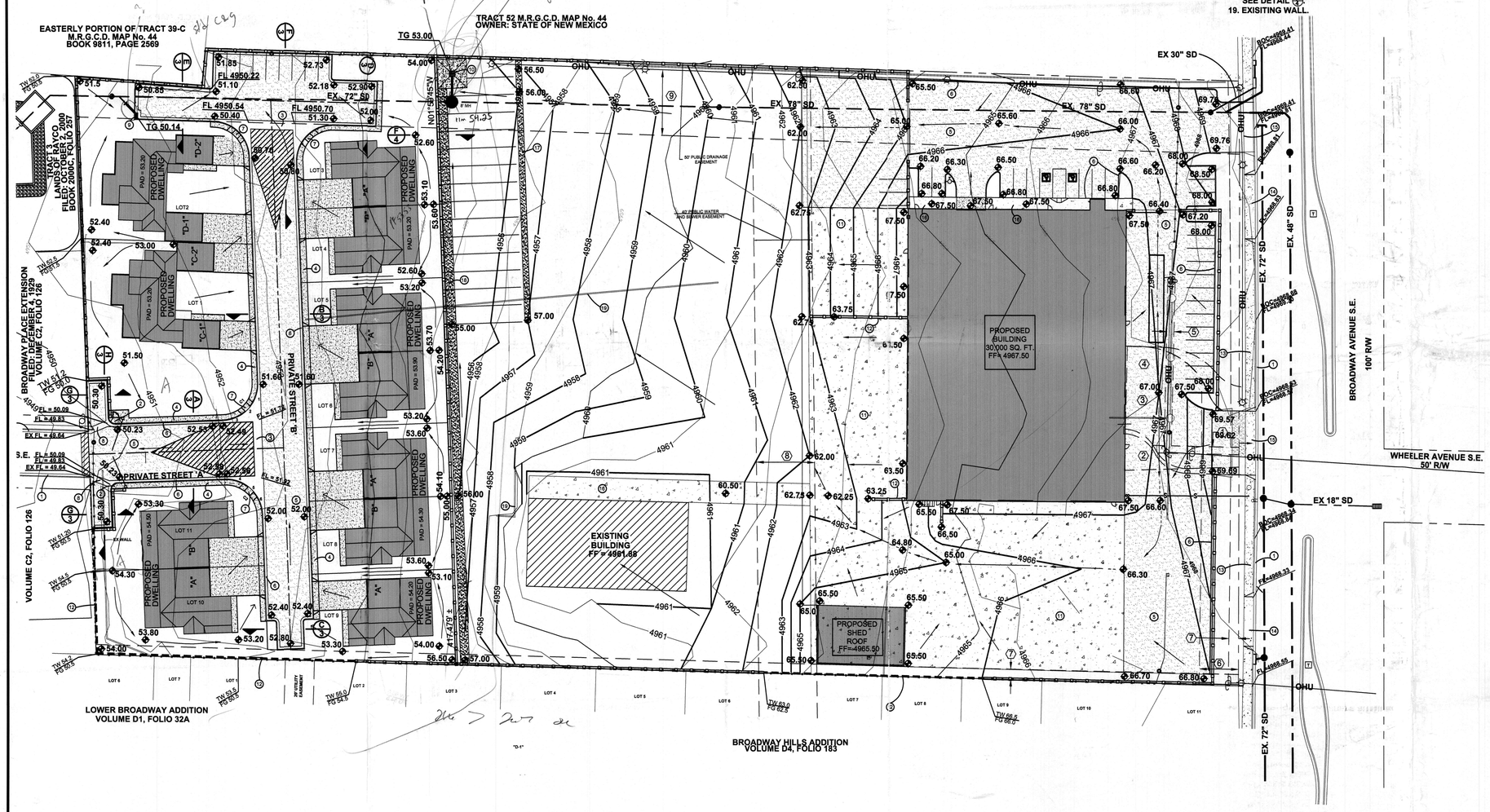
EASEMENT SCHEDULE

1. 5' P.U.E., FILED 02/28/2003; Bk. 2003C, Pg. 45
2. 5' PRIVATE UTILITY EASEMENT, FILED 02/28/2003; BK. 2003C, PG. 45
3. PRIVATE DRIVEWAY EASEMENT, FILED IN Bk. 2000C, FOLIO 257
4. PRIVATE WATER, SANITARY SEWER AND P.U.E., FILED 02/28/2003; BK. 2003C, PG. 45
5. 5' PNM EASEMENT, FILED IN BK. 2000C, FOLIO 257
6. 20' PRIVATE SANITARY SEWER EASEMENT, FILED IN BK. 2000C, FOLIO 257
7. 7' PNM EASEMENT, FILED IN BK. 2000C, FOLIO 257
8. 40' PUBLIC WATER AND SANITARY SEWER EASEMENT, FILED IN BK. 2000C, FOLIO 257
9. PUBLIC UNDERGROUND DRAINAGE EASEMENT, FILED 02/28/2003; BK. 2003C, PG. 45

KEYED NOTES

1. EXISTING CONCRETE STANDARD CURB AND GUTTER. PER COA STD DWG 2415A.
2. CONSTRUCT ACCESS RAMP PER DETAIL
3. CONSTRUCT NEW CONCRETE VALLEY GUTTER. PER COA STD DWG 2422.
4. CONSTRUCT 4' CONCRETE SIDEWALK.
5. CONSTRUCT NEW ASPHALT.
6. CONSTRUCT NEW 6" CONCRETE CURB.
7. CONSTRUCT CURB ACCESS RAMP PER DETAIL
8. CONSTRUCT CONCRETE VALLEY GUTTER PER DETAIL
9. CONSTRUCT NEW SINGLE TYPE 'D' INLET PER COA DWG 2206.
10. CONSTRUCT NEW DOUBLE TYPE 'D' INLET PER COA DWG 2206.
11. CONSTRUCT CONCRETE PAVEMENT.
12. CONSTRUCT RETAINING WALL.
13. CONSTRUCT 6' CONCRETE SIDEWALK.
14. REMOVE & DISPOSE EXISTING CONCRETE DRIVEPAD. CONSTRUCT STD C & G AND 6' SIDEWALK.
15. CONSTRUCT CONCRETE DRIVEPAD PER COA STD DWG 2425.
16. CONSTRUCT CONCRETE SIDEWALK.
17. CONSTRUCT 6' WIDE CONCRETE SLAB FOR TRAILER LEG SUPPORT. SEE DETAIL
18. CONSTRUCT 24" CONCRETE CHANNEL. SEE DETAIL
19. EXISITING WALL.



LEGEND

ITEM	EXISTING	PROPOSED
CURB AND GUTTER		
HEADER CURB		
CURB ELEVATIONS	TOP CONC ELEV / FLOW LINE ELEV	TOP CONC ELEV / FLOW LINE ELEV
SPOT ELEV.	× 16.7	16.7
RIGHT OF WAY		
EASEMENT		
CENTERLINE		
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
RETAINING WALL		
FLOW LINE ELEV.	EX FL 16.2	FL 16.2
DRAINAGE SWALE		
DIRECTION OF FLOW		
TRAFFIC CONTROL BOX	T	
WATER METER		
IRRIGATION CONTROL BOX	I	
EXISTING GATE		
POWER POLE (GUYED)	PP	PP
LIGHT POLE		
ASPHALT PAVING		
ASPHALT PAVING		
WALL		
CONTOUR W/ ELEV	4992	4992

DRAINAGE PLAN NOTES

1. BLI recommends that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation/structural design.
2. This Plan recommends positive drainage away from all structures to prohibit ponding of runoff which may cause structural settlement. Future alteration of grades adjacent to the proposed structures is not recommended.
3. Irrigation within 10 feet of any proposed structure is not recommended. Introduction of irrigation water into subsurface soils adjacent to the structure could cause settlement.
4. This Plan is prepared to establish on-site drainage and grading criteria only. BLI assumes no responsibility for subsurface analysis, foundation/structural design,or utility design.
5. Local codes may require all footings to be placed in natural undisturbed soil. If the Contractor plans to place footings on engineered fill, a certification by a registered Professional Engineer will be required. If the contractor wishes BLI to prepare the Certification, we must be notified PRIOR to placement of the fill.
6. BLI recommends that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.
7. The property boundary shown on this Plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey. A boundary survey performed by a licensed New Mexico Registered Professional Surveyor is recommended prior to construction.

PROJECT DATA

PROPERTY ADDRESS
2525 BROADWAY BLVD. SE
ALBUQUERQUE NM, 87102

LEGAL DESCRIPTION
TRACTS 1A AND 1B, LANDS OF RAYCO, ALBUQUERQUE BERNALILLO COUNTY, NM

MAPPING
ALL PROJECT SURVEYING BY HARRIS SURVEYING, INC. JANUARY, 2007

PROJECT BENCHMARK
ACS MONUMENT "1-M14"
ELEVATION 4945.64 FEET

DATUM NGVD 1988

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro Blvd. NE. Bldg. 1, Suite 1200
Albuquerque, New Mexico 87110
Phone: (505) 888-6088 Fax: (505) 888-6188

AS-BUILT INFORMATION

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

MICRO-FILM INFORMATION — DATE

BENCHMARKS

ACS brass disc "1-M14", NAVD 1988: ELEVATION = 4945.64 FEET

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DENNIS A. LORENZ — NEW MEXICO — 6985 — REGISTERED PROFESSIONAL ENGINEER — 01-15-07

