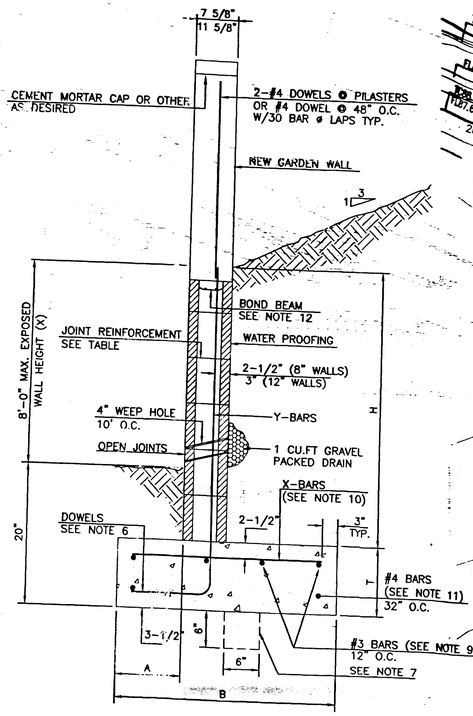


RETAINING WALL DETAIL

NOT TO SCALE

8 INCH REINFORCED CONCRETE MASONRY WALL

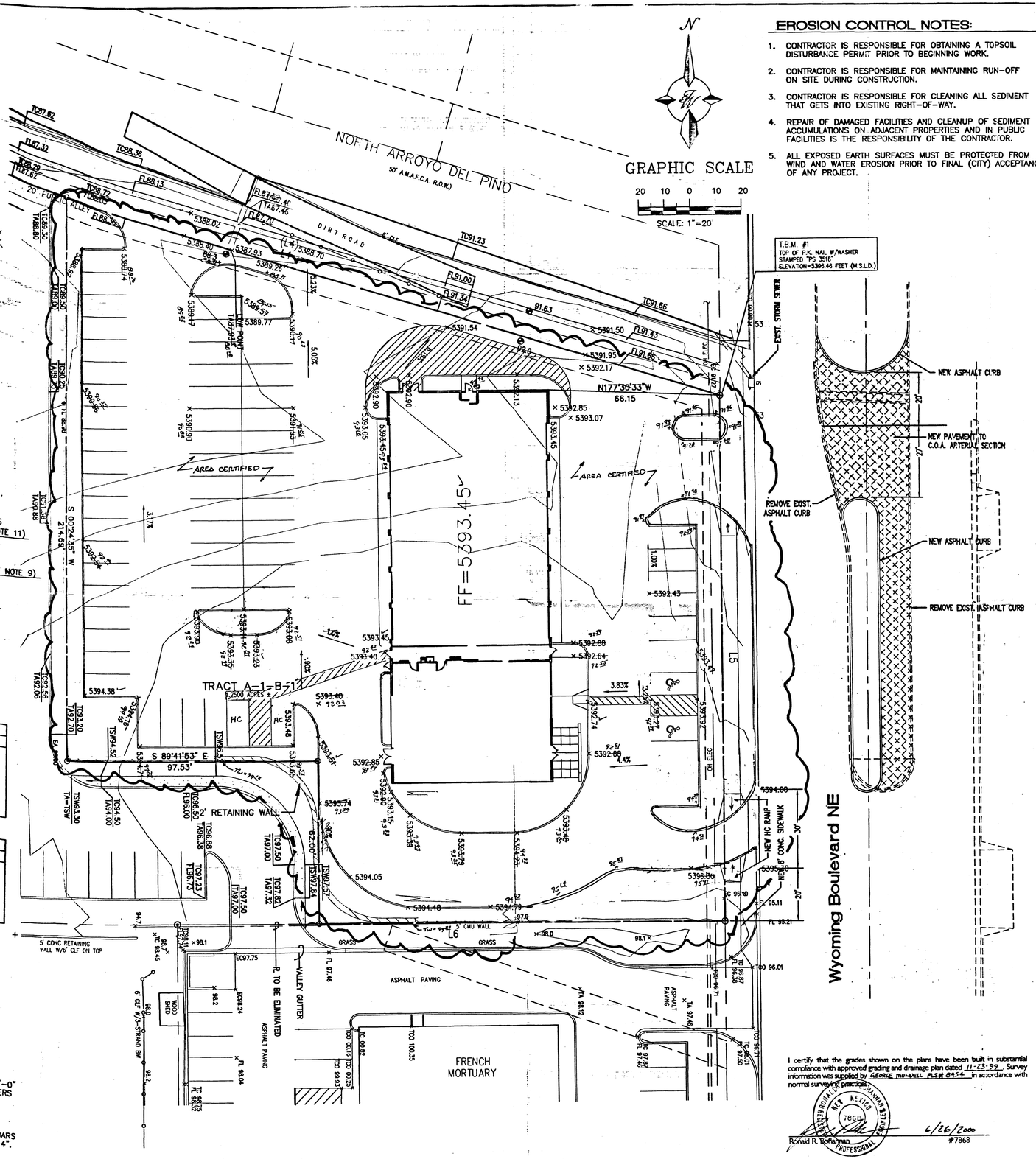
H	X	A	B	T	Y-BARS	X-BARS
ft.-in.	ft.-in.	in.	ft.-in.	in.		
2'-0"	1'-1"	8"	2'-4"	9"	#3 @32" O.C.	
2'-8"	1'-9"	8"	2'-9"	9"	#4 @32" O.C.	#3 @27" O.C.
3'-4"	2'-5"	8"	2'-4"	9"	#3 @32" O.C.	#3 @27" O.C.
4'-0"	3'-1"	10"	2'-9"	9"	#4 @32" O.C.	#3 @27" O.C.
4'-8"	3'-10"	12"	3'-4"	10"	#5 @32" O.C.	#3 @27" O.C.
5'-4"	4'-6"	14"	3'-8"	10"	#4 @16" O.C.	#4 @30" O.C.
6'-0"	5'-3"	16"	4'-2"	12"	#6 @24" O.C.	#4 @25" O.C.

