



City of Albuquerque

July 19, 2000

Mark Goodwin, P.E.
Amy Driscoll, E.I.
Mark Goodwin & Associates, P.A.
P. O. Box 90606
Albuquerque, NM 87199

RE: ENGINEER'S CERTIFICATION FOR WALGREENS - INDIAN SCHOOL AND
TRAMWAY, (J-23/ D010), ENGINEER'S STAMP DATED 06/12/00,
CERTIFICATION DATED 7/14/2000.

Dear Mr. Goodwin,

Based upon the information provided in your submittal dated July 14, 2000, the Engineering Certification for Certificate of Occupancy for the project referred to above is approved.

If you have any questions, please call me at 924-3988.

Sincerely,

Stuart Reeder, P.E.

Stuart Reeder, P.E.
Hydrology Division

xc: Whitney Reiersen
✓File

NOTES

1. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, SHALL GOVERN ALL WORK.
2. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
3. THE CONTRACTOR SHALL ENSURE THAT THE NO TOPSOIL ERODES FROM LOTS INTO PUBLIC RIGHT OF WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING SOIL TO KEEP IT FROM BLOWING. SEE DETAIL THIS SHEET.
4. THE SITE DOES NOT LIE WITHIN 100 YR FLOOD ZONE.
5. THERE ARE NO OFFSITE FLOWS COMING ONTO THIS SITE.

PER THE DRAINAGE REPORT FOR SKYVIEW SOUTH SUBDIVISION BY MARK GOODWIN & ASSOCIATES, DATED MAY 1990, THE SITE IS ALLOWED TO DISCHARGE 15 CFS UNDER DEVELOPED CONDITIONS INTO THE EXISTING STORM DRAINAGE SYSTEM.

BELOW IS A SUMMARY OF THE HYDROLOGIC PARAMETERS AND RESULTS:
SITE IS 0.70 ACRE AND IS LOCATED IN PRECIPITATION ZONE 4.

DEVELOPED CONDITIONS:

10% OF LAND TREATMENT C = 0.17 AC.
90% OF LAND TREATMENT D = 1.53 AC.

RESULTS FOR 100 YR, 6 HOUR STORM EVENT:

FROM TABLE A-8, E(C) = 1.46" AND E(D) = 2.64"

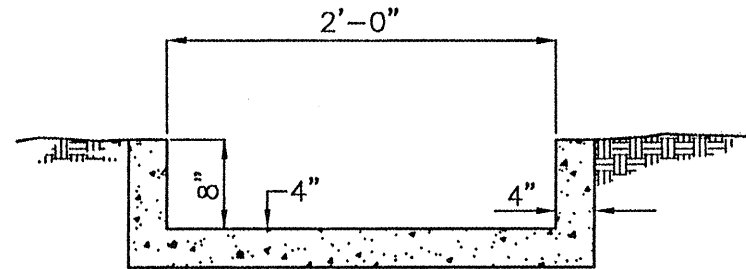
WEIGHTED E = $1.46 \times 0.17 + 2.64 \times 1.53 = 2.52"$
1.70

PEAK V = $2.52" \times 1.70 \text{ AC} / 12 = 4.29 \text{ AC FT.}$

FROM TABLE A-9, Q(C) = 3.73 CFS/AC
Q(D) = 5.25 CFS/AC

PEAK Q = $5.25 \text{ CFS/AC} \times 1.53 \text{ AC} + 3.73 \text{ CFS/AC} \times 0.17 \text{ AC} = 8.67 \text{ CFS}$