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

		DATE
DESIGNED BY	DAL	DATE 01-15-07
DRAWN BY	KRH	DATE 01-15-07
CHECKED BY	DAL	DATE 01-15-07

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

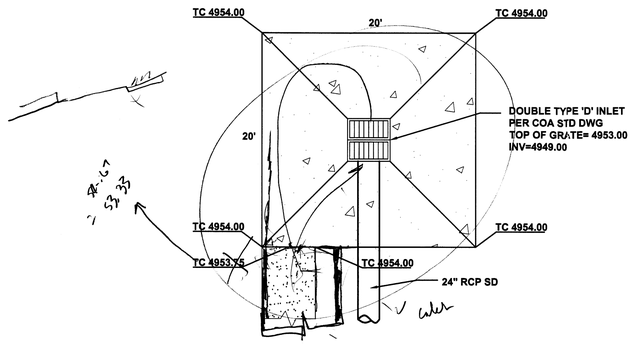
TITLE:
WISE RECYCLING CENTER
GRADING AND DRAINAGE PLAN

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

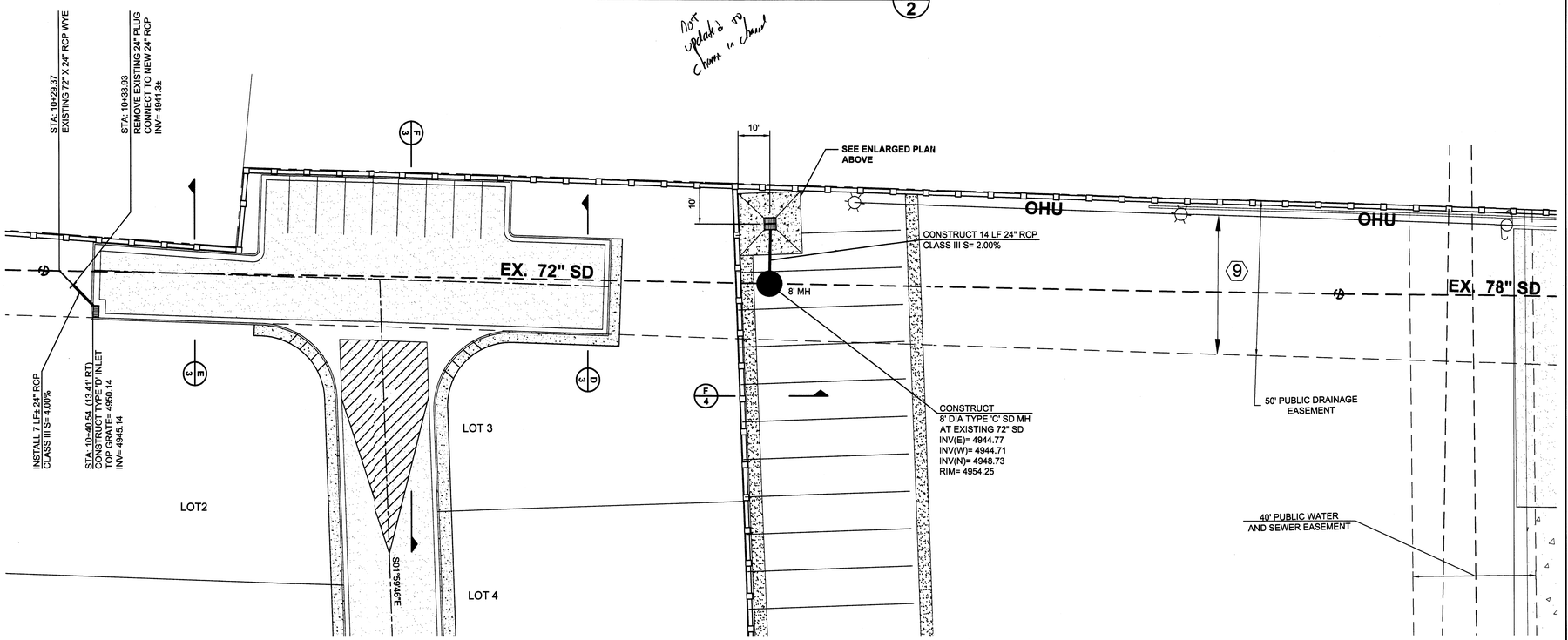
City Project No.

Zone Map No. M-14

Sheet 1 of 4

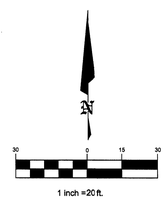


ENLARGED SUMP INLET PLAN (B/2)



PLAN (A/2)

1"= 20'



LEGEND

ITEM	EXISTING	PROPOSED
STORM SEWER	36" STS	36" STS
CURB AND GUTTER		
HEADER CURB		
DROP INLET	TOP CONC. ELEV. FLOWLINE ELEV.	TOP CONC. ELEV. FLOWLINE ELEV.
CURB ELEVATIONS		
RIGHT OF WAY		
EASEMENT		
POWER POLE (GUYED)	PP	PP
CENTERLINE		
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
TOP OF CURB ELEV.	TC 16.2	TC 16.2
ASPHALT PAVING		
WALL		

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
DATE

BENCHMARKS
ACS MONUMENT "114-L14" EL= 4958.507
ACS MONUMENT "115-L14" EL= 4964.923

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DENNIS A. LORENZ
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
8-25-06

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	D.A.L.	DATE 08-2006
DRAWN BY	KRH	DATE 08-2006
CHECKED BY	D.A.L.	DATE 08-2006

DATUM: NAVD 1988

BRASHER & LORENZ
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

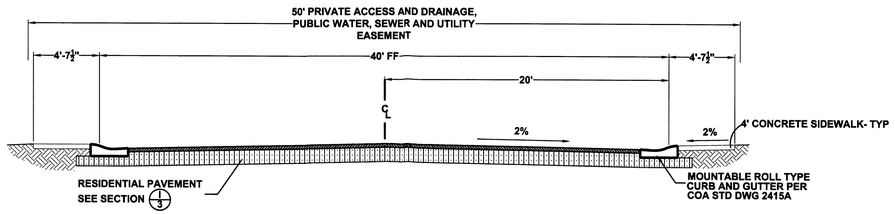
WISE RECYCLING CENTER
STORM INLETS
STORM SEWER PLAN & PROFILE

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

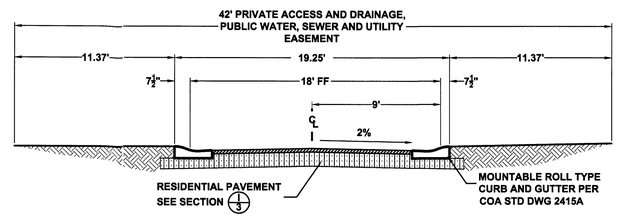
City Project No.

Zone Map No. M-14

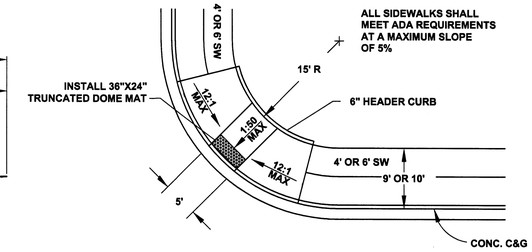
Sheet 2 of 4



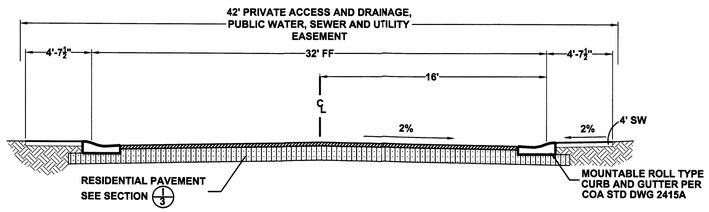
ROAD SECTION (A / 3) NTS



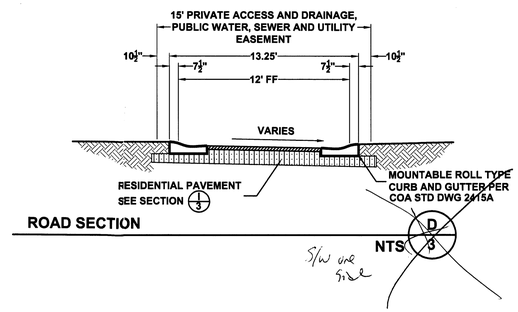
ROAD SECTION (C / 3) NTS



HANDICAP ACCESS RAMP DETAIL PER COA STD. DWG 2441 CASE II (J / 3) NTS

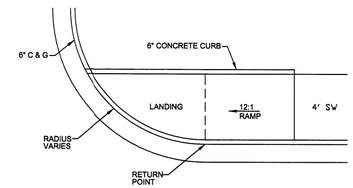


ROAD SECTION (B / 3) NTS

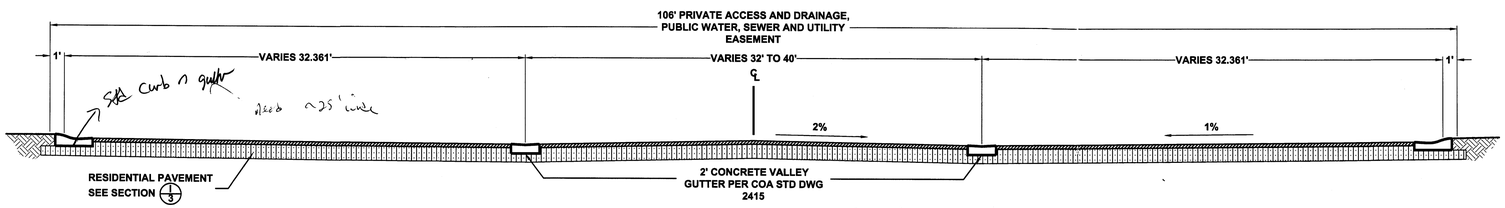


ROAD SECTION (D / 3) NTS

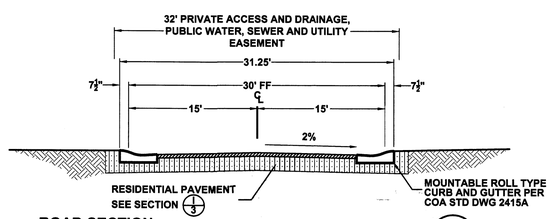
S/W one side



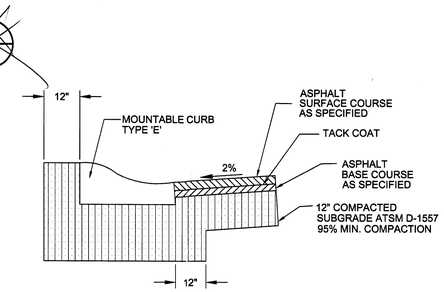
HANDICAP ACCESS RAMP DETAIL (K / 3) NTS



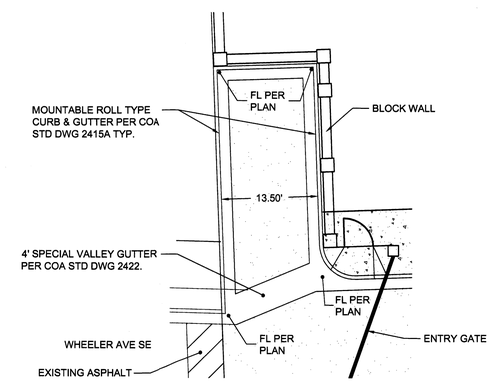
ROAD SECTION (E / 3) NTS



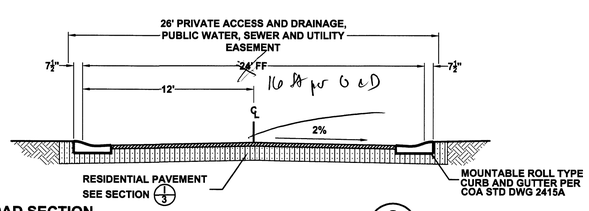
ROAD SECTION (F / 3) NTS



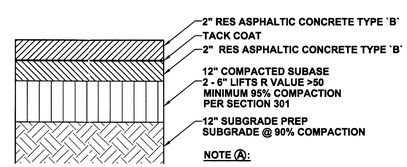
SUBGRADE JOINT AT CURB DETAIL (H / 3) NTS



VALLEY GUTTER DETAIL (L / 3) NTS



ROAD SECTION (G / 3) NTS



NOTE (A):

IF 'R' VALUE IS LESS THAN 50 CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL AND REPLACE WITH SUITABLE MATERIAL (R > 50) TO A MINIMUM DEPTH OF 24"

RESIDENTIAL PAVEMENT SECTION (I / 3) NTS

AS-BUILT INFORMATION

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

MICRO-FILM INFORMATION | DATE

BENCHMARKS

ACS MONUMENT "14-L14" EL.= 4958.507
ACS MONUMENT "15-L14" EL.= 4964.823

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DESIDERIO A. LORENZO NEW MEXICO 9647 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY	D.A.L.	DATE 08-2006
DRAWN BY	KRH	DATE 08-2006
CHECKED BY	D.A.L.	DATE 08-2006

