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

SCANNED BY PLANNING

ALL SAS PIPE SDR-35
ALL PVC WATER PIPE C-900

CONSTRUCTION PLANS FOR

EL MESQUITE MARKET ROADWAY IMPROVEMENTS

ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MARCH 2007

INDEX TO DRAWINGS

1. TITLE SHEET
2. PLAT
3. CENTRAL AVE NW AND 98TH ST NW DEMOLITION PLAN
4. CENTRAL AVE NW PLAN AND PROFILE
5. 98TH STREET NW PLAN AND PROFILE
6. 98TH ST NW AND CENTRAL AVE NW PAVING SECTIONS
7. MASTER UTILITY PLAN
8. CENTRAL AVE SAS AND WATERLINE PLAN AND PROFILE
9. STORM DRAINAGE IMPROVEMENTS
10. SIGNALIZATION PLAN

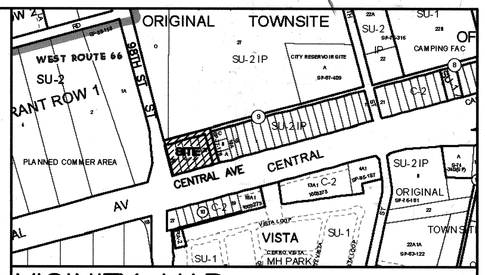
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannan, of the firm of Tierra West LLC, 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 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 with survey information provided by DAVID VIGIL, NMPLS# 8811.

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER
7-10-07

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
Paul Ohm
DATE: 02-06-2007

RECORD DRAWING



VICINITY MAP

K-9

SCALE NONE

NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #7)

2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260–1990) FOR LOCATION OF EXISTING UTILITIES.

3. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24–HOUR CONSTRUCTION.

4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924–3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.

6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.

7. 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. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE CONTRACTORS EXPENSE.

8. CONTRACTOR SHALL MAINTAIN A GRAFFITI–FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

9. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

10. THE WATER SYSTEMS DIVISION (857–8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF THE STANDARD SPECIFICATIONS.

11. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

12. ELECTRONIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7.

13. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY COA.

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.
- [x] TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE PROJECT ENGINEER.
- [x] SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- [x] IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- [x] ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

DRB # 1004354

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858–3100

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
1	ALL	AS-BUILT					

ENGINERS STAMP & SIGNATURE

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER
5/30/07

RONALD R. BOHANNAN
P.E. #7868

APPROVALS	ENGINEER	DATE
DRC Chairman	D Woodall	7/10/07
Transportation	[illegible]	4/3/07
Water/Wastewater	William P. Backlet	3/13/07
Hydrology	Bradley L. Brigham	3/12/07
AMAFCA		
Constr. Mngmt.		
Constr. Coord.		

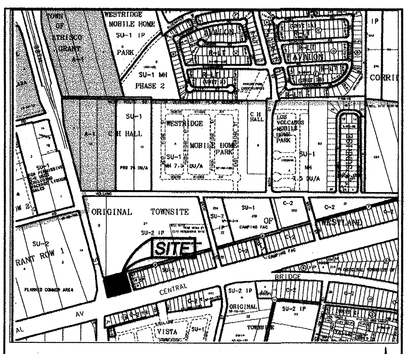
APPROVED FOR CONSTRUCTION

Rachel L. Quick 7-18-07
City Engineer Date

CITY PROJECT NO.
790382

SHEET
1 OF 10

SCANNED BY PLANNING


ORIGINAL TOWNSITE
SITE
CENTRAL
VISTA
SU-1 IP
SU-1 MH PHASE 2
SU-1 PRD 24 DU/A
SU-1 7.5 DU/A
SU-1 4.5 DU/A
C-2
SU-2 IP
SU-2 MH
SU-2 MH/IP
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SU-1 MH/IP/SU-2

SCANNED BY PLANNING

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannan , of the firm of Tierra West LLC, 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 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 with survey information provided by DAVID VIGIL NMPLS# 8711 .

Professional Engineer Stamp — RONALD R. BOHANNAN — NEW MEXICO — 7698 — PROFESSIONAL ENGINEER

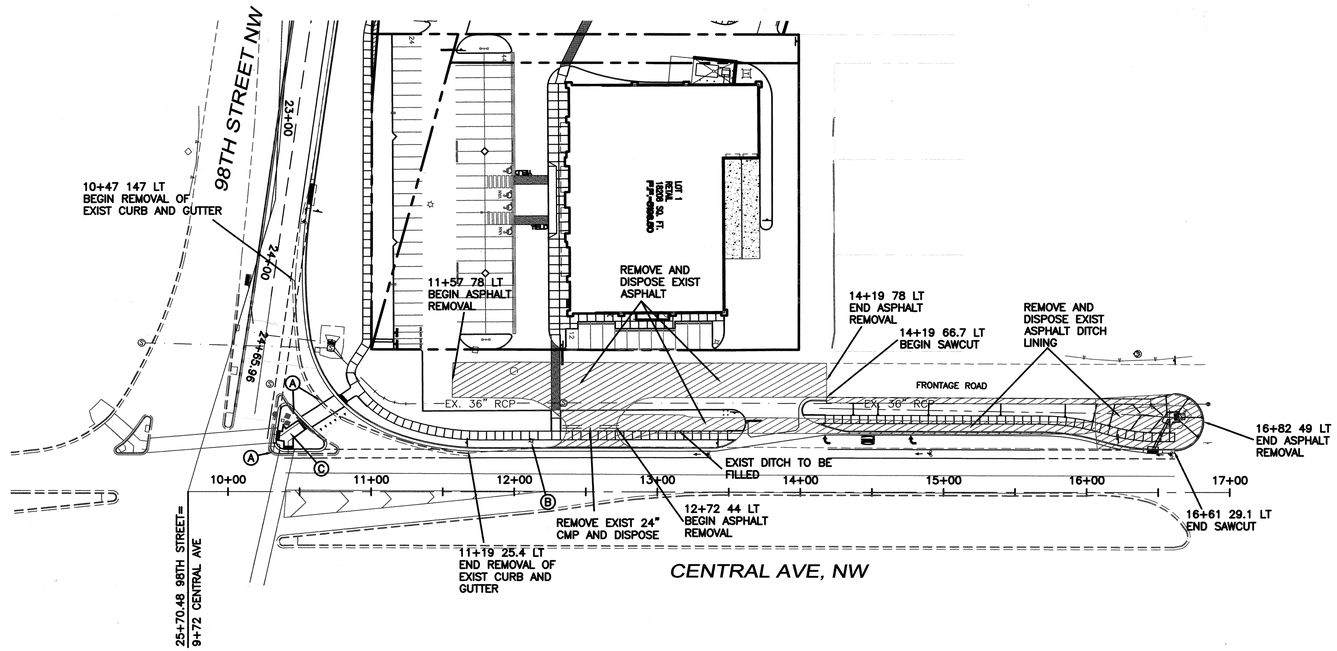
7/26/07

KEYED NOTES:

A REMOVE EXISTING CURB AND GUTTER

B. REMOVE AND DISPOSE EXIST LIGHT POLE BASE

C. REMOVE AND DISPOSE EXISTING CONCRETE SIDEWALK



LEGEND:

- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- CENTERLINE
- RIGHT-OF-WAY
- 4" DASHED WHITE LINE
- 4" SOLID WHITE STRIPE
- 4" DOTTED LINE
- ASPHALT REMOVAL

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

RECORD DRAWING

AS BUILT INFORMATION

CONTRACTOR	CHAVA TRUCKING	2007/08
WORK STAKED BY	DAVID VIGIL	DATE 2007/08
INSPECTED BY	COA/TIERRA WEST	DATE 2007/08
FIELD VERIFICATION BY	COA/TIERRA WEST	DATE 2007/08
DRAWINGS CORRECTED BY	TIERRA WEST	DATE 2007/08

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS 7-K10
STANDARD A.C.S. BRASS TABLET
NM STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1927)
X=355,815.77
Y=1,482,842.09
EL=5137.363

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

BF

NO.	DATE	REMARKS	BY
1	2008	AS-BUILT	BF

REVISIONS

DESIGN

DESIGNED BY: SA	DATE: 3-12-07
DRAWN BY: PM	DATE: 3-12-07
DRAWING NAME: 2566-SH04-CENTRAL-PV.DWG	JOB NO.: 25066
CHECKED BY: RB	DATE: 3-12-07

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **CENTRAL AVE NW AND 98TH ST NW**
DEMOLITION PLAN

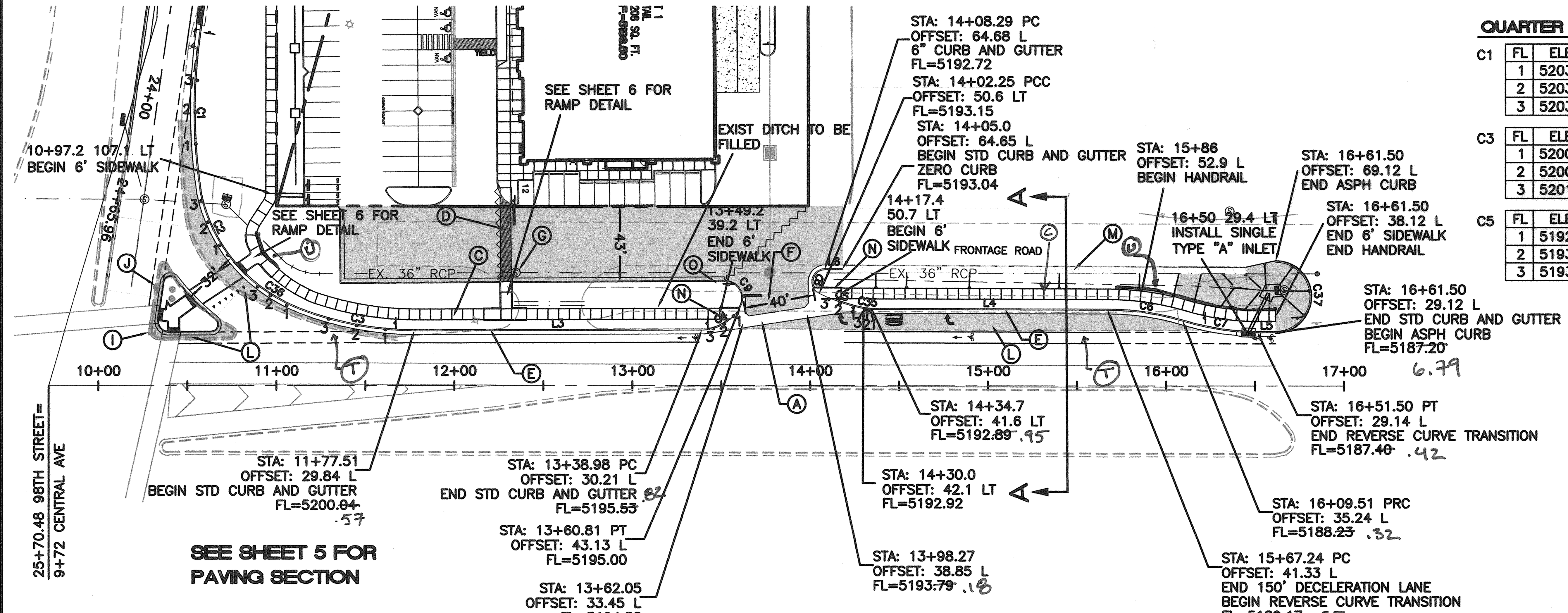
DESIGN REVIEW COMMITTEE: APPROVED JUL 10 2007 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED JUL 18 2007 CITY ENGINEER

