

COORS PARK SOUTH SUBDIVISION, PRIVATE SANITARY SEWER, SAS CONNECTION TO COORS BOULEVARD VACUUM SAS, AND SANITARY SEWER SERVICES FOR LOTS B-2-A, B-2-B, B-2-C, B-2-D AND B-2-E, LOCATED AT THE INTERSECTION OF DON ENRICO DRIVE SW AND DON LUCIANO DRIVE SW

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Final Construction Plan Review (PWCO 40016) Notification Letter

Date: October 19, 2005
Project Name: Coors Park South Subdivision
Street Address: 2900 Don Felipe Rd. SW (Zone atlas map R-10)
Case No. PWCO 40016
Applicant or Engineer: Marvin R. Kortum (505-299-0774, 934-5786 M)

Dear Applicant,

Bernalillo County Public Works has completed a review of your construction project plans for work within the public right-of-way and compliance with County Codes, Ordinances and Street Standards. Bernalillo County Public Works Division has approved and signed the construction project plans. Please provide two (2) sets of full size complete final construction project plans (As-Built), with all appropriate signatures, within two weeks of this date. Please provide one set of as-constructed construction project plans (As-Built) prior to final Bernalillo County Public Works Division inspection. Plans may be hand delivered or mailed to the 2400 Broadway SE office. Note any additional comments listed below.

Additional Comments:

Provide a valley gutter across the Cul-de-sac entry to take water from the south side of the street to the drainage runoff.

Sincerely,

Tiequan Chen
Tiequan Chen
Bernalillo County Public Works

Please Note:

Review of construction plans, specifications, computations, and shop drawings is only for general conformance with the design concept of the project and general compliance with the plans and specifications. The comments shall not be construed as relieving the Contractor, Owner, Sub-contractor, Engineer, Surveyor or applicant of the full responsibility for providing materials, equipment, and work required by the contract for proper fitting and construction for the works the accuracy and completeness of the submitted, retaining, fabrication processes and techniques of construction and performing the work in a safe manner.

The issuance of a permit, or a review or approval of plan specifications, computations and shop drawings shall not be interpreted to be a permit for, or an approval of, any variance or violation of any of the provisions of any County or State codes, ordinances, standards, or policies. Nor shall such issuance of a permit or approval of plans, specifications, computations, and shop drawings prevent any qualified County representative or inspector from thereafter requiring the correction of errors in said plans, specifications, computations, or shop drawings or from stopping construction operations which are being carried on thereunder when in violation of any County or State codes, ordinances, standards, or policies.

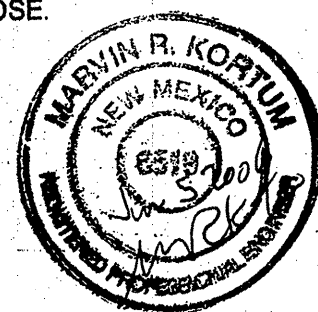
I, MARVIN R. KORTUM, NMPE 6519, CERTIFY THAT I HAVE INSPECTED THE CONSTRUCTED SUBDIVISION. THE CONSTRUCTION AND IMPROVEMENTS ARE IN SUBSTANTIAL COMPLIANCE WITH THE CONSTRUCTION DRAWINGS (PWCO 40016) FOR THE PLAN STAMPED OCTOBER 11, 2005 BY THE ENGINEER, MARVIN R. KORTUM, PE #6519, AND APPROVED OCTOBER 17, 2005 BY ROGER PAUL, FOR THE BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT

THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR A CERTIFICATE OF COMPLETION.

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 THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF SITE CONDITIONS FOR ANY OTHER PURPOSE.

Marvin R. Kortum
MARVIN R. KORTUM
NMPE 6519

June 5, 2006
DATE



PWCO 40016

Paul
BERNALILLO COUNTY PUBLIC WORKS DIVISION

Additional General Notes to Contractor (PWCO 40016):