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CONSULTING ENGINEERS
2201 San Pedro Blvd. NE Bldg. 1, Suite 1200
Albuquerque, New Mexico 87110
Phone: (505) 888-6088 Fax: (505) 888-6188

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WISE RECYCLING CENTER
STREET PAVING DETAILS

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

City Project No.	Zone Map No.	Sheet
	M-14	3 of 4

RETAINING WALL NOTES:

1. All cells with reinforcement shall be completely filled with concrete
2. All wall sections are designed based on special inspection per UBC.
3. All footing continuous reinforcement shall have a 28" min. lap splice; splices in adjacent reinforcement shall not be more than 3 feet apart.
4. Concrete shall be protected from high temperatures in compliance with ACI 305. and shall not be poured when mix temperature is above 90 degrees F.
5. Concrete shall not be dropped through reinforcement such that segretation of cement and aggregates occurs.
6. All footing subgrade and base shall be compacted to 95% modified proctor per ASTM D-1557.
7. Rubber flanged control joints in masonry shall be provided at 24' O.C.; control joints shall be sealed both sides of wall with elastomeric sealant.
8. All masonry units shall be hollow conforming to ASTM C90, Grade N, and shall have cured for at least 28 days before placement in wall.
9. All masonry shall be laid in running bond only, and placed without waste grout in interior joints to obstruct continuously filled cells.
10. THIS RETAINING WALL IS DESIGNED EXCLUSIVELY FOR USE ON WISE RECYCLING AND IS NOT APPLICABLE TO ANY OTHER SITE.
11. Wall design assumes that a 4'-8" garden wall of 6" CMU will be constructed on top of the retaining wall.
12. All masonry surfaces to be backfilled against shall be coated with emulsified asphalt, or other moisture barrier as approved by the Engineer.
13. Before construction, the contractor shall field verify the horizontal and vertical location of any utilities which may be within the work area.
14. Reinforcement for concretre poured on grade shall be supported by steel chairs.
15. Walls are designed assuming the following:

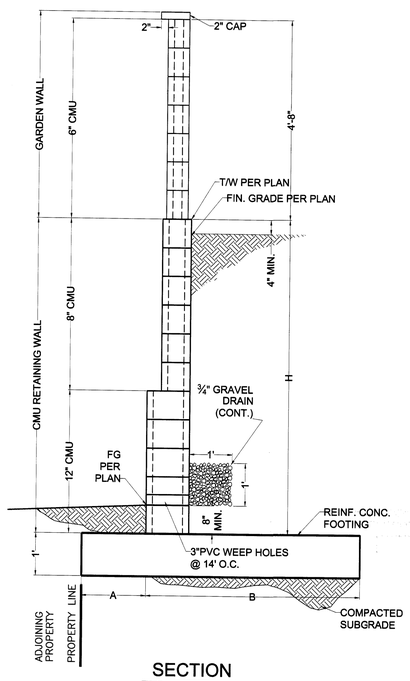
f'c=4000 psi: maximum aggregate size shall be per ASTM C33; max. slump 4"; no admixtures allowed.
fy=60,000 psi (ASTM A-615 GR 60); all deformed, non-coated, cold bent
fm=1500 psi
Unit weight of backfill = 110 pcf
Concrete/soil coeff of friction = 0.40
Allowable soil bearing pressure = 1500 psf
Active pressure = 35 psf/ft
Slope active pressure = 35 psf/ft
Passive pressure = 300 psf/ft

In the event any of these criteria cannot be met, or if the results of a site-specific geotechnical investigation indicate that these parameters are not appropriate, the Engineer must be consulted for possible modifications to the design.

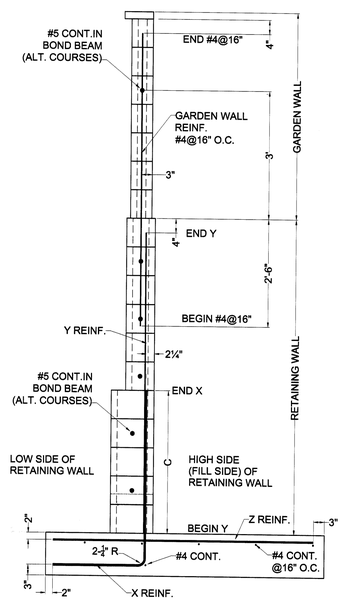
REINFORCEMENT SCHEDULE

Ⓗ RANGE	A	B	C	12" CMU	8" CMU	Ⓧ	Ⓨ	Ⓩ
6'-8" - 7'-4"	1'-6"	5'-0"	3'-10"	5 CRSES	6 CRSES	#5@8"	#5@16"	#5@16"
6'-0" - 6'-8"	1'-3"	4'-6"	3'-2"	4 CRSES	6 CRSES	#5@8"	#5@16"	#5@16"
5'-4" - 6'-0"	1'-0"	4'-0"	3'-2"	3 CRSES	6 CRSES	#5@8"	#5@16"	#5@16"
4'-8" - 5'-4"	1'-0"	3'-6"	3'-2"	2 CRSES	6 CRSES	#5@8"	#5@16"	#4@16"
4'-0" - 4'-8"	1'-0"	2-9"	3'-2"	1 CRSES	6 CRSES	#5@16"	#5@16"	#4@16"
3'-4" - 4'-0"	1'-0"	2'-3"	3'-2"	-	6 CRSES	#5@16"	#5@16"	-
2'-8" - 3'-4"	1'-0"	2'-0"	3'-0"	-	5 CRSES	#5@16"	-	-
2'-0" - 2'-8"	0'-10"	2'-0"	2'-4"	-	4 CRSES	#4@16"	-	-
1'-4" - 2'-0"	0'-10"	1'-8"	1'-8"	-	3 CRSES	#4@16"	-	-

(DIMENSION "C" IS THE DISTANCE THAT "X" REINFORCEMENT EXTENDS UPWARD ABOVE THE TOP OF THE FOOTING)

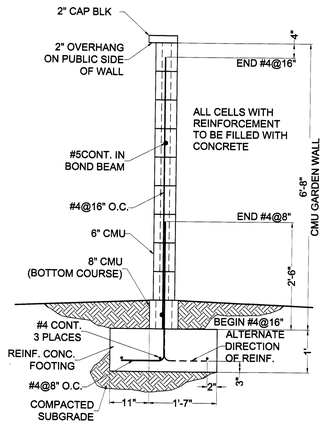


SECTION
NTS

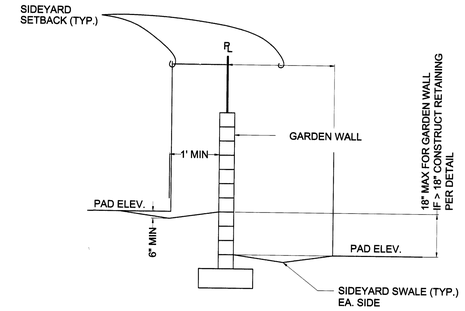


REINFORCEMENT
NTS

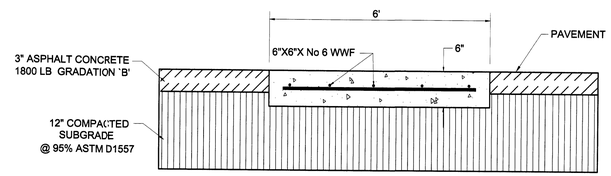
WISE RECYCLING RETAINING WALL DETAILS (A/4)
NTS



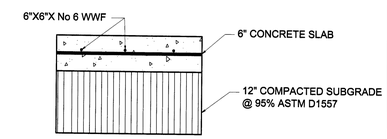
CMU GARDEN WALL DETAIL (B/4)
NTS



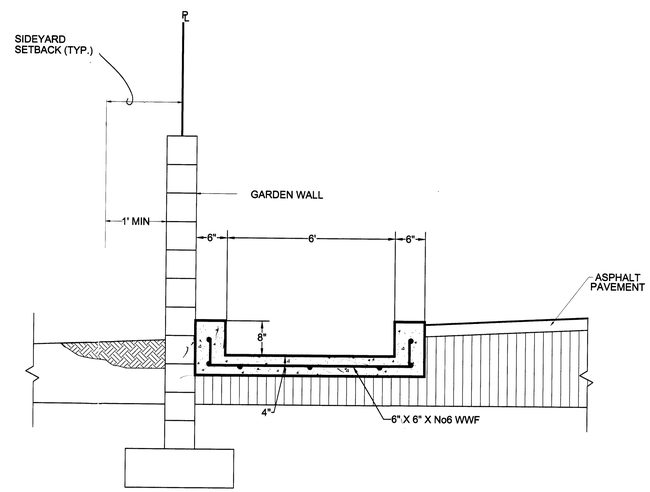
SIDEYARD GRADING DETAIL (C/4)
NTS



CONCRETE SLAB FOR TRAILERS (D/4)
NTS



CONCRETE PAVEMENT SECTION (E/4)
NTS



CONCRETE CHANNEL DETAIL (F/4)
NTS

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION — DATE

BENCHMARKS
ACS MONUMENT "14-L14" EL.= 4958.507
ACS MONUMENT "15-L14" EL.= 4964.823

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DENNIS A. LORENZ NEW MEXICO 9596 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY	D.A.L	DATE 08-2006
DRAWN BY	KRH	DATE 08-2006
CHECKED BY	D.A.L	DATE 08-2006

BRASHER & LORENZ
CONSULTING ENGINEERS
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Albuquerque, New Mexico 87110
Phone: (505) 888-6088 Fax: (505) 888-6188

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WISE RECYCLING CENTER
GRADING, DRAINAGE & WALL DETAILS

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

City Project No.

Zone Map No. M-14

Sheet 4 of 4

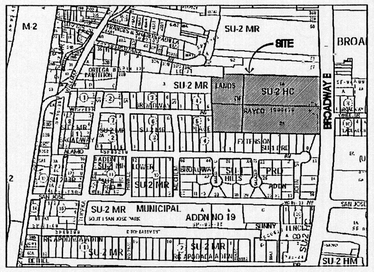
PARKING REQUIREMENTS

OFFICE AREA (1 PER 200 S.F.)	3,053/200 = 15 SPACES
WAREHOUSE AREA (1 PER 2000 S.F.)	26,947/2000 = 13 SPACES
EXISTING BUILDING AREA (1 PER 2000 S.F.)	6,600/2000 = 3 SPACES
HC. SPACES REQUIRED:	36-50 PARKING SPACES = 3
PARKING PROVIDED:	37 REG. SPACES (9'x20')
HC. PARKING PROVIDED:	3 HC. VAN SPACE (9'x20')
TOTAL PARKING PROVIDED:	40 TOTAL PARKING SPACES

LEGAL DESCRIPTION

TRACTS NUMBERED ONE-A (1-A) AND TWO-A (2-A) OF THE PLAT OF TRACTS 1-A AND 2-A, LANDS OF RAYCO, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

RESIDENTAL HOUSING TO BE BUILT UNDER SEPARATE BUILDING PERMIT, SITE DRAINAGE, AND CMU BLOCK SITE WALLS TO BE BUILT UNDER THIS BUILDING PERMIT.