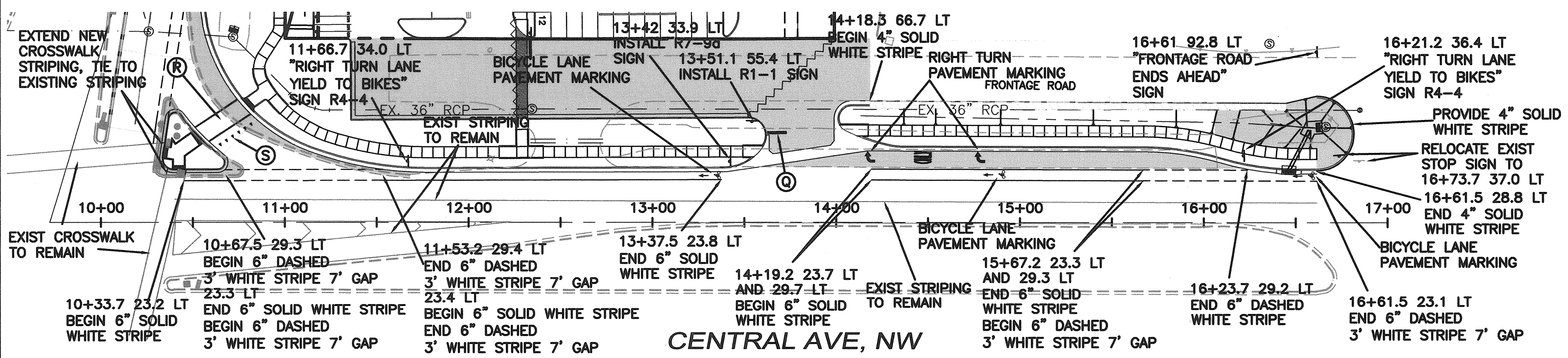
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
790382	K-9	3	10

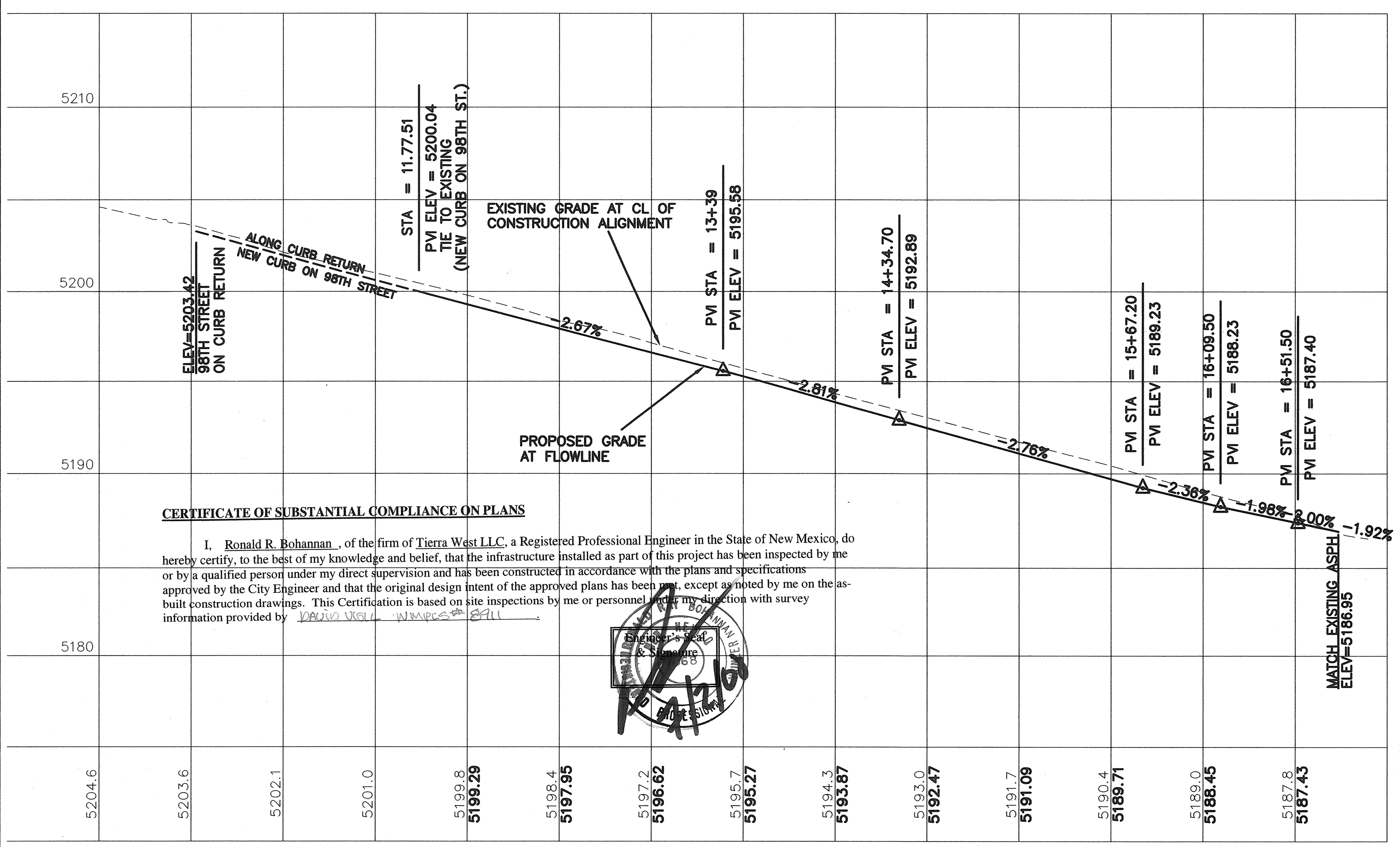
SCANNED BY PLANNING



CENTRAL AVE, NW
PAVING IMPROVEMENTS



CENTRAL AVE, NW
STRIPING AND SIGNAGE



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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Engineer's Seal & Signature

QUARTER POINTS

C1 FL	ELEV.
1	5203.22
2	5203.23
3	5203.26

C2 FL	ELEV.
1	5202.51
2	5202.72
3	5202.93

C3 FL	ELEV.
1	5200.44
2	5200.83
3	5201.23

C4 FL	ELEV.
1	5195.15
2	5195.29
3	5195.44

C5 FL	ELEV.
1	5192.97
2	5193.03
3	5193.09

C35 FL	ELEV.
1	5192.90
2	5192.91
3	5192.92

C36 FL	ELEV.
1	5201.75
2	5201.88
3	5202.02

LINE TABLE

LINE	LENGTH	BEARING
L1	109.79	S06°50'35"E
L2	172.53	S06°50'35"E
L3	161.47	S74°46'37"W
L4	132.49	N75°02'02"E
L5	10.00	N75°02'02"E
L6	10.00	N75°02'02"E

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C1	71.03	300.00	13°33'54"	S13°37'32"E	70.86
C2	53.87	90.00	34°17'48"	S37°33'23"E	53.07
C3	64.88	180.00	20°39'06"	N85°06'09"E	64.53
C4	26.60	25.00	60°58'25"	N44°17'24"E	25.37
C5	26.39	100.00	15°07'11"	S86°20'57"E	26.31
C6	42.85	150.00	16°22'03"	S83°06'37"W	42.70
C7	42.57	150.00	16°15'37"	N83°09'50"E	42.43
C8	20.00	7.45	153°49'23"	S01°52'40"E	14.51
C9	20.81	10.00	119°14'10"	N45°48'54"W	17.25
C10	32.38	25.00	74°12'57"	S52°40'14"E	30.17
C35	4.82	25.00	11°03'26"	N80°33'45"E	4.82
C36	36.58	90.00	23°17'17"	S72°55'39"E	36.33
C37	62.83	20.00	180°00'00"	S14°57'58"E	38.66

KEYED NOTES:

A 6' VALLEY GUTTER PER COA STD DWG #2420.

B UNIDIRECTIONAL WHEELCHAIR RAMP PER DETAIL SHEET 6.

C 6' SIDEWALK PER COA STD DWG #2430.

D CROSSWALK STRIPING

E STANDARD CURB AND GUTTER PER COA STD DWG #2415A.

F NEW 40' ENTRANCE PER COA STD DWG #2426.

G. ADJUST EXIST MH ELEV 5198.42

H. EXIST LIGHT POLES TO BE RELOCATED BY PNM.

I. EXISTING SURVEY MARKER TO BE RELOCATED BY CITY SURVEYOR PER CITY SURVEYOR'S STDS.

J. WATER VALVES TO BE ADJUSTED TO GRADE.

K. LIGHT POLE LOCATIONS ALONG CENTRAL AVE TO BE COORDINATED WITH THE CITY OF ALBUQUERQUE.

L. NEW ASPHALT PER DETAIL SHEET 6

M. CONSTRUCT NEW 4' SWALE. SEE SHEET 9 FOR DETAILS.

N. HANDICAP RAMP PER DETAIL SHEET 6.

O. PROPOSED FIRE HYDRANT LOCATION.

P. 6" CURB AND GUTTER.

Q. STOP BAR ~~PER DETAIL THIS SHEET.~~ 12" WIDTH

R. CROSSWALK STRIPING SEE SHEET 5 FOR DETAIL.

S. YIELD MARKING, SEE SHEET 5 FOR DETAIL.

T. NEW 6' BIKE LANE

U. PEDESTRIAN RAILING

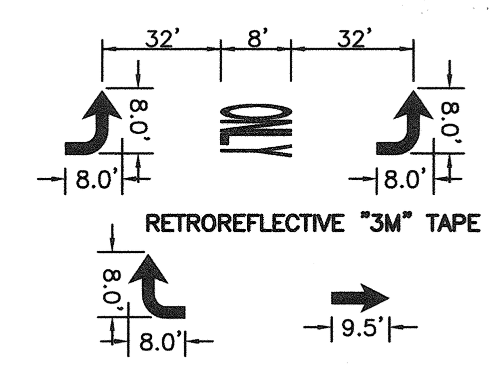
NOTES

1. COORDINATE WITH TRAFFIC OP'S PRIOR TO SIGNING AND STRIPING.

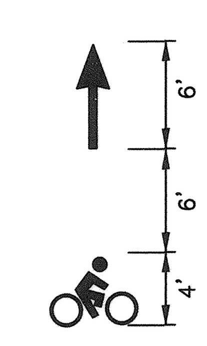
2. PAINT ALL MEDIAN BULLNOSES YELLOW W/GLASS BEADS.

LEGEND:

- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- CENTERLINE
- RIGHT-OF-WAY
- 4" DASHED WHITE LINE
- 4" SOLID WHITE STRIPE
- 4" DOTTED LINE
- NEW PAVING

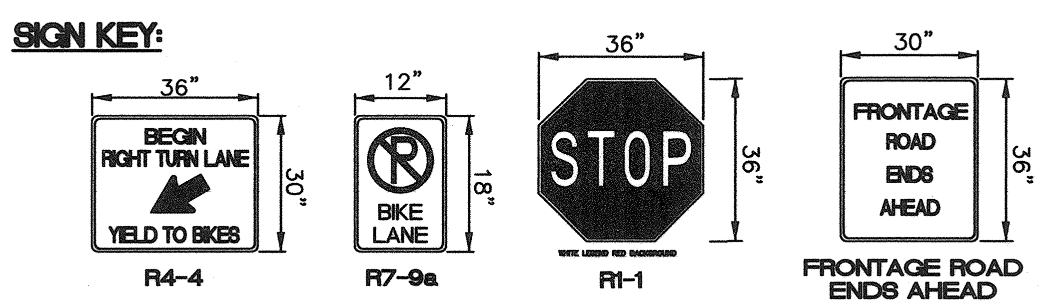


ARROW DETAILS
NTS



BIKE LANE STRIPING
NTS

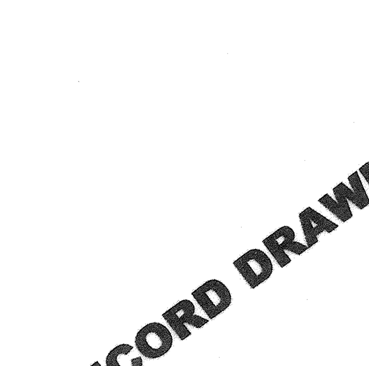
SIGN KEY:

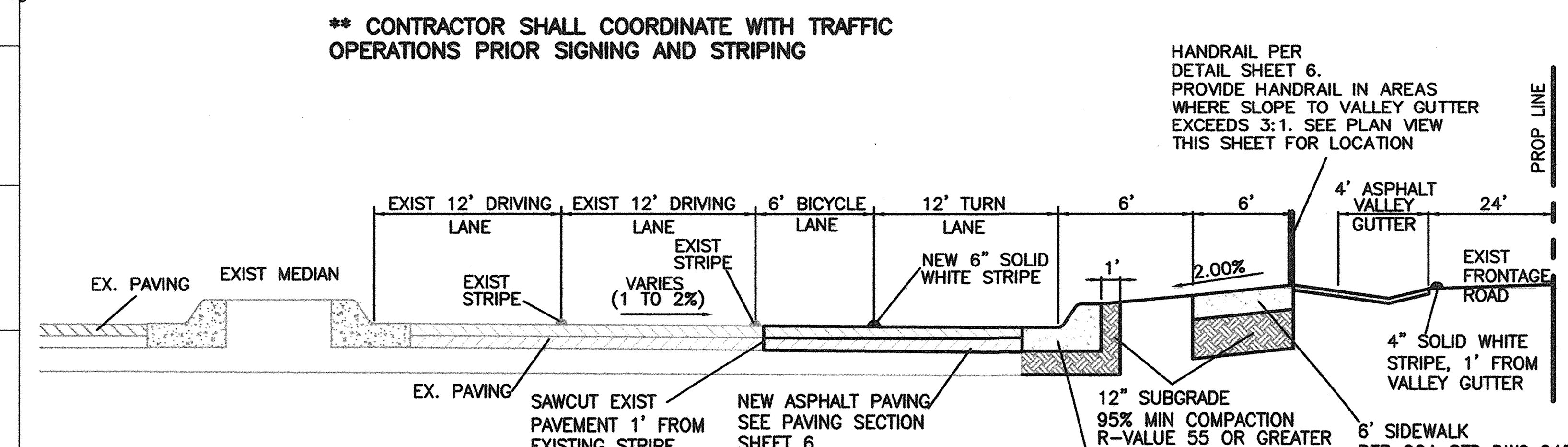


* SIGN FACES SHOWN FOR REFERENCE; CONTRACTOR SHALL VERIFY DIRECTION OF ARROW TO CORRELATE WITH INSTALLATION LOCATION AND TRAFFIC MOVEMENTS.

