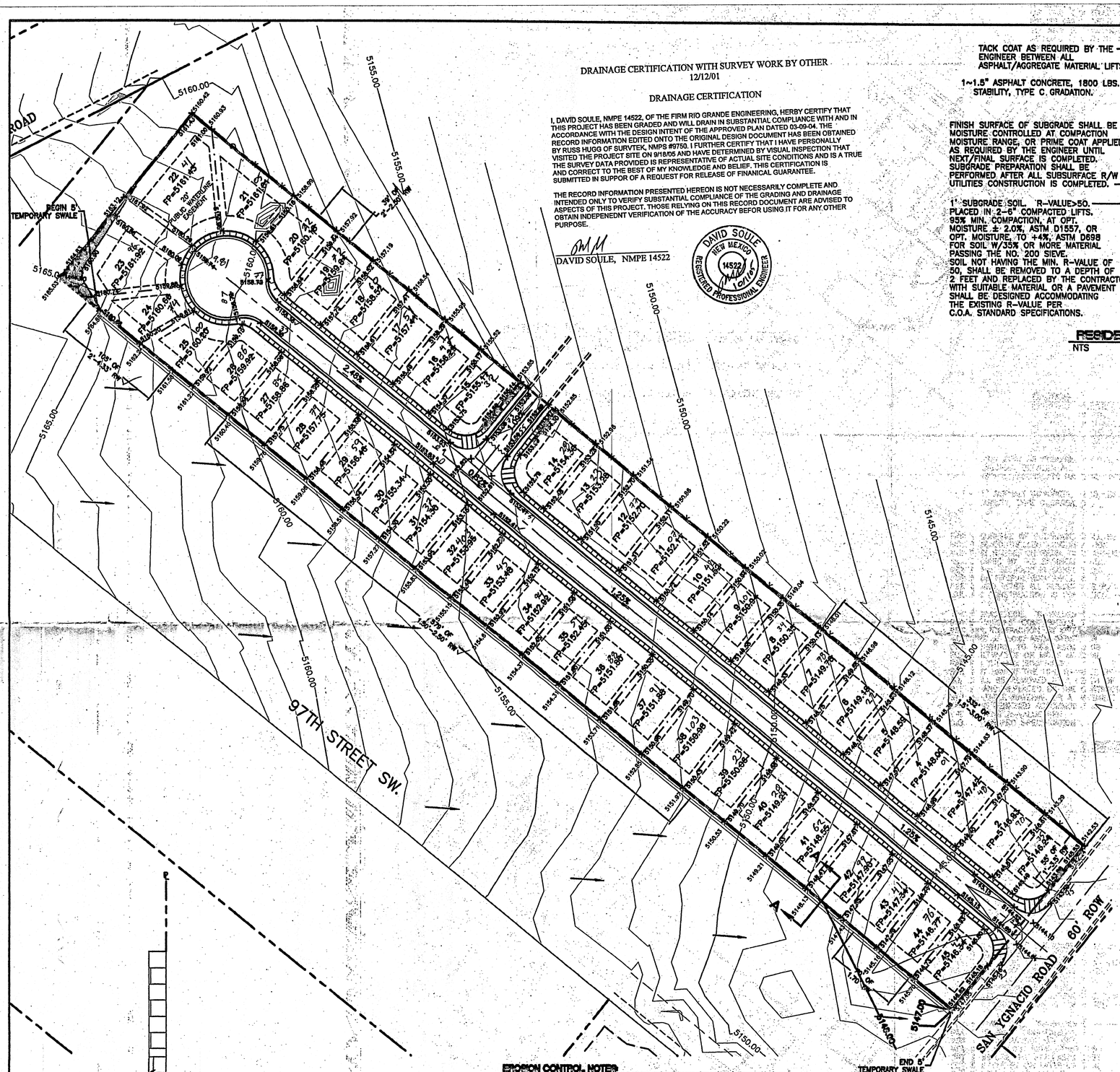


DRAINAGE CERTIFICATION WITH SURVEY WORK BY OTHER
12/12/01

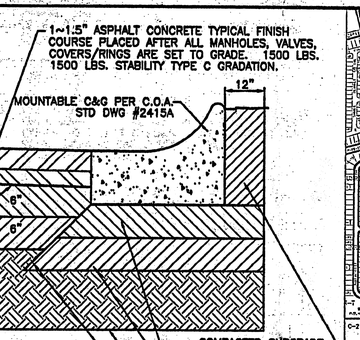
DRAINAGE CERTIFICATION

I, DAVID SOULE, NMPE 14522, OF THE FIRM RIO GRANDE ENGINEERING, HERBY 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 03-09-04. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY RUSS HUGG OF SURVTEK, NMPS #9750. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 9/18/05 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS A TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPOR OF A REQUEST FOR RELEASE OF FINANICAL GUARANTEE.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND 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 INDEPENEDNT VERIFICATION OF THE ACCURACY BEFOR USING IT FOR ANY OTHER PURPOSE.

