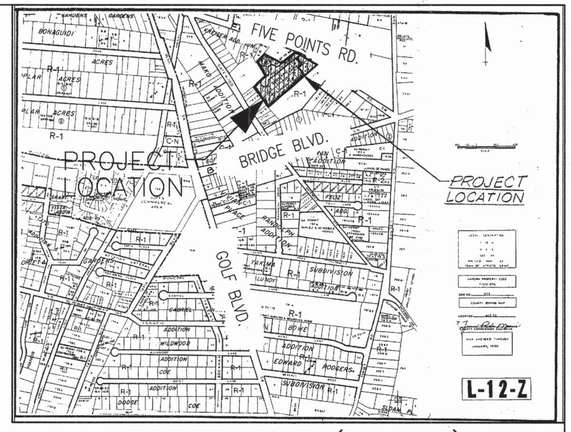
CONSTRUCTION PLANS
FOR
LARRY R. & DYLIA C. VIGIL
SUBDIVISION
ALBUQUERQUE, NEW MEXICO

INDEX

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 4/2/04



VICINITY MAP (L – 12)

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

X ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.

X BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.

__ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.

__ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED

__ IF CURB IS DEPRESSED 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 DAMAGE AFTER APPROVAL BY THE CITY ENGINEER OR WORK COMPLETED BY THE CONTRACTOR.

GENERAL NOTES
NOTICE TO CONTRACTORS

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS" FOR ALL UTILITY WORK. BERNALILLIO COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS SHALL APPLY TO ALL ROADWORK AND SIGNAGE.
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260–1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
3. PRIOR TO ANY 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 OR THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC. WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE–SET BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL NOTIFY THE 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 NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS 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 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. THESE PLANS ARE SUBJECT TO THE REQUIREMENTS OF COUNTY ORDINANCE NO 95–12 AND RESOLUTION NO. AR120–95. THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN AND BARRICADING PERMIT APPLICATION TO BERNALILLO COUNTY TRAFFIC ENGINEERING (848–1504)
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET
8. WATER SHUTOFF REQUIREMENTS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION, 857–8200, TO INITIATE IMPLEMENTATION OF THE NON–PRESSURIZED CONNECTION PLAN. IN ORDER TO COMPLETE THIS CONNECTION, THE FOLLOWING VALVES MUST BE CLOSED BY WATER SYSTEM PERSONNEL: VALVE NO. 471 AND VALVE No. 541 SHOWN ON SHEET 3.
9. BERNALILLO COUNTY INSPECTOR TO VERIFY EXISTING PAVEMENT THICKNESS PRIOR TO PATCHING UTILITY CUT ON FIVE POINT ROAD.

RECORD DRAWINGS

I, Gilbert Aldaz of the firm of Applied Engineering & Surveying, Inc., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and Bernalillo County Public Works, that the original design intent of the approved plans has been met, except as noted by me on the as–built construction drawings. This certification is based on site inspections by me or personnel under my direction.

GILBERT ALDAZ NEW MEXICO 16675 PROFESSIONAL ENGINEER
01-07-04

Roxanne Beka Blatz 10/06/03
BERNALILLO COUNTY PUBLIC WORKS DEPT. APPROVAL DATE:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 5 3 6 5. 9 0 0 5

APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
1605 Blair Drive NE
Office: (505) 237–1456
Albuquerque, New Mexico 87112
Facsimile: (505) 237–1456

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPTARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE

GILBERT ALDAZ NEW MEXICO 16675 PROFESSIONAL ENGINEER
01-07-03

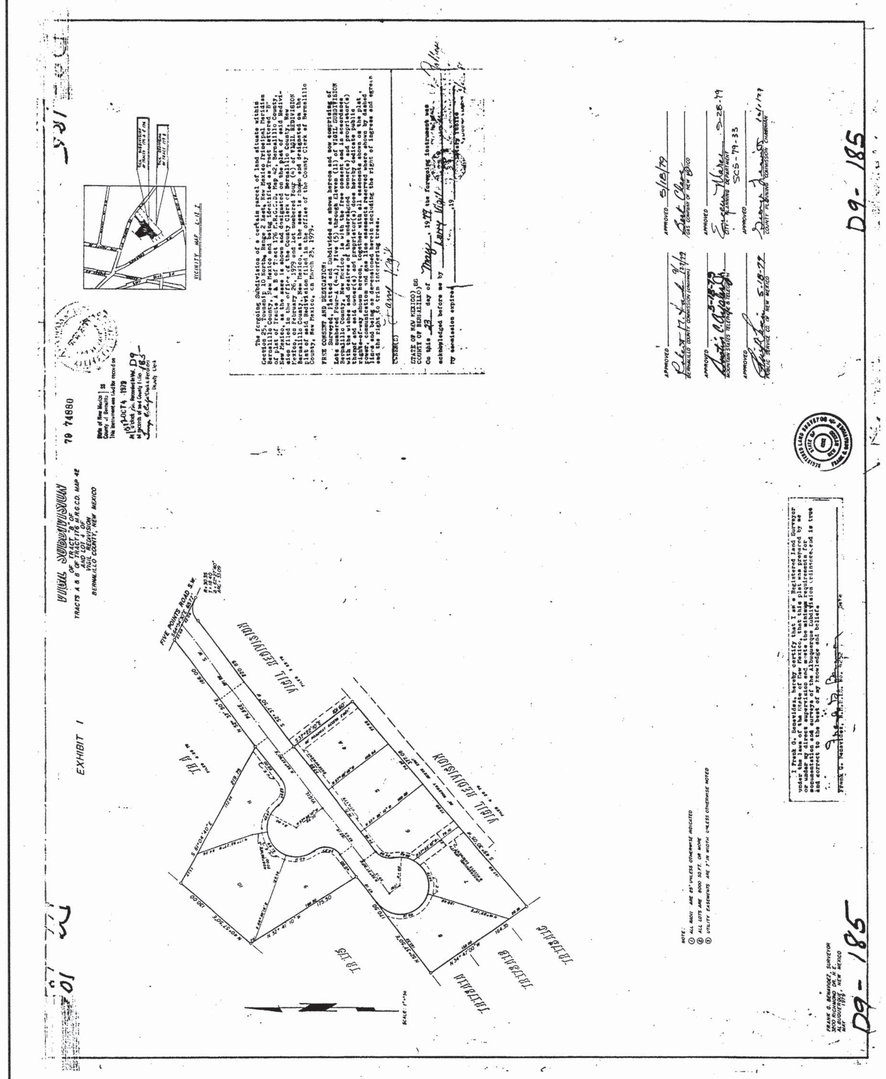
APPROVALS	ENGINEER	DATE
DRC Chairman		10-23-03
Transportation	N/A	7-30-03
Water/Wastewater		8/11/03
Hydrology	N/A	7/30/03
Parks		
Constr. ~~Monitor~~ Coord.		10-23-03

* * * * * * * * * * * *
APPROVED FOR CONSTRUCTION

City Engineer 11/20/03 Date

CITY PROJECT No. 5365.90

Sheet 1 Of 15



VIGIL REDIVISION

OF TRACT 179-A M.R.G.C.D MAP NO. 42
SEC.25, T10N, R2E
BERNALILLO COUNTY, NEW MEXICO

79 21062

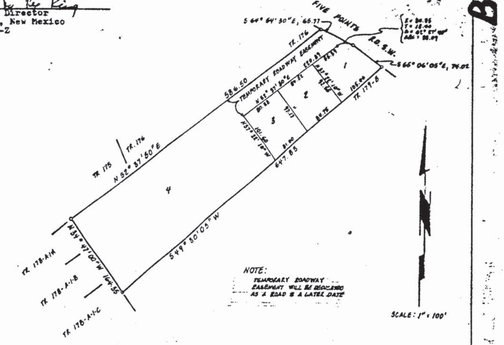
State of New Mexico, County of Bernalillo, SS. This instrument was filed for record on MAR 23 1979 at 12:11 o'clock P M. Recorded in Vol. B16 of records of said County Folio 56. Clerk & Recorder, Deputy Clerk

APPROVAL AND CONDITIONAL ACCEPTANCE as specified by Subsection 22 A 20 of the Albuquerque Subdivision Ordinance

Flat No. SP-79-236

Approval 3-23-79

Planning Director
Albuquerque, New Mexico
D-12-Z



A certain tract of land situate within Section 25, Township 10 North, Range 2 East, New Mexico Principal Meridian, Bernalillo County, New Mexico, and being identified as Tract 179-A as shown on Bernalillo County Survey Sheet No. 2 bears N 25° 15' 00" W, 2610.00 feet distance (NOTE: This is for identification purposes only and not to be used for retracement); thence N 34° 47' 00" W, 164.55 feet distance to the Northwest corner of the tract herein described; thence N52° 37' 50" E, 586.50 feet distance to the Northeast corner of the tract herein described said Northeast corner being a point on the westerly right-of-way line of Five Points Rd. S.W. to the angle point of the tract herein said Westerly right-of-way line of Five Points Rd. S.W. to the angle point of the tract herein described; thence S 55° 06' 05" E, 74.02 feet distance along said westerly right-of-way line of Five Points Rd. S.W. to the Southeast corner of the tract herein described ; thence S 49° 30' 05" W, 647.83 feet distance to the point and place of beginning add containing 2.0928 acres more or less.

Surveyed and platted as shown and now comprising of Lots 1, 2, 3, and 4 of the VIGIL REDIVISION Bernalillo County, New Mexico, is with the free consent and in accordance with the wishes and desires of the undersigned owner and proprietor thereof .

OWNER Larry Vigil
Larry Vigil - President of Larry Vigil & Sons

STATE OF NEW MEXICO) SS
COUNTY OF BERNALILLO)

On this 27th day of March, 1979 the foregoing instrument was acknowledged before me by Larry Vigil, President of Larry Vigil & Sons.

My commission expires 7-30-82, 19__ Notary Public

I Frank G. Benavidez, New Mexico Registered Land Surveyor No. 4252 do hereby certify that this plat was made by me or under my direct supervision and that the same is true and correct to the best of my knowledge.

Frank G. Benavidez, Surveyor

FRANK G. BENAVIDEZ, SURVEYOR
3200 RICHMOND DRIVE N.E.
ALBUQUERQUE, NEW MEXICO
MARCH 14, 1979 TR 2

REGISTERED LAND SURVEYOR STATE OF NEW MEXICO 4252 FRANK G. BENAVIDEZ

B16-56

SP-A-79-425

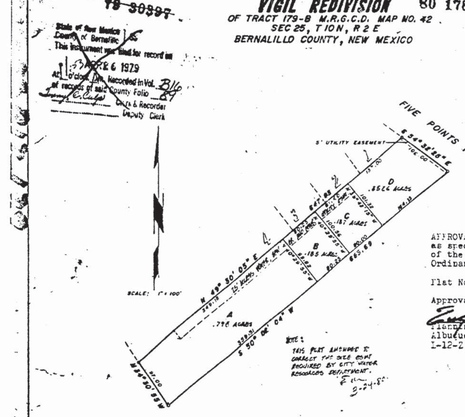
79 30397

VIGIL REDIVISION

OF TRACT 179-B M.R.G.C.D. MAP NO. 42
SEC 25, T10N, R2E
BERNALILLO COUNTY, NEW MEXICO

80 17872

State of New Mexico, County of Bernalillo, SS. This instrument was filed for record on MAR 24 1980 at 9:00 o'clock A.M. Recorded in Vol. B17 of records of said County Folio 139. Clerk & Recorder, Deputy Clerk



APPROVAL AND CONDITIONAL ACCEPTANCE as specified by Subsection 22 A 20 of the Albuquerque Subdivision Ordinance.

Flat No. SP-79-313

Approval 4-26-79

Planning Director
Albuquerque, New Mexico
1-12-Z

A certain tract of land situated in Section 25, Township 10 North, Range 2 East, New Mexico Principal Meridian, Bernalillo County, New Mexico, and being identified as Tract 179-B, as shown on the Middle Rio Grand Conservancy District Property Map No. 42, and being more particularly described by metes and bounds survey as follows: Beginning at the Northwest corner of the tract herein described, said Northwest corner being the Northwest corner of said Tract 179-B; whence the North Quarter (N¼) corner of Section 25, T 10 N, R 2 E, N.M.P.M., Bernalillo County, New Mexico, as shown on Bernalillo County Survey Sheet No. 2 bears N 25° 15' 00" W, 2610.00 feet distance (Note: This is for identification purposes only and not to be used for retracement); thence S 49° 30' 05" E, 647.83 feet distance to the Northeast corner of the tract herein described, said Northeast corner being a point on the Westerly right-of-way line of Five Points Road S.W.; thence S54° 32' 25" E, 106.00 feet distance along the Westerly right-of-way line of Five Points Road S.W. to the Southeast corner of the tract herein described; thence S 50° 02' 00" W, 683.69 feet distance to the Southwest corner of the tract herein described; thence N 54° 30' 55" W, 97.00 feet distance to a point and place of beginning and containing 1.5225 acres more or less.

Surveyed and platted as shown and now comprising of Lots A, B, C and D of the VIGIL REDIVISION of Tract 179-B, M.R.G.C.D. Map No. 42, Bernalillo County, New Mexico, is with the free consent and in accordance with the wishes and desires of the undersigned owner and proprietor thereof.

Owner Ray Sarela

STATE OF NEW MEXICO) SS
COUNTY OF BERNALILLO)

On this 4th day of April, 1979 the foregoing instrument was acknowledged before me by Ray Sarela

My commission expires Oct. 20, 1980 Notary Public

I Frank G. Benavidez, New Mexico Registered Land Surveyor No. 4252 do hereby certify that this plat was made by me or under my direct supervision and that the same is true and correct to the best of my knowledge.

Frank G. Benavidez, Surveyor

FRANK G. BENAVIDEZ, SURVEYOR
3200 Richmond Drive N.E.
Albuquerque, New Mexico
April 11, 1979

REGISTERED LAND SURVEYOR STATE OF NEW MEXICO 4252 FRANK G. BENAVIDEZ

B17-139

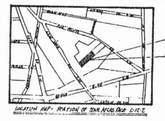
80 17873

REPLAT OF LOT A VIGIL REDIVISION

VIGIL SUBDIVISION AREA

BERNALILLO COUNTY, NEW MEXICO

State of New Mexico, County of Bernalillo, SS. This instrument was filed for record on MAR 24 1980 at 9:00 o'clock A.M. Recorded in Vol. B17 of records of said County Folio 140. Clerk & Recorder, Deputy Clerk



The foregoing Replat of lot lettered "A" of VIGIL REDIVISION, Bernalillo County, New Mexico, as the same is shown and designated on the plat of said Redivision filed in the office of the County Clerk of Bernalillo County, New Mexico, on April 11, 1979.

Said Lot "A" is platted as shown hereon and now comprising of lots lettered "A-1", "A-2", "A-3", and "A-4" of VIGIL SUBDIVISION AREA, Bernalillo County, New Mexico, is with the free consent and in accordance with the wishes and desires of the undersigned owner and proprietor thereof and said owner and proprietor does hereby dedicate all easements as shown hereon the plat together with the right of ingress and egress and the right to trim interfering trees.

OWNER

STATE OF NEW MEXICO)SS
COUNTY OF BERNALILLO)

On this 24th day of January, 1980 the foregoing instrument was acknowledged before me by

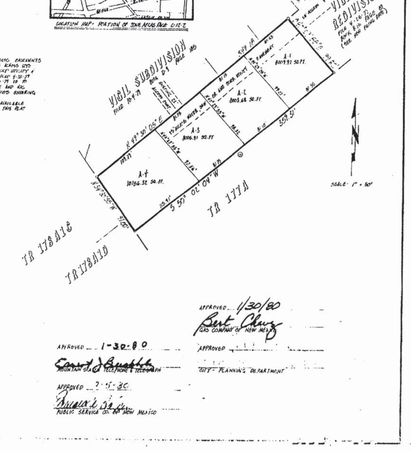
My commission expires September 1980 Notary Public

I Frank G. Benavidez do hereby certify that I am a Registered Land Surveyor under the laws of the State of New Mexico and that this plat was made by me or under my direct supervision and that meets the minimum requirements for monumentation and is true and correct to the best of my knowledge and belief

Frank G. Benavidez R.M.L.S. No. 4252

REGISTERED LAND SURVEYOR STATE OF NEW MEXICO FRANK G. BENAVIDEZ

FRANK G. BENAVIDEZ, SURVEYOR
3200 RICHMOND DR NE
ALBUQUERQUE, NEW MEXICO
JANUARY 1980



APPROVED 1-30-80
Bert Chavez
PUBLIC SERVICE CO. OF NEW MEXICO

APPROVED 1-30-80
Conrad J. Bustillos
MONITOR OF TELEPHONE OPERATION

APPROVED
CITY PLANNING DEPARTMENT

APPROVED 2-1-80
Dennis L. Dykes
PUBLIC SERVICE CO. OF NEW MEXICO

D16-115

SCANNED BY MESA REPRO

TITLE: PLATS			
For Information Only			
City Project No. 5365.90	Zone Map No. L-12	Sheet 2	Of 15

DRAINAGE PLAN FOR LARRY VIGIL & DYLIA SUBDIVISION

THE FOLLOWING ITEMS CONCERNING THE VIGIL SUBDIVISION GRADING AND DRAINAGE PLAN ARE CONTAINED HEREON:
1. VICINITY MAP
2. GRADING AND DRAINAGE PLAN
3. FLOODMAP
4. DRAINAGE CALCULATIONS

EXISTING CONDITIONS
AS SHOWN BY THE VICINITY MAP, THE SITE IS LOCATED AT NORTH OF BRIDGE BOULEVARD, BETWEEN GATEWOOD AVENUE AND FIVE POINTS ROAD. THE SITE CONTAINS ABOUT 4.66 ACRES AND ITS PRESENTLY ZONED R-1 AND CONTAINS 18 PLATTED LOTS THAT WERE PLATTED IN THE 1970S. AT PRESENT LOT "1" AND LOT "D" ADJACENT TO FIVE POINTS ROAD ARE CURRENTLY DEVELOPED, THE DRAINAGE ANALYSIS WILL ACCOUNT FOR EXISTING CONDITIONS OF THESE LOTS, SINCE THIS SUBDIVISION CANNOT FORCE REQUIREMENTS TO LOT "1" AND "D" THIS ANALYSIS WILL NOT MAKE ANY PROPOSED REQUIREMENTS. THE EXISTING SITE IS CURRENTLY FLAT AND WAS FARMLAND AT ONE TIME. TYPICAL OF THE FARMLAND IN THE SOUTH VALLEY AREA.