** CONTRACTOR SHALL COORDINATE WITH TRAFFIC OPERATIONS PRIOR SIGNING AND STRIPING

RECORD DRAWING





SECTION A-A
NTS

AS BUILT INFORMATION	
CONTRACTOR	CHAVA TRUCKING 2007/08
WORK STAKED BY	DAVID VIGIL DATE 2007/08
INSPECTOR'S ACCEPTANCE BY	COA/TIERRA WEST DATE 2007/08
FIELD VERIFICATION BY	COA/TIERRA WEST DATE 2007/08
DRAWINGS CORRECTED BY	TIERRA WEST DATE 2007/08

MICRO-FILM INFORMATION: RECORDED BY / DATE / NO.

BENCH MARKS: ACS 7-K10; STANDARD A.C.S. BRASS TABLET; NM STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1927); X=355,815.77; Y=1,482,842.09; EL=5137.363

SURVEY INFORMATION: FIELD NOTES — NO. / BY / DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	2008	AS-BUILT	BF

REVISIONS

DESIGN	
DESIGNED BY: SA	DATE: 3-12-07
DRAWN BY: PM	DATE: 3-12-07
DRAWING NAME: 2566-SH04-CENTRAL-PV.DWG	JOB NO.: 25066
CHECKED BY: RB	DATE: 3-12-07

SCALE: HORIZ. 1"=50' VERT. 1"=5'

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **CENTRAL AVENUE, NW**
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE: APPROVED JUL 10 2007 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED JUL 18 2007 CITY ENGINEER
LAST DESIGN UPDATE — MO./DAY/YR. — MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
790382	K-9	4	10

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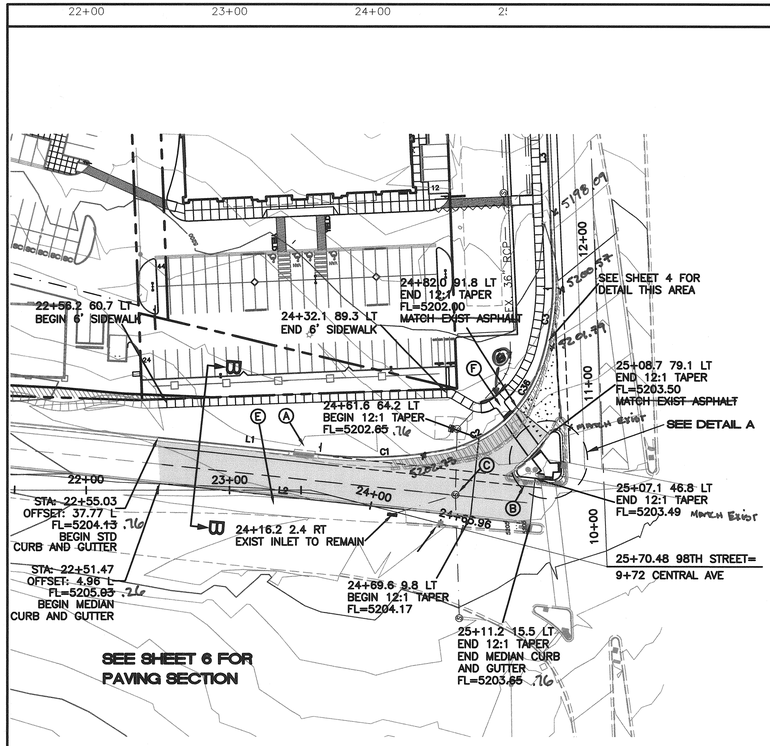
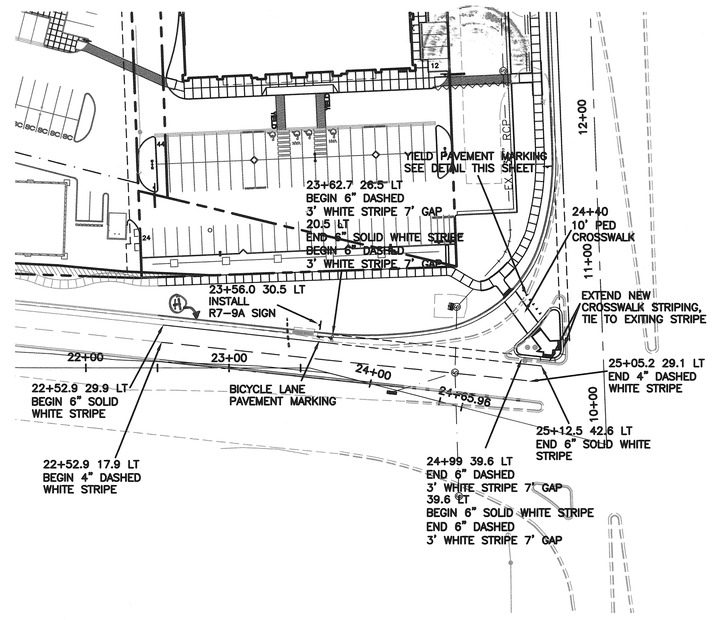
SCANNED BY PLANNING



98TH STREET, NW
PAVING IMPROVEMENTS



98TH STREET, NW
STRIPING AND SIGNAGE

KEYED NOTES:

A. DOUBLE C INLET AND STORM DRAIN TO BE BUILT UNDER SEPARATE WORK ORDER

B. ADJUST EXISTING WATER VALVE TO GRADE

C. ADJUST EXISTING MANHOLE TO GRADE

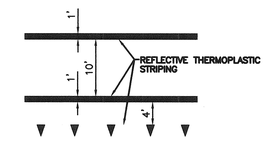
D. LIGHT POLE LOCATION ALONG 98TH STREET TO BE COORDINATED WITH THE CITY OF ALBUQUERQUE

E. REGRADE EXISTING SWALE TO DRAIN TOWARDS INLET

F. HANDICAP RAMP PER DETAIL SHEET 6

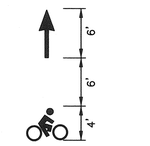
G. PEDESTRIAN RAILING

H. BEHR 980 PENETRATING SEALANT
APPLIED STA: 20462 TO 23451



ALL PAVEMENT MARKINGS SHALL CONFORM TO M.U.T.C.D. SPECS (LATEST EDITION)

CROSSWALK DETAIL
NTS



BIKE LANE STRIPING
NTS

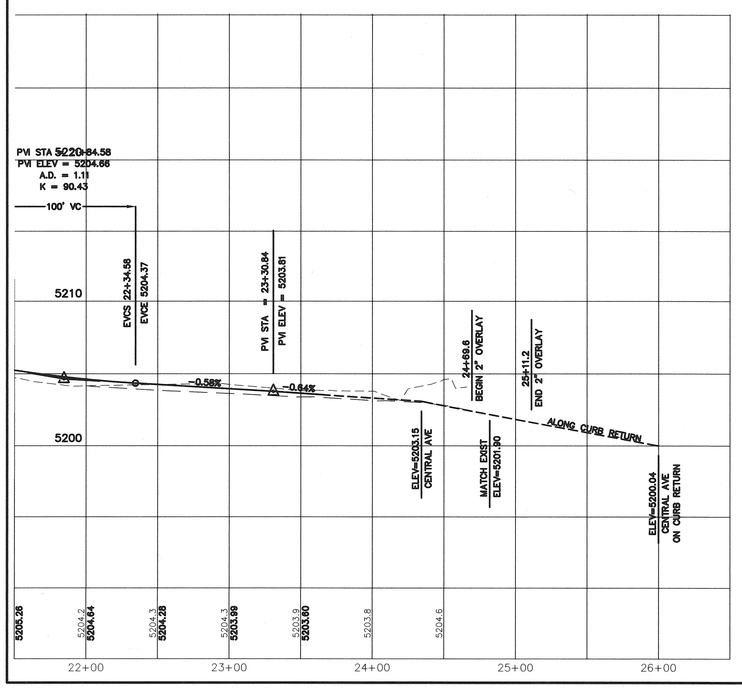
SIGN KEY:

* SIGN FACES SHOWN FOR REFERENCE; CONTRACTOR SHALL VERIFY DIRECTION OF ARROW TO CORRELATE WITH INSTALLATION LOCATION AND TRAFFIC MOVEMENTS.

** CONTRACTOR SHALL COORDINATE WITH TRAFFIC OPERATIONS PRIOR SIGNING AND STRIPING

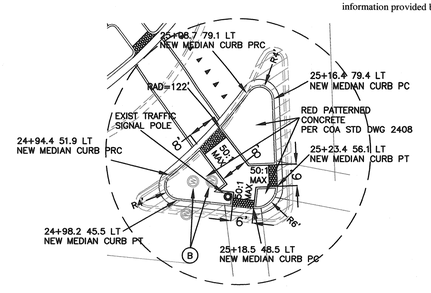
LEGEND:

- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- CENTERLINE
- RIGHT-OF-WAY
- 4" DASHED WHITE LINE
- 4" SOLID WHITE STRIPE
- 4" DOTTED LINE
- ROW DEDICATION
- ASPHALT REMOVAL
- LIMITS OF OVERLAY
- NEW PAVING



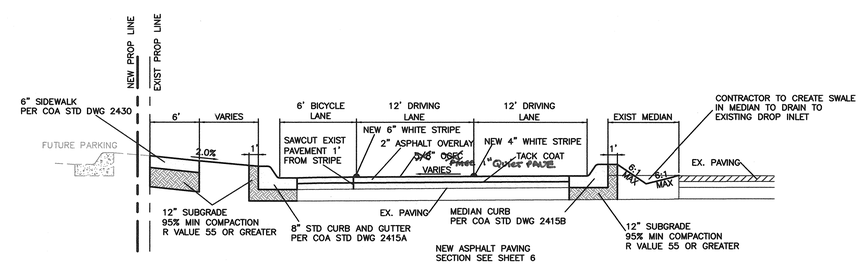
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannan , of the firm of Tierra West LLC, 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 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 with survey information provided by DAVID VIGIL SURVEYS INC



DETAIL A
SCALE 1"=20'

RECORD DRAWING



SECTION B-B
NTS

AS BUILT INFORMATION		
CONTRACTOR	CHAVA TRUCKING	2007/08
WORK STAKED BY	DAVID VIGIL	DATE 2007/08
INSPECTOR'S ACCEPTANCE BY	COA/TIERRA WEST	DATE 2007/08
FIELD DRAWINGS BY	COA/TIERRA WEST	DATE 2007/08
DRAWINGS CORRECTED BY	TIERRA WEST	DATE 2007/08
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS
ACS 7-K10
STANDARD A.C.S. BRASS TABLET
NM STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1927)
X=355,815.77
Y=1,482,842.09
EL=5137.363

