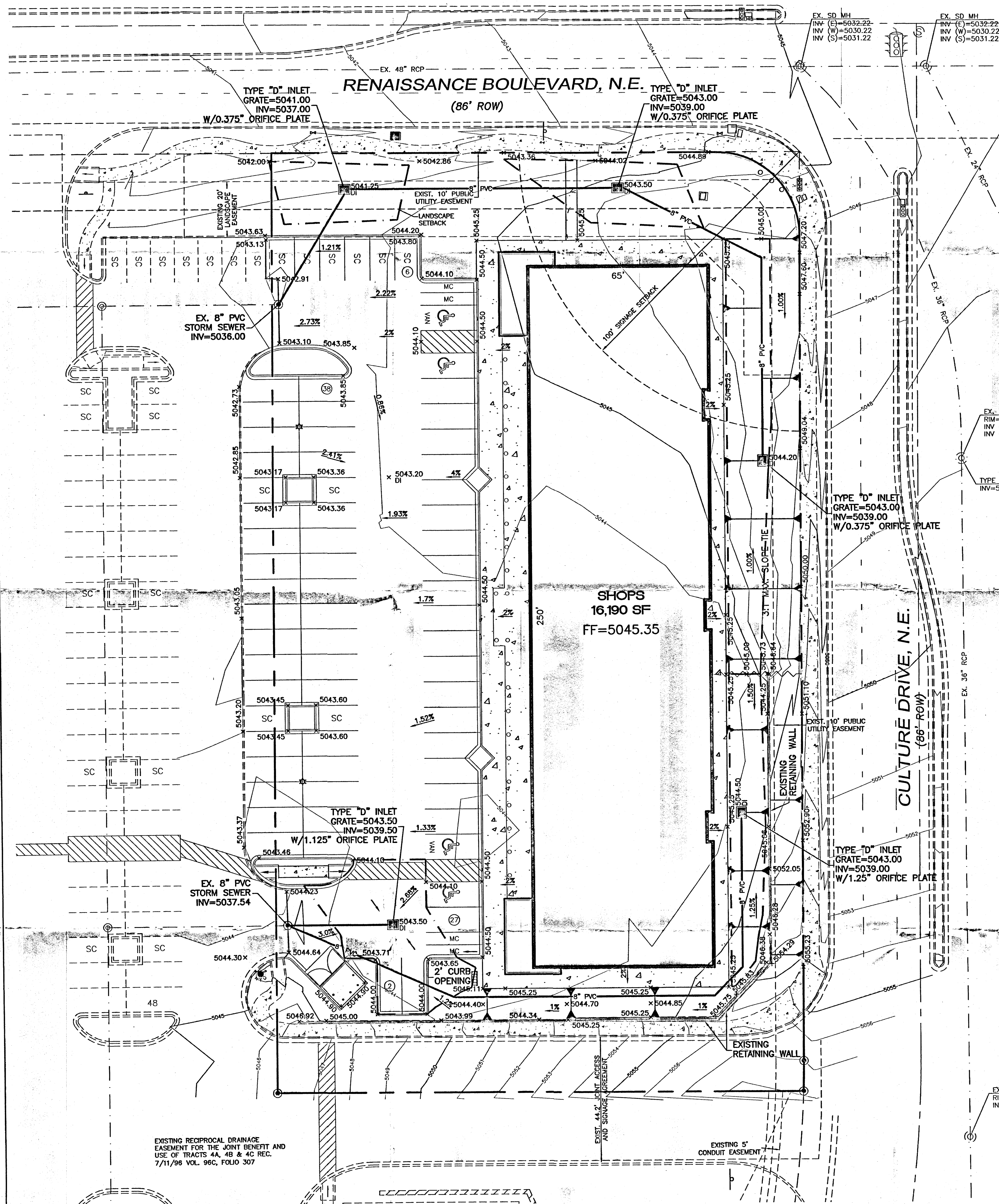




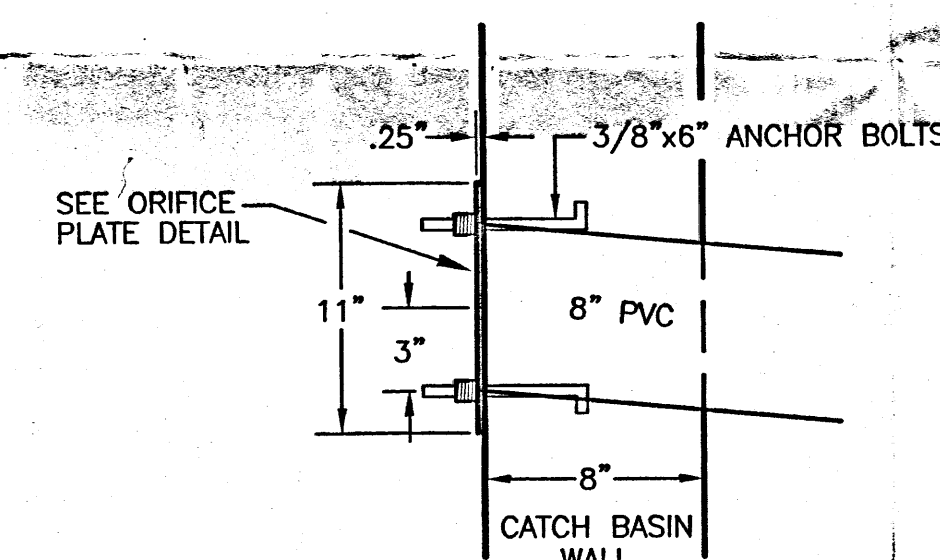
EROSION CONTROL PLAN, NPDES PERMIT AND POLLUTION PREVENTION NOTES

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 (CITY) ACCEPTANCE OF ANY PROJECT.

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION 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 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 CONNECTIONS. 