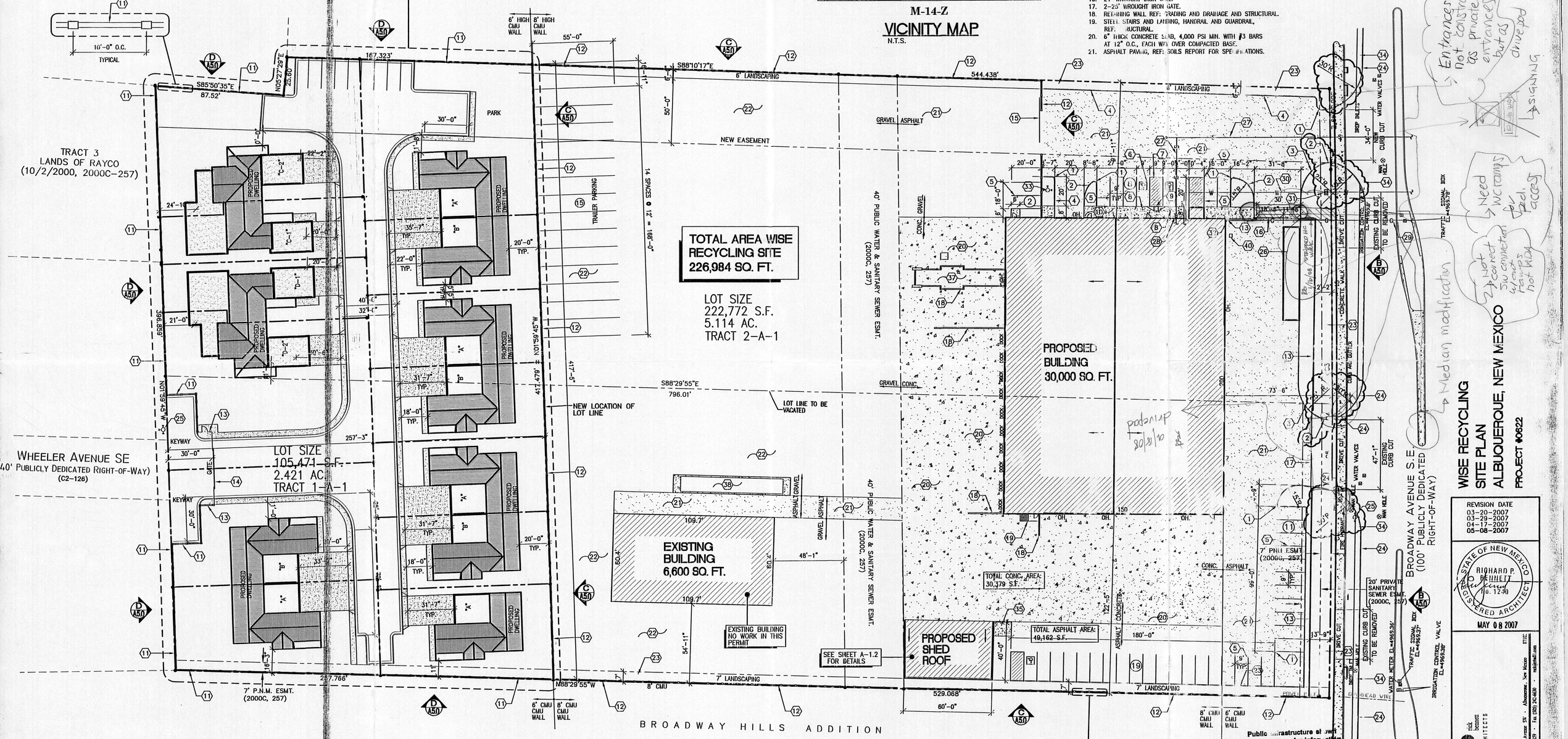
M-14-Z

VICINITY MAP

N.T.S.

KEYED NOTES

1. 2'-0" RADIUS, TYPICAL.
2. 15'-0" RADIUS, TYPICAL.
3. 25'-0" RADIUS, TYPICAL.
4. 6" RAISED CURB, REF: DETAIL 1/C-2.
5. 2" WIDE PAINTED PARKING STRIPE PER CITY OF ALBUQUERQUE STANDARDS, TYPICAL.
6. PAINTED H.C. SYMBOL, REF: DETAIL 7/C-2.
7. H.C. ACCESSIBLE ASILE, REF: DETAIL 7/C-2.
8. H.C. PARKING SIGNAGE, REF: DETAIL 5/C-2.
9. H.C. ACCESSIBLE CURB RAMP, REF: DETAIL 6/C-2.
10. CONCRETE SIDE WALK, REF: DETAIL 2/C-2.
11. 6' HIGH 6x8x16 CMU WALL WITH 12x12x16 CMU PILASTERS, REF: DETAIL 11/C-2.
12. 8' HIGH 8x8x16 CMU WALL WITH 12x12x16 CMU PILASTERS, REF: DETAIL 11/C-2.
13. 6' HIGH 8X8X16 CMU WALL WITH WROUGHT IRON FENCE, REF: DETAIL 13/C-2.
14. 6' HIGH WROUGHT IRON SLIDING GATE.
15. 30' LONG SLIDING GATE.
16. 24' WROUGHT IRON GATE.
17. 2-25' WROUGHT IRON GATE.
18. RETAINING WALL REF: GRADING AND DRAINAGE AND STRUCTURAL.
19. STEEL STAIRS AND LANDING, HANDRAIL AND GUARDRAIL, REF: STRUCTURAL.
20. 6" THICK CONCRETE SLAB, 4,000 PSI MIN. WITH #3 BARS AT 12" O.C., EACH WAY OVER COMPACTED BASE.
21. ASPHALT PAVING, REF: SOILS REPORT FOR SPECIFICATIONS.
22. 6" GRAVEL GROUND COVER OVER COMPACTED BASE.
23. LANDSCAPING SETBACK, SEE LANDSCAPING PLAN.
24. EXISTING CURB AND GUTTER.
25. EXISTING FIRE HYDRANT.
26. 10'x60' TRUCK SCALE IN PIT BY OWNER, SEE SHEET S-5 FOR DETAILS
27. 4" WASTE LINE, REF: WASTE PLAN FOR CONTINUATION.
28. DOUBLE CLEAN OUTS.
29. 3 1/2" GAS LINE, REF: GAS PIPING PLAN FOR CONTINUATION.
30. 1 1/4" WATER LINE.
31. WATER METER.
32. GAS METER.
33. NEW FIRE HYDRANT.
34. EXISTING SIDE WALK, FIELD VERIFY WIDTH.
35. ROLL OFF DUMPSTER WITH 10'x12' CONCRETE PAD.
36. NOT USED.
37. TRUCK DUMP AND CONVEYER PIT, SEE SHEET S-5 FOR DETAILS.
38. 10'x70' TRUCK SCALE BY OWNER, SEE SHEET S-6 FOR DETAILS.
40. CONDENSER ON CONC. PAD, REF: MECHANICAL.



LINE TABLE					
NUMBER	DELTA ANGLE	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH
C1	00°46'05"	N 00°14'14"	11873.07	159.16	159.16
C2	00°57'55"	S 00°37'48"	11873.07	200.02	200.02

SITE PLAN

1/C1 1"=30'

BAR SCALE 0 10' 30' 60' (IN FEET)

LEGEND

- ASPHALT PAVING
- GRAVEL
- FUTURE RESIDENTIAL AREA
- CONCRETE PAD

CIRCULATION LAYOUT APPROVED

Signature Date 5/17/07

RECEIVED JAN 16 2008 LAND DEVELOPMENT SECTION

WISE RECYCLING SITE PLAN ALBUQUERQUE, NEW MEXICO

PROJECT #0622

REVISION DATE
03-20-2007
03-29-2007
04-17-2007
05-08-2007

STATE OF NEW MEXICO RICHARD P. BENNETT No. 1290 REGISTERED ARCHITECT

MAY 08 2007

rick bennett ARCHITECTS
1104 2nd Avenue SW - Albuquerque, New Mexico 87102
(505) 242-1629 - Fax (505) 242-4620 - rickbennett.com

DATE 02-27-2007

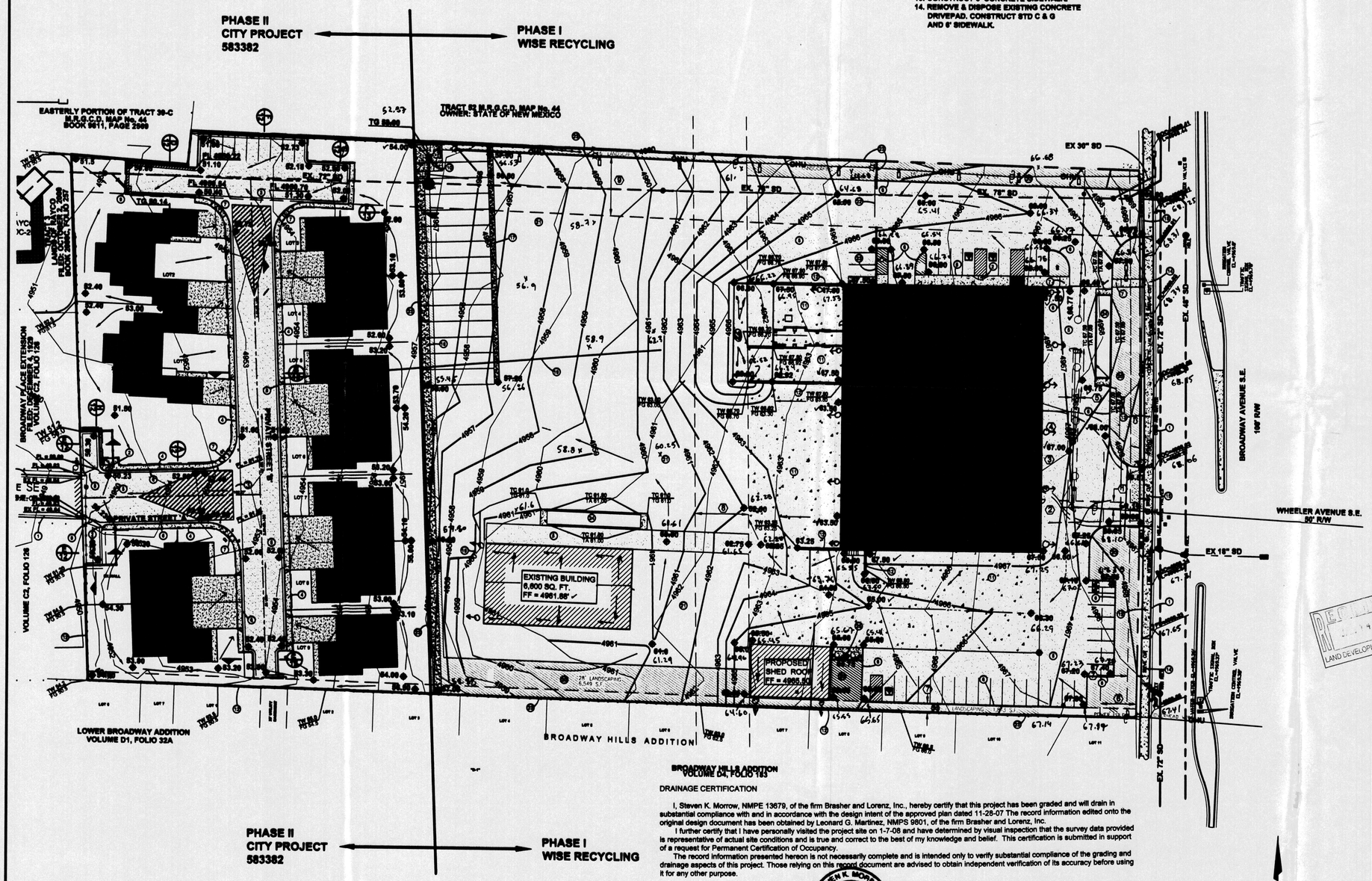
SHEET NUMBER C-1

EASEMENT SCHEDULE

1. 5' P.U.E., FILED 02/20/2003; BK. 2003C, Pg. 45
2. 5' PRIVATE UTILITY EASEMENT, FILED 02/20/2003; BK. 2003C, PG. 45
3. PRIVATE DRIVEWAY EASEMENT, FILED IN BK. 2000C, FOLIO 257
4. PRIVATE WATER, SANITARY SEWER AND P.U.E., FILED 02/20/2003; BK. 2003C, PG. 45
5. 5' PNM EASEMENT, FILED IN BK. 2000C, FOLIO 257
6. 20' PRIVATE SANITARY SEWER EASEMENT, FILED IN BK. 2000C, FOLIO 257
7. 7' PNM EASEMENT, FILED IN BK. 2000C, FOLIO 257
8. 40' PUBLIC WATER AND SANITARY SEWER EASEMENT, FILED IN BK. 2000C, FOLIO 257
9. PUBLIC UNDERGROUND DRAINAGE EASEMENT, FILED 02/20/2003; BK. 2003C, PG. 45