7. The Contractor will confine his work within the construction easement limits and/or right-of-way or provide copies of agreements with adjacent landowners to the County.
8. If any utility lines, pipelines, or underground utility lines are shown on these drawings, they are shown in an approximate manner only, and such lines may exist where none are shown. If any such existing lines are shown, the location is based upon information provided by the owner of said utility, and the information may be incomplete, or may be obsolete by the time construction commences. The engineer has conducted only preliminary investigation of the location, depth, size, or type of the existing utility lines, pipelines, or underground utility lines. This investigation is not conclusive, and may not be complete, therefore, makes no representation pertaining thereto, and assumes no responsibility or liability therefor. The contractor shall inform itself of the location of any utility line, pipeline, or underground utility line in or near the area of work in advance of and during excavation work. The contractor is fully responsible for any and all damage caused by its failure to locate, identify and preserve any and all existing utilities, pipelines, and underground utility lines. In planning and conducting excavation, the contractor shall comply with state statutes, municipal and local ordinances, rules and regulations, if any, pertaining to the location of these lines and facilities.
9. Prior to construction the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist between these plans and actual field conditions, the contractor shall promptly notify the engineer in writing so that the conflict can be resolved with a minimum amount of delay for all parties.
10. Caution: These drawings do not include necessary components for construction safety which shall remain the responsibility of the contractor. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning safety and health. All excavation, trenching and shoring activities must be carried-out in accordance with OSHA 29 CFR 1926, Subpart F-Excavations.
11. When abutting new pavement to the existing intersecting streets the existing pavement shall be saw cut per Bernalillo County Standard drawing 2465 to a straight line at right angles and any broken or cracked pavement shall be removed. Saw cutting shall be considered incidental to paving, therefore, no direct payment will be made for saw cutting. A Bernalillo County Inspector (848-1500) must verify pavement thickness.
12. When applicable, Contractor shall secure "Topsoil Disturbance Permit" from the City and an excavation/construction permit from the County. An excavation/construction permit will be required before beginning any work within the County right of way.
13. Unless otherwise noted on plans, the following applies:
Any pavement disturbed by the trench shall be removed and the full section of pavement shall be replaced.

For the pavement beyond that disturbed by the excavated trench, the following applies:

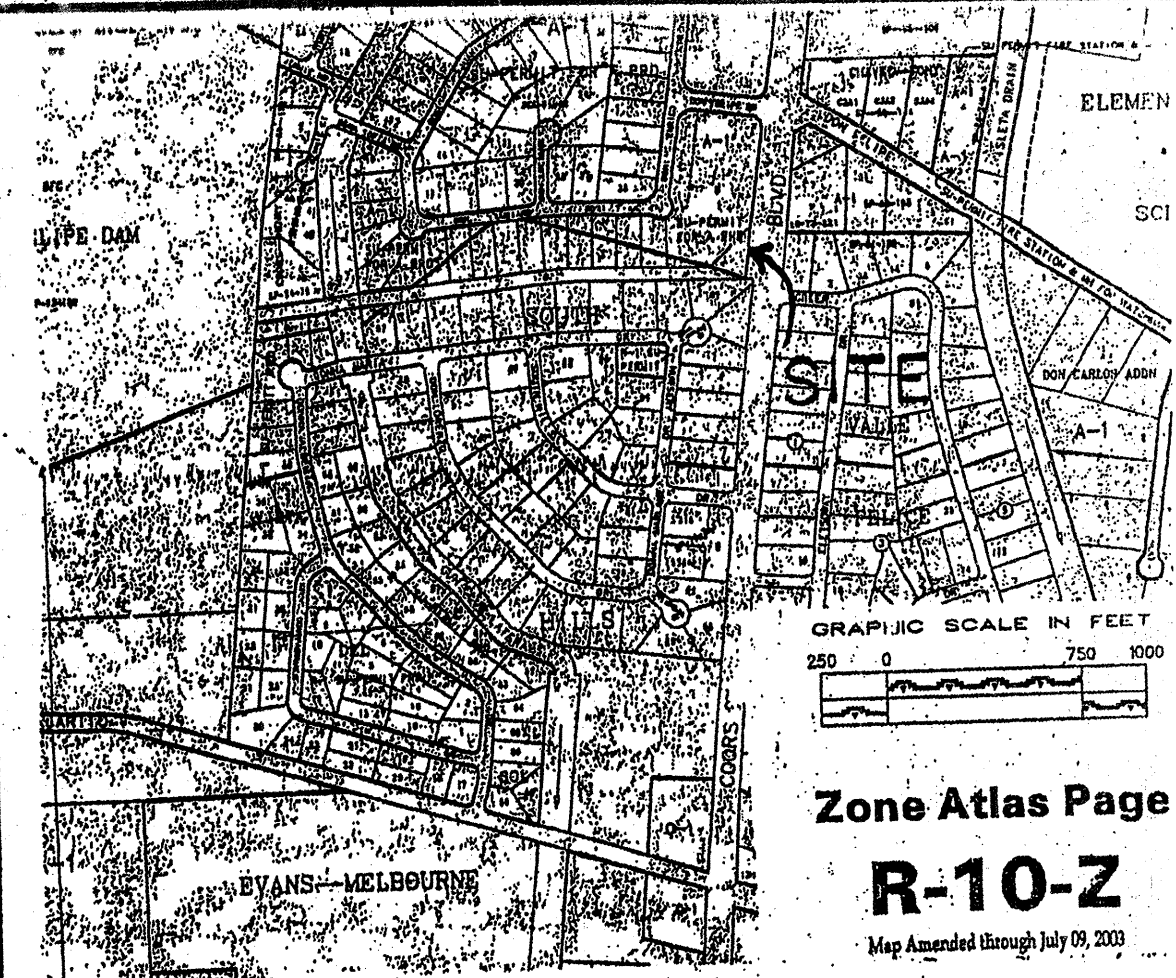
If only one lane disturbed by trenching, the remainder of the one entire lane shall be milled and resurfaced. In a four-lane street, if more than one lane but less than half the street is affected, then the remainder of half the street (two lanes minimum) shall be milled and resurfaced. If more than one-half of any width street is affected, then all paving in the street from curb to curb shall be milled and resurfaced.
14. The Contractor shall perform all work in accordance with the National Pollutant Elimination Discharge System (NPDES) requirements including, but not limited to, obtaining a NPDES Permit during construction, submission of a completed Notice Of Intent (NOI) application, and submission of a completed Notice Of Termination (NOT). The Contractor shall also be responsible for the implementation of and inspection reports for the Storm Water Pollution Prevention Plan (SWPPP). It is the responsibility of the Contractor to have the SWPPP reviewed and approved by the Bernalillo County Public Works Division, at no additional cost to the County, prior to implementation of the SWPPP.
15. Contractor shall maintain a graffiti-free work site. Contractor shall promptly remove any and all graffiti from equipment, whether permanent or temporary. This graffiti removal shall be considered incidental, therefore, no separate payment will be made.

APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Paul
DATE: 9-19-07

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-6633.62

MARVIN R. KORTUM, P.E.
Civil Engineer
NM PE 6519

1305 Speckman Drive, S.E.
Albuquerque, New Mexico 87123
505-299-0774



LEGAL DESCRIPTION: LOTS B-1 THRU B-5, COORS PARK SOUTH, PROJECTED SECTIONS 15 AND 22, T.9N., R.2 E., N.M.P.M., BERNALILLO COUNTY, NEW MEXICO.

NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED THROUGH AMENDMENT 7.
 2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL SYSTEMS, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
 3. 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 OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 4. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED REFER TO SECTION 4.4 OF GENERAL CONDITIONS OF STANDARD SPECIFICATIONS.
 5. FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO THE BERNALILLO COUNTY PWD, A DETAILED CONSTRUCTION SCHEDULE. TWO (2) DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATING DIVISION. CONTRACTOR SHALL NOTIFY THE BARRICADING ENGINEER (848-1500) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATION.
 6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTED OR INDICATED BY THIS PLAN SET.
- SEE NOTES #7 TO #15
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
 - ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
 - ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
 - ☐ SIDEWALKS AND WHEEL CHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - ☐ IF CURB IS DEPRESSIONED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
 - ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP, SIGNATURE		APPROVALS		ENGINEER	DATE	APPROVED FOR CONSTRUCTION	
		DRC Chairman				Engineer Date	
		Transportation					
		Water/Wastewater					
		Hydrology					
		Parks					
Const. Mngmnt.							
CONST. COORD.							
COUNTY PROJECT # PWCO 40016				ABCNWA Project # 26-6633.62		SHEET 1 OF 8	

This is a detailed street map of a residential neighborhood in San Jose, California. The map features a dense network of streets, including Garden St, Hawthorne Ave, Sherborn Dr, and Santa Clay St. A specific lot, identified as Lot 10, is highlighted with diagonal hatching. The map also shows various other lots, some numbered (e.g., 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100). The map includes a scale bar indicating distances up to 100 feet. The city name 'SAN JOSE' is visible at the top right, and 'SANTA CLAY' is visible at the bottom right.

