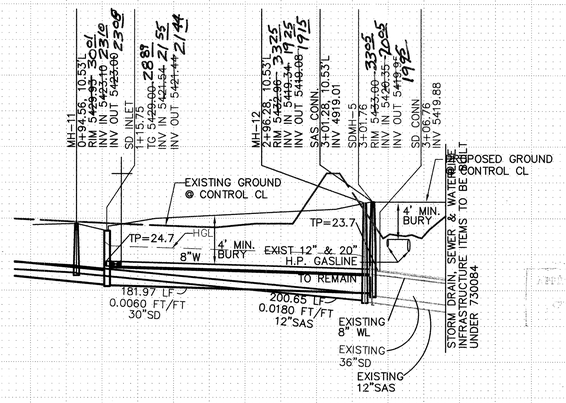
UTILITY EASEMENT

WATERLINE CROSSING

	BOTTOM ELEV.	TOP ELEV.
WL AT SAS	5424.83	5424.83
WL AT SD	5424.40	5425.08
SAS AT WL	5422.92	5423.92
SD AT WL	5421.83	5423.83

SCALE:
HORIZ: 1" = 50'
VERT: 1" = 10'





SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief;

Russ P. Hugg
NMPS No. 9750
4-17, 2007

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750

	5448.1	5447.2	5444.9	5441.7	5440.7		5430.7	5430.2	5429.8	5429.6	5431.3	5430.6	5430.9
	1+00		2+00		3+00		1+00		2+00		3+00		

WATER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
2	INSTALL 6" D.I. WATERLINE PER STD. SPEC. SEC. 801
3	INSTALL 8" WATERLINE PER STD. SPEC. SEC. 801
8	REMOVE EXISTING FITTING
9	CONNECT NEW WATERLINE TO EXISTING WATERLINE
21	INSTALL 8" x 6" TEE
23	INSTALL 8" 45° BEND
50	"MEG A LUG" ALL FITTINGS AND JOINTS FROM TEE TO FIRE HYDRANT
61	INSTALL 6" GATE VALVE AND VALVE BOX PER COA STD. DTLS. 2326 & 2328
62	INSTALL 8" GATE VALVE AND VALVE BOX PER COA STD. DTLS. 2326 & 2328
70	INSTALL FIRE HYDRANT
80	INSTALL 3/4" SINGLE WATER SERVICE

SEWER CONSTRUCTION NOTES

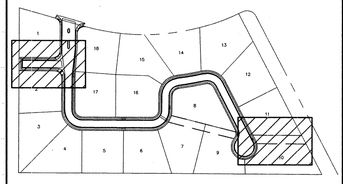
I.D.#	DESCRIPTION
5	INSTALL 12" SEWER PIPE PER STD. SPEC. SEC. 901
9	REMOVE EXISTING PLUG AND CONNECT NEW SEWER LINE TO EXISTING SEWER LINE
15	INSTALL 4' DIA. MANHOLE PER COA STD. DTL. 2102
30	INSTALL 4" SEWER SERVICE

STORM DRAIN CONSTRUCTION NOTES

I.D.#	DESCRIPTION
4	INSTALL 24" STORM DRAIN PIPE
6	INSTALL 30" STORM DRAIN PIPE
8	INSTALL 36" STORM DRAIN PIPE
10	INSTALL 48" STORM DRAIN PIPE
21	INSTALL TYPE A CATCH BASIN SINGLE GRATE AND DOUBLE THROAT PER COA STD. DTL. 2201
30	INSTALL 4' DIA. MANHOLE PER COA STD. DTL. 2101
60	REMOVE EXISTING STORM DRAIN PLUG AND CONNECT NEW STORM DRAIN TO EXISTING

SEWER SERVICE LOCATIONS

LOT	STATION/OFFSET	INV. @ P/L
1	1+96, 23.00L	5444.7
10	1+43, 20.00'R	5425.5



INDEX MAP

APPROVED FOR CONSTRUCTION

NEW MEXICO UTILITIES INC. DATE 4/21/06

WILSON &COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

VALLE VISTA AT THE TRAILS UNIT II
VALLE JARDIN RD NW & UTILITY EASEMENT
WATER, SEWER & STORM DRAIN PLAN & PROFILES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No. 730086 | Zone Map No. C-9-Z | Sheet 16 Of 16

AS-BUILT INFORMATION
CONTRACTOR: SAC DATE: 4/07
WORK PERFORMED BY: SURV TEK DATE: 4/07
INSPECTOR'S FIELD COMPLIANCE BY: SAC DATE: 4/07
VERIFICATION BY: SURV TEK DATE: 4/07
CORRECTED BY: SURV TEK DATE: 4/07
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 357,543.73 Y= 1,527,976.48
Ground-to-Grid Factor = 0.99966354
$\Delta\alpha$ = -00°16'30"
SLD 1929 Elevation = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RUSS P. HUGG
NEW MEXICO
13814
PROFESSIONAL ENGINEER
4/21/06

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	DEC	DATE	FEB 2006
DRAWN BY	DEC	DATE	FEB 2006
CHECKED BY	SJS	DATE	FEB 2006