KEYED NOTES

1. EXISTING CONCRETE STANDARD CURB AND GUTTER. PER COA STD DWG 2415A.
2. CONSTRUCT ACCESS RAMP PER DETAIL.
3. CONSTRUCT NEW CONCRETE VALLEY GUTTER. PER COA STD DWG 2420.
4. CONSTRUCT 4' CONCRETE SIDEWALK.
5. CONSTRUCT NEW ASPHALT.
6. CONSTRUCT NEW 6" CONCRETE CURB.
7. CONSTRUCT CURB ACCESS RAMP PER DETAIL.
8. CONSTRUCT CONCRETE VALLEY GUTTER PER DETAIL.
9. CONSTRUCT NEW SINGLE TYPE 'D' INLET PER COA DWG 2209.
10. CONSTRUCT NEW DOUBLE TYPE 'D' INLET PER DETAIL.
11. CONSTRUCT CONCRETE PAVEMENT.
12. CONSTRUCT RETAINING WALL.
13. CONSTRUCT 6' CONCRETE SIDEWALK.
14. REMOVE & DISPOSE EXISTING CONCRETE DRIVEPAD. CONSTRUCT STD C & G AND 6' SIDEWALK.
15. CONSTRUCT CONCRETE DRIVEPAD PER COA STD DWG 2426.
16. CONSTRUCT CONCRETE SIDEWALK.
17. CONSTRUCT 6' WIDE CONCRETE SLAB, Not Built FOR TRAILER LEG SUPPORT. SEE DETAIL.
18. CONSTRUCT CONCRETE CHANNEL. SEE DETAIL.
19. EXISTING WALL - Removed
20. NEW LANDSCAPING
21. CONSTRUCT GRAVEL PAVEMENT
22. NEW SLIDING GATE
23. 8' HIGH CMU WALL
24. NEW VSCALE TRUCK
25. CONSTRUCT REFUSE ENCLOSURE
26. Concrete not built.



DRAINAGE CERTIFICATION

I, Steven K. Morrow, NMPE 13679, of the firm Brasher and Lorenz, Inc., hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated 11-28-07 The record information edited onto the original design document has been obtained by Leonard G. Martinez, NMPS 9801, of the firm Brasher and Lorenz, Inc.

I further certify that I have personally visited the project site on 1-7-08 and have determined by visual inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Permanent Certification of Occupancy.

The record information presented hereon is not necessarily complete and is intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

Steven K. Morrow, NMPE 13679

1-14-08
Date

STEVEN K. MORROW
NEW MEXICO
13679
REGISTERED PROFESSIONAL ENGINEER

1-14-08

LEGEND

ITEM	EXISTING	PROPOSED
MOUNTABLE CURB AND GUTTER		
HEADER CURB		
CURB ELEVATIONS	TOP CURB EXP FLOW LINE ELEV.	TOP CURB EXP FLOW LINE ELEV.
SPOT ELEV.	× 16.7	◆ 16.7
RIGHT OF WAY		
EASEMENT		
CENTERLINE		
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
RETAINING WALL		
FLOW LINE ELEV.	EX FL 16.2	FL 16.2
DRAINAGE SWALE		
DIRECTION OF FLOW		
TRAFFIC CONTROL BOX	T	
WATER METER		
IRRIGATION CONTROL BOX	I	
EXISTING GATE		
POWER POLE (GUYED)	PP	PP
LIGHT POLE		
ASPHALT PAVING		
ASPHALT PAVING		
WALL		
CONTOUR W/ ELEV	4992	4992
STANDARD CURB & GUTTER		
ROOF DRAIN		
AS-BUILT ELEV.		⊕ 16.9

DRAINAGE PLAN NOTES

1. BLI recommends that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation/structural design.
2. This Plan recommends positive drainage away from all structures to prohibit ponding of runoff which may cause structural settlement. Future alteration of grades adjacent to the proposed structures is not recommended.
3. Irrigation within 10 feet of any proposed structure is not recommended. Introduction of irrigation water into subsurface soils adjacent to the structure could cause settlement.
4. This Plan is prepared to establish on-site drainage and grading criteria only. BLI assumes no responsibility for subsurface analysis, foundation/structural design,or utility design.
5. Local codes may require all footings to be placed in natural undisturbed soil. If the Contractor plans to place footings on engineered fill, a certification by a registered Professional Engineer will be required. If the contractor wishes BLI to prepare the Certification, we must be notified PRIOR to placement of the fill.
6. BLI recommends that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.
7. The property boundary shown on this Plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey. A boundary survey performed by a licensed New Mexico Registered Professional Surveyor is recommended prior to construction.

REVIEWED FOR CONFORMANCE WITH ORDINANCE
LAND DEVELOPMENT SECTION

PROJECT DATA

PROPERTY ADDRESS
2828 BROADWAY BLVD. SE
ALBUQUERQUE NM, 87102

LEGAL DESCRIPTION
TRACTS 1A AND 1B, LANDS OF RAYCO, ALBUQUERQUE
BERNALILLO COUNTY, NM

MAPPING
ALL PROJECT SURVEYING BY HARRIS SURVEYING, INC. JANUARY, 2007

PROJECT BENCHMARK
ACS MONUMENT "1-M14"
ELEVATION 4945.64 FEET

DATUM NGVD 1988

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro Blvd. NE Bldg. 1, Suite 1200
Albuquerque, New Mexico 87110
Phone: (505) 888-8088 Fax: (505) 888-8189

AS-BUILT INFORMATION
CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION | DATE

BENCHMARKS
ACS brass disc "1-M14", NAVD 1988, ELEVATION = 4945.64 FEET

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
STEVEN K. MORROW
NEW MEXICO
13679
REGISTERED PROFESSIONAL ENGINEER
11-28-07

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY	DAL	DATE 09-12-07
DRAWN BY	KRH	DATE 09-12-07
CHECKED BY	DAL	DATE 09-12-07

DESIGN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

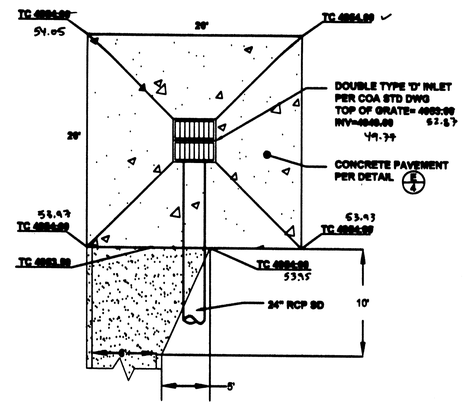
TITLE:
WISE RECYCLING CENTER
GRADING AND DRAINAGE PLAN

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

City Project No.

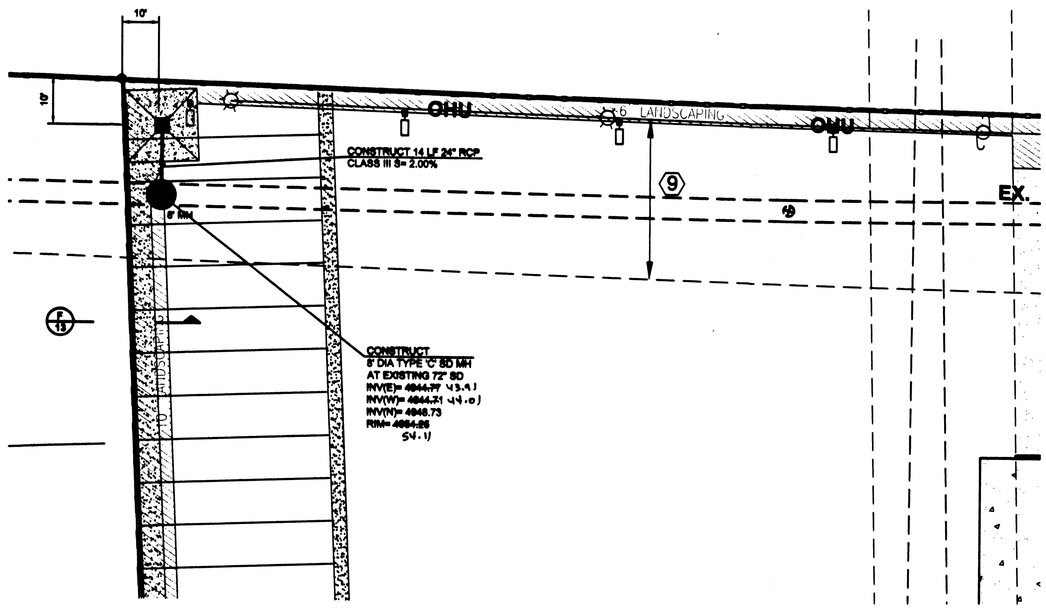
Zone Map No. M-14 | Sheet 1 of 4

40 0 20 40
1 inch = 40 ft.



ENLARGED SUMP INLET PLAN (B/2)

NTS



PLAN (A/2)

1"= 20'

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF WAY
NOTICE TO CONTRACTOR

1. AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", 1986 EDITION, AS AMENDED THROUGH UPDATE NO. 7.
3. THREE WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234 FOR THE LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE 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. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

APPROVALS

Duane Schmidt 1-14-08

INSPECTOR DATE

LEGEND

ITEM	EXISTING	PROPOSED
STORM SEWER	36" STS	36" STS
MOUNTABLE CURB AND GUTTER		
HEADER CURB		
DROP INLET		
CURB ELEVATIONS	TOP GRADE ELEV / FLOWLINE ELEV	TOP GRADE ELEV / FLOWLINE ELEV
RIGHT OF WAY		
EASEMENT		
POWER POLE (GUYED)	PP	PP
CENTERLINE		
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
TOP OF CURB ELEV.	TC 16.2	TC 16.2
ASPHALT PAVING		
WALL		
STANDARD CURB & GUTTER		

1 inch =20 ft.