SURVEY INFORMATION	
FIELD NOTES	
NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	2008	AS-BUILT	BF

REVISIONS

DESIGN

DESIGNED BY: SA DATE: 3-12-07
DRAWN BY: PM DATE: 3-12-07
DRAWING NAME: 2566-SH05-98TH-PV.DWG JOB NO.: 25066
CHECKED BY: RB DATE: 3-12-07

SCALE: HORIZ. 1"=50'
VERT. 1"=5'

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **98TH STREET, NW**
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE: APPROVED JUL 10 2007 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED JUL 18 2007 CITY ENGINEER

LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

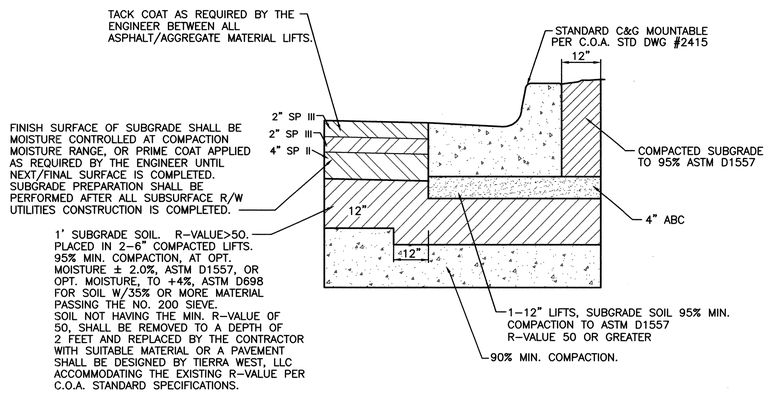
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
790382	K-9	5	10

Z:\2005\25066\Drawings\Construction\MARKET\2566-SH05-98TH-PV.dwg, Layout1, 3/30/2007 9:34:25 AM

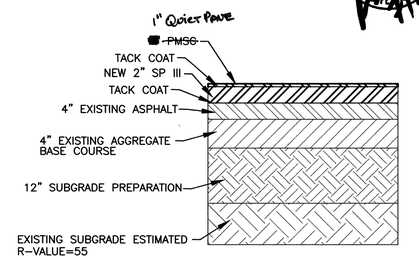
SCANNED BY PLANNING

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

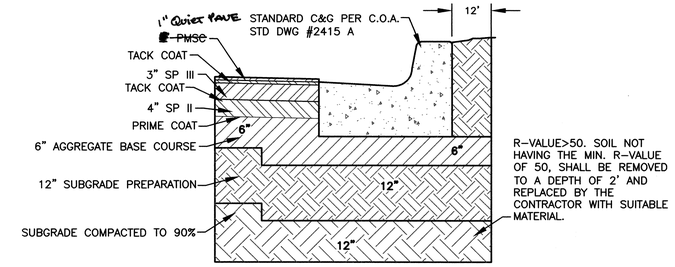
I, Ronald R. Bohannan , of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and 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 with survey information provided by ONULO VIGIL NMPLS # 8911



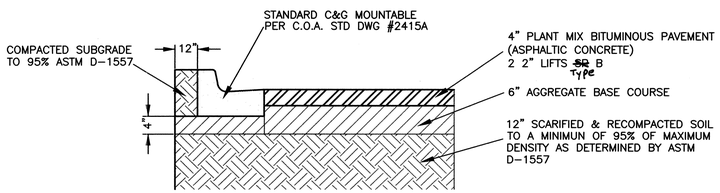
CENTRAL PAVING SECTION
NTS



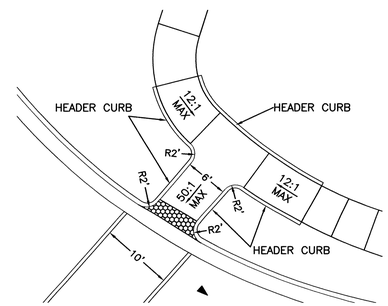
2" OVERLAY 98TH STREET PAVING SECTION
NTS



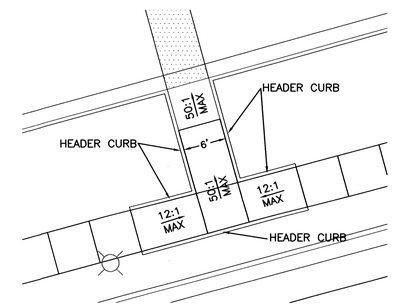
98TH STREET TYPICAL PAVING SECTION
NTS



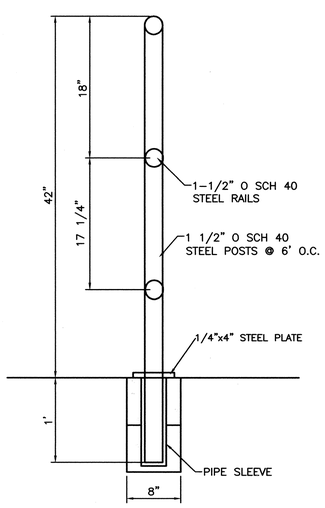
FRONTAGE ROAD PAVING SECTION
NTS



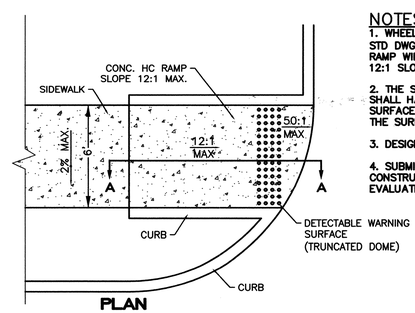
HC RAMP DETAIL
NTS



HC RAMP DETAIL
NTS

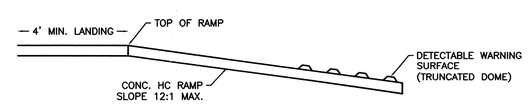


GUARD RAIL DETAIL
NTS



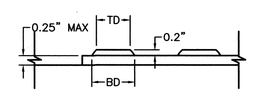
PLAN

NOTES:
1. WHEELCHAIR RAMPS ARE AS C.O.A. STD DWG #2441 CASE II, EXCEPT THE RAMP WIDTH WILL VARY TO MEET A 12:1 SLOPE.
2. THE SURFACE OF RAMP AND SIDES SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
3. DESIGN PER A.D.A. SPECIFICATIONS
4. SUBMIT SPECIFICATIONS TO CITY CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION

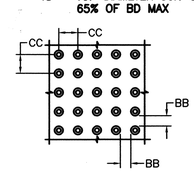


SECTION A-A

UNIDIRECTIONAL HC RAMP
NOT TO SCALE



DOME SECTION
BD - BASE DIAMETER 0.9" MIN
TD - TOP DIAMETER 50% OF BD MIN TO 65% OF BD MAX



DOME SPACING
CC - CENTER TO CENTER SPACING 2.35"
BB - BASE TO BASE SPACING 1.48" MIN

RECORD DRAWING

AS BUILT INFORMATION		
CONTRACTOR	CHAVA TRUCKING	2007/06
WORK STAKED BY	DAVID VIGIL	DATE 2007/06
WORK CHECKED ACCEPTANCE BY	CO.A/TIERRA WEST	DATE 2007/06
FIELD VERIFICATION BY	CO.A/TIERRA WEST	DATE 2007/06
DRAWINGS CORRECTED BY	TIERRA WEST	DATE 2007/06
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS
ACS 7-K10
STANDARD A.C.S. BRASS TABLET
NM STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1927)
X=355,815.77
Y=1,482,842.09
EL=5137.363

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

GF

2008 AS-BUILT		
NO.	DATE	REMARKS
REVISIONS		

DESIGN	
DESIGNED BY: SA	DATE: 3-12-07
DRAWN BY: pm	DATE: 3-12-07
DRAWING NAME: 2566-Details.DWG	JOB NO.: 25066
CHECKED BY: RB	DATE: 3-12-07

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **98TH ST, NW AND CENTRAL AVE NW**
PAVING SECTIONS