8.67 CFS < 15 CFS, THEREFORE, THE SITE CAN FREELY DISCHARGE INTO THE EXISTING STORM DRAINAGE SYSTEM.



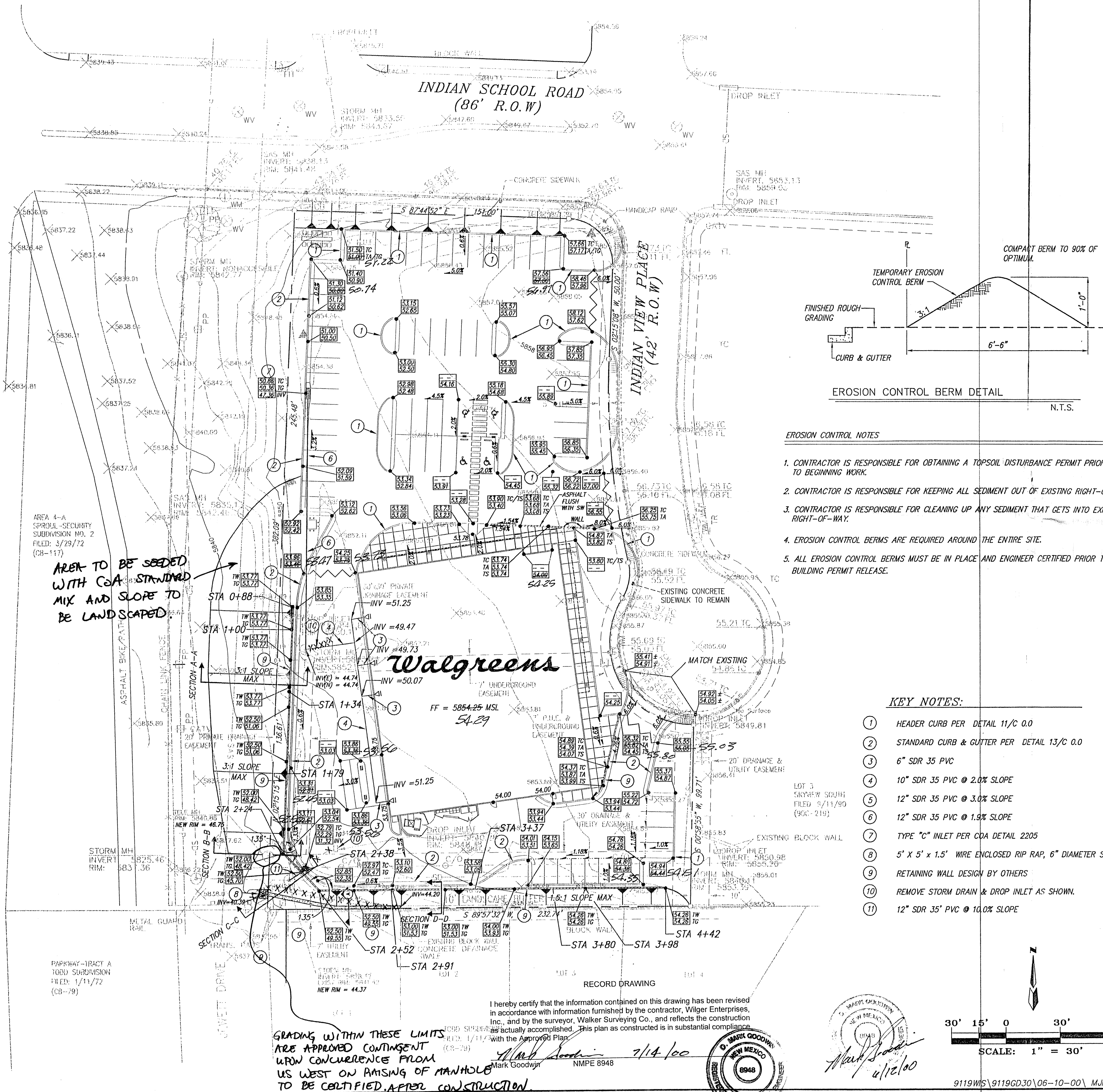
CONCRETE SWALE SECTION A
N.T.S.

NOTICE TO CONTRACTOR

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 Standard Specifications for Public Works Construction" (1986 Edition).
3. Two working days prior to any excavation, Contractor must contact the 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 obstructions. Should a conflict exist, the Contractor shall notify the Engineer so that the conflict can be resolved with a minimum of delay.
5. Backfill 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. Contractor is responsible for obtaining excavation permit for the S.O. 19 and providing proof of acceptance by the City prior to Hydrology sign-off for Certificate of Occupancy.