DATUM: NAVD 1988

BRASHER & LORENZ
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Albuquerque, New Mexico 87110
Phone: (505) 888-5088 Fax: (505) 888-6189

AS-BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION — DATE

BENCHMARKS
ACS MONUMENT "14-L14" EL = 4958.507
ACS MONUMENT "15-L14" EL = 4954.823

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
SANDRA A. LORENZ — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER
11-13-07

NO.	DATE	REMARKS	BY

REVISIONS

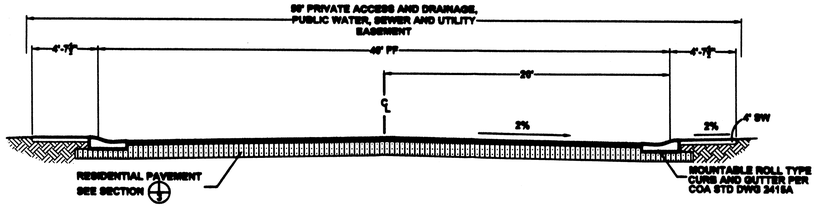
DESIGN		
DESIGNED BY	D.A.L	DATE 08-2008
DRAWN BY	KRH	DATE 08-2008
CHECKED BY	D.A.L	DATE 08-2008

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

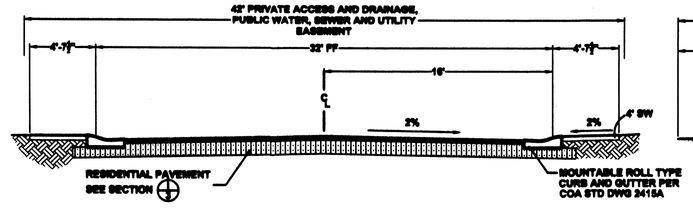
WISE RECYCLING CENTER
STORM INLETS
STORM SEWER PLAN & PROFILE

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

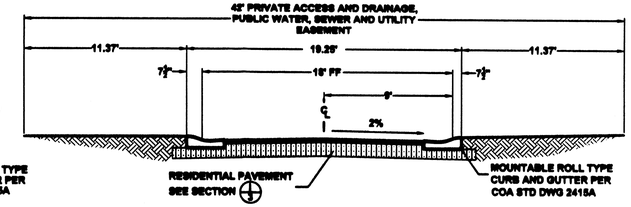
City Project No.	Zone Map No.	Sheet	of
	M-14	2	4



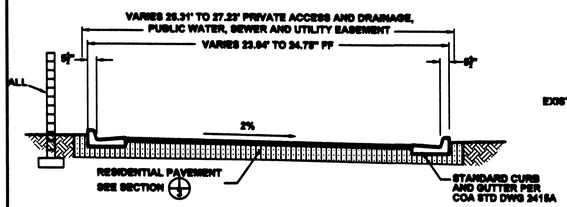
ROAD SECTION A / 3 NTS



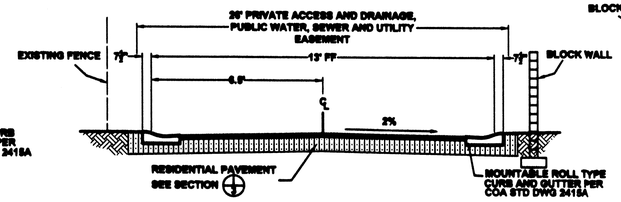
ROAD SECTION B / 3 NTS



ROAD SECTION C / 3 NTS



ROAD SECTION D / 3 NTS



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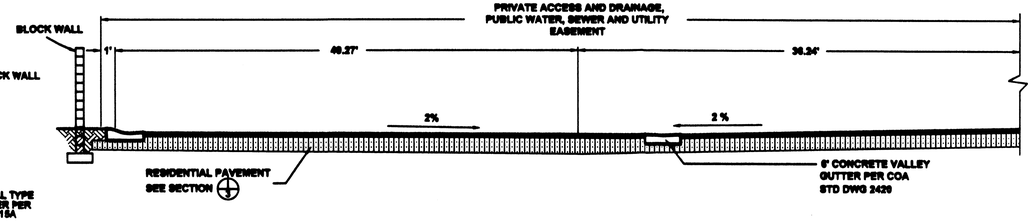

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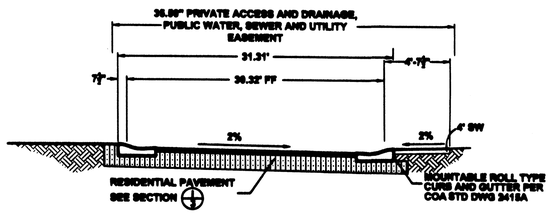

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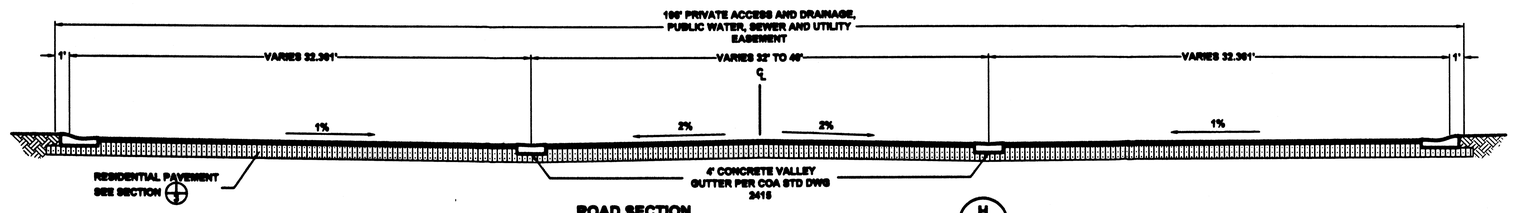

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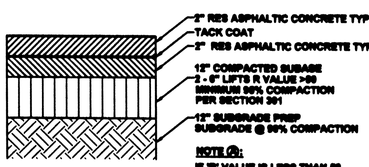
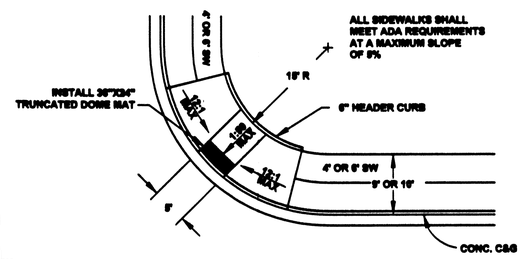
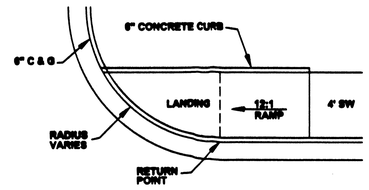


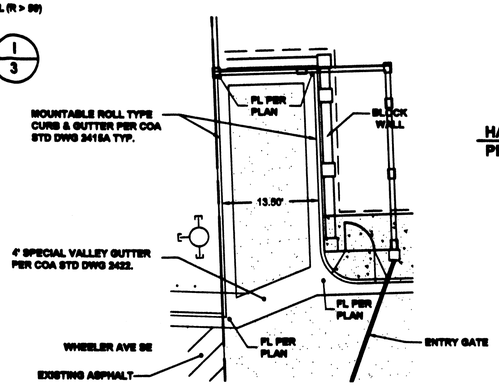
RESIDENTIAL PAVEMENT SECTION I / 3 NTS



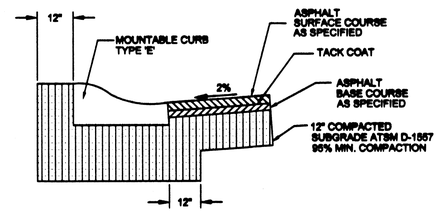
HANDICAP ACCESS RAMP DETAIL J / 3 NTS
PER COA STD. DWG 2441 CASE II



HANDICAP ACCESS RAMP DETAIL K / 3 NTS



VALLEY GUTTER DETAIL L / 3 NTS



SUBGRADE JOINT AT CURB DETAIL M / 3 NTS

AS-BUILT INFORMATION

CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTORS ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION | DATE

BENCHMARKS

ACS MONUMENT "14-L1-4" EL = 4608.597
ACS MONUMENT "15-L1-4" EL = 4604.823

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

11-29-07

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY	D.A.L.	DATE 08-2008
DRAWN BY	KRH	DATE 08-2008
CHECKED BY	D.A.L.	DATE 08-2008

BRASHER & LORENZ
CONSULTING ENGINEERS
2301 San Pedro Blvd. NE Bldg. 1, Suite 1200
Albuquerque, New Mexico 87110
Phone: (505) 888-8088 Fax: (505) 888-8168

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WISE RECYCLING CENTER
STREET PAVING DETAILS

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

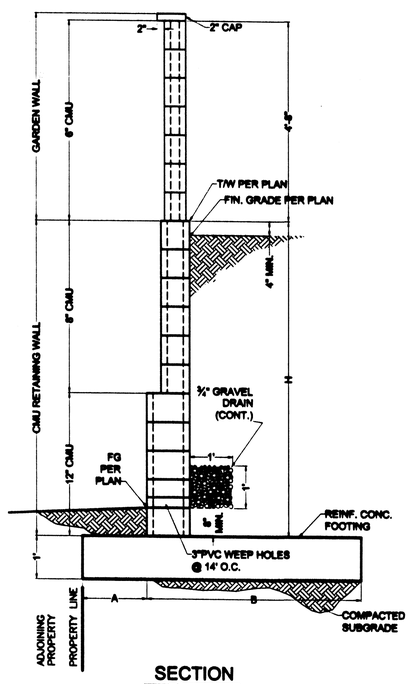
City Project No.	Zone Map No.	Sheet	of
	M-14	3	4

RETAINING WALL NOTES:
1. All cells with reinforcement shall be completely filled with concrete
2. All wall sections are designed based on special inspection per UBC.
3. All footing continuous reinforcement shall have a 28" min. lap splice; splices in adjacent reinforcement shall not be more than 3 feet apart.
4. Concrete shall be protected from high temperatures in compliance with ACI 305. and shall not be poured when mix temperature is above 90 degrees F.
5. Concrete shall not be dropped through reinforcement such that segregation of cement and aggregates occurs.
6. All footing subgrade and base shall be compacted to 95% modified proctor per ASTM D-1557.
7. Rubber flanged control joints in masonry shall be provided at 24' O.C.; control joints shall be sealed both sides of wall with elastomeric sealant.
8. All masonry units shall be hollow conforming to ASTM C90, Grade N, and shall have cured for at least 28 days before placement in wall.
9. All masonry shall be laid in running bond only, and placed without waste grout in interior joints to obstruct continuously filled cells.
10. THIS RETAINING WALL IS DESIGNED EXCLUSIVELY FOR USE ON WISE RECYCLING AND IS NOT APPLICABLE TO ANY OTHER SITE.
11. Wall design assumes that a 4'-8" garden wall of 6" CMU will be constructed on top of the retaining wall.
12. All masonry surfaces to be backfilled against shall be coated with emulsified asphalt, or other moisture barrier as approved by the Engineer.
13. Before construction, the contractor shall field verify the horizontal and vertical location of any utilities which may be within the work area.
14. Reinforcement for concretre poured on grade shall be supported by steel chairs.
15. Walls are designed assuming the following:
f'c=4000 psi: maximum aggregate size shall be per ASTM C33; max. slump 4"; no admixtures allowed.
fy=60,000 psi (ASTM A-615 GR 60); all deformed, non-coated, cold bent
fm=1500 psi
Unit weight of backfill = 110 pcf
Concrete/soil coeff of friction = 0.40
Allowable soil bearing pressure = 1500 psf
Active pressure = 35 psf/ft
Slope active pressure = 35 psf/ft
Passive pressure = 300 psf/ft
In the event any of these criteria cannot be met, or if the results of a site-specific geotechnical investigation indicate that these parameters are not appropriate, the Engineer must be consulted for possible modifications to the design.