DESIGN REVIEW COMMITTEE: APPROVED JUL 10 2007 DESIGN REVIEW COMMITTEE

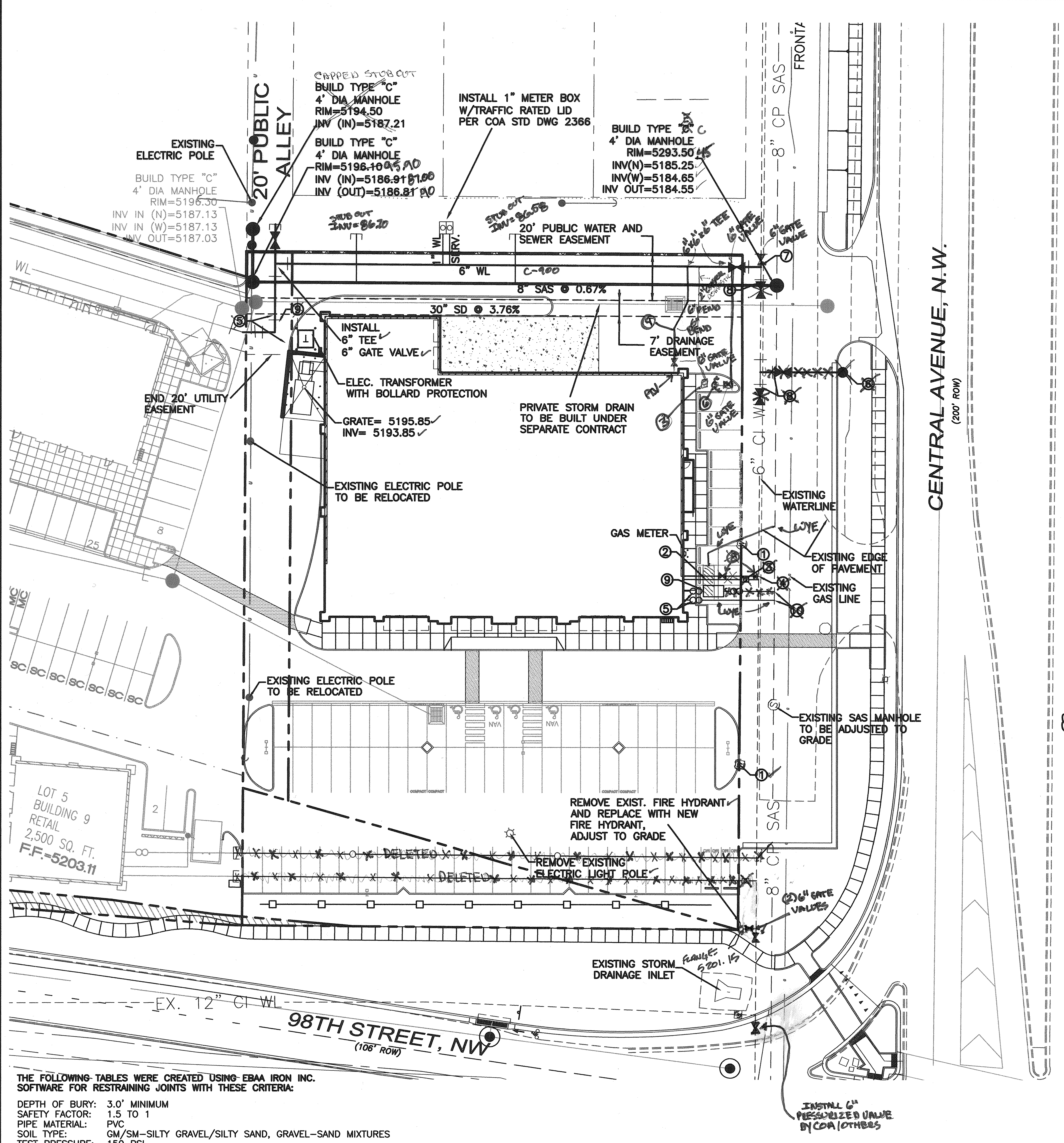
CITY ENGINEER APPROVAL: APPROVED JUL 18 2007 CITY ENGINEER

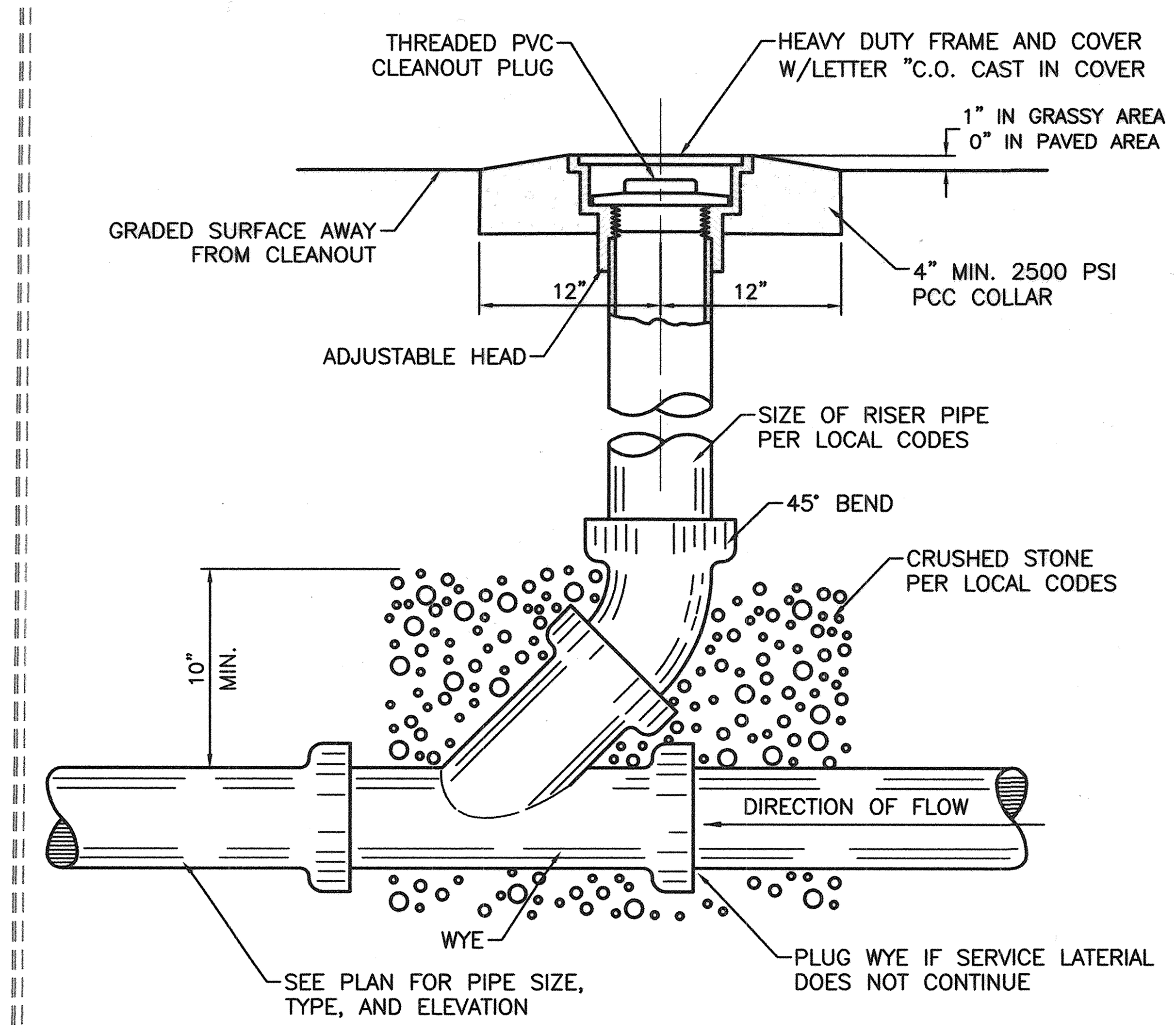
LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
790382	K-9	6	10

Z:\2005\25066\Drawings\Construction\MARKET\2566-Details.dwg, Layout1, 3/30/2007 10:04:51 AM

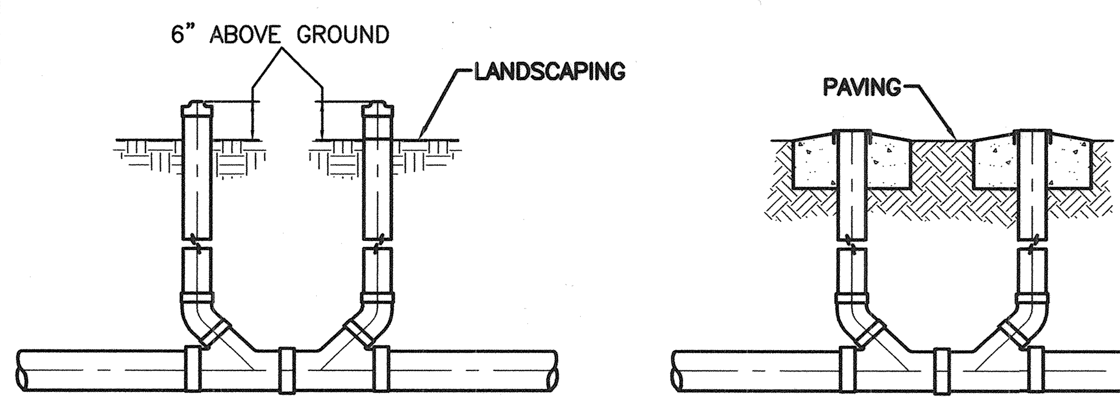
SCANNED BY PLANNING





SANITARY SEWER CLEAN-OUT

NTS



SANITARY SEWER DOUBLE CLEAN-OUTS

NTS

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.

2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION,

3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1999).

4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

5. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

6. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannan , of the firm of Tierra West LLC, 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 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 with survey information provided by DAVID VIGIL NMPS# 8711 .

Engineer's Seal & Signature 3/3/08

CAUTION:

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

RECORD DRAWING

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

DEPTH OF BURY: 3.0' MINIMUM
SAFETY FACTOR: 1.5 TO 1
PIPE MATERIAL: PVC
SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES
TEST PRESSURE: 150 PSI
TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL
BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

RESTRAINED JOINT LENGTHS FOR TEES*

SIZE	LENGTH ALONG RUN**					
	5'	4'	3'	2'	1'	0'
12x12x12	14	18	22	25	29	33
12x12x10	6	10	14	19	23	28
12x12x8	1	1	7	12	18	23
12x12x6	1	1	1	3	10	18
12x12x4	1	1	1	1	2	12
10x10x10	9	13	17	20	24	28
10x10x8	1	5	10	14	19	23
10x10x6	1	1	1	6	12	18
10x10x4	1	1	1	1	4	12
8x8x8	5	9	13	16	20	23
8x8x6	1	1	3	8	13	18
8x8x4	1	1	1	1	6	12
6x6x6	1	3	7	10	14	18
8x8x4	1	1	1	1	6	12

*RESTRAINTS ONLY PLACED ON THE BRANCH
**LENGTH ALONG RUN REFERS TO THE LENGTH OF PIPE ON EITHER SIDE OF THE TEE BEFORE THE NEXT JOINT.

RESTRAINED JOINT LENGTHS FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS (EACH SIDE)

SIZE	HORIZONTAL BENDS				VALVES
	90°	45°	22-1/2°	11-1/4°	DEAD END
12	15	6	3	1	34
10	13	5	3	1	29
8	11	4	2	1	24
6	8	3	2	1	18
4	6	2	1	N/A	13

RESTRAINED JOINT LENGTHS FOR REDUCERS***

SIZE	L. SIDE	SIZE	L. SIDE
12x10	17	10x6	18
12x8	18	10x4	23
12x6	25	8x6	10
12x4	29	8x4	17
10x8	10	6x4	9

***RESTRAINTS ONLY PLACED ON LARGE LARGE SIDE

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

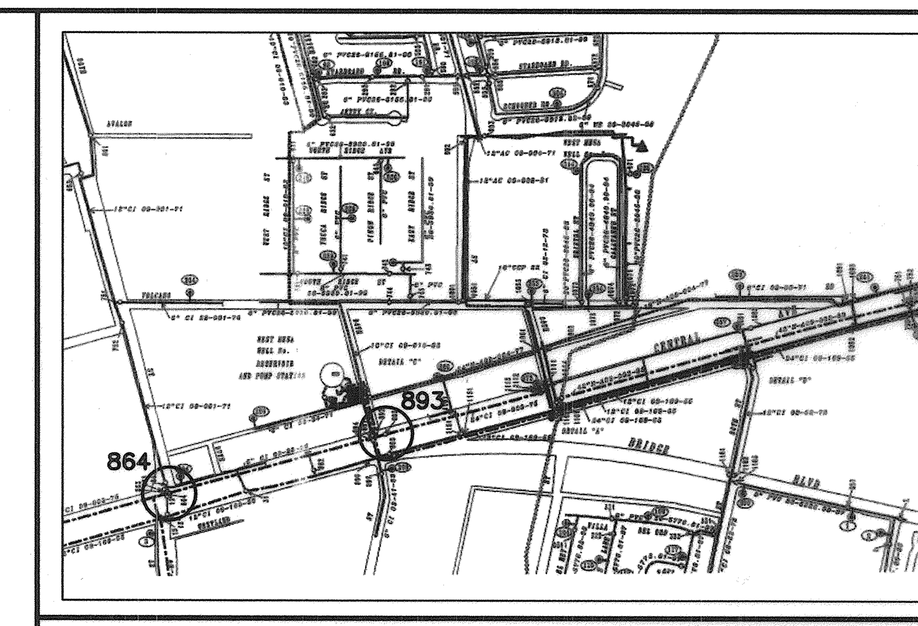
DEPTH OF BURY: 3.0' MINIMUM
SAFETY FACTOR: 1.5 TO 1
PIPE MATERIAL: PVC
SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES
TEST PRESSURE: 150 PSI
TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL
BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

RESTRAINED JOINT LENGTHS FOR VERTICAL OFFSETS/BENDS (EACH SIDE)

SIZE		HORIZONTAL BENDS			
		90°	45°	22-1/2°	11-1/4°
12	UPPER	DON'T	14	7	3
	LOWER	USE	4	2	1
10	UPPER	DON'T	12	6	3
	LOWER	USE	3	2	1
8	UPPER	DON'T	10	5	2
	LOWER	USE	3	1	1
6	UPPER	DON'T	8	4	2
	LOWER	USE	2	1	N/A
4	UPPER	DON'T	5	3	1
	LOWER	USE	1	1	N/A

DATE	APPROVED BY
	FIRE MARSHALL REVIEW



WATER SHUT-OFF PLAN — SHUT OFF VALVE #'S 864 AND 893

LEGEND

- EX. 8" SAS — EXISTING SANITARY SEWER LINE
- EX. 16" WL — EXISTING WATER LINE
- EXISTING ELEC. UTILITY
- EXISTING STORM SEWER
- 8" SAS — PROPOSED SANITARY SEWER LINE
- 8" WL — PROPOSED WATER LINE
- PROPOSED STORM SEWER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EXISTING SAS MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING ELEC. POLE
- PROPOSED SAS MANHOLE
- 8 — PROPOSED SAS CLEANOUTS
- PROPOSED FIRE HYDRANT
- PROPOSED STORM SEWER MANHOLE
- STORM DRAIN INLET
- PARKING LOT LIGHTING

KEYED NOTES:

1. DISPOSE OF EXISTING METER BOX AND LID. SEVER AND CAP AT MAIN. TYPICAL AT ALL EXISTING WATER SERVICES.
2. CONNECT 2" SERVICE LINE TO EXISTING WATERLINE (TRAFFIC RATED).
3. INSTALL NEW 2" WATER METER PER COA STD DWG #2363. ~~WITH TRAFFIC RATED LID~~ SEE PAGE 8 FOR EASEMENT FOR METER & HYDRANT
4. CONNECT 6" FIRE LINE TO EXISTING WATERLINE.
5. SANITARY SEWER DOUBLE CLEAN OUT PER DETAIL THIS SHEET.
6. INSTALL NEW FIRE HYDRANT PER COA STD DWG #2340.
7. INSTALL 6"X6"X6" TEE CONNECT TO EXISTING 6" WATERLINE.
8. INSTALL NEW 6" GATE VALVE.
9. GREASE TRAP LOCATION- SEE PLUMBING PLANS FOR DETAILS
10. INSTALL WYE AT 8" SAS FOR NEW SERVICE

GENERAL NOTES:

1. 4' MINIMUM BURY REQUIRED FOR ALL UTILITIES UNLESS NOTED.
2. REFERENCE ARCHITECTURAL PLANS FOR WATER LINE RISER LOCATION.
3. ALL STUBS AND UTILITY LOCATIONS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
4. CLEAN OUTS TO BE BUILT PER INFORM PLUMBING CODE STANDARDS.
5. SEE ARCHITECTURAL PLANS FOR LIGHTING CONDUITS AND TELEPHONE LINES. REFER TO ELECTRICAL PLANS FOR SITE LIGHTING LOCATIONS.
6. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
7. ALL UTILITY DISTANCES ARE SHOWN FOR REFERENCE ONLY.
8. FIRE LINE AND DOMESTIC WATERLINE MUST HAVE BACKFLOW PREVENTORS PER UPC. IF BACKFLOW PREVENTOR IS INSTALLED ON THE EXTERIOR OF BUILDING A HOT BOX SHALL BE INSTALLED AND USED.
9. REFER TO PLUMBING AND ELECTRICAL PLANS FOR WATER AND SEWER SERVICES TO BUILDING. VERIFY ROUTING OF WATER AND SANITARY SEWER SERVICE LINES FROM BUILDING TO MAIN WITH OWNER. WATER AND SEWER SERVICE LOCATIONS TO BUILDING SHOWN FOR REFERANCE ONLY.