DRAINAGE FACILITIES WITHIN CITY RIGHT OF WAY

Design Approval	HYDROLOGY SECTION	DATE
Inspection Approval	CONSTRUCTION SECTION	DATE
Acceptance	CONSTRUCTION/SECTION/PERMITS	DATE



EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. EROSION CONTROL BERMS ARE REQUIRED AROUND THE ENTIRE SITE.
5. ALL EROSION CONTROL BERMS MUST BE IN PLACE AND ENGINEER CERTIFIED PRIOR TO BUILDING PERMIT RELEASE.

KEY NOTES:

1. HEADER CURB PER DETAIL 11/C 0.0
2. STANDARD CURB & GUTTER PER DETAIL 13/C 0.0
3. 6" SDR 35 PVC
4. 10" SDR 35 PVC @ 2.0% SLOPE
5. 12" SDR 35 PVC @ 3.0% SLOPE
6. 12" SDR 35 PVC @ 1.5% SLOPE
7. TYPE "C" INLET PER COA DETAIL 2205
8. 5' X 5' X 1.5' WIRE ENCLOSED RIP RAP, 6" DIAMETER STONE
9. RETAINING WALL DESIGN BY OTHERS
10. REMOVE STORM DRAIN & DROP INLET AS SHOWN.
11. 12" SDR 35" PVC @ 10.0% SLOPE

VICINITY MAP

ZONE MAP: J-23

ACS BENCHMARK

ACS ALUMINUM TABLE STAMPED "1 - J23A, 1982"
X COORDINATE = 426100.69
Y COORDINATE = 1490001.03
ELEVATION = 5840.58

LEGAL DESCRIPTION

BEING THAT CERTAIN PARCEL OF LAND SITUATED WITHIN SECTION 14, TOWNSHIP 10 NORTH, RANGE 4 EAST, NEW MEXICO PRINCIPAL MERIDIAN, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, BEING IDENTIFIED AS LOTS 1 AND 2, SKYVIEW SOUTH SUBDIVISION, AS SAID LOTS 1 AND 2 ARE SHOWN AND DESIGNATED ON "PLAT OF SKYVIEW SOUTH SUBDIVISION WITHIN SECTION 14, T10N, R4E, N4M, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO", FILED IN THE OFFICE OF THE COUNTY CLERK, BERNALILLO COUNTY, NEW MEXICO, ON SEPTEMBER 11, 1990, IN VOLUME 90C, FOLIO 219.

LEGEND

- EXISTING TRAVERSE POINT (SET NAIL W/FLG)
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING POWER POLE
- EXISTING TELEPHONE RISER
- EXISTING TELEPHONE MH
- EXISTING ELECTRIC RISER
- EXISTING CLEAN OUT
- EXISTING CABLE TV RISER
- EXISTING TREES

- NEW TOP OF WALL SPOT ELEVATION
- NEW TOP OF GROUND SPOT ELEVATION
- NEW TOP OF CURB SPOT ELEVATION
- NEW TOP OF ASPHALT SPOT ELEVATION
- NEW TOP OF SIDEWALK SPOT ELEVATION
- NEW TOP OF CURB SPOT ELEVATION
- NEW FLOWLINE SPOT ELEVATION
- NEW FLOWLINE SPOT ELEVATION
- 2.5 : 1 SLOPE OR LESS
- NEW RETAINING WALL
- FOR REMOVAL
- NEW WATER BLOCK
- LOW POINT

WALGREENS - INDIAN SCHOOL GRADING & DRAINAGE PLAN

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

Designed: ALD	Drawn: MJR, WLW	Checked: DMG	Sheet: CI
Scale: 1" = 30'	Date: 10/29/99	Job: 99119	

30' 15' 0' 30' 60'
SCALE: 1" = 30'

9119WS\9119GD30\06-10-00\ MJR SPS

GRADING WITHIN THESE LIMITS
ARE APPROVED CONTINGENT
UPON CONCURRENCE FROM
US WEST ON RAISING OF MANHOLE
TO BE CERTIFIED AFTER CONSTRUCTION

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Walgreen Enterprises, Inc., and by the surveyor, Walker Surveying Co., and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the approved plan.

Mark Goodwin NMPE 8948