ACCORDING TO THE FLOOD INSURANCE RATE MAP, PANEL 35001C0333 D, DATED SEPTEMBER 20, 1996, THIS SITE DOES NOT LIE IN A DESIGNATED 100-YEAR FLOOD PLAIN.

PROPOSED CONDITIONS
AS SHOWN BY THE PLAN THE PROPOSAL IS TO ADD ASPHALT PAVING PER COUNTY STANDARDS ALONG ALL THE ROADWAYS TO SERVE THE EXISTING 16 LOTS THAT WERE PLATTED IN THE 1970S.

CURRENTLY THERE ARE NO EXISTING PUBLIC DRAINAGE IMPROVEMENTS ADJACENT TO THIS SITE. IT IS THE INTENT OF THIS PLAN TO PROVIDE A FLAT GRADING SCHEME BY PROVIDING A POND WITHIN EACH LOT, THIS POND WOULD ACCEPT DRAINAGE FLOWS FROM THE NEW PAVED STREET FRONTAGE AND ACCOMMODATE THE IMPERVIOUS AREA WITHIN EACH LOT. THE FINISH FLOOR FOR EACH LOT WILL BE ELEVATED ONE FOOT ABOVE THE 10-DAY, 100-YEAR WATER SURFACE ELEVATION. A FLOODWALL WILL BE CONSTRUCTED AT THE PERIMETER OF THE EXISTING 16-LOT SUBDIVISION TO CONTAIN THE 10-DAY, 100-YEAR WATER SURFACE ELEVATION. THE ASPHALT PAVING WILL BE ELEVATED ABOVE THE 10-DAY, 100-YEAR WATER SURFACE ELEVATION IN ORDER TO MINIMIZE DRAINAGE PONDING WITHIN THE ASPHALT PAVING.

THE CALCULATIONS THAT APPEAR HEREON, ANALYZE BOTH THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL RUNOFF FOR PEAK FLOWS AND STORM DURATION FOR VOLUME REQUIREMENTS. THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS AS SET FORTH IN THE REVISION OF SECTION 22.7 HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA, DATED JANUARY 1993. THIS D.P.M. PROCEDURE IS USED FOR ANALYZING ONSITE FLOWS.

DOWNSTREAM CAPACITY
THERE ARE NO ACCESSIBLE STORM DRAIN FACILITIES IN THIS AREA THAT THIS SUBDIVISION CAN DRAIN INTO; THEREFORE DOWNSTREAM DRAINAGE CAPACITY IS NOT AN ISSUE SINCE DRAINAGE FLOWS WILL BE MAINTAINED ONSITE.

EROSION CONTROL
TEMPORARY EROSION CONTROL WILL BE REQUIRED DURING THE CONSTRUCTION PHASE TO PROTECT DOWNSTREAM PROPERY AND IMPROVEMENTS FROM SEDIMENT AND UNCONTROLLED RUNOFF. THE CONTRACTOR SHALL INCLUDE TEMPORARY EARTH BERMING ALONG THE SOUTH, NORTH, EAST AND WEST SIDE OF THE PROJECT BOUNDARIES TO HOLD RUNOFF DURING CONSTRUTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY MAINTAIN THESE FACILITIES DURING THE CONSTRUCTION PHASE OF THE PROJECT.

OFFSITE FLOWS
THERE ARE NO OFFSITE FLOWS THAT ENTER THIS PROPERTY, SINCE THE SURROUNDING PROPERTY IS RELATIVELY FLAT.

DRAINAGE CALCULATIONS
1. PRECIPITATION ZONE =1
2. DESIGN STORM = DEPTH (INCHES) AT 100-YEAR STORM
   6HOUR = 2.20 INCHES
   4HOUR = 2.66INCHES
   10DAY = 3.67 INCHES
3. PEAK DISCHARGE (CFS/ACRE) FIR 100-YEAR, ZONE 2, TABLE A-9:
   Q = 1.29 CFS/ACRE SOIL UNCOMPACTED "A"
   Q = 2.03 CFS/ACRE LANDSCAPED "B"
   Q = 2.87 CFS/AC COMPACTED SOIL "C"
   Q = 4.37 CFS/ACRE IMPERVIOUS AREA "D"
   FOR WATERSHEDS LESS THAN OR EQUAL TO 40 ACRES
4. EXCESS PRECIPITATION, E (INCHES), 6 HOUR STORM, ZONE 2, TABLE A-8:
   E = 0.44 INCHES SOIL UNCOMPACTED "A"
   E = 0.67 INCHES LANDSCAPED "B"
   E = 0.99 INCHES COMPACTED SOIL "C"
   E =1.97 INCHES IMPERVIOUS AREA "D"
5. EXISTING CONDITIONS ONSITE, INCLUDES LOT "1" AND "D":

TREATMENT	AREA(ACRES)
A	4.13
B	0.18
C	0.18
D	0.17

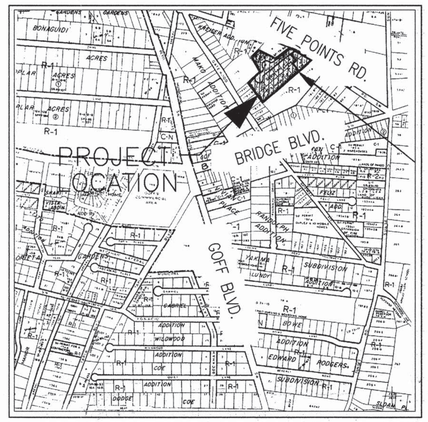
Q(EXISTING) = (1.29X4.13) + (2.03X0.18) + (2.87X0.18) + (4.37X0.17)
= 6.9CFS ENTIRE SUBDIVISION
V(EXISTING-6HR) = (0.44X4.13) + (0.67X0.18) + (0.99X0.18)+(1.97X0.17)/12
= 0.20AC-FT ENTIRE SUBDIVISION

6. PROPOSED LAND TREATMENTS, AND RETENTION VOLUME REQUIRED:
   TOTAL AREA = 3.85ACRES (167,805SF) EXCLUDES LOT "1" AND LOT "D"
   PROPOSED ROOF AREA = 40' X 40' = 1600SF X 16 LOTS = 25,600SF = 0.59AC
   PROPOSED DRIVEWAY AREA = (375SF X 11LOTS) + (450SF X 5LOTS) = 6,375SF = 0.15AC
   PROPOSED PAVED AREA = 37,897SF = 0.87AC
   TOTAL AREA OF TREATMENT "D" = 0.59AC + 0.15AC + 0.87AC = 1.61AC
   SPLIT TREATMENT OF "B" AND "C" 50/50 SPLIT = (3.85 - 1.61AC)/2
   = 1.12AC (48,787SF) OF "B" AND "C"

TREATMENT	AREA(ACRES)
A	0
B	1.12
C	1.12
D	1.61

V(PROPOSED-6HR) = (0.67 X 1.12) + (0.99 X 1.12) +(1.97 X 1.61)/12
= 0.42AC-FT
V(PROPOSED-10DAY) = 0.42AC-FT + 1.61AC X ((3.67 - 2.20)/12)
= 0.62AC-FT
WATER SURFACE DEPTH (PROPOSED 6HR) = (6HR VOLUME / AREA OF TREATMENT "B" + TREATMENT "C")
WATER SURFACE DEPTH (PROPOSED 6HR) = (0.42AC-FT X 43,560SF/AC
/ 2 X 48,787SF = 0.19FEET OF DEPTH = 2.25INCHES
WATER SURFACE DEPTH (PROPOSED 10DAY) = (10DAY VOLUME / AREA OF TREATMENT "B" + TREATMENT "C")
WATER SURFACE DEPTH (PROPOSED 10DAY) = (0.62AC-FT X 43,560SF/AC / 2 X 48,787SF = 0.28FEET OF DEPTH, USE 0.30 FEET OF DEPTH
= 3.60INCHES
USE POND BOTTOM ELEVATION = 4942.70
MINIMUM TOP OF WALL ELEVATION TO CONTAIN 10DAY VOLUME
= 4942.70 FEET + 0.30FEET = 4943.00FEET
MINIMUM FINISH FLOOR ELEVATION TO BE 1FOOT ABOVE 10DAY VOLUME = 4943.00FEET + 1FOOT = 4944.00
MINIMUM TOP OF PAVED AREA ELEVATION TO MINIMIZE ENCROACHMENT OF 10DAY VOLUME = 4943.00

FIRM MAP 35001C0333 D



VICINITY MAP (L – 12)

TOPOGRAPHIC SURVEY
THE EXISTING TOPOGRAPHY SHOWN ON THIS SHEET WAS DEVELOPED FROM A FIELD SURVEY PERFORMED JULY 21, 1995 BY MARCUS SURVEYING CO., INC. A FIELD REVIEW OF THE SITE WAS PERFORMED ON JUNE 8, 1996. THIS REVIEW REVEALED THAT ALL THE INFORMATION SHOWN ON THIS PLAN IS CONSISTENT WITH THE ACTUAL CONDITIONS THAT EXIST IN THE FIELD AND, TO THE BEST OF MY KNOWLEDGE TO DATE, THERE HAS BEEN NO GRADING ACTIVITY.

AS BUILT INFORMATION
CONTRACTOR STAR PAVING DATE 07/01
WORK STAKED BY WANJOHN DATE 07/01
FIELD TWO'S ACCEPTANCE BY APPLIED ENGR. DATE 08/01
FIELD VERIFICATION BY APPLIED ENGR. DATE 08/01
DRAWINGS CORRECTED BY APPLIED ENGR. DATE 09/01
MICRO-FILM INFORMATION
RECORDED BY DATE
Con Inspector Mike Stricker

BENCH MARKS
SITE BENCHMARK IS AN A. C. S. MONUMENT "16-L12A", ELEVATION=4945.073, ALUMINUM DISK SET IN THE TOP OF A CONCRETE CURB AT THE E. S. E. CURB RETURN, S. E. QUADRANT OF BRIDGE BLVD. AND SUNSET ROAD S. W. VERTICAL DATUM=N. G. V. D. =1929

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
Lawrence Alvarez 07-01-03

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY G. ALDAZ DATE 07-01-03
DRAWN BY DATE
CHECKED BY G. ALDAZ DATE 07-01-03

APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
1605 Blair Drive NE, Albuquerque, New Mexico 87112
Office: (505) 237-1456 Facsimile: (505) 237-1456

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DRAINAGE CALCULATIONS

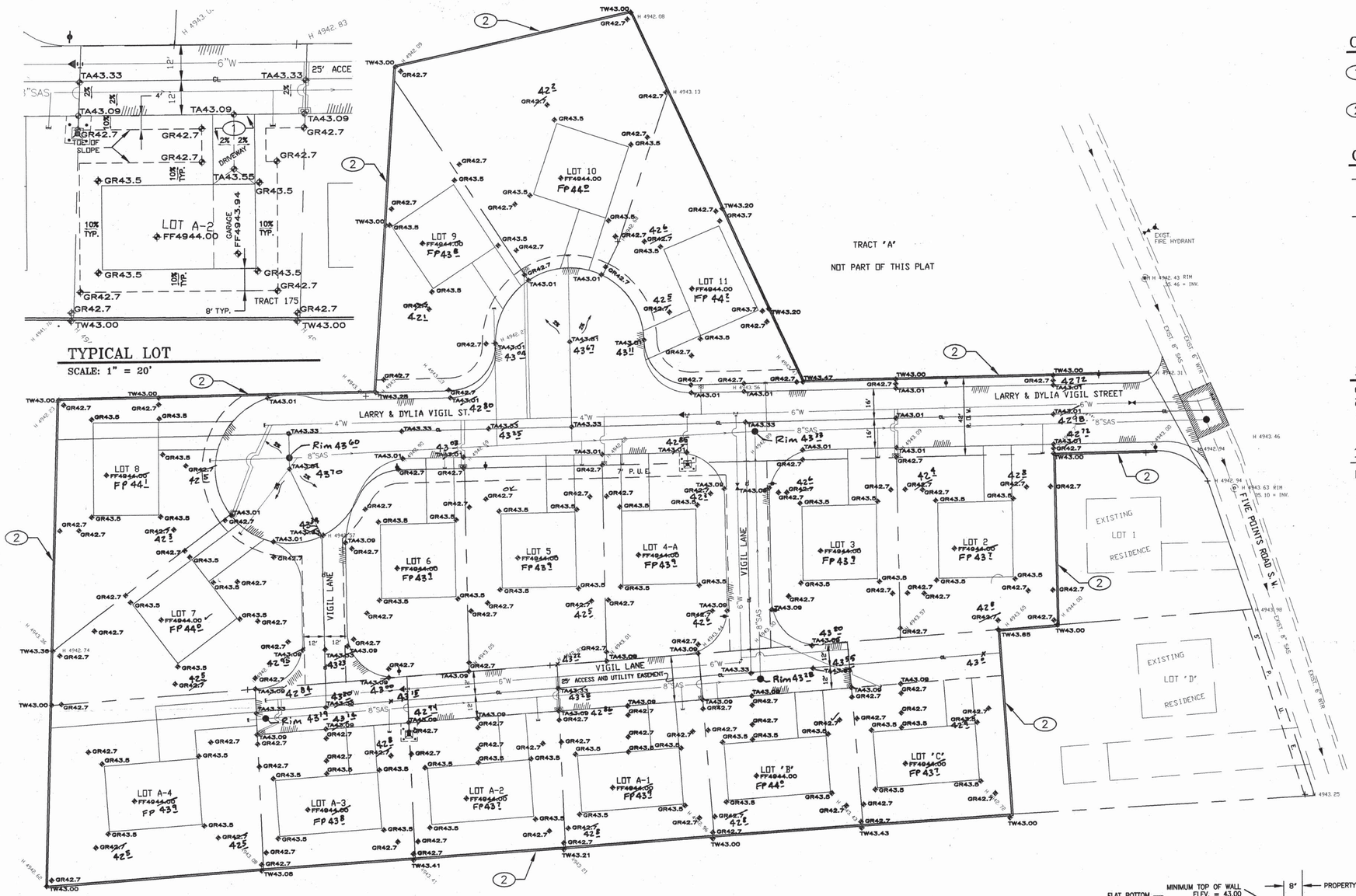
Design Review Committee | City Engineer Approval
For Information Only

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5365.90	L–12	3	15

TYPICAL LOT

SCALE: 1" = 20'



GRADING PLAN

SCALE: 1" = 30'

CONSTRUCTION NOTES:

1. SLOPE DRIVEWAYS FROM CENTER TO SIDES IN ORDER TO MINIMIZE PONDING AT ROADWAY.
2. CONSTRUCT FLOODWALL PER DETAIL SHOWN AT ENTIRE PERIMETER OF SUBDIVISION.

GRADING NOTES:

-MAINTAIN MAXIMUM SLOPE OF 10: 1 FROM EDGE OF PAVEMENT AND EDGE OF DRIVEWAY TO POND BOTTOM.

-MAINTAIN MAXIMUM SLOPE OF 10: 1 FROM HOUSE PAD ADJACENT GRADE TO POND BOTTOM.

NOTE: ALL LOTS ARE REQUIRED TO ACCEPT STORM WATER RUNOFF FROM THE STREET AND CANNOT BLOCK THE FLOW WITH A WALL. THE STREET RUNOFF IS REQUIRED TO POND WITHIN EACH LOT.

100 YEAR DRAINAGE DEPTH

6 HR. - 100 YR, DEPTH = 0.20 FEET
24 HR. - 100 YR, DEPTH = 0.25 FEET
10 DAY - 100 YR, DEPTH = 0.30 FEET

10 DAY - 100 YEAR WATER SURFACE

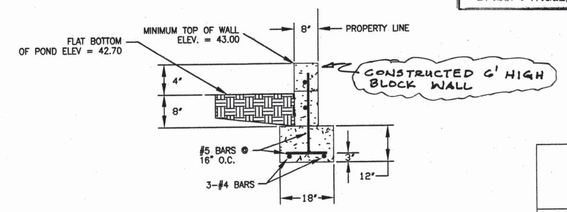
ELEVATION = 4942.70 + 0.30' = 4943.00

DRAINAGE CERTIFICATION

As indicated by the as-built information shown hereon, Larry Vigil Subdivision Grading and Drainage plan has been constructed in substantial compliance with the approved Grading and Drainage Plan. This Certification is presented in fulfillment of drainage requirements requested by Bernalillo County. The information shown hereon has been obtained by me or under my direct supervision and is true and correct to the best of my knowledge and belief.