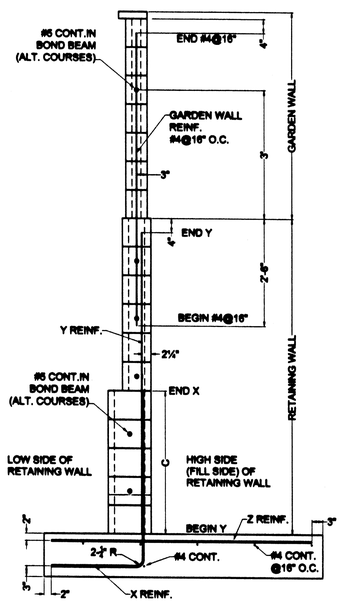
REINFORCEMENT SCHEDULE

(H) RANGE	A	B	C	12" CMU	8" CMU	(X)	(Y)	(Z)
6'-8" - 7'-4"	1'-6"	5'-0"	3'-10"	5 CRSES	6 CRSES	#5@8"	#5@16"	#5@16"
6'-0" - 6'-8"	1'-3"	4'-6"	3'-2"	4 CRSES	6 CRSES	#5@8"	#5@16"	#5@16"
5'-4" - 6'-0"	1'-0"	4'-0"	3'-2"	3 CRSES	6 CRSES	#5@8"	#5@16"	#5@16"
4'-8" - 5'-4"	1'-0"	3'-6"	3'-2"	2 CRSES	6 CRSES	#5@8"	#5@16"	#4@16"
4'-0" - 4'-8"	1'-0"	2-9"	3'-2"	1 CRSES	6 CRSES	#5@16"	#5@16"	#4@16"
3'-4" - 4'-0"	1'-0"	2'-3"	3'-2"	-	6 CRSES	#5@16"	#5@16"	-
2'-8" - 3'-4"	1'-0"	2'-0"	3'-0"	-	5 CRSES	#5@16"	-	-
2'-0" - 2'-8"	0'-10"	2'-0"	2'-4"	-	4 CRSES	#4@16"	-	-
1'-4" - 2'-0"	0'-10"	1'-8"	1'-8"	-	3 CRSES	#4@16"	-	-

(DIMENSION "C" IS THE DISTANCE THAT "X" REINFORCEMENT EXTENDS UPWARD ABOVE THE TOP OF THE FOOTING)

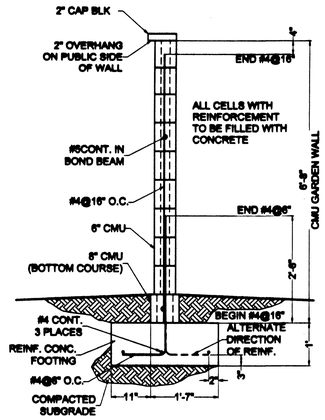


SECTION
NTS

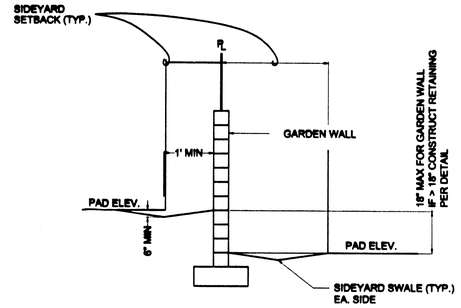


REINFORCEMENT
NTS

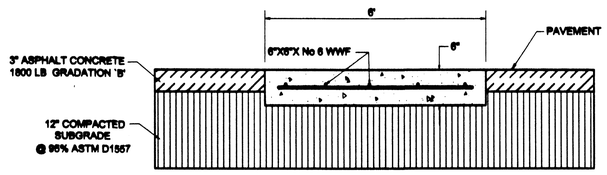
WISE RECYCLING RETAINING WALL DETAILS (A/4)
NTS



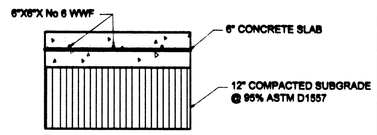
CMU GARDEN WALL DETAIL (B/4)
NTS



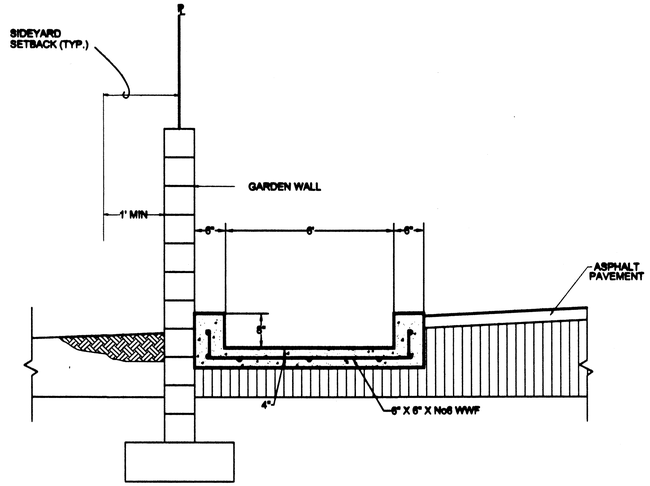
SIDEYARD GRADING DETAIL (C/4)
NTS



CONCRETE SLAB FOR TRAILERS (D/4)
NTS



CONCRETE PAVEMENT SECTION (E/4)
NTS



CONCRETE CHANNEL DETAIL (F/4)
NTS

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
WORK INSPECTED
ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
DATE
MICRO-FILM INFORMATION
DATE

BENCHMARKS
ACS MONUMENT "14-1-14" EL= 4956.597
ACS MONUMENT "15-1-14" EL= 4984.623

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES A. LORENZ NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
11-26-07

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY	D.A.L	DATE 08-2006
DRAWN BY	KRH	DATE 08-2006
CHECKED BY	D.A.L	DATE 08-2006

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro Blvd. NE Bldg. 1, Suite 1200
Albuquerque, New Mexico 87110
Phone: (505) 888-8080 Fax: (505) 888-8188

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WISE RECYCLING CENTER
GRADING, DRAINAGE & WALL DETAILS

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

City Project No.	Zone Map No.	Sheet	of
	M-14	4	4

AMENDED GRADING AND DRAINAGE PLAN

PURPOSE AND SCOPE

THIS AMENDED GRADING AND DRAINAGE PLAN IS PRESENTED TO OUTLINE THE DRAINAGE MANAGEMENT CRITERIA FOR CONTROLLING DEVELOPED RUNOFF GENERATED BY THE PROJECT SITE, AND TO IDENTIFY THE STORM DRAINAGE INFRASTRUCTURE RECOMMENDED TO PROTECT THE SITE FROM OFF-SITE RUNOFF. THE PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW TRUCK SCALE, A NEW LOADING DOCK AND REPAIRS TO AN EXISTING RECYCLING DUMP PIT AT THE EXISTING WISE RECYCLING CENTER. THIS PLAN IS PRESENTED AS AN AMENDMENT TO THE APPROVED GRADING AND DRAINAGE PLAN FOR WISE RECYCLING, DATED NOVEMBER 28, 2007.

SITE DESCRIPTION

PRESENTLY, THE PROJECT SITE IS FULLY DEVELOPED AS A RECYCLING CENTER. THE SITE IS LOCATED AT 2525 BROADWAY BOULEVARD SE IN ALBUQUERQUE, NEW MEXICO (SEE THE VICINITY MAP). THE SITE SLOPES FROM EAST TO WEST AT APPROXIMATELY 2 PERCENT. THE SITE IS BOUNDED BY RESIDENTIAL HOUSING IN THE SOUTH AND WEST. THE SAN JOSE CHURCH AND SCHOOL IS LOCATED TO THE NORTH OF THE SITE, AND BROADWAY BOULEVARD TO THE EAST.

EXISTING DRAINAGE CONDITIONS

THE SITE PRESENTLY DRAINS FROM EAST TO WEST. ON-SITE RUNOFF FLOWS TO THE WEST BOUNDARY AND IS INTERCEPTED BY AN EXISTING AREA DRAIN AT THE NORTHWEST CORNER OF THE SITE THAT DRAINS TO A REGIONAL DETENTION POND THAT IS LOCATED JUST WEST OF THE NORTHWEST QUADRANT OF THE PROPERTY. THE POND ACCEPTS FLOWS FROM A 78-INCH PUBLIC STORM DRAIN ORIGINATING IN BROADWAY BOULEVARD SE. THE STORM DRAIN FLOWS ALONG THE NORTH PROPERTY LINE OF THE SITE WITHIN A PUBLIC DRAINAGE EASEMENT.

THE SITE IS NOT IMPACTED BY ANY OFF-SITE SURFACE DRAINAGE ORIGINATING FROM THE NORTH, SOUTH, EAST OR WEST. ALL FLOWS FROM THE EAST ARE COLLECTED BY THE DRAINAGE IMPROVEMENTS IN BROADWAY BOULEVARD.

AS SHOWN BY THE FIRM PANEL FOR THIS AREA, THIS PROPERTY IS LOCATED WITHIN A ZONE X (500 YEAR) FLOOD ZONE.

PROPOSED CONDITIONS

AS SHOWN BY THE PLAN, THE PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW TRUCK SCALE, A NEW LOADING DOCK AND REPAIRS TO AN EXISTING RECYCLING DUMP PIT AT THE EXISTING WISE RECYCLING CENTER. THE PLAN SHOWS THE ELEVATIONS AND DETAILS REQUIRED TO PROPERLY GRADE AND CONSTRUCT THE PROPOSED SITE IMPROVEMENTS.

THE SITE WILL CONTINUE TO DRAIN TO THE EXISTING AREA DRAIN THAT DRAINS AT THE REGIONAL DETENTION POND. EXISTING SITE DRAINAGE IS MANAGED BY SWALES IN ACCORDANCE WITH THE APPROVED PLAN. THE DIRECTION OF THE DRAINAGE FLOWS ARE GIVEN BY FLOW ARROWS.

PROJECT HYDROLOGY IS TABULATED FOR BOTH EXISTING AND PROPOSED CONDITIONS IN ACCORDANCE WITH THE DPM, VOLUME 2, CHAPTER 22.2. SINCE THE APPROVED GRADING AND DRAINAGE PLAN ASSUMED THE ENTIRE SITE LAND TREATMENT TO BE 100% IMPERVIOUS, THIS PROJECT RESULTS IN NO NET INCREASE IN DEVELOPED PEAK RUNOFF.