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 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.

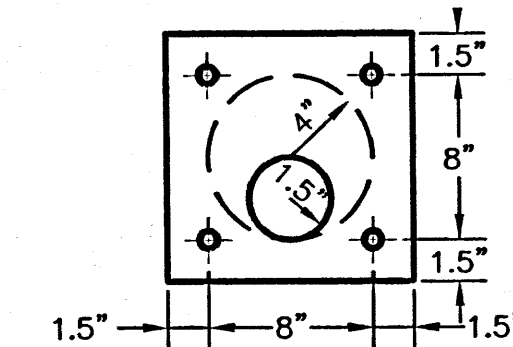
APPROVAL	NAME	DATE
INSPECTOR		



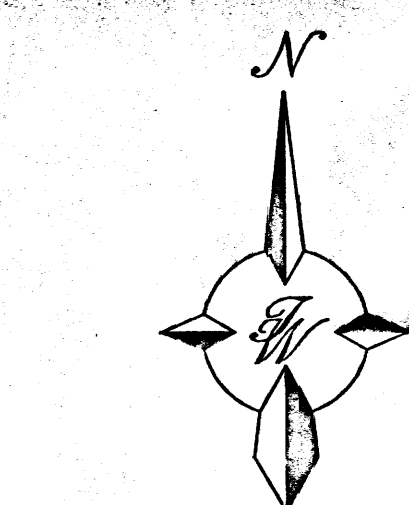
TO BE INSTALLED @ THE OUTFLOW OF ALL CATCH BASINS (SEE TABLE FOR SIZES)

DETAIL A

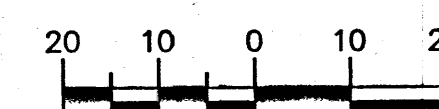
INLET #	ORIFICE SIZE
1	0.50"
2	3.00"
3	0.50"
4	0.50"
5	1.25"
6	1.75"
7	0.50"
8	0.50"