AS BUILT INFORMATION

CONTRACTOR	CHAVA TRUCKING	2007/08
WORK STAKED BY	DAVID VIGIL	DATE 2007/08
INSPECTOR'S ACCEPTANCE BY	COA/TIERRA WEST	DATE 2007/08
FIELD VERIFICATION BY	COA/TIERRA WEST	DATE 2007/08
DRAWINGS CORRECTED BY	TIERRA WEST	DATE 2007/08

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

ACS 7-K10
STANDARD A.C.S. BRASS TABLET
NM STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1927)
X=355,815.77
Y=1,482,842.09
EL=5137.363

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

RONALD R. BOHANNAN — 7868 — REGISTERED PROFESSIONAL ENGINEER — 3/13/07

REVISIONS

NO.	DATE	REMARKS	BY
△	2008	AS-BUILT	BF
		DESIGN	

DESIGNED BY: SA — DATE: 3-12-07
DRAWN BY: pm — DATE: 3-12-07
DRAWING NAME: 2566-MUB.DWG — JOB NO.: 25066
CHECKED BY: RB — DATE: 3-12-07

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100

GRAPHIC SCALE
30 15 0 15 30
SCALE: 1"=30'

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **98TH ST NW AND CENTRAL AVE NW**
MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED JUL 10 2007 DESIGN REVIEW COMMITTEE	APPROVED JUL 18 2007 CITY ENGINEER			

CITY PROJECT NO. 790382 — ZONE MAP NO. K-9 — SHEET 7 OF 10

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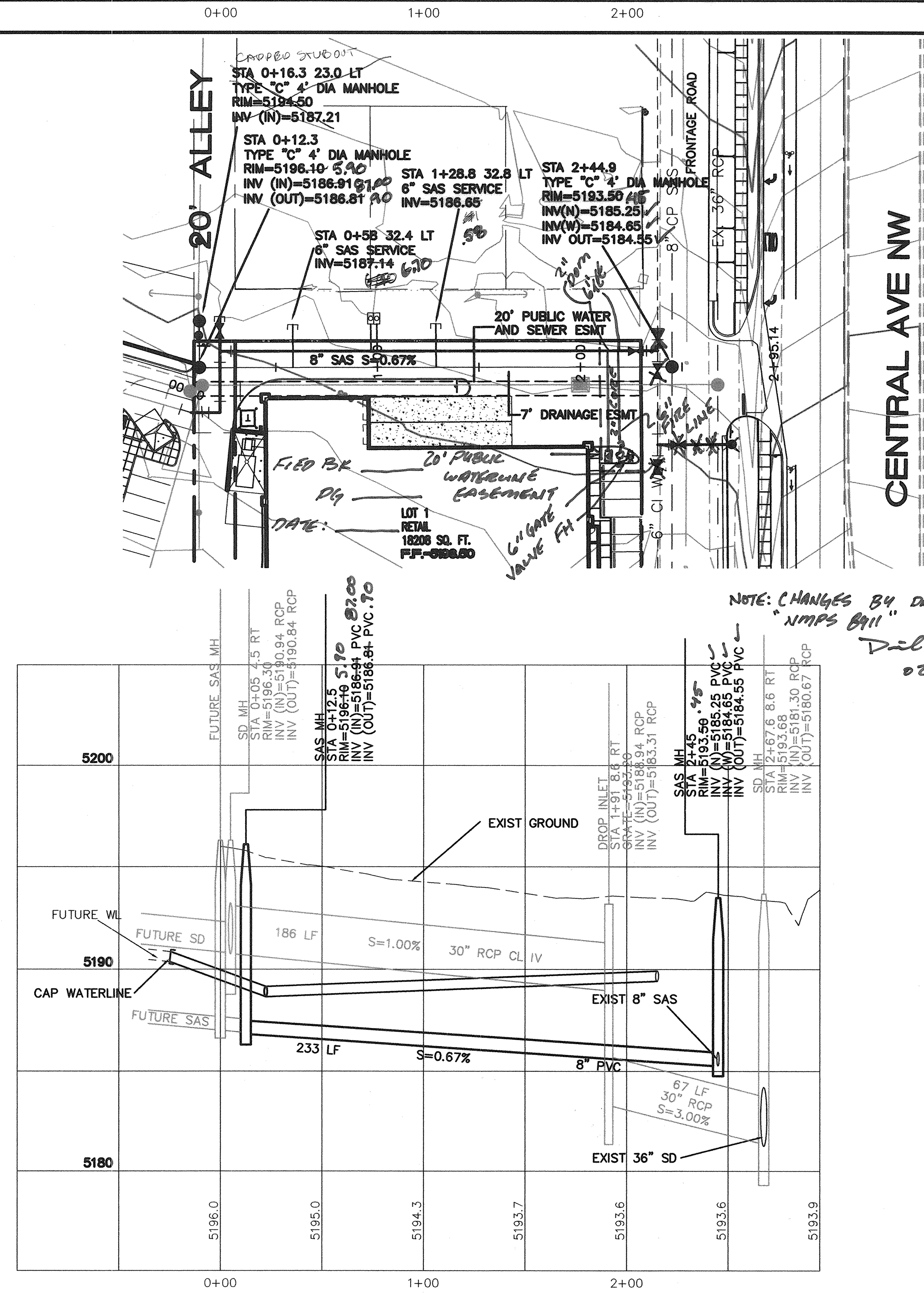
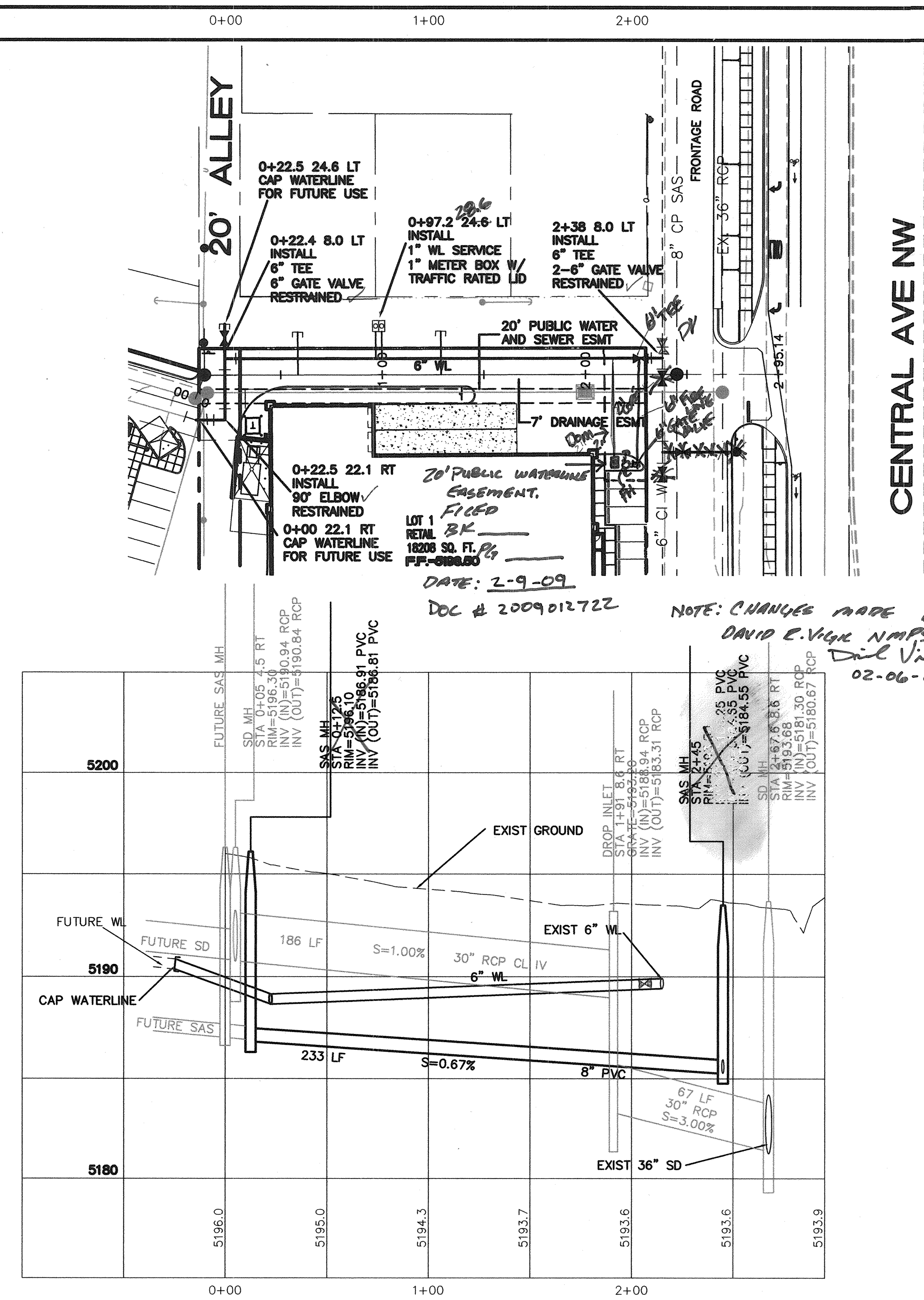


SAS PLAN AND PROFILE



WATERLINE PLAN AND PROFILE

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannan, of the firm of Tierra West LLC, 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 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 with survey information provided by DAVID VIGIL NMPLS# 8911.

Engineer's Seal & Signature 3/3/09

NOTICE TO CONTRACTORS

1. AN EXCAVATION/ CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
6. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.
7. THERE SHALL BE NO DIRECT CONNECTION TO CITY WATER SYSTEM. ALL CONNECTIONS ARE TO BE MADE THROUGH AN APPROVED BACKFLOW PREVENTION DEVICE OF SUFFICIENT SIZE TO MEET THE FLUSHING STANDARDS. A FLUSHING SCHEME SHALL BE PROVIDED BY HE CONTRACTOR TO OUR OFFICE DEMONSTRATING THE REQUIRED VOLUME AND FLOW WILL CLEAN THE LINES.

GENERAL NOTES:

1. 4' MINIMUM BURY REQUIRED FOR ALL UTILITIES UNLESS NOTED.
2. REFERENCE ARCHITECTURAL PLANS FOR WATER LINE RISER LOCATION.
3. ALL STUBS AND UTILITY LOCATIONS MUST BE FIELD VERIFIED PRIOR CONSTRUCTION.
4. CLEAN OUTS TO BE BUILT PER UNIFORM PLUMBING CODE STANDARDS.
5. SEE ARCHITECTURAL PLANS FOR LIGHTING CONDUITS AND TELEPHONE LINES.
6. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
7. LIGHT POLE LOCATIONS SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
8. REFER TO PLUMBING PLANS FOR EXACT WATER AND SEWER SERVICES TO BUILDING.