SUBDIVISION DATA / NOTES

SUBDIVISION DATA / NOTES

1. PLAT WAS COMPILED USING EXISTING RECORD DATA & ACTUAL FIELD SURVEY.
2. BEARINGS ARE NEW MEXICO STATE PLANE GRID BEARINGS. CENTRAL ZONE, NAD 1927, AND ARE BASED ON ACS CONTROL MONUMENTS 5-010 AND 2-010. AS SHOWN HEREON.
3. DISTANCES ARE GROUND DISTANCES.
4. PLAT SHOWS ALL EASEMENTS OF RECORD.
5. BEARINGS AND DISTANCES ARE PER THE PLAT OF COOPER PARK SOUTH, FILED IN BERNALILLO COUNTY, NEW MEXICO ON AUGUST 15, 1966 IN VOLUME VOL. 95C, FOLIO 30.
6. GROSS AREA, 2,571.5 ACRES
7. NUMBER OF EXISTING LOTS: 1
8. NUMBER OF LOTS CREATED: 5
9. PROPERTY IS ZONED A-1.

Subject property is located within Zone X, designating areas determined to be outside the 0.2% annual chance flood plain according to the Flood Insurance Rate Map, Bernalillo County, New Mexico and Incorporated Areas per Map No. 35001 C0526E, effective date November 19, 2003.

THIS IS TO CERTIFY THAT TAXES ARE CURRENT & PAID ON
UPC#: 100-051-280-427-20234
PROPERTY OWNER OF RECORD: Carrie Shroyer

BERNALILLO COUNTY TREASURER'S OFFICE:
Shroyer 6/17/06

[illegible]

FREE CONSENT

FREE CONSENT

THE UNDERSIGNED OWNER(S) AND PROPRIETOR(S) OF THE PROPERTY DESCRIBED HEREON DO HEREBY
CONSENT TO THE PLATTING OF SAID PROPERTY AS SHOWN HEREON AND THE SAME IS WITH THE FREE
CONSENT AND IN ACCORDANCE WITH THEIR DESIRES AND SAID OWNERS WARRANT THAT THEY HOLD
COMPLETE AND INDEFEASIBLE TITLE IN FEE SIMPLE TO THE LAND SUBDIVIDED AND DO HEREBY GRANT
ADDITIONAL EASEMENT(S) AS SHOWN AND DO HEREBY DEDICATE ADDITIONAL STREET RIGHT-OF-WAY TO
THE LIFE, USE, ENJOYMENT, AND BENEFIT OF THE PUBLIC.

DATE: 2-2-2006
OWNER'S SIGNATURE: Henry & Cecily
OWNER'S PRINT NAME: Henry & Cecily
ADDRESS: 185 N San Juan Ave, San Juan, P.R. 00925
ACKNOWLEDGMENT: 185
STATE OF P.R.)
COUNTY OF San Juan)
THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 23rd DAY OF MAY, 2006.
BY: Henry & Cecily
MY COMMISSION EXPIRES: 01-01-2006
NOTARY PUBLIC: [Signature]

NOTARY PUBLIC

notary public
in and for the state of Washington,
residing at: 502776 E. 1st Ave. N. Seattle, WA 98107

APPROVED on the condition that all rights of the Middle Rio Grande Conservancy District in easements, rights of way, assessments and liens, are fully reserved to said District, and that if provision for irrigation source and easements are not provided for by the subdivider for the subdivision, in addition, or in part, said District is absolved of all obligations to furnish irrigation waters and services to any portions thereof, other than from existing turnouts reserved therefrom.

DATE 12/26/64

APPROVED DATE 10/10/10

CONVEYOR'S CERTIFICATION

I, Gary E. Gotsko, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat and description were prepared by me or under my supervision, shows all easements as shown on the plat of record or shown known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the minimum requirements for monumentation and surveys of the Aborigine Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in the State of New Mexico, and I swear to the best of my knowledge and belief.

Gary E. Gribbo
 Date May 19, 2005

Gary E. Grieko
Professional Summary 8686

CURVEVS SOUTHWEST LTD:

333 LOMAS BLVD., N.E.
ALBUQUERQUE, NEW MEXICO
87102
PHONE: (505) 998-0303
FAX: (505) 998-0306

T9N R2E SEC. 15 & 22

PLAT OF

LOTS B-2-A, B-2-B, B-2-C, B-2-D & B-2-E
COORS PARK SOUTH
SITUATE WITHIN PROJECTED SECTIONS 15 & 22,
T 9 N., R. 2 E., N.M.P.M.