TEMPORARY EROSION CONTROL

IF REQUIRED BY THE CITY OF ALBUQUERQUE AND THE ENVIRONMENTAL PROTECTION AGENCY A DETAILED STORM WATER POLLUTION PREVENT PLAN (SWPPP) WILL BE PREPARED TO OUTLINE CRITERIA FOR THE MANAGEMENT OF STORM WATER FLOWS AND THE DISCHARGE OF POTENTIAL POLLUTANTS, BOTH DURING THE CONSTRUCTION PHASE AND LONG TERM LIFE OF THE PROJECT.

PROJECT HYDROLOGY
WISE RECYCLING

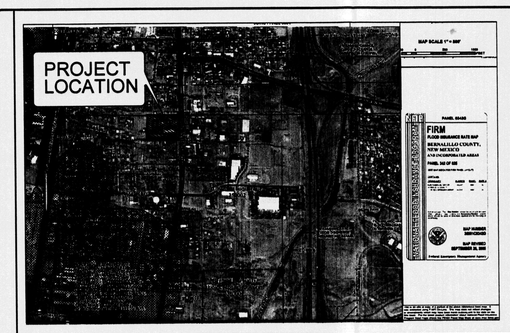
ZONE:	2
P_{6HOUR}	2.35
$P_{10\ DAY}$	3.95

UNDEVELOPED

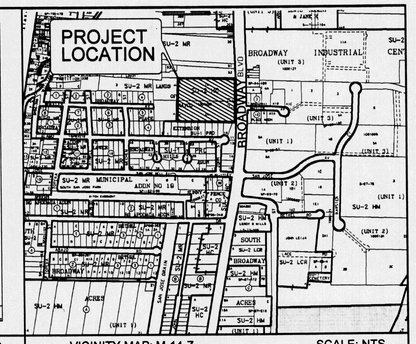
BASIN	AREA (ac)	A (ac)	B (ac)	C (ac)	D (ac)	E	Q (cfs)	VOL (ac ft)
SITE	5.21	0.00	0.00	0.00	5.21	2.12	24.49	0.920

DEVELOPED (PROPOSED):

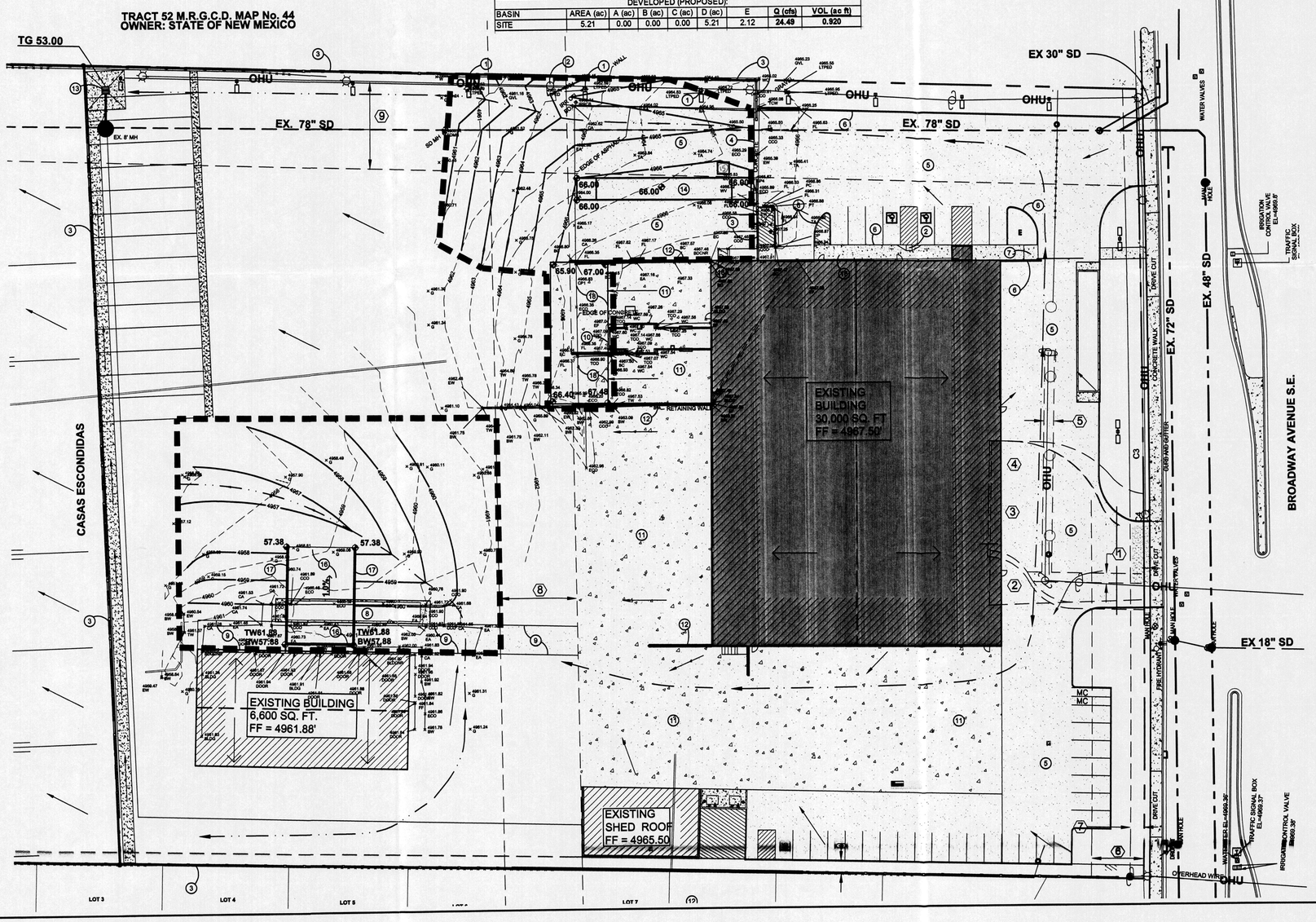
BASIN	AREA (ac)	A (ac)	B (ac)	C (ac)	D (ac)	E	Q (cfs)	VOL (ac ft)
SITE	5.21	0.00	0.00	0.00	5.21	2.12	24.49	0.920



FEMA MAP: 35001C0342G SCALE: NTS



VICINITY MAP: M-14-Z SCALE: NTS



EASEMENT SCHEDULE

1. 5' P.U.E., FILED 02/28/2003; Bk. 2003C, Pg. 45
2. 5' PRIVATE UTILITY EASEMENT, FILED 02/28/2003; BK. 2003C, PG. 45
3. PRIVATE DRIVEWAY EASEMENT, FILED IN Bk. 2000C, FOLIO 257
4. PRIVATE WATER, SANITARY SEWER AND P.U.E., FILED 02/28/2003; BK. 2003C, PG. 45
5. 5' PNM EASEMENT, FILED IN BK. 2000C, FOLIO 257
6. 20' PRIVATE SANITARY SEWER EASEMENT, FILED IN BK. 2000C, FOLIO 257
7. 7' PNM EASEMENT, FILED IN BK. 2000C, FOLIO 257
8. 40' PUBLIC WATER AND SANITARY SEWER EASEMENT, FILED IN BK. 2000C, FOLIO 257
9. PUBLIC UNDERGROUND DRAINAGE EASEMENT, FILED 02/28/2003; BK. 2003C, PG. 45

KEYED NOTES

1. EXISTING LIGHT POLE TO REMAIN.
2. EXISTING OVERHEAD UTILITY POLE.
3. EXISITNG FENCE.
4. EXISTING GATE TO BE RELOCATED.
5. EXISTING ASPHALT.
6. EXISTING 6" CONCRETE CURB.
7. EXISTING CURB ACCESS RAMP.
8. EXISTING SCALES TO BE REMOVED AND BACKFILLED.
9. EXISTING CONCRETE FLATWORK TO BE REMOVED AND DISPOSED.
10. EXISTING CONCRETE CURB.
11. EXISTING CONCRETE PAVEMENT.
12. EXISTING RETAINING WALL.
13. EXISTING AREA DRAIN.
14. NEW TRUCK SCALES.
15. NEW KIOSK SHACK.
16. NEW TRUCK DOCK.
17. NEW RETAINING WALLS, DESIGN BY OTHERS.
18. EXISTING CONCRETE SLAB TO BE REMOVED AND REPLACED.

LEGEND

ITEM	EXISTING	PROPOSED
MOUNTABLE CURB AND GUTTER		
HEADER CURB		
CURB ELEVATIONS	TOP CONC ELEV / FLOW LINE ELEV	TOP CONC ELEV / FLOW LINE ELEV
SPOT ELEV.	× 16.7	16.7
RIGHT OF WAY		
EASEMENT		
CENTERLINE		
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
RETAINING WALL		
FLOW LINE ELEV.	EX FL 16.2	FL 16.2
DRAINAGE SWALE		
DIRECTION OF FLOW		
TRAFFIC CONTROL BOX	T	
WATER METER		
IRRIGATION CONTROL BOX	I	
EXISTING GATE		
POWER POLE (GUYED)	PP	PP
LIGHT POLE		
ASPHALT PAVING		
ASPHALT PAVING		
WALL		
CONTOUR W/ ELEV	4992	4992
STANDARD CURB & GUTTER		
LIMITS OF DISTURBANCE		

N

30 0 15 30

1 Inch = 30 ft.

DRAINAGE PLAN NOTES

1. BLI recommends that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation/structural design.
2. This Plan recommends positive drainage away from all structures to prohibit ponding of runoff which may cause structural settlement. Future alteration of grades adjacent to the proposed structures is not recommended.
3. Irrigation within 10 feet of any proposed structure is not recommended. Introduction of irrigation water into subsurface soils adjacent to the structure could cause settlement.
4. This Plan is prepared to establish on-site drainage and grading criteria only. BLI assumes no responsibility for subsurface analysis, foundation/structural design,or utility design.
5. Local codes may require all footings to be placed in natural undisturbed soil. If the Contractor plans to place footings on engineered fill, a certification by a registered Professional Engineer will be required. If the contractor wishes BLI to prepare the Certification, we must be notified PRIOR to placement of the fill.
6. BLI recommends that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.
7. The property boundary shown on this Plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey. A boundary survey performed by a licensed New Mexico Registered Professional Surveyor is recommended prior to construction.

PROJECT DATA

PROPERTY ADDRESS
2525 BROADWAY BLVD. SE
ALBUQUERQUE NM, 87102

LEGAL DESCRIPTION
TRACTS 1A AND 2A, LANDS OF RAYCO, ALBUQUERQUE BERNALILLO COUNTY, NM

MAPPING
ALL PROJECT SURVEYING BRASHER AND LORENZ, INC. JULY, 2010

PROJECT BENCHMARK
ACS MONUMENT "1-M14"
ELEVATION 4945.64 FEET

WISE RECYCLING CENTER
AMENDED GRADING AND DRAINAGE PLAN

BRASHER & LORENZ
CONSULTING ENGINEERS
8301 Blue Ridge NE Building 1, Suite 1300
Albuquerque, New Mexico 87113
Ph: 505-888-6088 Fax: 505-888-6188

DRAWN BY: M.V.H.	DATE: 8/17/2010
CHECKED BY: D.A.L.	SHEET 1 OF 1
FILE: 10531 G & D.DWG	

8-17-10