LEGEND:

- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- CENTERLINE
- RIGHT-OF-WAY
- PROPOSED SAS MANHOLE
- 8" SAS — PROPOSED SAS LINE
- PROPOSED VALVE W/BOX
- 8" WL — PROPOSED WATER LINE

RECORD DRAWING

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

DEPTH OF BURY: 3.0' MINIMUM
SAFETY FACTOR: 1.5 TO 1
PIPE MATERIAL: PVC
SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES
TEST PRESSURE: 150 PSI
TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

RESTRAINED JOINT LENGTHS FOR TEES*

SIZE	LENGTH ALONG RUN** 5'	4'	3'	2'	1'	0'
12x12x12	14	18	22	25	29	33
12x12x10	6	10	14	19	23	28
12x12x8	1	1	7	12	18	23
12x12x6	1	1	1	3	10	18
12x12x4	1	1	1	1	2	12
10x10x10	9	13	17	20	24	28
10x10x8	1	5	10	14	19	23
10x10x6	1	1	1	6	12	18
10x10x4	1	1	1	1	4	12
8x8x8	5	9	13	16	20	23
8x8x6	1	1	3	8	13	18
8x8x4	1	1	1	1	6	12
6x6x6	1	3	7	10	14	18
8x8x4	1	1	1	1	6	12

*RESTRAINTS ONLY PLACED ON THE BRANCH
**LENGTH ALONG RUN REFERS TO THE LENGTH OF PIPE ON EITHER SIDE OF THE TEE BEFORE THE NEXT JOINT.

RESTRAINED JOINT LENGTHS FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS (EACH SIDE)

SIZE	HORIZONTAL BENDS 90°	45°	22-1/2°	11-1/4°	VALVES DEAD END
12	15	6	3	1	34
10	13	5	3	1	29
8	11	4	2	1	24
6	8	3	2	1	18
4	6	2	1	N/A	13

RESTRAINED JOINT LENGTHS FOR REDUCERS***

SIZE	L. SIDE	SIZE	L. SIDE
12x10	17	10x6	18
12x8	18	10x4	23
12x6	25	8x6	10
12x4	29	8x4	17
10x8	10	6x4	9

***RESTRAINTS ONLY PLACED ON LARGE LARGE SIDE

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

DEPTH OF BURY: 3.0' MINIMUM
SAFETY FACTOR: 1.5 TO 1
PIPE MATERIAL: PVC
SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES
TEST PRESSURE: 150 PSI
TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

RESTRAINED JOINT LENGTHS FOR VERTICAL OFFSETS/BENDS (EACH SIDE)

SIZE		HORIZONTAL BENDS 90°	45°	22-1/2°	11-1/4°
12	UPPER	DON'T	14	7	3
	LOWER	USE	4	2	1
10	UPPER	DON'T	12	6	3
	LOWER	USE	3	2	1
8	UPPER	DON'T	10	5	2
	LOWER	USE	3	1	1
6	UPPER	DON'T	8	4	2
	LOWER	USE	2	1	N/A
4	UPPER	DON'T	5	3	1
	LOWER	USE	1	1	N/A

CAUTION:

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

AS BUILT INFORMATION

CONTRACTOR	CHAVA TRUCKING	2007/08
WORK STAKED BY	DAVID VIGIL	DATE 2007/08
INSPECTOR'S ACCEPTANCE BY	COA/TIERRA WEST	DATE 2007/08
FIELD VERIFICATION BY	COA/TIERRA WEST	DATE 2007/08
DRAWINGS CORRECTED BY	TIERRA WEST	DATE 2007/08

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

ACS 7-K10
STANDARD A.C.S. BRASS TABLET
NM STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1927)
X=355,815.77
Y=1,482,842.09
EL=5137.363

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

RONALD R. BOHANNAN, NEW MEXICO, 7868, REGISTERED PROFESSIONAL ENGINEER 3/12/07

REVISIONS

NO.	DATE	REMARKS	BY
1	2008	AS-BUILT	BF
		DESIGN	

DESIGNED BY: SA — DATE: 3-12-07
DRAWN BY: PM — DATE: 3-12-07
DRAWING NAME: — JOB NO.: 25066
CHECKED BY: RB — DATE: 3-12-07

SCALE: HORIZ. 1"=50' VERT. 1"=5'

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

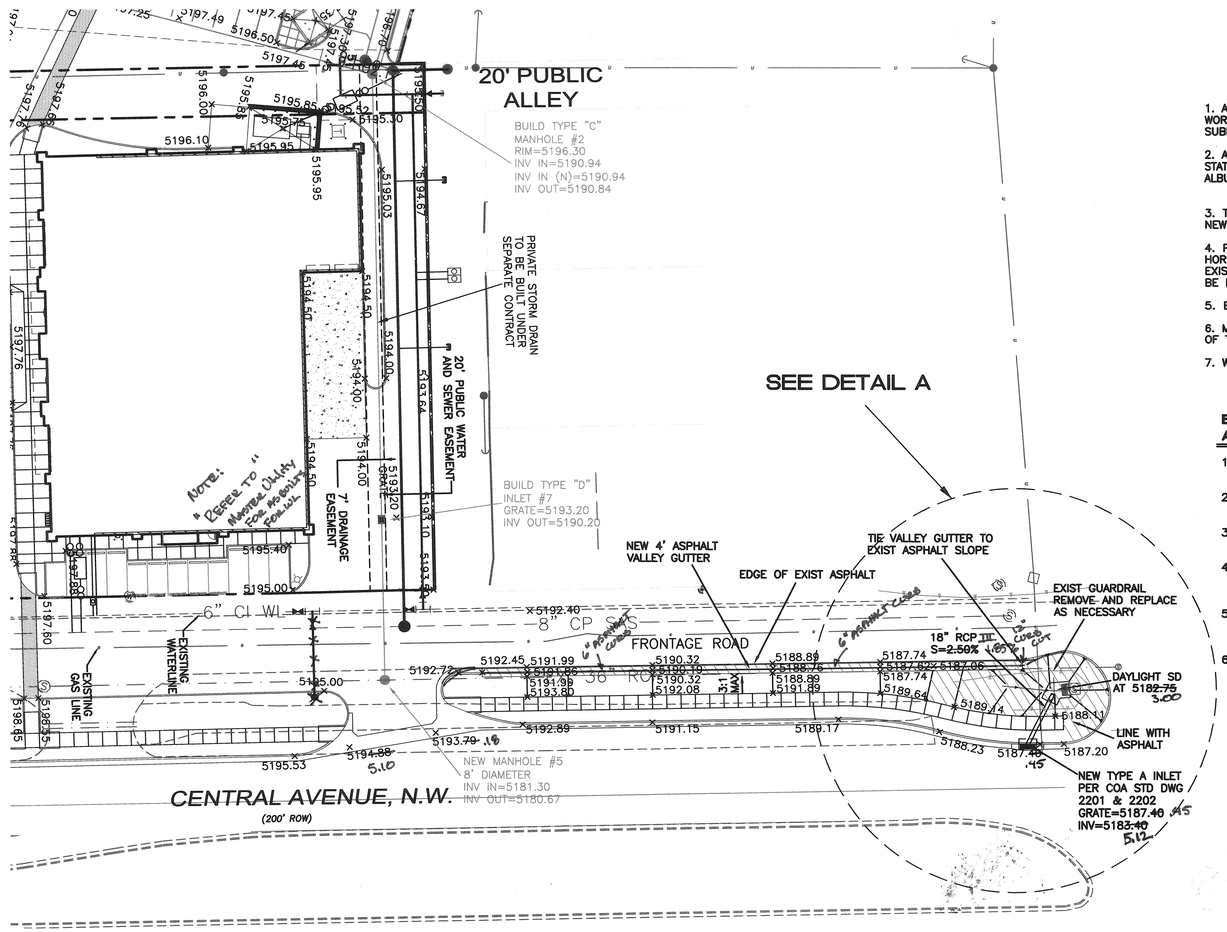
TITLE: **PUBLIC RIGHT-OF-WAY**
SAS AND WATERLINE PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED JUL 10 2007 DESIGN REVIEW COMMITTEE	APPROVED JUL 18 2007 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
790382	K-9	8	10

SCANNED BY PLANNING

SCANNED BY PLANNING



NOTICE TO CONTRACTORS

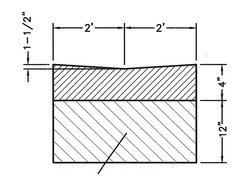
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION,
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1999).
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACK FILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

EROSION CONTROL PLAN, NPDES PERMIT AND POLLUTION PREVENTION NOTES

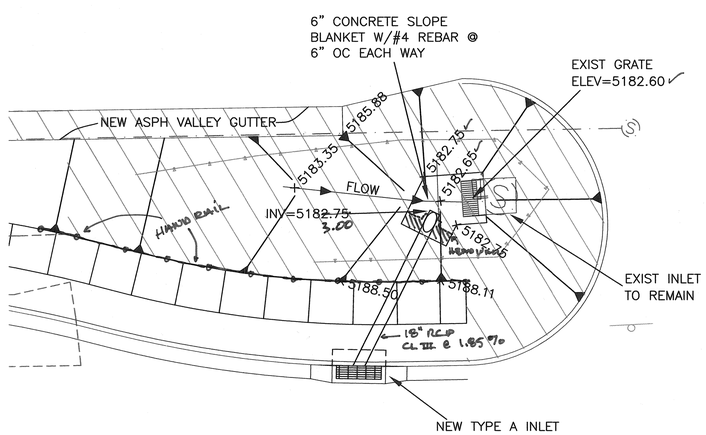
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUN OFF ON SITE.
4. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.
6. CONTRACTOR IS RESPONSIBLE FOR OBTAINING NPDES PERMIT FOR THE SITE.

LEGEND

- EXISTING SANITARY SEWER LINE (EX. 8" SAS)
- EXISTING WATER LINE (EX. 16" WL)
- EXISTING ELEC. UTILITY
- EXISTING STORM SEWER
- PROPOSED SANITARY SEWER LINE (8" SAS)
- PROPOSED WATER LINE (8" WL)
- PROPOSED STORM SEWER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EXISTING SAS MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING ELEC. POLE
- PROPOSED SAS MANHOLE
- PROPOSED SAS CLEANOUTS
- PROPOSED FIRE HYDRANT
- PROPOSED STORM SEWER MANHOLE
- STORM DRAIN INLET
- PARKING LOT LIGHTING
- ASPHALT LINING



ASPHALT VALLEY GUTTER DETAIL
NTS



DETAIL A
SCALE 1"=10'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannan, of the firm of Tierra West LLC, 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 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 with survey information provided by DAVID VIGIL NMPLS # 8911

Engineer's Seal & Signature 7866

GRAPHIC SCALE
30 15 0 15 30
SCALE: 1"=30'

CAUTION:
ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

RECORD DRAWING

AS BUILT INFORMATION

CONTRACTOR	CRAVA TRUCKING	2007/08
WORK STAKED BY	DAVID VIGIL	DATE 2007/08
INSPECTOR'S ACCEPTANCE BY	CON/TIERRA WEST	DATE 2007/08
FIELD VERIFICATION BY	CON/TIERRA WEST	DATE 2007/08
DRAWINGS CORRECTED BY	TIERRA WEST	DATE 2007/08

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS 7-K10
STANDARD A.C.S. BRASS TABLET
NM STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1927)
X=355,815.77
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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RONALD R. BOHANNAN NEW MEXICO PROFESSIONAL ENGINEER 7866

NO.	DATE	REMARKS	BY
1	2008	AS-BUILT	BF

REVISIONS

DESIGN	
DESIGNED BY: SA	DATE: 3-12-07
DRAWN BY: pm	DATE: 3-12-07
DRAWING NAME: 2566-GRB.DWG	JOB NO.: 25066
CHECKED BY: RB	DATE: 3-12-07

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **98TH ST NW AND CENTRAL AVE NW**
STORM DRAINAGE IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED JUL 10 2007 DESIGN REVIEW COMMITTEE	APPROVED JUL 18 2007 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
790382	K-9	9	10