Gilbert Aldaz 12-08-04

Gilbert Aldaz, NMPE 10848 — Date



NOTE:
IF OWNER WANTS TO CONSTRUCT A BLOCK WALL EXCEEDING 4' ON TOP OF FLOODWALL, THE OWNER SHALL COORDINATE WITH A STRUCTURAL ENGINEER FOR STRUCTURAL WALL REQUIREMENTS. THIS DESIGN IS FOR FLOODWALL AND 4' HIGH BLOCK WALL.

TYPICAL PERIMETER FLOOD WALL

SCALE: 1/2" = 1'-0'

A

GRAPHIC SCALE
30 0 30 60
(IN FEET)
1 inch = 30ft.

LEGEND

5360 — NEW CONTOUR GRADE	NEW GRADE BREAK
5362 — EXISTING CONTOUR GRADE	X 55.54 EXISTING GRADE ELEVATION
DRAINAGE FLOW DIRECTION	T.O.P62.50 NEW GRADE ABOVE PIPE
TC62.50 AS-BUILT NEW TOP OF CURB ELEVATION	T.O.G62.50 NEW TOP OF GRATE ELEVATION
FL62.00 AS-BUILT NEW FLOWLINE OF CURB ELEVATION	TW62.50 NEW TOP OF WALL ELEVATION
TA5011 AS-BUILT NEW TOP OF ASPHALT ELEVATION	FP4344 AS-BUILT FINISH ~~NEW FINISH FLOOR ELEVATION~~ PAD ELEV.
TSW61.67 AS-BUILT NEW TOP OF SIDEWALK ELEVATION	FF4944.00
	FLOODWALL

SCANNED BY MESA REPRO

AS BUILT INFORMATION
CONTRACTOR STAR PAVING DATE 07-01
WORK STAKED BY WAYJOHN DATE 07-01
INSPECTOR'S ACCEPTANCE BY APPLIED ENGR. DATE 07-01
FIELD VERIFICATION BY APPLIED ENGR. DATE 07-01
DRAWINGS CORRECTED BY APPLIED ENGR DATE 07-01
MICRO-FILM INFORMATION
RECORDED BY DATE
Per Inspector: Mike Stokes

BENCH MARKS
SITE BENCHMARK IS AN A. C. S. MONUMENT "16-L12A", ELEVATION=4945.073, ALUMINUM DISK SET IN THE TOP OF A CONCRETE CURB AT THE E. S. E. CURB RETURN, S.E. QUADRANT OF BRIDGE BLVD. AND SUNSET ROAD S.W., VERTICAL DATUM=N.G.V.D.=1929

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY G. ALDAZ DATE 07-01-03
DRAWN BY DATE
CHECKED BY G. ALDAZ DATE 07-07-03

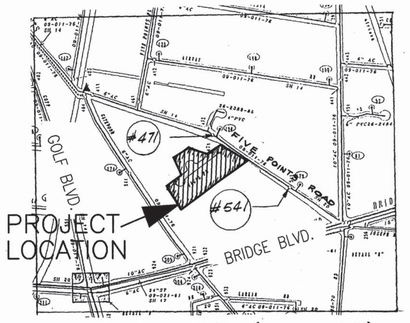
APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
1605 Bob Drive NE, Albuquerque, New Mexico 87112
Office: (505) 237-1456 Facsimile: (505) 237-1456

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: GRADING PLAN

Design Review Committee: For Information Only
City Engineer Approval
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5365.90	L-12	4	15



VICINITY MAP (L – 12)

TO ISOLATE THE WATER LINE IN FIVE POINTS ROAD, IT IS NECESSARY TO CLOSE THE FOLLOWING VALVES SHOWN ON THE ABOVE PLAN AS CIRCLED:

VALVE No. 471
VALVE No. 541

Water Shutoff Requirements: The Contractor shall be responsible for timing and coordination of water shutoff. At least SEVEN (7) working days prior to construction, Contractor shall contact the Water Systems Division, 857-8200, to initiate implementation of the non-pressurized connection plan. In order to complete this connection, the following valves must be closed by Water Systems personnel; Valve No. 471 and Valve No. 541 shown on THIS SHEET.

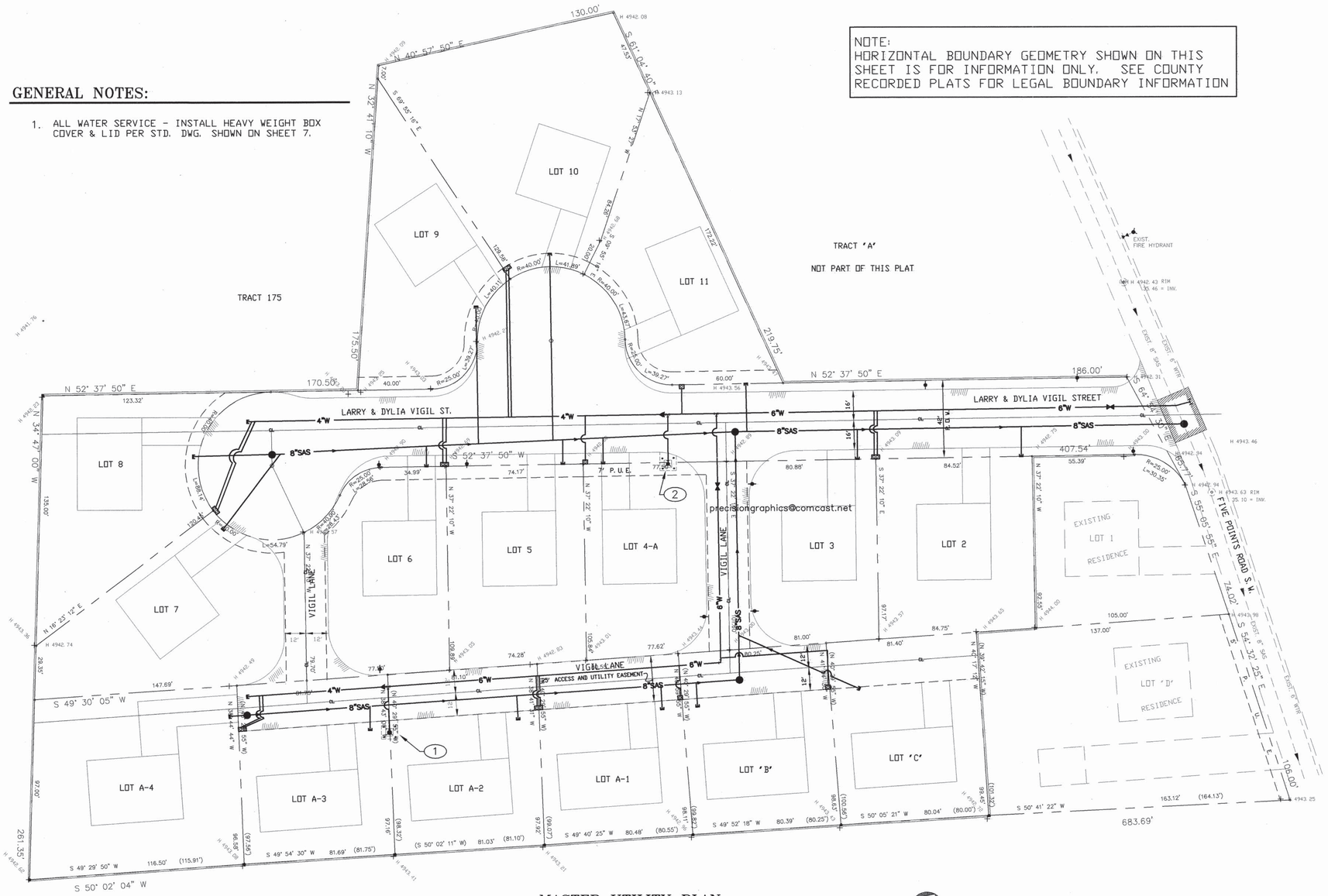
MECHANICAL RESTRAINT NOTES:

1. MECHANICALLY RESTRAINED JOINTS WILL TYPICALLY BE USED FOR RESTRAINING NEW WATER LINES.
2. CONCRETE THRUST BLOCKING WILL ONLY BE USED WHERE SPECIFICALLY IDENTIFIED ON THE PLANS.
3. CONCRETE THRUST BLOCKS SHALL NOT BE USED TOGETHER WITH MECHANICALLY RESTRAINED JOINTS FOR RESTRAINT OF A SINGLE FITTING.
4. IN NO CASE SHALL DRY CONCRETE THRUST BLOCKING BE USED FOR JOINT RESTRAINT.
5. MECHANICALLY RESTRAINED PIPE LENGTHS WERE CALCULATED USING EBAA IRON'S THRUST RESTRAINING SYSTEM.
6. SPECIAL CONSIDERATION MAY BE NEEDED TO MEET CERTAIN FIELD CONDITIONS. RESTRAINT LENGTHS MAY EXTEND INTO EXISTING WATER MAINS, REQUIRING RESTRAINED FITTINGS TO BE PLACED AT EXISTING WATERLINE JOINTS FOR THE LENGTH SPECIFIED IN THE TABLES ON THIS SHEET. LENGTHS OF MECHANICALLY RESTRAINED PIPE MAY OVERLAP TO DETERMINE GREATEST RESTRAINT LENGTH IN ANY ONE DIRECTION.
7. ALL JOINTS AT FITTINGS SHALL BE RESTRAINED.
8. DESIGN ASSUMPTIONS FOR MECHANICALLY RESTRAINED JOINTS:
   SAFETY FACTOR: 1.5
   PRESSURE: 150 psi (1034 kPa) (FIRELINES REQUIRE
   SOIL TYPE: GM – SILTY GRAVELS
   PIPE: AS NOTED
   TRENCH TYPE: 3 (PIPE BEDDED IN 4 INCHES (102 mm) 200 psi (1379 kPa)
   BURIAL DEPTH: 3' (0.9 m) TO TOP OF PIPE MINIMUM LOOSE SOIL. BACKFILL LIGHTLY CONSOLIDATED TO TOP OF THE PIPE.)
9. FOR SITUATIONS DIFFERING FROM THOSE SHOWN OR NOTED IN NOTE 9 CONSULT THE DESIGN ENGINEER OR EBBA IRON SALES, INC. AT 1-800-433-171 6.

GENERAL NOTES:

1. ALL WATER SERVICE - INSTALL HEAVY WEIGHT BOX COVER & LID PER STD. DWG. SHOWN ON SHEET 7.

NOTE:
HORIZONTAL BOUNDARY GEOMETRY SHOWN ON THIS SHEET IS FOR INFORMATION ONLY. SEE COUNTY RECORDED PLATS FOR LEGAL BOUNDARY INFORMATION



MASTER UTILITY PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
(IN FEET)
1 inch = 30ft.

FIRE HYDRANT NOTES:

(1) A 10' x 10' EASEMENT TO BE DEDICATED TO CITY OF ALBUQUERQUE HAS PART OF THIS DEVELOPMENT FOR THE NEW FIRE HYDRANT. INSTALL 4 FIRE HYDRANT GUARD POSTS AS PER BERNALILLO COUNTY DETAIL SHOWN ON SHEET 9.

(2) A 10' x 6' EASEMENT TO BE DEDICATED TO CITY OF ALBUQUERQUE HAS PART OF THIS DEVELOPMENT FOR THE NEW FIRE HYDRANT. INSTALL 4 FIRE HYDRANT GUARD POSTS AS PER BERNALILLO COUNTY DETAIL SHOWN ON SHEET 9.

TEES – PVC PIPE				
Nom. Pipe Size	Branch Size 6"			
	L_r=5'	L_r=10'	L_r=15'	L_r=20'
	Restrained Length L , Feet for a Specified L			
6"	43'	21'	FJO	FJO

FJO: RESTRAINT REQUIRED AT FITTING JOINT ONLY
Lr = LENGTH OF PIPE ALONG THE RUN THAT IS FREE OF JOINTS.

HORIZONTAL BENDS – PVC PIPE				
Nom. Pipe Size	Bend Angle			
	11 ?^	22? ^	45^	90^
	Restrained Length, L, Feet			
6"	3'	5'	11'	26'

REDUCER PVC PIPE		
Nominal Pipe Size	Unobstructed Straight Run Length, Feet Restrained	
	(L_S) Small Pipe Side	(L_L) Large Pipe Side
6" X 4"	OPTIONAL	33'

DEAD ENDS GATE VALVES OR END CAPS PVC PIPE	
Nom. Pipe Size	Restrained Length L
4"	46'
6"	65'

APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
1605 Blair Drive NE Albuquerque, New Mexico 87112
Office: (505) 237-1456 Facsimile: (505) 237-1458

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **MASTER UTILITY PLAN**

Design Review Committee: OCT 2 3 2003
City Engineer Approval
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5365.90	L-12	5	15

AS BUILT INFORMATION
CONTRACTOR STAR PAVING DATE 07/04
WORK STAKED BY WAYJOHN DATE 04/04
INSPECTOR'S ACCEPTANCE BY APPLIED ENGR DATE 08/04
FIELD VERIFICATION BY APPLIED ENGR DATE 08/04
DRAWINGS CORRECTED BY APPLIED ENGR DATE 09/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
SITE BENCHMARK IS AN A. C. S. MONUMENT "16-L12A"
ELEVATION=4945.073, ALUMINUM DISK SET IN THE TOP OF A CONCRETE CURB AT THE E. S. E. CURB RETURN, S.E. QUADRANT OF BRIDGE BLVD. AND SUNSET ROAD S.W, VERTICAL DATUM=N. G. V. D. =1929

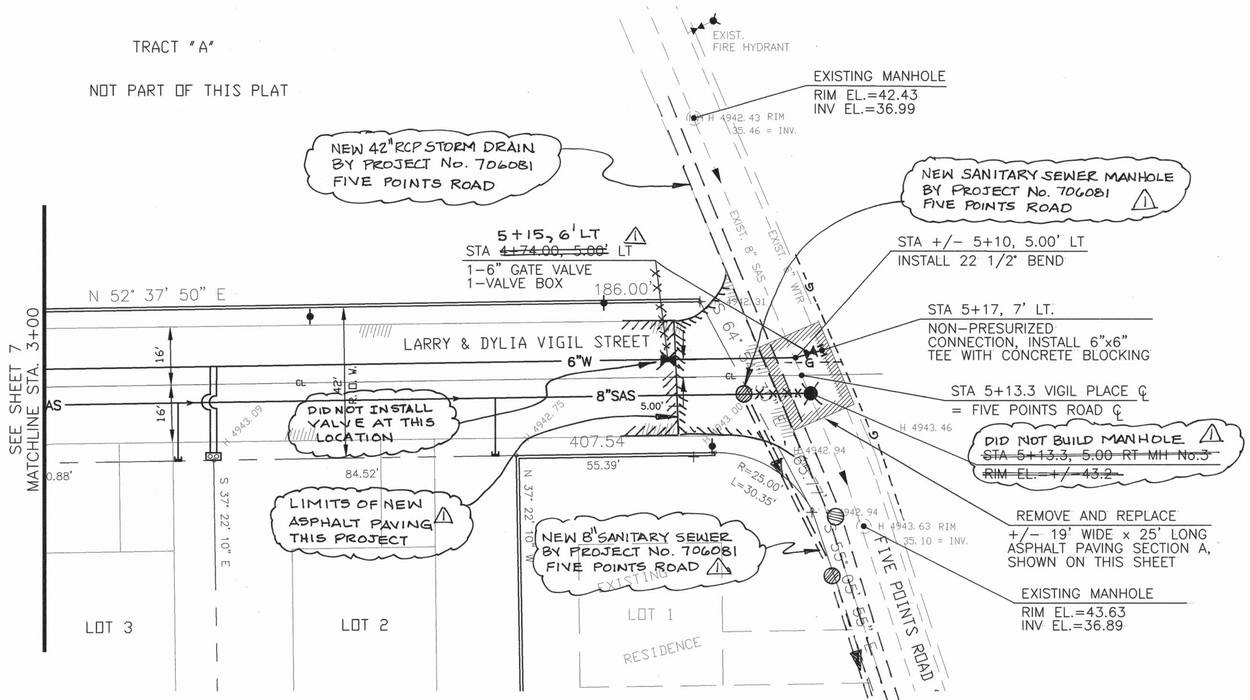
SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
ROBERT ALDAZ NEW MEXICO REGISTERED 01-02-03

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	G. ALDAZ	07-01-03
DRAWN BY		DATE
CHECKED BY	G. ALDAZ	07-01-03