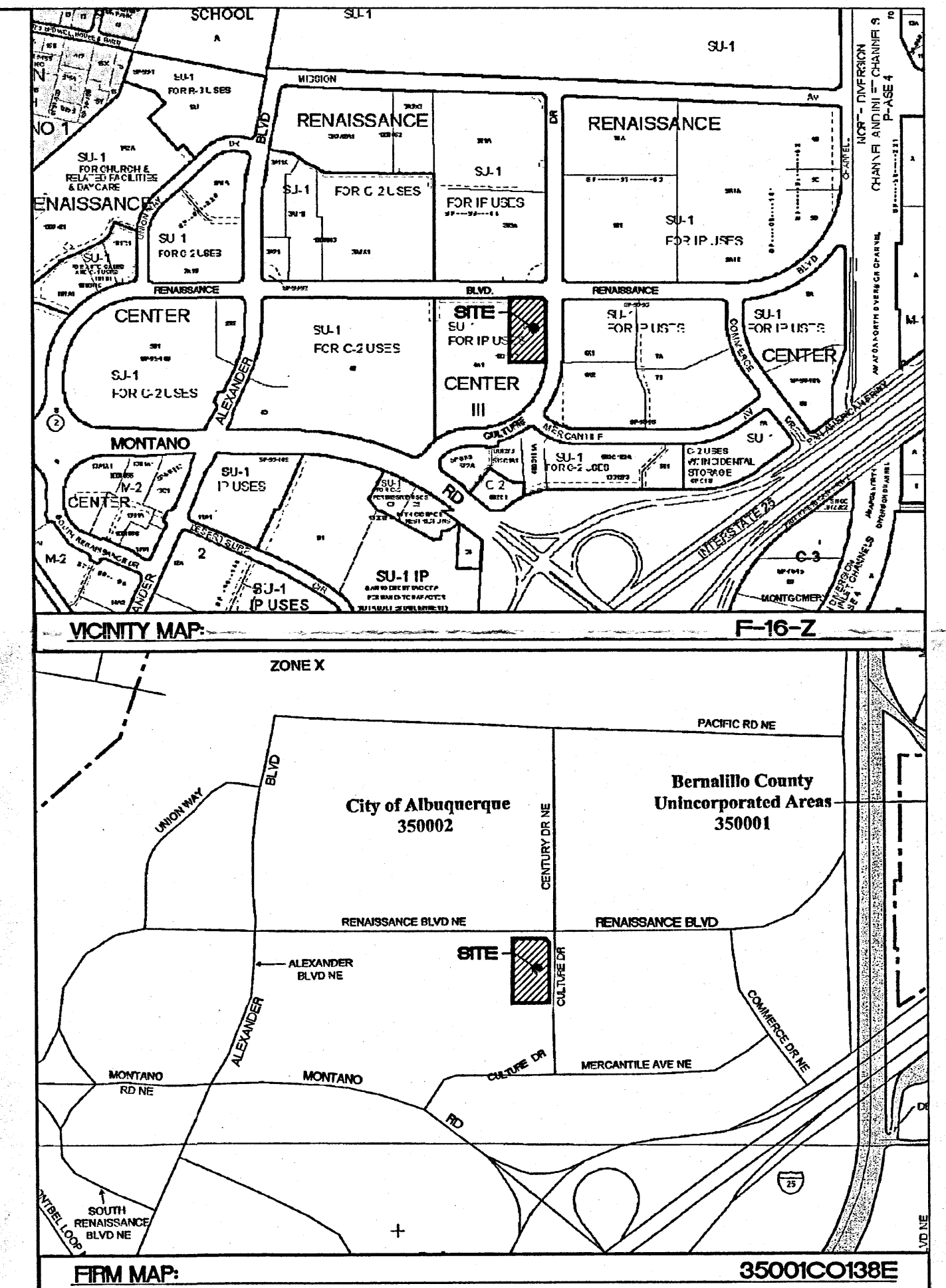
TYPE ORIFICE PLATE DETAIL
NTS



GRAPHIC SCALE



SCALE: 1"=20'