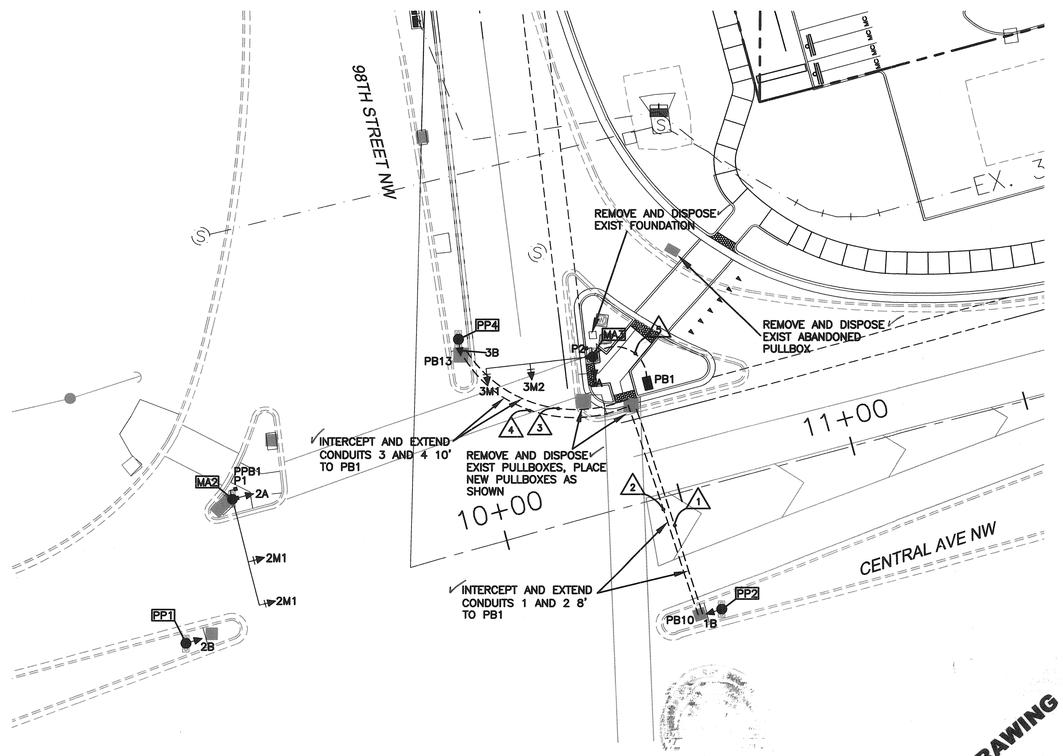
SCANNED BY PLANNING

CONDUIT AND CONDUCTOR REQUIREMENTS

CONDUIT LENGTH, SIZE, AND TYPE						CONDUIT FILL BY CONTRACTOR LENGTH AND TYPE											
RUN ID	SIZE/LENGTH 2"	3"	4"	TYPE	REMARKS	MCC 5 (# @ FT)	MCC 7 (# @ FT)	MCC 20 (# @ FT)	SCC #4 (# @ FT)	SCC #8 (# @ FT)	SCC #6 (# @ FT)	DLLIC (# @ FT)	CC #6 (# @ FT)	CC #12 (# @ FT)	OPTICOM SYSTEM (# @ FT)	VIDEO CABLE (# @ FT)	LUMINAIRE SCC #10 (# @ FT)
1	EXTEND EXIST. CONDUIT 8'			REC	PB10 TO PB1	1 @ 78'		2 @ 78'		1 @ 78'							
2	EXTEND EXIST. CONDUIT 8'			REC	PB10 TO PB1							1 @ 83'					
3	EXTEND EXIST. CONDUIT 10'			REC	PB13 TO PB1							1 @ 50'					
4	EXTEND EXIST. CONDUIT 10'			REC	PB13 TO PB1	1 @ 45'		2 @ 45'		1 @ 45'							
5	EXTEND EXISTING				MA3 TO PB1	7 @ 15'											
					TOTALS	150'		246'		123'		133'					

1. ALL WORK ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE. THE STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRIC WIRING AND APPARATUS, AND THE CITY'S TRAFFIC ENGINEERING OPERATIONS THIRD DRAFT SPECIFICATIONS (JUNE 1994),
2. LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROL CABINETS, POLES, PULL BOXES, MANHOLES, AND SLICE CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO AVOID UTILITY CONFLICTS AND TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE CITY'S TRAFFIC ENGINEERING OPERATIONS PERSONNEL IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY. FOUNDATIONS, POLES, CONTROL CABINETS, AND SPLICE CABINETS SHALL NOT BE PLACED IN THE PEDESTRIAN PATH.
3. THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
4. THE CONTRACTOR SHALL BORE, DRILL, OR PUSH WHEN CROSSING EXISTING PAVEMENT AND ANY DRIVEWAYS FOR SIDE STREET CROSSING. BEFORE CONDUIT CAN BE BORED, DRILLED, OR PUSHED THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES. THE CONTRACTOR SHALL LOCATE AND EXPOSE GAS LINES WHICH CROSS ANY PROPOSED BORES. THESE EXCAVATIONS SHALL REMAIN OPEN UNTIL AFTER THE BORE IS COMPLETE. CONTRACTOR SHALL REMOVE AND REPLACE IN KIND ANY SIDEWALK OR PAVEMENT REQUIRED TO EXPOSE SUCH LINES. THE CONTRACTOR MAY CUT, TRENCH, AND REPLACE EXISTING PAVEMENT ONLY BY THE PROJECT MANAGER.
5. SPLICING OF COMMUNICATIONS CABLE WILL NOT BE PERMITTED IN PULL BOXES. SPLICING OF COMMUNICATIONS CABLE WILL BE PERMITTED ONLY AT SPLICE CABINETS OR CONTROLLER CABINETS WITH SLICE BARS. SLICING OF TRAFFIC SIGNALS MCC WILL BE PERMITTED IN LARGE PULL BOXES. SPLICING OF OPTICAL DETECTOR CABLE WILL NOT BE PERMITTED FROM THE DETECTOR TO THE CONTROLLER CABINET.
6. ALL VIDEO DETECTION COAXIAL AND POWER CABLES SHALL BE TAGGED AT THE CONTROLLER CABINET TO IDENTIFY EACH CABLE BY CAMERA NUMBER AND LOCATION. ALL OPTICAL DETECTOR CABLE SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH BY DIRECTION AND LOCATION.
7. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS (857-8000) THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS. TRAFFIC ENGINNERING OPERATIONS PERSONNEL WILL ASSIST THE CONTRACTOR IN FIELD LOCATION OF EQUIPMENT, AND MUST BE PRESENT WHEN SIGNALS ARE SHUT-OFF OR TURNED ON. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS EACH TIME A TRAFFIC SIGNAL CONTROLLER DOOR IS OPENED.
8. THE CONTRACTOR SHALL NOTIFY PUBLIC SERVICE COMPANY 30 DAY IN ADVANCE OF ANY ANTICIPATED POWER SERVICE CONNECTIONS OR MODIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH PUBLIC SERVICE TO MAINTAIN ELECTRICAL SERVICE IN THE CITY'S NAME. ALL COSTS FOR PUBLIC SERVICE COMPANY TO PROVIDE POWER WILL BE PAID FOR DIRECTLY BY THE CITY OF ALBUQUERQUE.
9. LIVE UNUSED CONDUCTORS WILL NOT BE ALLOWED AT MASTARM POLES AND PEDESTAL POLES. ALL SUCH UNUSED CONDUCTORS SHALL BE DISCONNECTED AT THE LARGE PULL BOX ADJACENT TO THE POLE. ALL WIRE SPLICES SHALL BE WATERPROOF. ALL UNUSED CONDUCTORS SHALL BE WATERPROOFED USING NYLON CRIMPED ON WIRES CAPS.
10. IF TRENCH WIDTHS LESS THAN 12" ARE PROPOSED BY THE CONTRACTOR, APPROVED COMPACTION METHODS SHALL BE USED DURING BACKFILL TO PREVENT LATENT TRENCH FAILURES. THE CONTRACTOR SHALL USE GROUT OR LEAN FILL AS APPROVED BY THE PROJECT MANAGER IN LIEU OF EARTH BACKFILL.
11. CONDUITS CONTAINING ONLY LOW VOLTAGE COMMUNICATIONS CABLES, THE REQUIREMENTS FOR A SINGLE CONDUCTOR BARE COPPER #8 AWG MAY BE WAIVED WHERE PERMITTED BY THE NATIONAL ELECTRIC CODE.
12. EXISTING CONDUITS TO BE REMOVED OR ABANDONED SHALL HAVE WIRING REMOVED.
13. EXISTING CONDUITS SHALL BE REPAIRED, ADJUSTED, OR REPLACED AS DIRECTED BY THE PROJECT MANAGER WHERE ELECTRICAL PULL BOXES OR TRAFFIC MANHOLES ARE INSTALLED OR REPLACED.
14. THE CONTRACTOR SHALL PROVIDE OFF-DUTY POLICE OFFICERS TO DIRECT TRAFFIC WHEN SIGNAL ARE TURNED OFF.

2558 TRAFFIC SIGNAL FOUNDATION DETAILS TYPE II AND TYPE III STANDARDS
2560 TRAFFIC SIGNAL MISCELLANEOUS DETAILS
2562C TRAFFIC SIGNAL MASTARM DETAILS TYPE III STANDARD
2562C TRAFFIC SIGNAL TYPE III STANDARD-MISCELLANEOUS DETAILS
2568 TRAFFIC SIGNAL MACHINE VISION VEHICLE DETECTION DETAILS
2569 TRAFFIC SIGNAL OPTICAL DETECTOR INSTALLATION DETAILS
2570 TRAFFIC SIGNAL ELECTRICAL SERVICE DETAIL



RECORD DRAWING

SYMBOL KEY

- MA1 — SIGNAL & CABINET ID
- 99 — NEW CONDUIT RUN ID
- S1 — CONDUIT RUN ID (POWER SERVICE)
- C1 — CONDUIT RUN ID (INTERCONNECT)

N

GRAPHIC SCALE

20 10 0 10 20

SCALE: 1"=20'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannan, of the firm of Tierra West LLC, 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 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 with survey information provided by DAVID VIGIL NMPLS # 8911.

RONALD RAY BOHANNAN — Registered Seal — Signature — 7868 — NEW MEXICO — PROFESSIONAL ENGINEER

3/12/08

ABBREVIATIONS

MA1	MASTARM NUMBER
PP1	PEDESTAL POLE NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NUMBER
CC1	CONTROL CABINET NUMBER
SC1	SPLICE CABINET NUMBER
PB1	PULL BOX NUMBER (SIGNALS)
PBS1	PULL BOX NUMBER (POWER)
PBC1	PULL BOX NUMBER (INTERCONNECT)
DL1(1)	DETECTOR LOOP PHASE # (LOOP #)
3A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
BP	BACK PLATE
EC	EXTENDED CALL LOOP DETECTOR
SD	SYSTEM LOOP DETECTOR
MH1	TRAFFIC MANHOLE NUMBER
M	METER

NOTES

1. EXISTING LINE LOCATION PER CITY OF ALBUQUERQUE PROJECT # 4188.91
2. CONTRACTOR IS REPONSIBLE FOR ALL NECESSARY ADJUSTMENTS AND PROGRAMING MODIFICATIONS FOR VIDEO CAMERA
3. REUSE EXISTING VIDEO CABLE IF POSSIBLE. NO SPLICES WILL BE ALLOWED.
4. IF SWEEPS ARE NESESSARY USE MINIMUM 5' RADIUS.
5. IF EXISTING EQUIPMENT OR CONDITIONS ARE NOT AS INDICATED ON PLAN, CONTRACTOR IS TO CONTACT ENGINEER.
6. ALL PULLBOXES ARE LARGE SIZE.
7. RELOCATE EXISTING PEDESTRIAN PUSHBUTTON TO EAST SIDE OF MA3.

AS BUILT INFORMATION 2/07/08
CONTRACTOR CHAVEZ TRUCKING
WORK STAKED BY DAVID VIGIL DATE 2/07/08
INSPECTOR'S ACCEPTANCE BY CON/TIERRA WEST DATE 2/07/08
FIELD VERIFICATION BY CON/TIERRA WEST DATE 2/07/08
DRAWINGS CORRECTED BY TIERRA WEST DATE 2/07/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 7-K10
STANDARD A.C.S. BRASS TABLET
NM STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1927)
X=355,815.77
Y=1,482,842.09
EL=5137.363

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEW MEXICO — RONALD RAY BOHANNAN — 7868 — PROFESSIONAL ENGINEER
3/13/08

NO.	DATE	REMARKS	BY
1	2/07/08	AS-BUILT	BF

REVISIONS

DESIGN
DESIGNED BY: sa
DRAWN BY: pm
DRAWN NAME: 25566-Signal.dwg
CHECKED BY: RRB
JOB NO.: 25066
DATE: 3-12-07

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **98TH AND CENTRAL**
SIGNAL PLAN

DESIGN REVIEW COMMITTEE — APPROVED JUL 10 2007 — DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL — APPROVED JUL 18 2007 — CITY ENGINEER
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
790382	K-9-Z	10	10