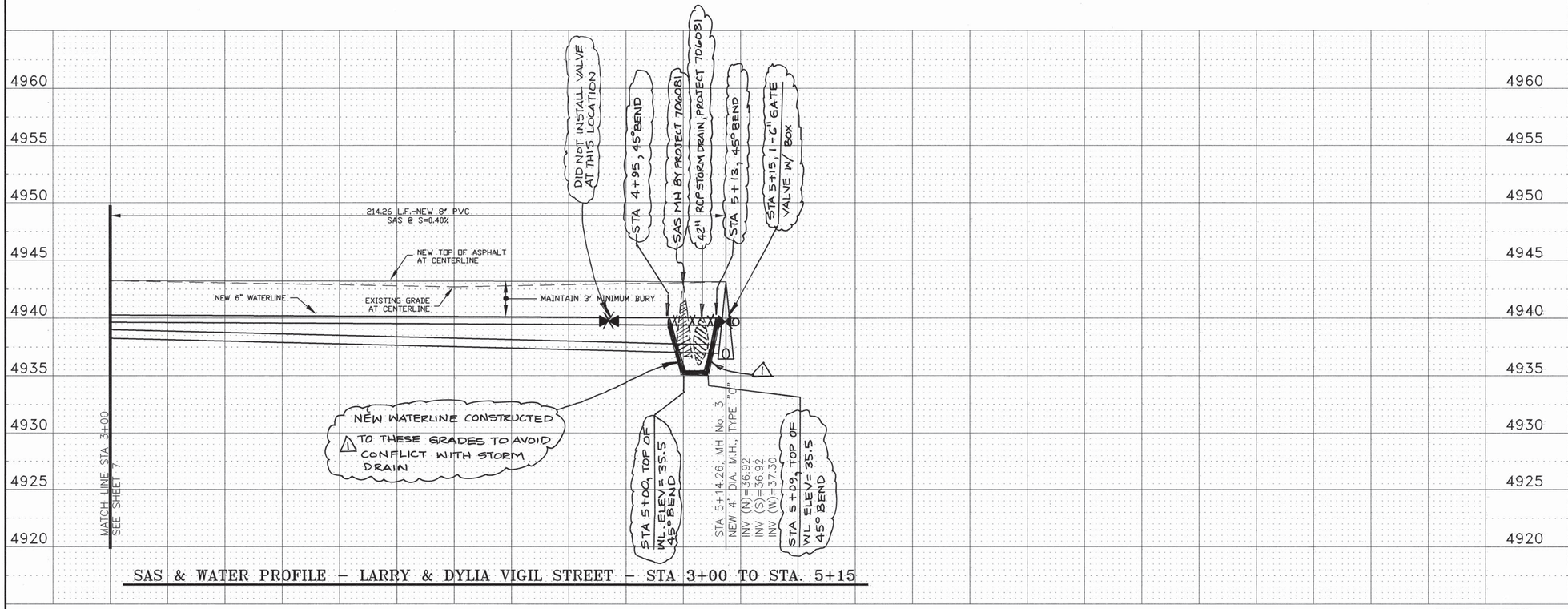


SAS & WATER PLAN – LARRY & DYLIA VIGIL STREET – STA 3+00 TO STA. 5+11

SCALE: 1" = 20'

WATER METER SERVICES		
LOT NO.	STATION	OFFSET
2	3+46.66	21' RT
3	3+46.66	21' RT

SANITARY SEWER SERVICES				
LOT NO.	STATION	OFFSET	LENGTH OF SERVICE TO STUB	INVERT AT STUB
2	4+21.18	21' RT	16'	38.83
3	3+36.66	21' RT	16'	39.16



SAS & WATER PROFILE – LARRY & DYLIA VIGIL STREET – STA 3+00 TO STA. 5+15

SCALE: 1"=20' (HORIZ)
1"=5' (VERT)

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
1400 Blair Drive NE Albuquerque, New Mexico 87112
Office: (505) 237-1456 Facsimile: (505) 237-1456

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LARRY & DYLIA VIGIL STREET
SAS & WATER PLAN & PROFILE

Design Review Committee: OCT 2 3 2003
City Engineer Approval
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5365.90 | Zone Map No. L-12 | Sheet 6 Of 15

AS BUILT INFORMATION
CONTRACTOR STAR PAVING DATE 07/01
WORK STAKED BY WAYJOHN DATE 04/04
WORK INSPECTOR ACCEPTANCE BY APPLIED ENGR. DATE 08/04
FIELD VERIFICATION BY APPLIED ENGR DATE 08/04
DRAWINGS CORRECTED BY APPLIED ENGR DATE 09/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
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DATUM=N.G.V.D.=1929

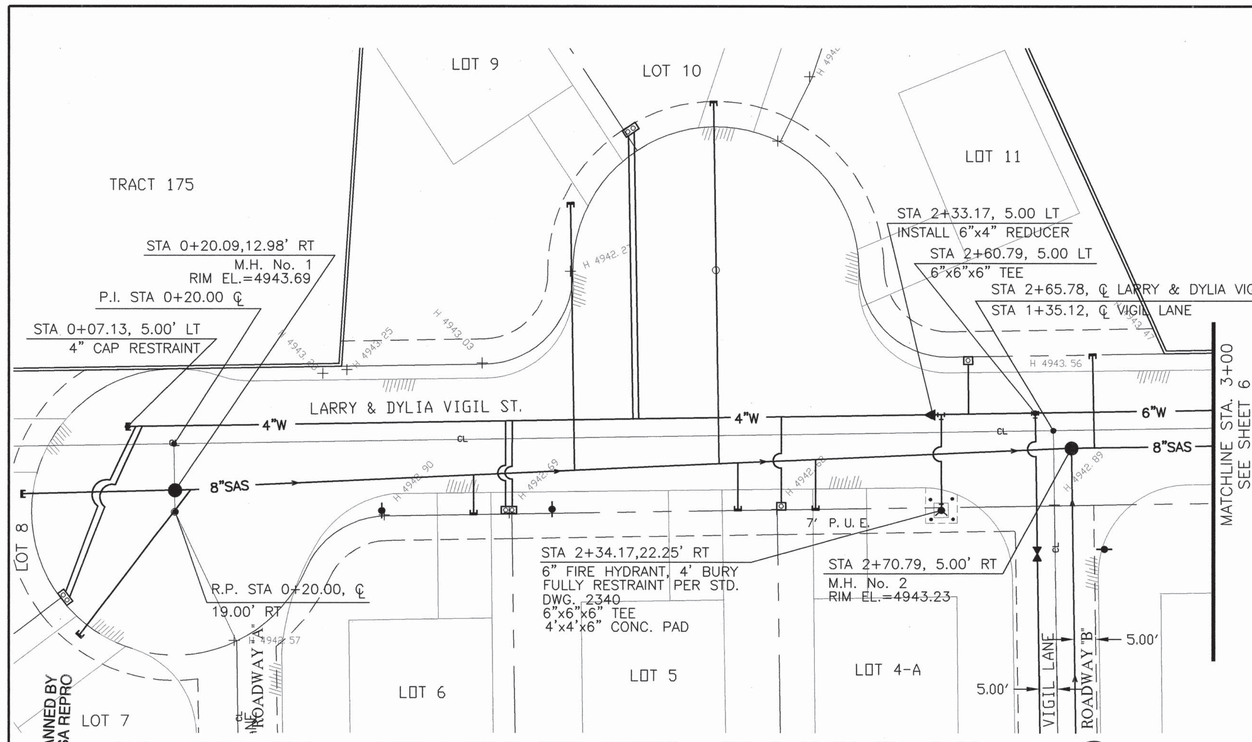
SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
GERALD ALLEN JONES NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 8894
07-07-03

NO.	DATE	REMARKS	BY
1	02/07/04	RELOCATE VALVE & DOGLEG WATERLINE UNDER STORM DRAIN, ADJUST LIMITS OF PAVING	

REVISIONS
DESIGN
DESIGNED BY G. ALDAZ DATE 07-07-03
DRAWN BY DATE
CHECKED BY G. ALDAZ DATE 07-07-03

SCANNED BY MESA REPRO



SAS & WATER PLAN – LARRY & DYLIA VIGIL STREET – STA 0+00 TO STA. 3+00

SCALE: 1" = 20'

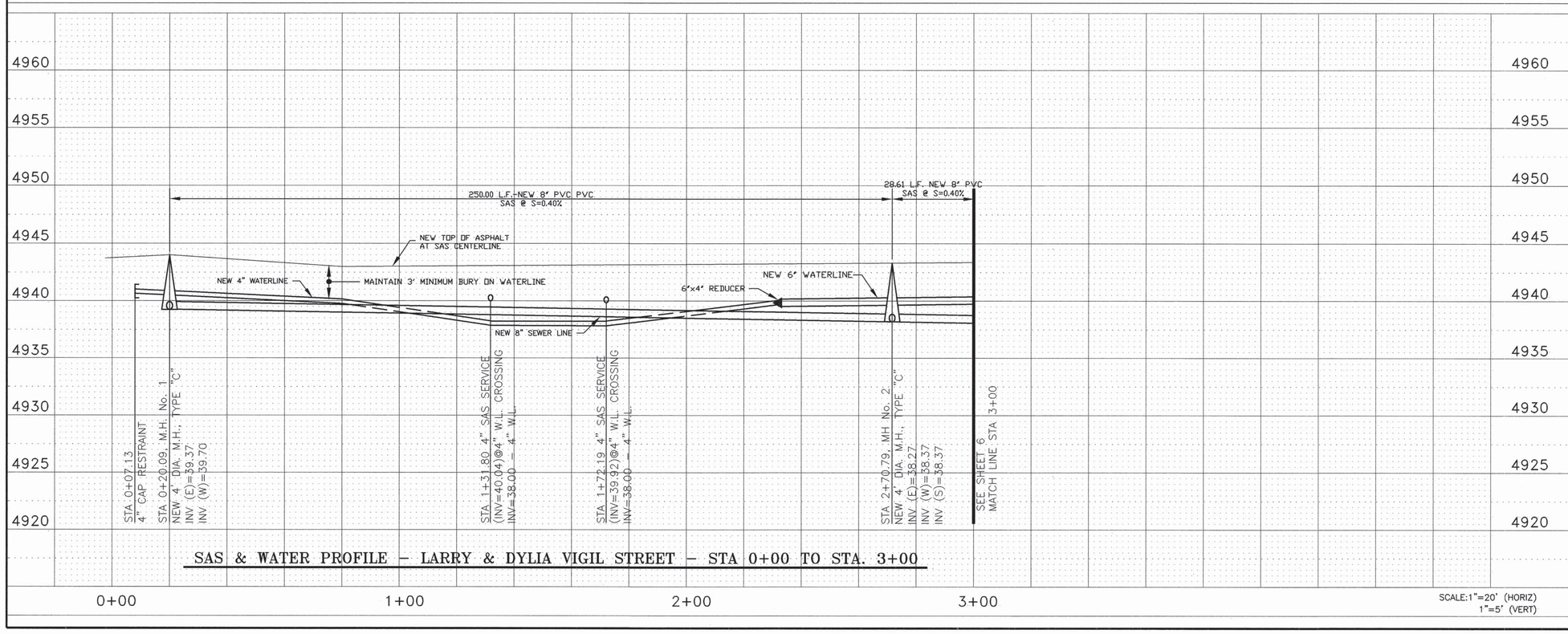
WATER METER SERVICES

LOT NO.	STATION	OFFSET TO BACK OF METER
4-A	1+88.29	21.00'RT
5	1+14.12	21.00'RT
6	1+14.12	21.00'RT
7	-0+12.27	42.64'RT
8	-0+12.27	42.64'RT
9	1+50.66	79.72'LT
10	1+50.66	79.72'LT
11	2+42.27	21.00'LT

4" SANITARY SEWER SERVICES

LOT NO.	STATION	OFFSET	LENGTH OF SERVICE TO STUB	INVERT AT STUB
4-A	1+98.29	21.00'RT	14'	39.77
5	1+78.29	21.00'RT	13'	39.99
6	1+04.12	21.00'RT	11'	40.09
**7	-0+07.16	52.92'RT	49'	40.67
*8	-0+22.54	13.34'RT	43'	40.56
9	1+31.80	65.00'LT	74.5'	41.24
10	1+72.19	92.62'LT	100.5'	41.44
11	2+77.16	21.00'LT	26'	39.49

*INSTALL SAS SERVICE INTO MANHOLE PER STANDARD DRAWING 2118.
**INSTALL 8"x4" DIRECTIONAL WYE AT SAS MAIN INTO 4" SEWER SERVICE FOR LOT 7.



SAS & WATER PROFILE – LARRY & DYLIA VIGIL STREET – STA 0+00 TO STA. 3+00

SCALE:1"=20' (HORIZ)
1"=5' (VERT)

AS BUILT INFORMATION

CONTRACTOR	STAR PAVING	DATE 07/04
WORK STAKED BY	WATSON	DATE 07/04
INSPECTOR'S ACCEPTANCE BY	APPLIED ENG.	DATE 08/04
FIELD VERIFICATION BY	APPLIED ENG.	DATE 08/04
DRAWINGS CORRECTED BY	" "	DATE 09/04
RECORDED BY		DATE
NO.		

BENCH MARKS

SITE BENCHMARK IS AN A.C.S. MONUMENT "16-L12A", ELEVATION=4945.073, ALUMINUM DISK SET IN THE TOP OF A CONCRETE CURB AT THE E.S.E. CURB RETURN, S.E. QUADRANT OF BRIDGE BLVD.AND SUNSET ROAD S.W. VERTICAL DATUM=N.G.V.D.=1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	G. ALDAZ	DATE 07-07-03
DRAWN BY		DATE
CHECKED BY	G. ALDAZ	DATE 07-07-03

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

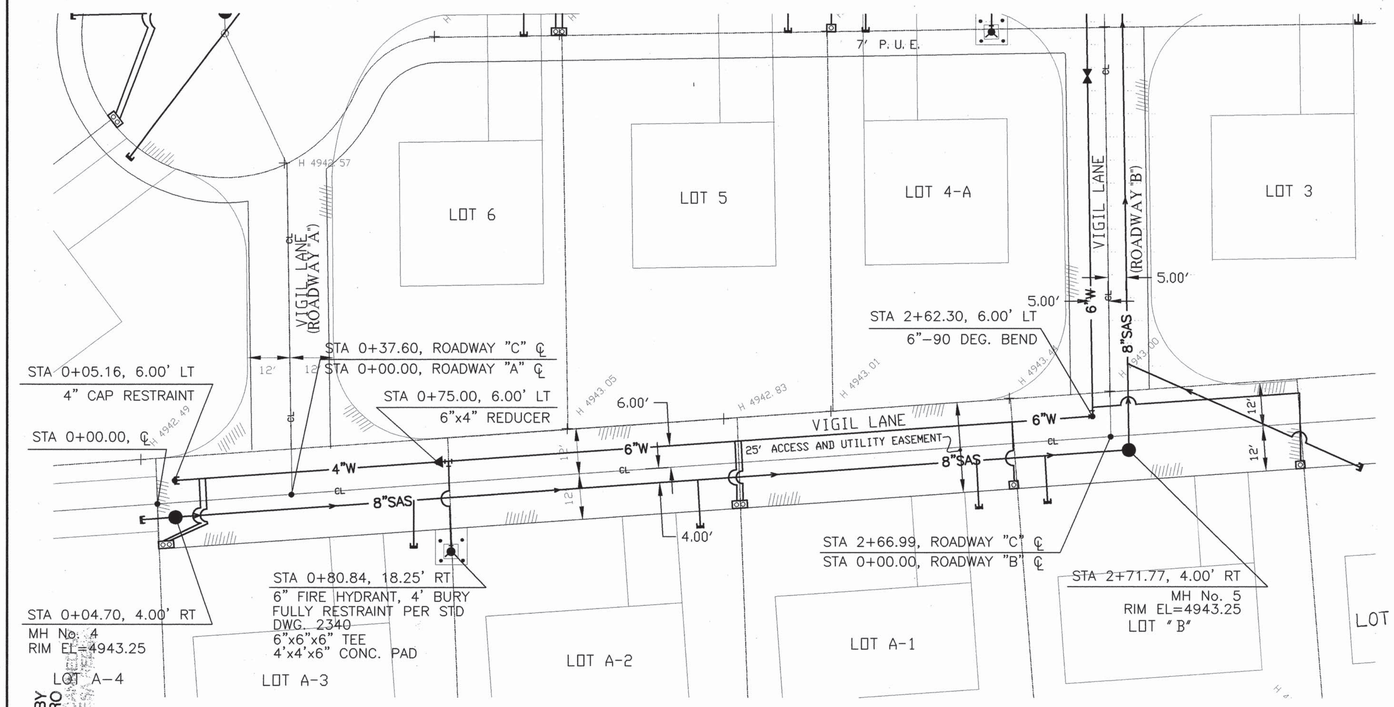
APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
1605 Blair Drive NE, Albuquerque, New Mexico 87112
Office: (505) 237-1466 Facsimile: (505) 237-1456

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LARRY & DYLIA VIGIL STREET
SAS & WATER PLAN & PROFILE

Design Review Committee: OCT 23 2003 REVIEW
City Engineer Approval
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5365.90	L-12	7	15



SAS & WATER PLAN – VIGIL LANE (ROADWAY "C")

SCALE: 1" = 20'

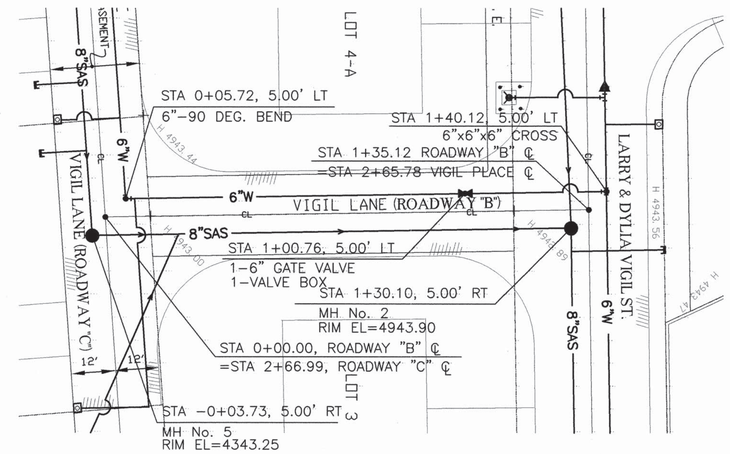
SANITARY SEWER SERVICES

LOT NO.	STATION	OFFSET	LENGTH OF SERVICE TO STUB	INVERT AT STUB
*A-4	-0+05.00	4.00' RT	10.0'	40.57
A-3	0+70.84	17' RT	13.5'	40.87
A-2	1+52.44	17' RT	13.5'	40.55
A-1	2+29.99	17' RT	13.5'	40.24
B	2+49.99	17' RT	13.5'	40.16
**C	3+35.93	13.34RT	71.0'	40.54

*INSTALL SAS SERVICE INTO MANHOLE PER STANDARD DRAWING 2118.
**INSTALL 8'x4" DIRECTIONAL WYE AT SAS MAIN INTO 4" SEWER SERVICE FOR LOT C.