12 INCH REINFORCED CONCRETE MASONRY WALL

H	X	A	B	T	Y-BARS	X-BARS
ft.-in.	ft.-in.	in.	ft.-in.	in.		
5'-4"	4'-8"	14"	3'-8"	10"	#4 @24" O.C.	#3 @25" O.C.
6'-0"	5'-4"	15"	4'-2"	12"	#4 @16" O.C.	#4 @30" O.C.
6'-8"	6'-0"	16"	4'-6"	12"	#6 @24" O.C.	#4 @22" O.C.
7'-4"	6'-8"	18"	4'-10"	12"	#5 @16" O.C.	#5 @26" O.C.
8'-0"	7'-4"	20"	5'-4"	12"	#7 @24" O.C.	#5 @21" O.C.
8'-8"	8'-0"	20"	5'-8"	12"	#7 @16" O.C.	#5 @21" O.C.

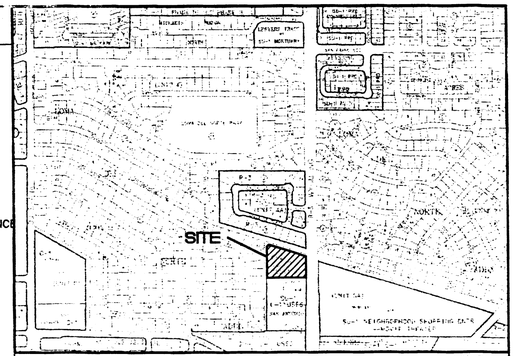
GENERAL NOTES:

1. ALL CONCRETE IS TO BE 4000 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. DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO V-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
7. PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
8. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.
9. #3 BARS TO BE USED ON WALLS EXCEEDING 2'-8" HEIGHT
10. X BARS TO BE USED ON WALLS EXCEEDING 2'-8" HEIGHT
11. #4 BARS TO BE USED ON WALLS SMALLER THAN 3'-4"
12. BOND BEAM, 1-#4 BARS FOR WALLS UNDER 3'-4", 2-#4 BARS FOR WALLS UNDER 5'-4", 2-#5 BARS FOR WALLS OVER 5'-4".

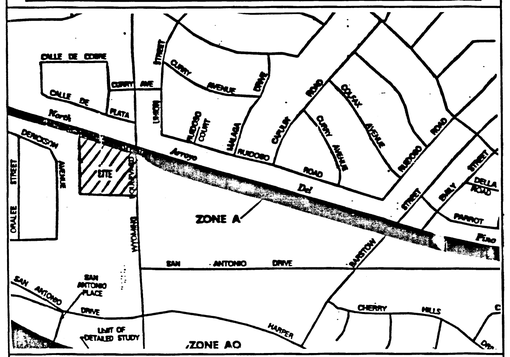


EROSION CONTROL NOTES:

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.



VICINITY MAP: D-19-Z



FEMA MAP: 35001C0141D

LEGAL DESCRIPTION:

TRACT A-1-B, LOMA DEL NORTE, ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT OF TRACTS A-1-B AND A-2-B, UNIT 3, DALE J. BELLAMAH'S, LOMA DEL NORTE, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON MAY 22, 1981, BOOK C18, PAGE 86; TOGETHER WITH TRACT A-2-B-1, LOMA DEL NORTE, ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT OF TRACTS A-2-B-1 AND A-2-B-2, DALE J. BELLAMAH'S, LOMA DEL NORTE, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON NOVEMBER 28, 1988, BOOK C38, PAGE 1.

LEGEND

- EXISTING SAS MANHOLE
- EXISTING METER
- EXISTING VALVE W/BOX
- EXISTING FIRE HYDRANT
- EXISTING AIR RELEASE VALVE
- EXISTING REDUCER
- EX. 8" SAS — EXISTING SANITARY SEWER LINE
- EX. 16" WL — EXISTING WATER LINE
- EXISTING CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK

RECEIVED JUN 27 2000 HYDROLOGY SECTION

I certify that the grades shown on the plans have been built in substantial compliance with approved grading and drainage plan dated 11-23-99. Survey information was supplied by GEORGE MUNNELL PLS# 8454 in accordance with normal surveying practices.

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER

6/26/2000

Ronald R. Bohannan #7868

ROUGH GRADING APPROVAL DATE

ENGINEER'S SEAL	CHRYSLER SERVICE CENTER	DRAWN BY WCWJ
	GRADING AND DRAINAGE PLAN	DATE 11-23-99
		990009GR1.DWG
	TIERRA WEST, LLC 4421 McLEOD ROAD, N.E., SUITE D ALBUQUERQUE, NEW MEXICO 87109 (505)883-7592	SHEET #
RONALD R. BOHANNAN P.E. #7868		JOB # 990009