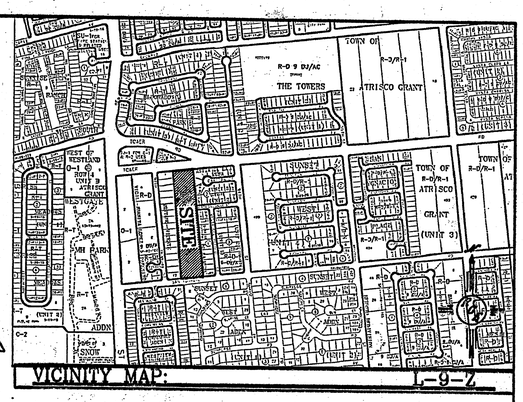
DAVID SOULE, NMPE 14522

DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER



RESIDENTIAL PAVING SECTION

NTS

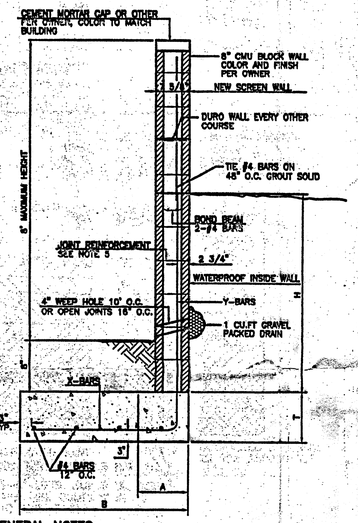


LEGAL DESCRIPTION:

TRACT 442, CASITA DE LA MESA

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. PERMISSION TO GRADE ADJACENT LOTS WILL BE OBTAINED.
3. AS SHOWN ON FIRM PANEL #35001C0336E, THIS SITE IS LOCATED WITHIN ZONE X.



GENERAL NOTES:

1. ALL CONCRETE IS TO BE 3000 PSI @ 28 DAYS.
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
6. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 12'.
7. 30 BAR DIAMETER LAPS TYPICAL.
8. DUR-O-WAL HORIZONTAL JOINT REINFORCEMENT 16" O.C.
9. OPEN JOINTS 16" O.C. TYPICAL AT FIRST COURSE.
10. OWNER TO SELECT MASONRY COLOR AND/OR FINISH
11. SOLID MASONRY CAP COURSE TYPICAL.
12. WATER PROOF WALL.

8 INCH REINFORCED CONCRETE MASONRY WALL (FOR RETAINING PORTION ONLY)

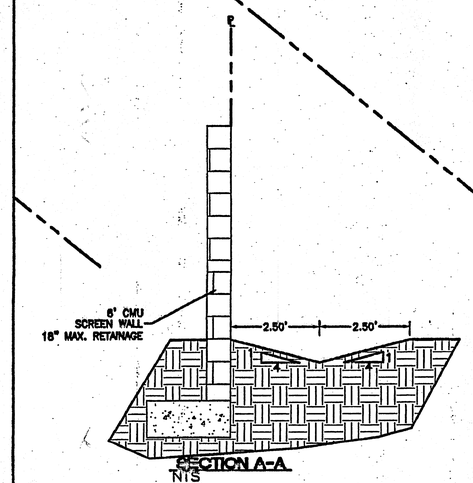
H	B	T	Y-BARS	X-BARS
ft.-in.	ft.-in.	in.		
1'-4"	1'-9"	10"	#4 @ 24" O.C.	
2'-0"	2'-0"	10"	#4 @ 24" O.C.	
2'-8"	2'-8"	10"	#4 @ 24" O.C.	
3'-4"	2'-9"	12"	#4 @ 16" O.C.	#4 @ 16" O.C.
4'-0"	3'-3"	12"	#4 @ 16" O.C.	#4 @ 16" O.C.