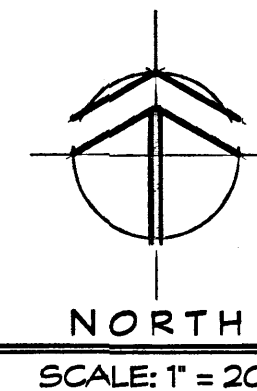
LEGEND

- CONSTRUCTIN BOUNDARY
- EXISTING CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED EASEMENT
- PROPOSED SCREEN WALL
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED SPOT ELEVATION
- FLOW ARROW
- SLOPE TIE
- PROPOSED STORM SEWER MANHOLE
- PROPOSED SNGL. "D" INLET
- SD PROPOSED STORM SEWER LINE

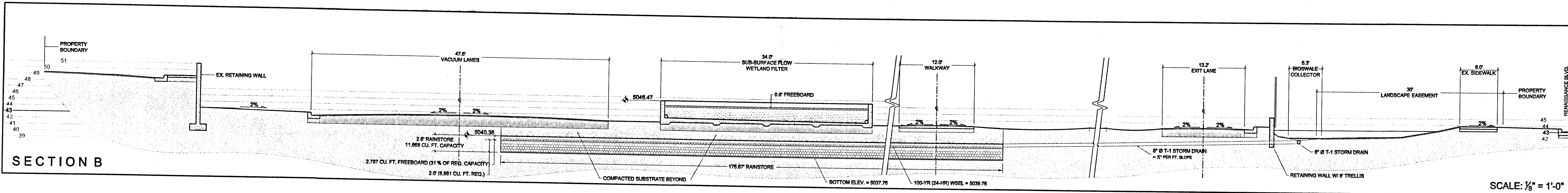
ROUGH GRADING APPROVAL	RECEIVED	DATE
	APR 19 2007	

ENGINEER'S SEAL	STERLING DEVELOPMENT RENAISSANCE CENTER	DRAWN BY DY
	GRADING AND DRAINAGE PLAN	DATE 4-18-07
	TERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)858-3100	2713-GRB
		SHEET # C3
RONALD R. BOHANNAN P.E. #7868		JOB # 27013

PRELIMINARY GRADING PLAN



HYDROLOGY SECTION



1. ADAMWHEELCHAIR ACCESSIBILITY: GRAVELPAVE[®] HAS A STABLE, SLIP RESISTANT SURFACE, TESTED TO MEET ADA STANDARD.
2. RAINSTORE[®] STRUCTURE DESIGNED TO POTABLE QUALITY SPECIFICATIONS. RAINSTORE[®] HAS BEEN LABORATORY AND FIELD TESTED TO H-20 LOADING (BRIDGE LOADING).
3. GRASSPAVE[®] REQUIRES THE SAME DEPTH OF SUBBASE AS TWO INCHES OF ASPHALT. GRASSPAVE[®] HAS A POUNDS-PER-SQUARE-INCH (PSI) CAPACITY OF 5,720. GRASSPAVE[®] CAN SUPPORT ANY LOAD THAT IS LEGAL TO DRIVE ON THE STREET.
4. SLOPETAME[®] UNITS: LIGHTWEIGHT INJECTION MOLDED PLASTIC UNITS 0.5x0.5x0.025 m (20"x20"x1" HIGH, 2.7 SQ. FT. EACH) WITH HOLLOW RINGS RISING FROM A STRONG OPEN GRID WITH A GEOTEXTILE "JUTE" TIE FABRIC HEAT BONDED TO THE BOTTOM OF THE GRID. UNITS MAY BE SHIPPED IN PREASSEMBLED 1 METER SQUARES, OR IN ROLLS MEASURING 0.5, 1.0, OR 2.0 METERS WIDE BY CUSTOM LENGTHS (CONTRACTOR TO COORDINATE UNIT MEASUREMENTS WITH MANUFACTURER). STANDARD COLOR IS BLACK. UNIT WEIGHT = 2.18 KG PER M2 (7.1 OZ/SF), VOLUME=8% SOLID.
- TOPSOIL FILL: SHALL CONSIST OF LOOSE FRIABLE LOAM REASONABLY FREE OF ADMIXTURES OF SUBSOIL, REFUSE, STUMPS, ROOTS, ROCKS, BRUSH, WEEDS, OR OTHER MATERIAL WHICH WOULD BE DETRIMENTAL TO THE PROPER DEVELOPMENTAL OF VEGETATIVE GROWTH.
- ANCHORS: ANCHOR PINS SHALL BE EITHER HEAVY GAUGE (6 - 12) WIRE "U" SHAPED, OR 4" TO 8" LONG NAILS WITH "FENDER" TYPE WASHERS 5 X 25 MM OD (3/16" ID X 1), ALL GALVANIZED METAL OR SIMILAR COATING TO RESIST CORROSION.
5. DRAINCORE[®] DRAINAGE CORE UNITS: LIGHTWEIGHT INJECTION-MOLDED PLASTIC UNITS, USUALLY SUPPLIED IN LARGE ROLL FORMAT 2M WIDE X 20M LONG (6.6 FT X 65 FT), WITH HOLLOW RINGS RISING FROM A STRONG OPEN GRID ALLOWING MAXIMUM WATER INFILTRATION AND CONVEYANCE. THE PLASTIC SHALL BE HDPE. GEOTEXTILE FABRICS AND GEOMEMBRANES SHALL BE SUPPLIED FROM RELIABLE AND PROVEN SOURCES, WITH KNOWN CHARACTERISTICS SUITABLE TO EACH SPECIFIC APPLICATION. THESE MATERIALS MAY BE USED TO UNDERLAY, OVERLAY, OR SURROUND THE DRAINCORE[®] PRODUCT, DEPENDING UPON SPECIFIC NEED.