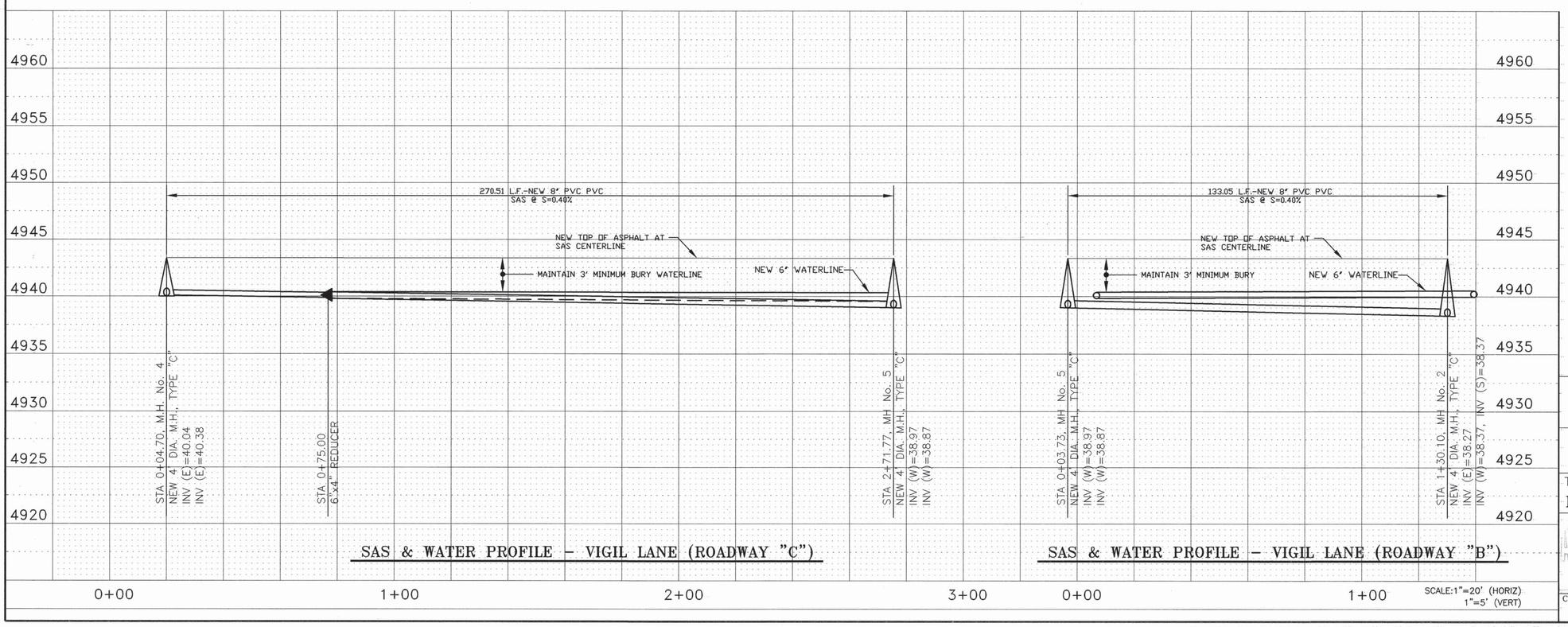
WATER METER SERVICES

LOT NO.	STATION	OFFSET TO BACK OF METER
A-4	0+01.29	12.50' RT
A-3	0+01.29	12.50' RT
A-2	1+62.44	12.50' RT
A-1	1+62.44	12.50' RT
B	2+39.99	12.50' RT
C	3+20.27	12.50' RT



SAS & WATER PLAN – VIGIL LANE (ROADWAY "B")

SCALE: 1" = 20'



SAS & WATER PROFILE – VIGIL LANE (ROADWAY "C")

SAS & WATER PROFILE – VIGIL LANE (ROADWAY "B")

SCALE: 1"=20' (HORIZ)
1"=5' (VERT)

AS BUILT INFORMATION
CONTRACTOR STAR PAVING DATE 03/04
WORK STAKED BY WAY 2010 DATE 04/04
INSPECTOR'S ACCEPTANCE BY APPLIED ENGR. DATE 03/04
FIELD VERIFICATION BY " " DATE " "
DRAWINGS CORRECTED BY " " DATE 03/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
SITE BENCHMARK IS AN A.C.S. MONUMENT "16-L12A".
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DATUM=N.G.V.D.=1929

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	G. ALDAZ	07-07-03
DRAWN BY		DATE
CHECKED BY	G. ALDAZ	07-07-03

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

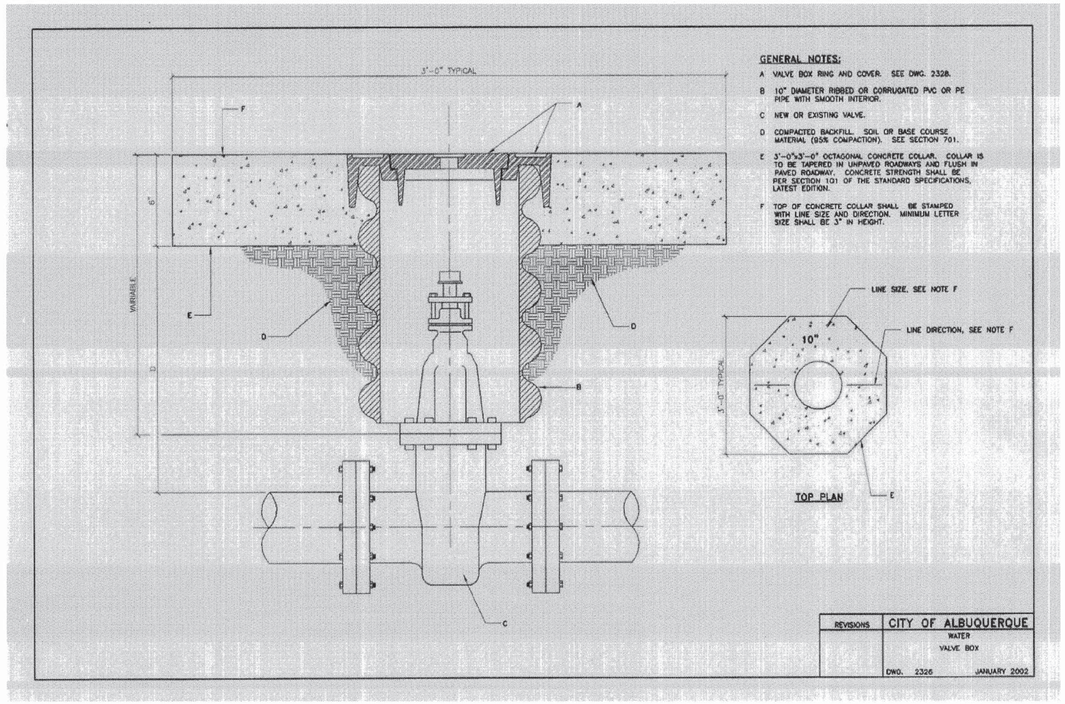
APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
1605 Blair Drive NE
Office: (505) 237-1456
Albuquerque, New Mexico 87112
Facsimile: (505) 237-1456

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VIGIL LANE ROADWAY "B" & ROADWAY "C" SAS & WATER PLAN & PROFILE

Design Review Committee: OCT 2 3 2003 REVIEW COMMITTEE
City Engineer Approval
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5365.90
Zone Map No. L-12
Sheet 8 Of 15



GENERAL NOTES:

A VALVE BOX RING AND COVER. SEE DWG. 2328.

B 10" DIAMETER RIBBED OR CORRUGATED PVC OR PE PIPE WITH SMOOTH INTERIOR.

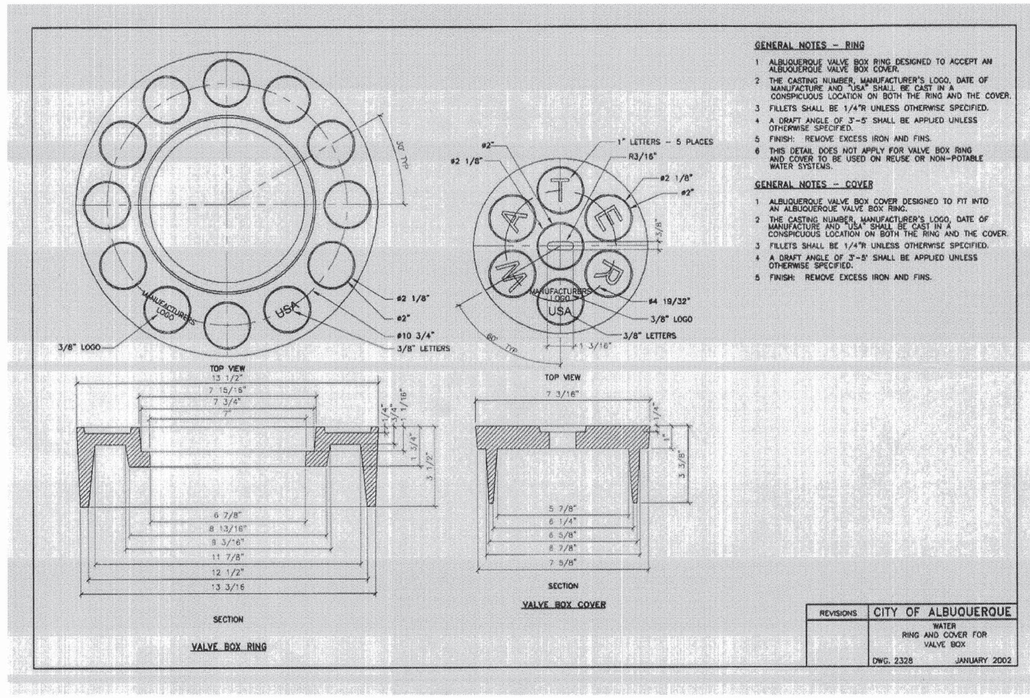
C NEW OR EXISTING VALVE.

D COMPACTED BACKFILL. SOIL OR BASE COURSE MATERIAL (95% COMPACTION). SEE SECTION 701.

E 3'-0"x3'-0" OCTAGONAL CONCRETE COLLAR. COLLAR IS TO BE TAPERED IN UNPAVED ROADWAYS AND FLUSH IN PAVED ROADWAY. CONCRETE STRENGTH SHALL BE PER SECTION 101 OF THE STANDARD SPECIFICATIONS, LATEST EDITION.

F TOP OF CONCRETE COLLAR SHALL BE STAMPED WITH LINE SIZE AND DIRECTION. MINIMUM LETTER SIZE SHALL BE 3" IN HEIGHT.

REVISIONS	CITY OF ALBUQUERQUE WATER VALVE BOX
	DWG. 2326 JANUARY 2002



GENERAL NOTES - RING

1 ALBUQUERQUE VALVE BOX RING DESIGNED TO ACCEPT AN ALBUQUERQUE VALVE BOX COVER.

2 THE CASTING NUMBER, MANUFACTURER'S LOGO, DATE OF MANUFACTURE AND "USA" SHALL BE CAST IN A CONSPICUOUS LOCATION ON BOTH THE RING AND THE COVER.

3 FILLETS SHALL BE 1/4"R UNLESS OTHERWISE SPECIFIED.

4 A DRAFT ANGLE OF 3°-5° SHALL BE APPLIED UNLESS OTHERWISE SPECIFIED.

5 FINISH: REMOVE EXCESS IRON AND FINS.

6 THIS DETAIL DOES NOT APPLY FOR VALVE BOX RING AND COVER TO BE USED ON REUSE OR NON-POTABLE WATER SYSTEMS.

GENERAL NOTES - COVER

1 ALBUQUERQUE VALVE BOX COVER DESIGNED TO FIT INTO AN ALBUQUERQUE VALVE BOX RING.

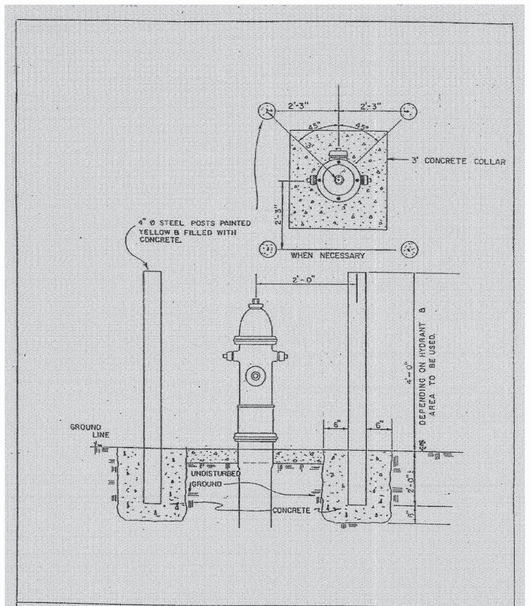
2 THE CASTING NUMBER, MANUFACTURER'S LOGO, DATE OF MANUFACTURE AND "USA" SHALL BE CAST IN A CONSPICUOUS LOCATION ON BOTH THE RING AND THE COVER.

3 FILLETS SHALL BE 1/4"R UNLESS OTHERWISE SPECIFIED.

4 A DRAFT ANGLE OF 3°-5° SHALL BE APPLIED UNLESS OTHERWISE SPECIFIED.

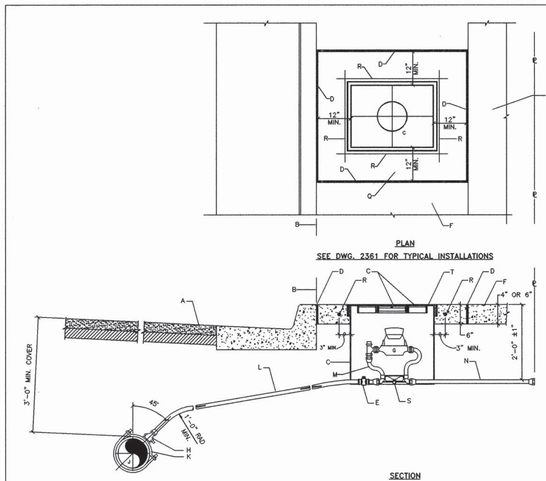
5 FINISH: REMOVE EXCESS IRON AND FINS.

REVISIONS	CITY OF ALBUQUERQUE WATER RING AND COVER FOR VALVE BOX
	DWG. 2328 JANUARY 2002



WATER SYSTEMS STANDARDS - BERNALILLO COUNTY

DRAWING NUMBER		Revision	By	Approved	Date
BCW9	FIRE HYRANT GUARD POSTS — IF USED —				



GENERAL NOTES:

1 THE METER SHALL BE SET UTILIZING A COPPER-SETTER. COPPER-SETTER HEIGHT 10" FOR 1" METER. 7" FOR 3/4" METER.

2 THE VALVE AND METER REGISTER BOX SHALL BE LOCATED UNDER THE LID OPENING. WHERE TWO METERS ARE TO BE INSTALLED IN A SINGLE METER BOX, THE METER REGISTERS SHALL BE WITHIN READING RANGE OF THE LID OPENING.

3 METER BOX LOCATION TO CONFORM TO DWG. 2361.

4 WHEN CONTRACTOR DOES NOT INSTALL METER, CONTRACTOR SHALL PROVIDE REMOVABLE PLUGS FOR END OF COPPER-SETTER.

5 EXISTING CONCRETE TO BE SAWCUT.

CONSTRUCTION NOTES:

A STREET SURFACE.

B BACK OF CURB.

C CAST IRON METER BOX, COVER AND LID. SEE DWG. 2368 OR 2369.

D 1/2" EXPANSION JOINT.

E CURB STOP. LOCATE INSIDE METER BOX.

F SIDEWALK OR DRIVEPAD.

G METER. TOP OF METER TO BE 12"-18" BELOW COVER.

H CORP STOP.

J MAIN WATER LINE.

K TAPPING SADDLE.

L COPPER SERVICE LINE.

M COPPER SETTER.

N TAILPIECE TO PROPERTY LINE WITH INSTA-TITE I.P.T. CAPPED FITTING.

Q CONCRETE PAD REQUIRED IN ALL AREAS.