L-FOOTING RETAINING WALL DETAIL

NTS

LEGEND

- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EX. 24" RCP — EXISTING STORM SEWER LINE
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- PROPOSED PERIMETER WALL
- PROPOSED RETAINING WALL
- 5011 — EXISTING CONTOUR
- 5010 — EXISTING INDEX CONTOUR
- 5011 — PROPOSED CONTOUR
- 5010 — PROPOSED INDEX CONTOUR
- FLOW ARROW
- SLOPE TIE (3:1 MAX.)
- 5048.25 — EXISTING SPOT ELEVATION
- 5048.25 — PROPOSED SPOT ELEVATION
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES



SECTION A-A
NTS

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS 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 (CITY) ACCEPTANCE OF ANY PROJECT.

CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

N

RGE

50 25 0 25 50

SCALE: 1"=50'

RECEIVED NOV 10 2005 HYDROLOGY SECTION

ROUGH GRADING APPROVAL DATE

ENGINEER'S SEAL

DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER

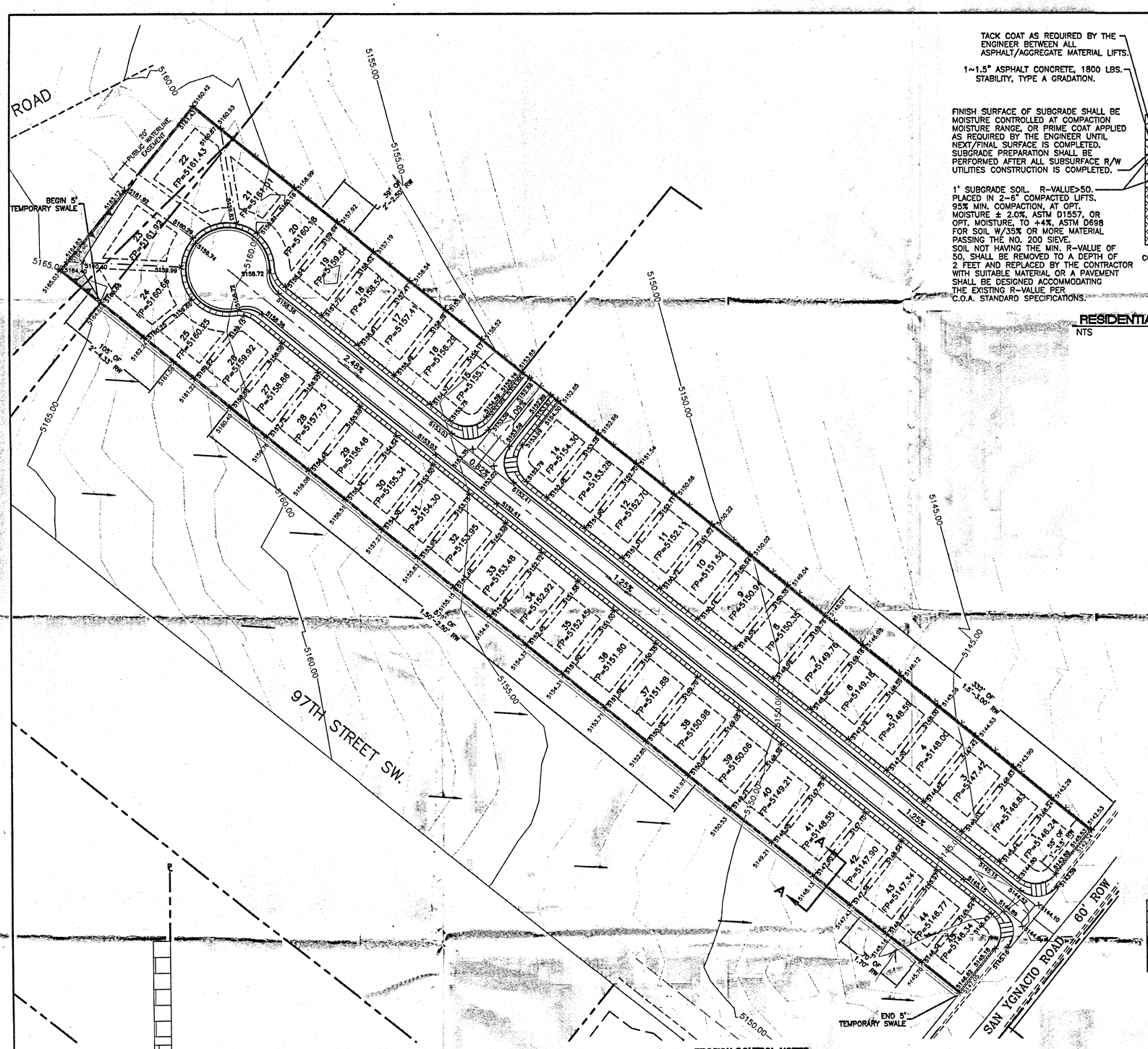
DAVID SOULE
P.E. #14522

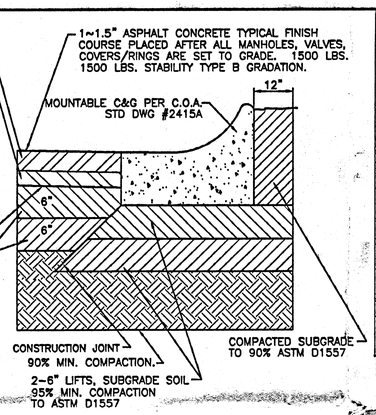
TORRETTA OESTE
GRADING AND DRAINAGE PLAN

Rio Grande Engineering