6. **EVERDURE CALTITE** IS AN INTEGRAL HYDROPHOBIC AND PORE-BLOCKING INGREDIENT (HPI) FOR INCLUSION IN STRUCTURAL CONCRETE. IT REVERSES CAPILLARY "WICK" OR SUCKING ACTION AS WELL AS PROVIDING A PHYSICAL PORE-BLOCKING COMPONENT WHEN SUBJECTED TO HYDROSTATIC PRESSURE. A HIGH RANGE WATER REDUCING ADMIXTURE IS ALSO USED TO REDUCE THE WATER/CEMENT RATIO AND TO OPTIMIZE WORKABILITY. THE RESULT IS NON-ABSORPTIVE AND MOISTURE-IMPERVIOUS, INHERENTLY DRY CONCRETE, PERMANENTLY PROTECTED FROM WATER INGRESS AND PROTECTED AGAINST SOLUBLE SALT AND ACID ATTACK. **EVERDURE CALTITE** HAS BEEN SHOWN TO BE HIGHLY EFFECTIVE, EVEN IN SOME OF THE WORLD'S MOST SEVERELY CORRODED RECORD FOR MORE THAN 40 YEARS UNDER CONDITIONS OF EXTREME CHLORIDE AND SULPHATE EXPOSURE WITH NO SIGNIFICANT DETERIORATION IS UNIQUE. **EVERDURE CALTITE** EFFECTIVELY REPLACES THE NEED FOR COATINGS TO THE CONCRETE OR STEEL OR OTHER METHODS OF WATERPROOFING AND DURABILITY ENHANCEMENT.

LEGEND

	CALTITE WATERPROOF CONCRETE
	COMPACTED SUBSTRATE
	EARTH
	WETLAND MEDIA 40% POROUS
	WETLAND WATER SURFACE / RAINSTORE 100-YR (24-HR) WSEL
	RAINSTORE STRUCTURE

RAIN FACTORY™
4821 CULTURE DRIVE NE
ALBUQUERQUE, NEW MEXICO

LABORATORY

DATE:
20 JULY, 2005

REVISIONS:

SHEET

3.1 V

JUL 27 2005

HYDROLOGY SECTION

WRIGHT AND HAMMER
A R C H I T E C T S
1735 ALISO DRIVE, N.E.
ALBUQUERQUE, N.M.
87110 505-286-6764

RAIN FACTORY™

LABORATORY

DATE:
20 JULY, 2005

REVISIONS:

SHEET

3.1 V

JUL 27 2005

HYDROLOGY SECTION