R #4 REBAR CONTINUOUS ALL AROUND METER BOX.

S STABILIZER BAR. 12" LONG X 1/2" DIAMETER GALVANIZED STEEL PIPE.

T METER BOX LID SHALL BE FLUSH WITH SURROUNDING SIDEWALK.

DRAFT

REVISIONS	CITY OF ALBUQUERQUE WATER 3/4" - 1" METERED SERVICE LINE INSTALLATION
	DWG. 2362 MAR 2001

AS BUILT INFORMATION

CONTRACTOR	STAR PAVING	DATE 07/04
STAKED BY	WAYJOHN	DATE 07/03
INSPECTOR'S ACCEPTANCE BY	APPLIED ENGR.	DATE 08/04
FIELD VERIFICATION BY	" "	DATE 08/04
DRAWING CORRECTED BY	" "	DATE 07/04

MICRO-FILM INFORMATION

RECORDED BY	
DATE	
NO.	

BENCH MARKS

SITE BENCHMARK IS AN A. C. S. MONUMENT "16-L12A"
ELEVATION=4945.073 ALUMINUM DISK SET IN THE TOP OF A CONCRETE CURB AT THE E. S. E. CURB RETURN, S.E. QUADRANT OF BRIDGE BLVD. AND SUNSET ROAD S.W, VERTICAL
DATUM=N. G. V. D. =1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

08-06-03

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY G. ALDAZ DATE 07-07-03
DRAWN BY DATE
CHECKED BY G. ALDAZ DATE 07-07-03

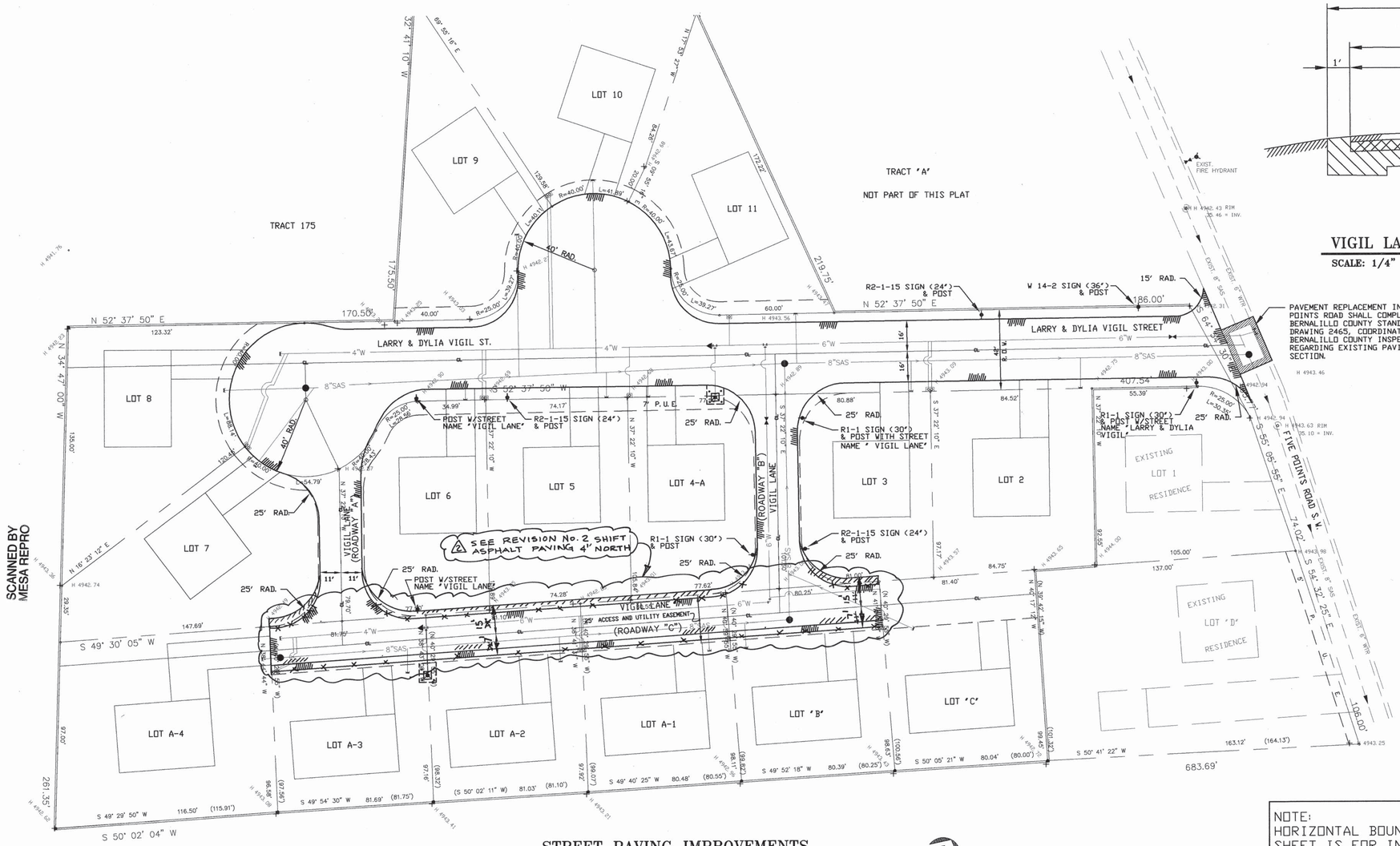
APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
1605 Blair Drive NE Albuquerque, New Mexico 87112
Office: (505) 237-1456 Facsimile: (505) 237-1456

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
MISCELLANEOUS UTILITY DETAILS

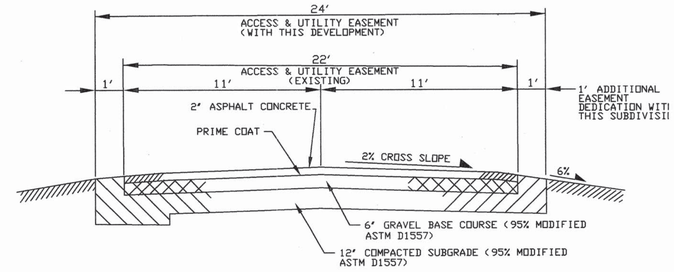
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5365.90	L-12	9	15



STREET PAVING IMPROVEMENTS

SCALE: 1" = 30'



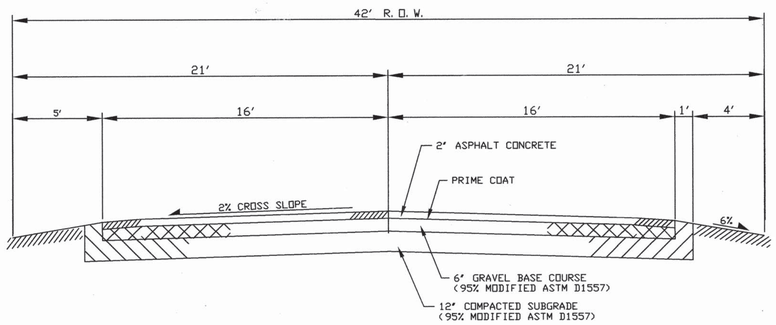
VIGIL LANE (ROADWAY "A" & "B")

SCALE: 1/4" = 1'-0'

3

NOTE:
ADDITIONAL ROADWAY EASEMENT TO BERNALILLO COUNTY WILL BE DEDICATED FOR VIGIL LANE (ROADWAY 'A' & 'B') IN ORDER TO INCREASE WIDTH FROM 22 FEET TO 24 FEET TO INCLUDE 25' RADII AT ALL RETURNS AS PART OF THIS SUBDIVISION DEVELOPMENT BY OWNER

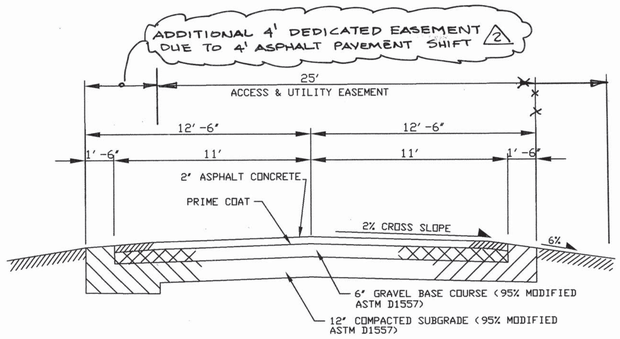
NOTE:
HORIZONTAL BOUNDARY GEOMETRY SHOWN ON THIS SHEET IS FOR INFORMATION ONLY. SEE COUNTY RECORDED PLATS FOR LEGAL BOUNDARY INFORMATION



LARRY & DYLIA VIGIL STREET SECTION

SCALE: 1/4" = 1'-0'

1



VIGIL LANE (ROADWAY "C") SECTION

SCALE: 1/4" = 1'-0'

2

GRAPHIC SCALE

30 0 30 60

(IN FEET)
1 inch = 30ft.

APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
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Facsimile: (505) 237-1456

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: MASTER STREET PAVING IMPROVEMENTS PLAN & NEW SIGNAGE

Design Review Committee: For Information Only

City Engineer Approval

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5365.90	L-12	10	15

AS BUILT INFORMATION

CONTRACTOR	STAR PAVING	DATE	07/04
WORK STAKED BY	WYATT DUNN	DATE	07/04
ACCEPTANCE BY	APPLIED ENG.	DATE	08/04
FIELD VERIFICATION BY	" "	DATE	"
DRAWINGS CORRECTED BY	" "	DATE	07/04

BENCH MARKS

SITE BENCHMARK IS AN A.C.S. MONUMENT "16-L12A".
ELEVATION=4945.073 ALUMINUM DISK SET IN THE TOP OF A CONCRETE CURB AT THE E.S.E. CURB RETURN, S.E. QUADRANT OF BRIDGE BLVD. AND SUNSET ROAD S.W.

MICRO-FILM INFORMATION

RECORDED BY: DATE:
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

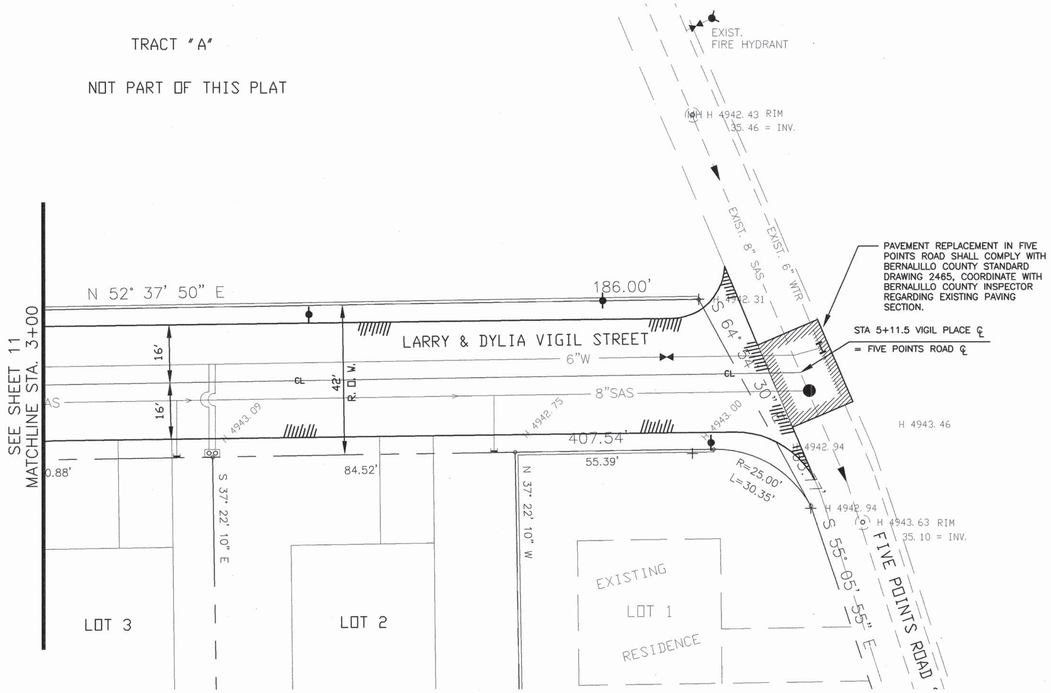
ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER — GILBERT ALDAZ — NEW MEXICO — 09/15/2004

NO.	DATE	REMARKS	BY
2	07/04	SHIFTED ASPHALT PAVEMENT 4' NORTH TO AVOID PNM UTILITIES, ~~AND~~ DEDICATED 4' EASEMENT	

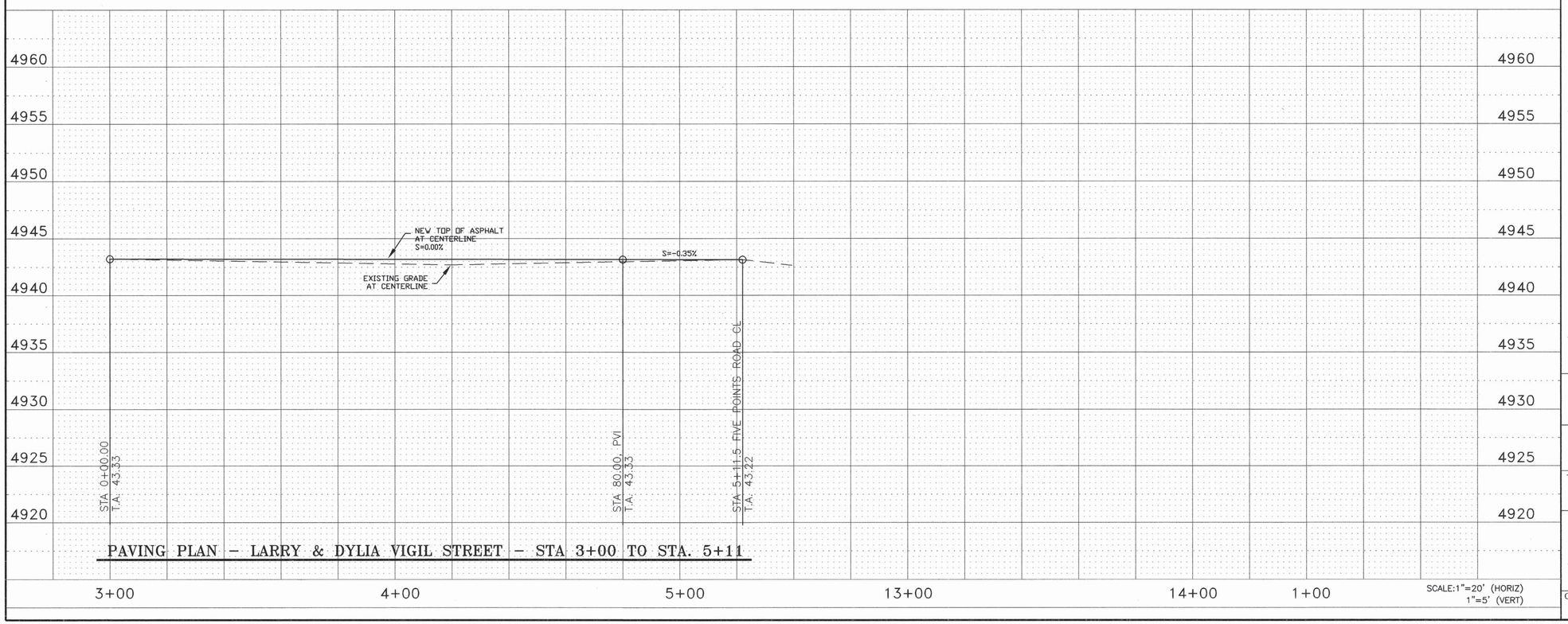
REVISIONS

DESIGN		
DESIGNED BY	A.E.S.	DATE 08/00
DRAWN BY	A.E.S.	DATE 08/00
CHECKED BY	A.E.S.	DATE 08/00



PAVING PLAN – LARRY & DYLIA VIGIL STREET – STA 3+00 TO STA. 5+11

SCALE: 1" = 20'



PAVING PLAN – LARRY & DYLIA VIGIL STREET – STA 3+00 TO STA. 5+11

SCANNED BY MESA REPRO

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
1605 Blair Drive NE
Office: (505) 2237-1406
Albuquerque, New Mexico 87112
Facsimile: (505) 237-1406

AS BUILT INFORMATION

CONTRACTOR	STAR PAVING	DATE 9/04
WORK STAKED BY	WAYZO INC	DATE 10/04
INSPECTIONS ACCEPTANCE BY	APPLIED ENGR.	DATE 08/04
FIELD VERIFICATION BY	" "	DATE "
DRAWINGS CORRECTED BY	" "	DATE "
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