3500 COMANCHE ROAD NE
BUILDING E, SUITE 5
ALBUQUERQUE, NM 87107
(505) 672-0999

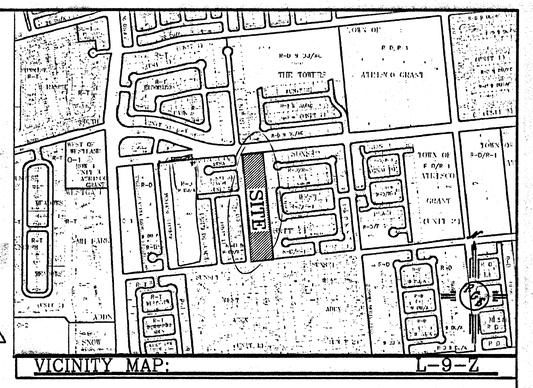
DRAWN BY WCWJ
DATE 4-20-04
2305_GRC-12-19-03X
SHEET # 3 OF 10
JOB # 2305

740681





RESIDENTIAL PAVING SECTION
NTS



LEGAL DESCRIPTION:
TRACT 442, CASITA DE LA MESA

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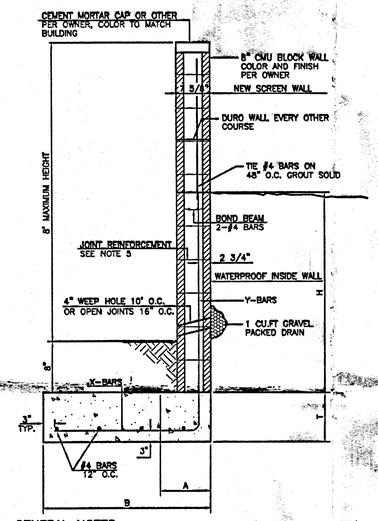

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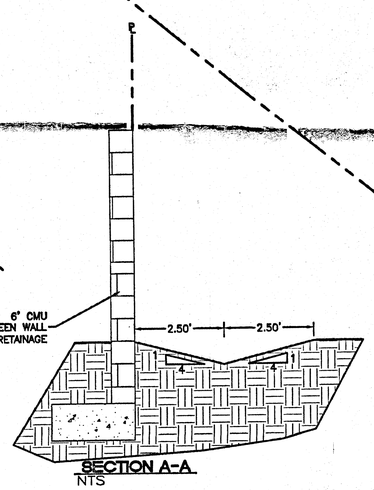
- 5048.25 — PROPOSED SPOT ELEVATION
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES

RECEIVED MAR 10 2004 HYDROLOGY SECTION

ROUGH GRADING APPROVAL



SECTION A-A
NTS

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N

50 25 0 25 50

SCALE: 1"=50'

ENGINEER'S SEAL

DAVID SOULE NEW MEXICO 14522 LICENSED PROFESSIONAL ENGINEER 3/10/04

DAVID SOULE
P.E. #14522

98TH AND TOWER
GRADING AND DRAINAGE PLAN

Rio Grande Engineering
3500 COMANCHE ROAD NE
BUILDING E, SUITE 5
ALBUQUERQUE, NM 87107
(505) 321-9099

DRAWN BY WCWJ

DATE 3-08-04

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SHEET #

JOB # 2305