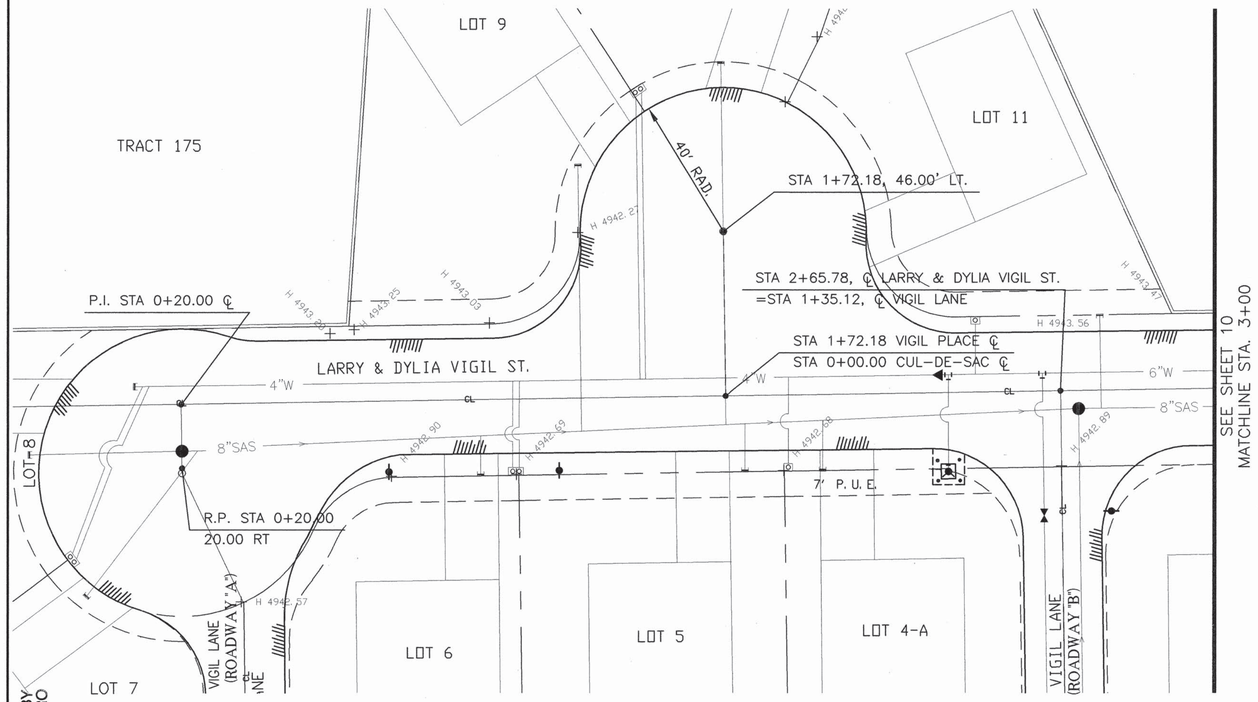
DESIGNED BY	G. ALDAZ	DATE 07-07-03
DRAWN BY		DATE
CHECKED BY	G. ALDAZ	DATE 07-07-03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LARRY & DYLIA VIGIL STREET PAVING PLAN & PROFILE

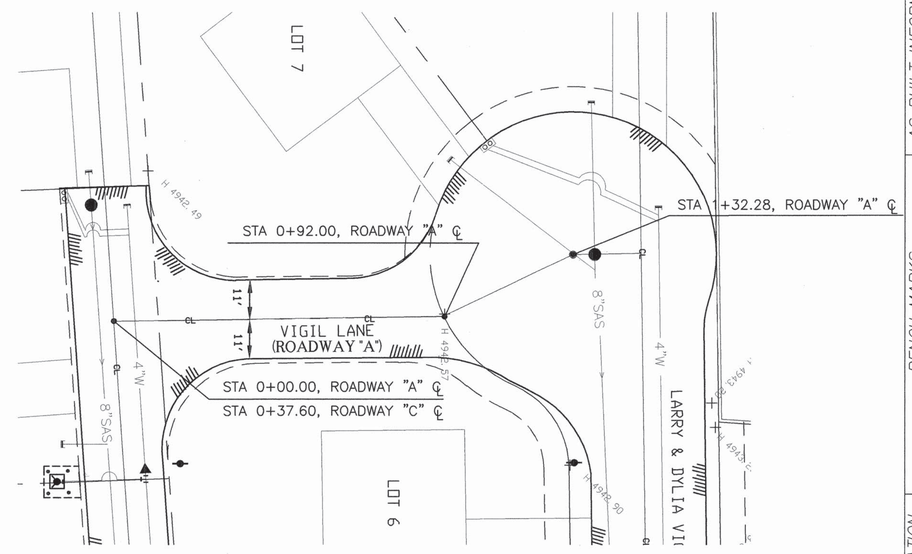
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
For Information Only				

City Project No.	Zone Map No.	Sheet	Of
5365.90	L-12	11	15



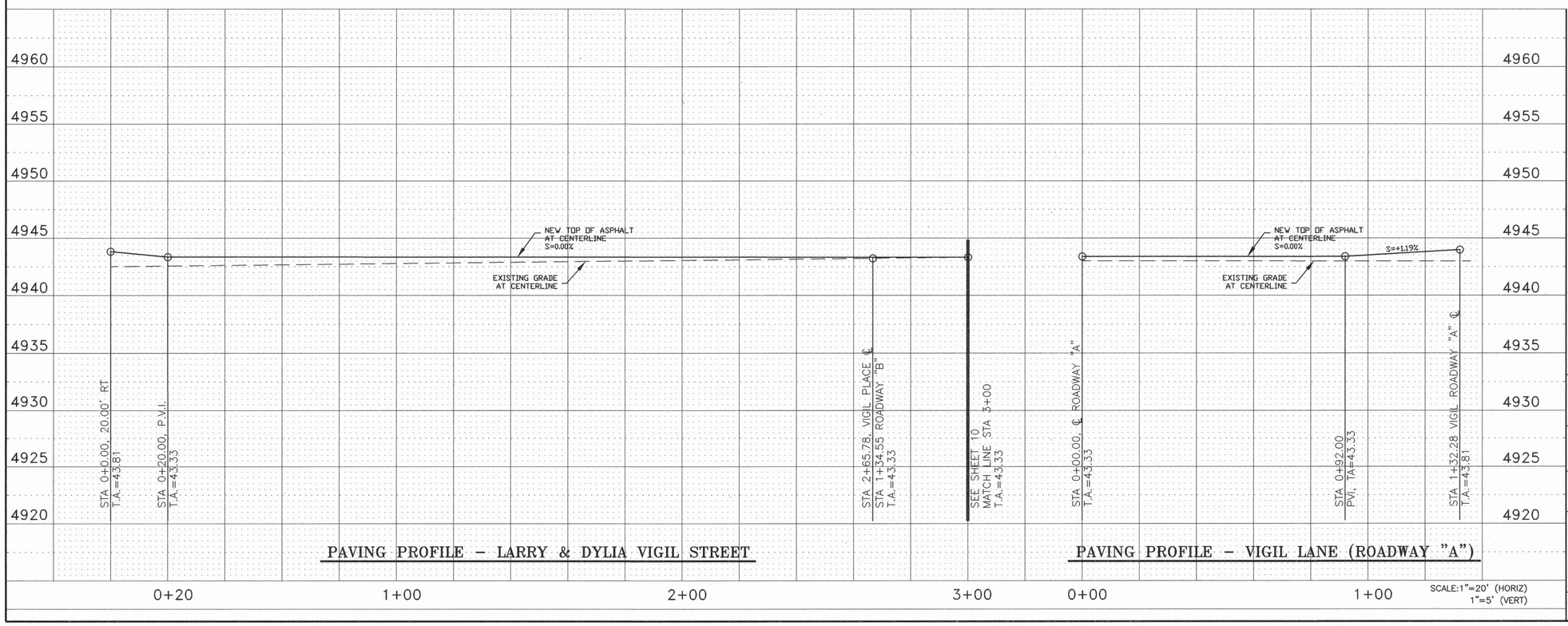
PAVING PLAN – LARRY & DYLIA VIGIL STREET

SCALE: 1" = 20'



PAVING PLAN – VIGIL LANE (ROADWAY "A")

SCALE: 1" = 20'



PAVING PROFILE – LARRY & DYLIA VIGIL STREET

PAVING PROFILE – VIGIL LANE (ROADWAY "A")

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LARRY & DYLIA VIGIL STREET & VIGIL LANE (ROADWAY "A") PLAN & PROFILE

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

City Project No.	Zone Map No.	Sheet	Of
5365.90	L-12	12	15

AS BUILT INFORMATION

CONTRACTOR	STAR PAVING	DATE 09/04
WORK STAKED BY	WAYJOHN	DATE 09/04
INSPECTOR'S ACCEPTANCE BY	APPLIED ENGR.	DATE 09/04
VERIFICATION BY	" "	DATE 09/04
DRAWINGS CORRECTED BY	" "	DATE 09/04
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

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DATUM=N.G.V.D.=1929

SURVEY INFORMATION

FIELD NOTES

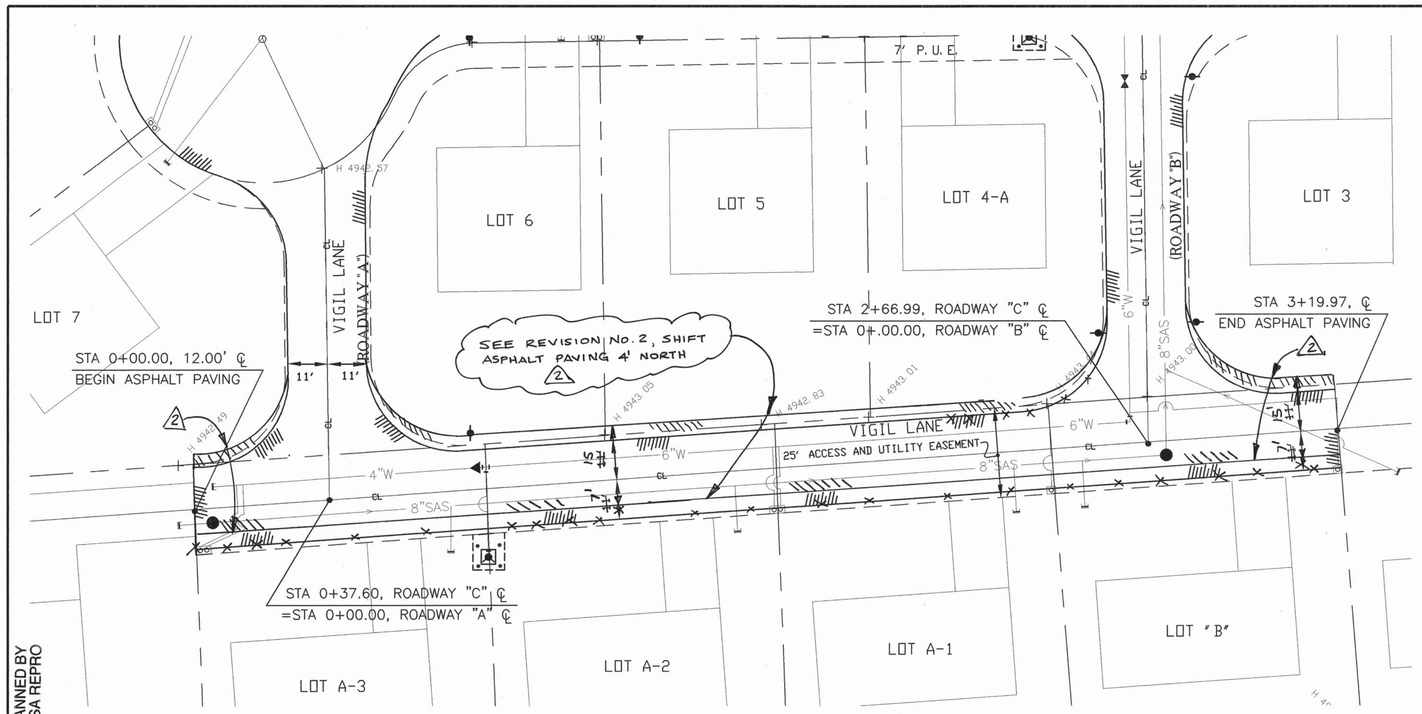
NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

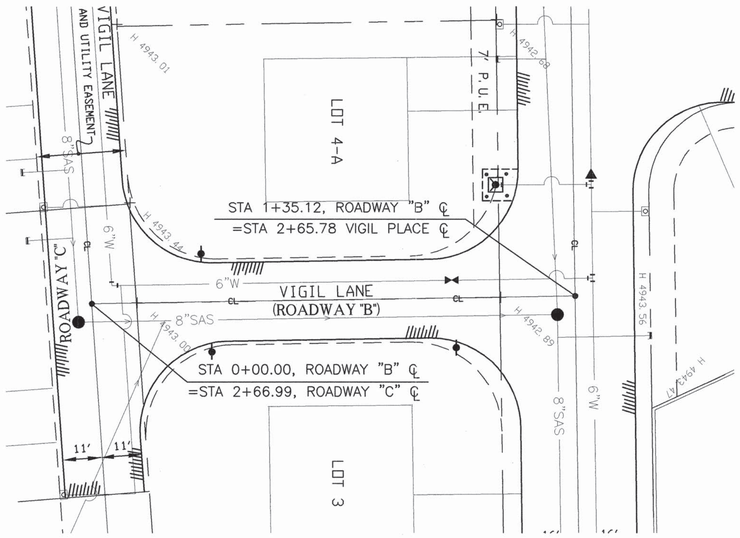
REVISIONS

		DATE
DESIGNED BY	G. ALDAZ	07-07-03
DRAWN BY		DATE
CHECKED BY	G. ALDAZ	07-07-03



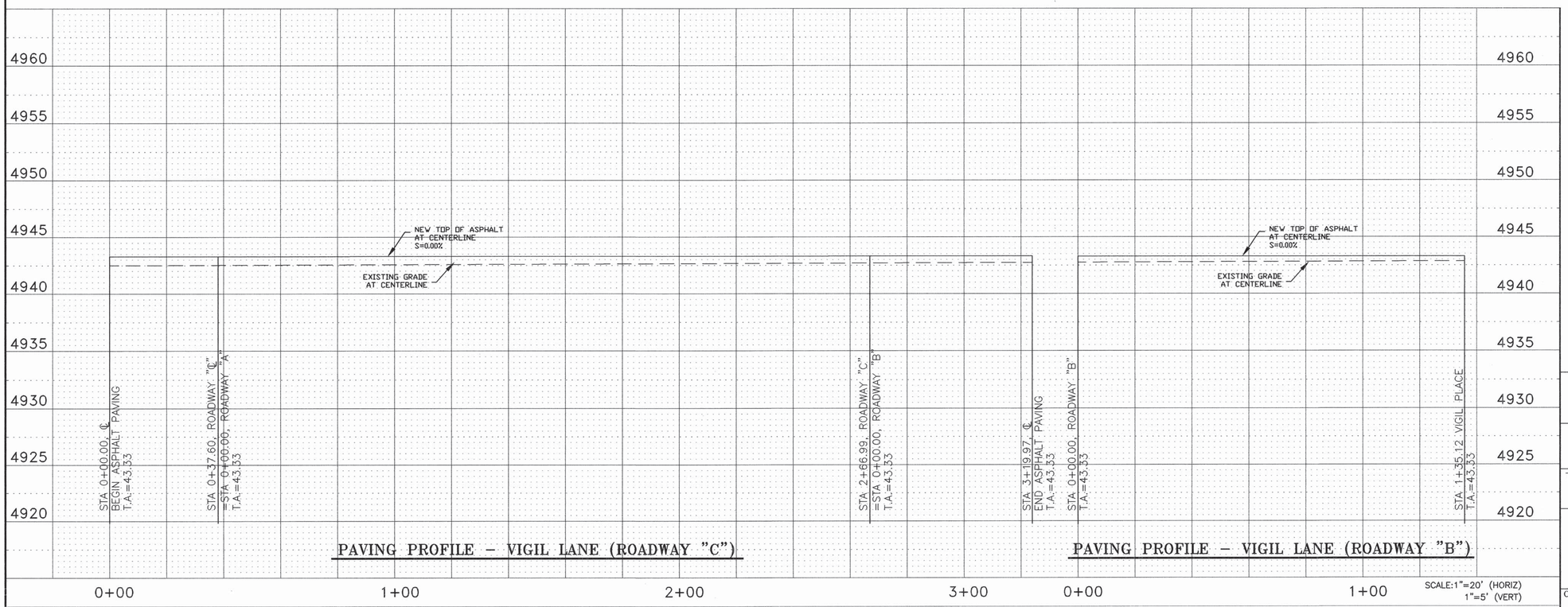
PAVING PLAN – VIGIL LANE (ROADWAY "C")

SCALE: 1" = 20'



PAVING PLAN – VIGIL LANE (ROADWAY "B")

SCALE: 1" = 20'



PAVING PROFILE – VIGIL LANE (ROADWAY "C")

PAVING PROFILE – VIGIL LANE (ROADWAY "B")

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

APPLIED ENGINEERING AND SURVEYING, INC.
ENGINEERS AND PLANNERS
1605 Bldor Drive NE Albuquerque, New Mexico 87112
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VIGIL LANE (ROADWAY "B" & ROADWAY "C") PAVING PLAN & PROFILE

Design Review Committee: For Information Only

City Engineer Approval

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5365.90 | Zone Map No. L-12 | Sheet 13 Of 15

AS BUILT INFORMATION

CONTRACTOR STAR PAVING DATE 07/04
WORK STAKED BY YAN-JOHN DATE 07/04
INSPECTOR'S ACCEPTANCE BY APPLIED ENGR. DATE 07/04
FIELD VERIFICATION BY APPLIED ENGR DATE 07/04
DRAWINGS CORRECTED BY " " DATE 07/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SITE BENCHMARK IS AN A.C.S. MONUMENT "16-L12A", ELEVATION=4945.073, ALUMINUM DISK SET IN THE TOP OF A CONCRETE CURB AT THE E.S.E. CURB RETURN, S.E. QUADRANT OF BRIDGE BLVD. AND SUNSET ROAD S.W. VERTICAL DATUM=N.G.V.D.=1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	07/04	SHIFTED ASPHALT PAVEMENT 4' NORTH TO AVOID PNM UTILITIES, DEDICATED ADDT. 4' EASEMENT	

REVISIONS

DESIGN

DESIGNED BY G. ALDAZ DATE 07-07-03
DRAWN BY DATE
CHECKED BY G. ALDAZ DATE 07-07-03

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. PROJECT IS SUBJECT TO THE REQUIREMENTS OF COUNTY ORDINANCE NO. 95–12 AND COUNTY ORDINANCE NO. 96–3. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY. CONTRACTOR SHALL CALL 848–1504 FOR MORE INFORMATION.

2. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE COUNTY TRAFFIC CONTROL ADMINISTRATOR AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK. TRAFFIC CONTROL PLANS SHALL BE PREPARED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION AND BY CERTIFIED PERSONNEL AND MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK ON THE PROJECT. CALL 848–1504 FOR FURTHER INFORMATION.

3. A DAILY TRAFFIC CONTROL LOG SHALL BE MAINTAINED BY THE CONTRACTOR REFLECTING THE TYPES AND LOCATIONS OF ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, ETC. BEING USED ON THE PROJECT IN COMPLIANCE WITH THE APPROVED TRAFFIC CONTROL PLAN. THIS LOG SHALL BE SUBMITTED TO THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR UPON COMPLETION OF THE PROJECT CONSTRUCTION OR WHEN SO REQUESTED BY THE PROJECT MANAGER OR THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR.

4. CONTRACTOR SHALL PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO BERNALILLO COUNTY PUBLIC WORKS DIVISION ATTN: PROJECT MANAGER

5. THE CONTRACTOR SHALL FILE A WEEKLY WRITTEN REPORT TO THE TRAFFIC CONTROL ADMINISTRATOR DESCRIBING THE TRAFFIC CONTROL PLAN THAT WILL BE IN EFFECT FOR THE FOLLOWING WEEK.

6. SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMAN AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC AT ALL TIMES, EXCEPT WHEN GRADING, EXCAVATION AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF THE PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 4 HOURS WITHOUT APPROVAL BY THE COUNTY.

7. TRAFFIC LANES PROVIDED DURING CONSTRUCTION SHALL BE MAINTAINED, IN SUCH A CONDITION UNDER ALL WEATHER CONDITIONS, SO AS TO PERMIT THE REASONABLE PASSAGE OF PASSENGER VEHICLES, AND SHALL BE KEPT GRADED AND SMOOTH, AND WATERED SEVERAL TIMES DAILY TO CONTROL DUST.

8. TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

9. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY BERNALILLO COUNTY TRAFFIC ENGINEERING.

10. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF THE COUNTY TRAFFIC CONTROL ADMINISTRATOR, PER SECTION 6A–4 OF THE MUTCD, LATEST EDITION.

11. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET–UP FOR EACH PHASE SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

12. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

13. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI–LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

14. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY BERNALILLO COUNTY TRAFFIC ENGINEERING PER MUTCD SECTION 6A–4.

15. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.

16. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON–WORKING HOURS WITHOUT THE APPROVAL OF BERNALILLO COUNTY TRAFFIC ENGINEERING.

17. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

18. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

19. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

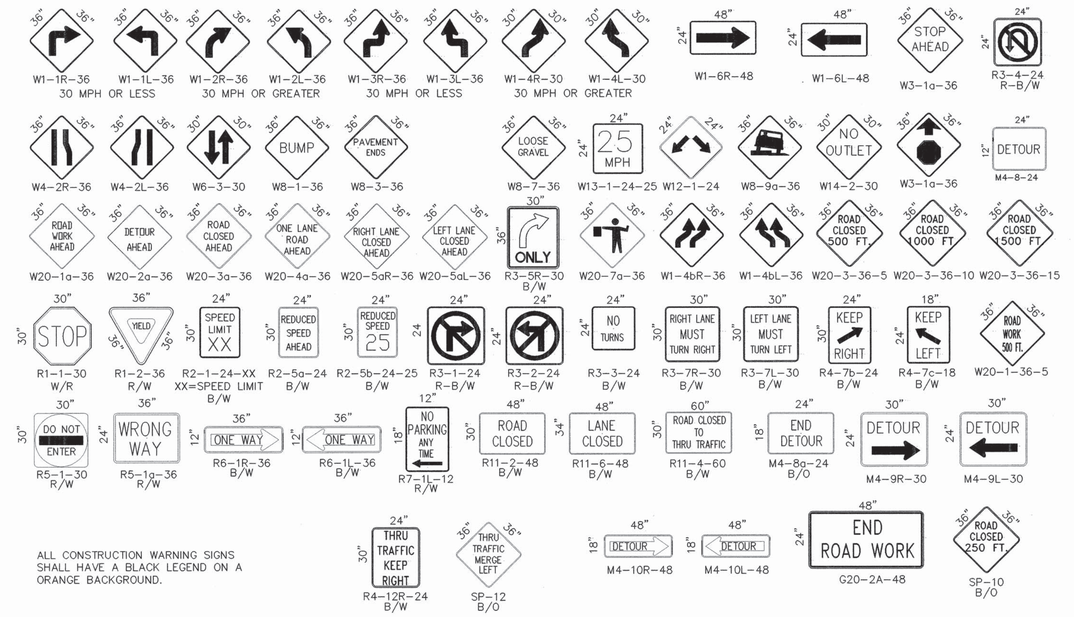
20. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF BERNALILLO COUNTY TRAFFIC ENGINEERING. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE LETTERING ON BLUE BACKGROUND. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

21. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT–OF–WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

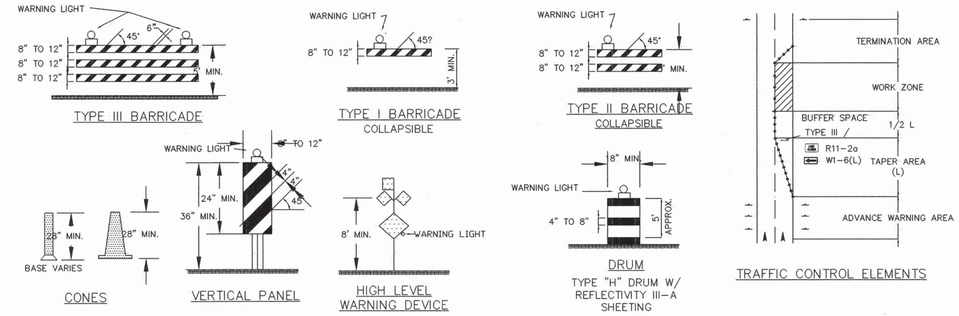
22. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY BERNALILLO COUNTY TRAFFIC ENGINEERING.

23. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET, SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.



LEGEND

- WORK AREA
- • BARRICADE – TYPE I, TYPE II, OR TYPE "H" DRUM W/ REFLECTIVITY III–A SHEETING
- BARRICADE – TYPE III
- X VERTICAL PANEL
- WARNING SIGN
- D DISTANCE BETWEEN SIGNS – A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- S SPACING BETWEEN BARRICADES– A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- L TAPER LENGTH – SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

BERN. COUNTY STD.

NO.	DESCRIPTION	DATE	BY

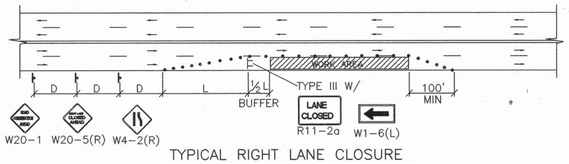
REVISIONS

COUNTY OF BERNALILLO

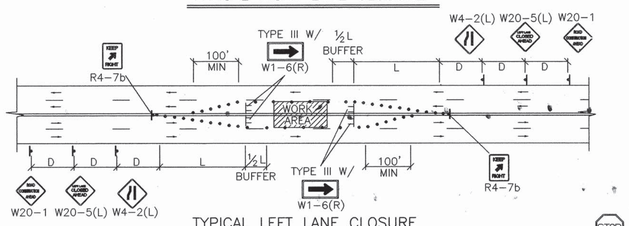
LARRY VIGIL SUBD.
SIGNING & CONSTRUCTION TRAFFIC CONTROL STANDARDS

PROJECT NO.	DRAWN: XXX	DATE: 05–30–03
5365.90	CHECKED: XXX	SCALE:

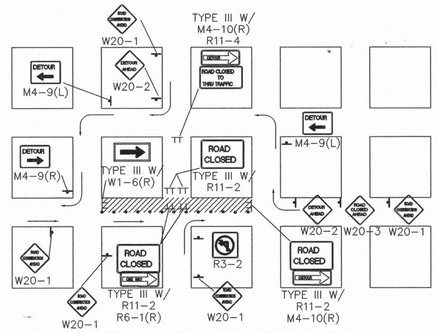
ENGR. FILE : XXXXXX



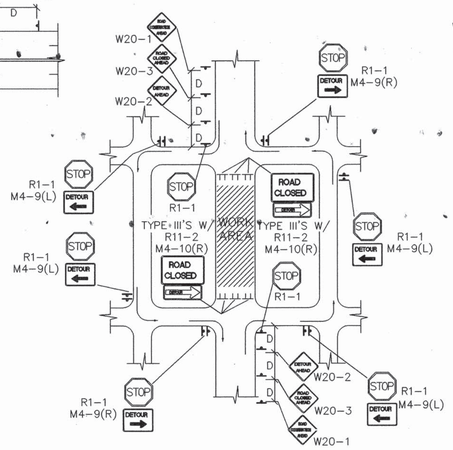
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE



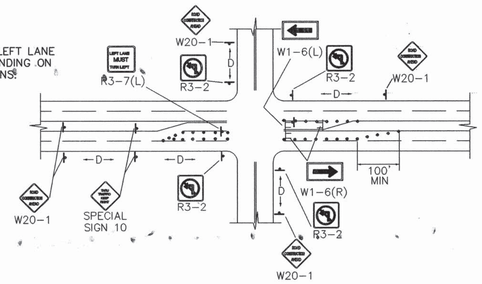
TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

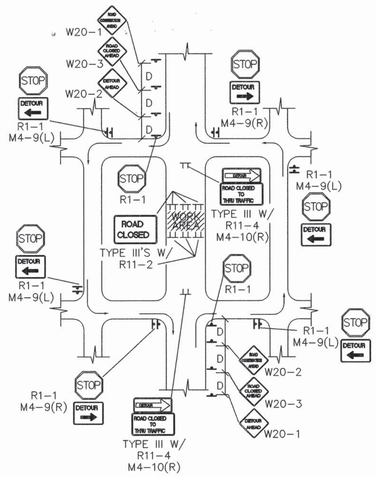
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.



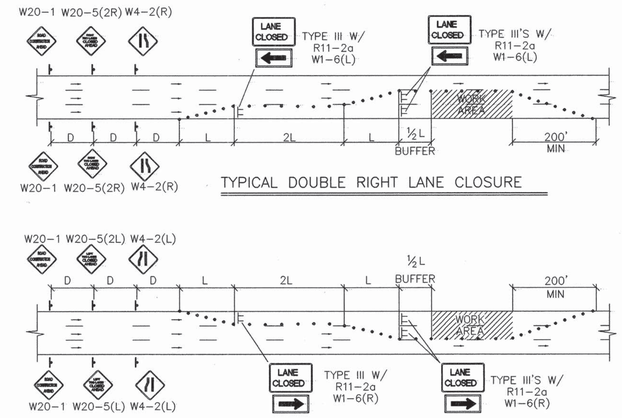
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



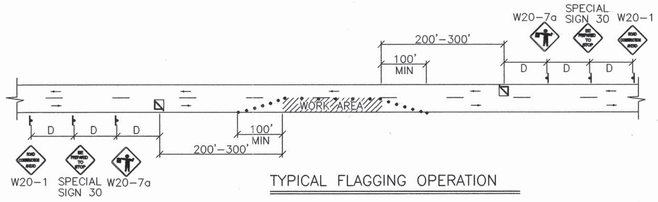
TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

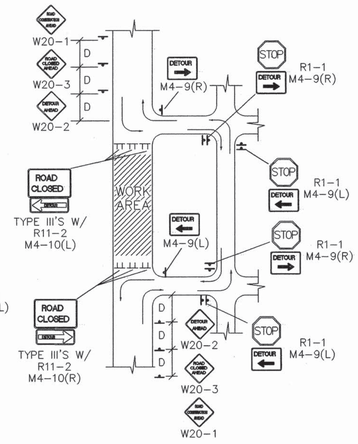


TYPICAL DOUBLE RIGHT LANE CLOSURE

TYPICAL DOUBLE LEFT LANE CLOSURE

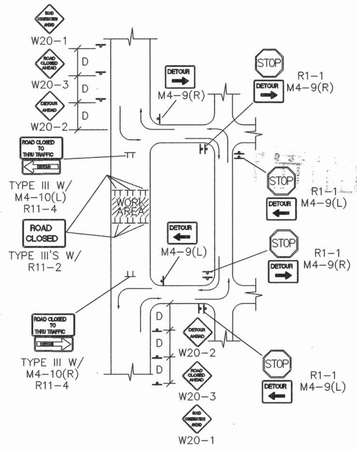


TYPICAL FLAGGING OPERATION



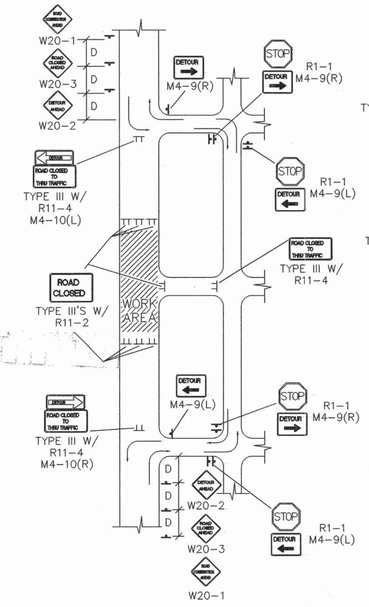
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



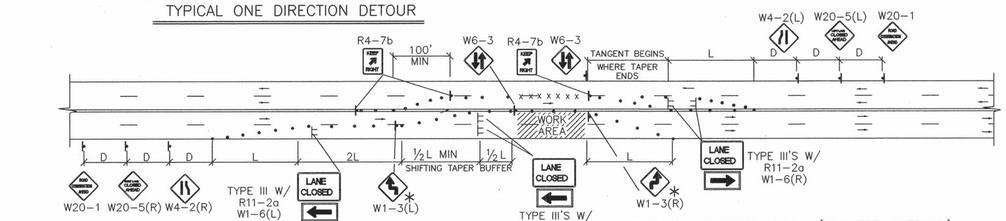
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

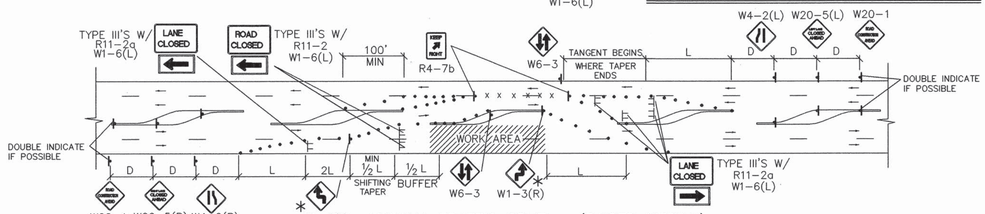


TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



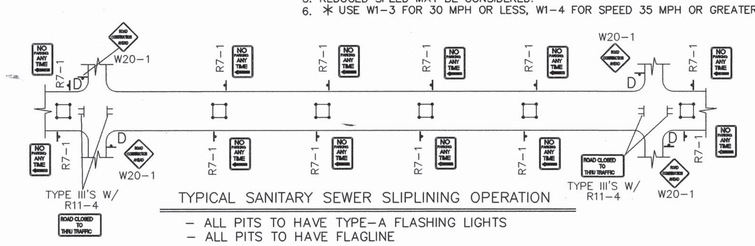
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT – (RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



TYPICAL SANITARY SEWER SLIPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

⚠ ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

SCANNED BY MESA REPRO

AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR'S NOTIFICATION BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

SITE BENCHMARK IS AN A.C.S. MONUMENT "16-L12A",
ELEVATION=4945.073, ALUMINUM DISK SET IN THE TOP OF A CONCRETE CURB AT THE E.S.E. CURB RETURN, S.E. QUADRANT OF BRIDGE BLVD.AND SUNSET ROAD S.W. VERTICAL DATUM=N.G.V.D.=1929

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

C.O.A. Standard

NO.	DATE	REMARKS	BY
1	9/24/97	REVISED GENERAL NOTE	J.D.L.

REVISIONS

DESIGN	DATE 5-97	
DESIGNED BY	BOHANNAN HUSTON	
DRAWN BY	BOHANNAN HUSTON	DATE 5-97
CHECKED BY	BOHANNAN HUSTON	DATE 5-97

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
X	X			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5365.90	L-12	15	15

[BHI-MAIN\PROJECTS\97177\TRANS\DESIGN\SIGNAL]CITYTRAF.DWG

CITYTRAF.DWG 6-11-97