PAJARITO GRANT
BERNALILLO COUNTY, NEW MEXICO
MAY, 2005
SHEET 2 OF 2

CURVE TABLE				CHORD BEARING	
CURVE	LENGTH	RADIUS	DELTA	CHORD	CHORD BEARING
C-1	85.25	53.00	89.59°31"	74.95	N51.34°30"E
C-2	21.23	26.00	43.26°33"	20.73	N44.34°30"E
C-3	78.13	45.00	101.38°34"	63.67	N42°11"E
C-4	32.13	28.00	23.55°40"	33.77	N73°51°31"W
C-5	44.50	50.00	51.05°40"	43.13	S65°36°31"E
C-6	34.50	50.00	40.05°42"	34.28	N67°57°48"E
C-7	34.69	50.00	40.05°42"	34.28	N27°52°06"E
C-8	34.69	50.00	40.05°42"	34.28	N12°33°37"W
C-9	68.57	50.00	79.34°33"	64.10	N27°08°20"E
C-10	58.14	28.00	118.36°39"	48.25	S52°20°52"W

MONUMENT LEGEND

△ - FOUND CONTROL STATION AS NOTED
□ - FOUND MONUMENT AS NOTED
⊙ - SET 1/2" REBAR W/YELLOW PLASTIC
CAP STAMPED "GRISO L38686"
UNLESS OTHERWISE NOTED

SURVEYS SOUTHWEST LTD.

333 LOMAS BLVD., N.E.
ALBUQUERQUE, NEW MEXICO
87102
PHONE: (505) 998-0303
FAX: (505) 998-0306

T9N R2F SEC. 15 & 22

1"=20'

I certify that I have personally inspected the Coor Park South, lots B-1 thru B-5, site and the surrounding terrain. The representation of the land and the contours are as presented on these drawings and the accompanying text as of October 2003.

Marvin R. Kortum
MARVIN R. KORTUM
N.M.P.C. 6579

05/17/2003

THIS 6" SAS MAIN IS A STUB-OUT FROM THE MANHOLE B THAT IS FOR THE USE OF FUTURE DEVELOPMENT ON LOT B-1. SEE NOTE ON SHEET 5 OF 8

DON LUCIANO ROAD SW
TBM 4919.28

COORS BLVD SW

TBM 4919.88

EXISTING MH
VAC SAS BUFFER TANK
RIM 19.70
INVERT IN 10.90
TOP VAC OUT 14.20
MH INVERT 02

AMAFCA MARKER
4918.83

LEGEND

EXISTING	PROPOSED
SPOT ELEVATION	57.45
TOP OF SIDEWALK	TS
TOP OF WALL	TW
TOP OF CURB	TC
FLOW LINE INVERT	FL
POND INVERT (BOTTOM)	PB
FINISHED FLOOR ELEVATION	FFE
CONTOUR LINE	60
STRUCTURE	
PROPERTY LINE	
LOT NUMBER	
BUILDING NUMBER	

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD	CHORD BEARING
C-1	83.25	53.00	89°59'31"	74.95	S51°58'31"W
C-2	21.23	28.00	43°26'33"	20.73	S14°44'49"E
C-3	79.83	45.00	101°38'34"	69.77	N14°21'11"E
C-4	36.13	28.00	73°55'40"	33.67	N77°51'31"W
C-5	44.59	50.00	51°05'40"	43.13	S66°26'31"E
C-6	34.99	50.00	40°05'42"	34.28	N67°57'48"E
C-7	34.99	50.00	40°05'42"	34.28	N27°52'06"E
C-8	34.99	50.00	40°05'42"	34.28	N12°13'37"W
C-9	35.02	50.00	40°08'06"	34.31	N52°20'31"W
C-10	34.55	50.00	39°35'38"	33.87	S87°47'38"W
C-11	58.14	28.00	118°58'39"	48.25	S52°30'52"E

AMAFCA DRAIN RIGHT-OF-WAY

AS BUILT INFORMATION	
CONTRACTOR	DATE
WORK STARTED BY	DATE
INSPECTOR'S NAME	DATE
FIELD VERIFICATION BY	DATE
CORRECTION BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	NO.
BENCH MARKS	
ALBUQUERQUE CONTROL STA. R-10 LOCATED AT THE INTERSECTION OF COORS BLVD AND DON FELPE RD. IN THE NORTHWEST QUADRANT, THE CORNER OF THE PEDestal FOR THE OVERHEAD SIGN. ELEVATION IS 4821.087 (NGVD28)	
SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	BY
ENGINEER'S SEAL	
K-16 27 2003 MARVIN R. KORTUM N.M.P.C. 6579	
REVISIONS	
NO.	DATE
DESIGNED BY: MARVIN R. KORTUM DATE: 05/17/2003	
DRAWN BY: MFK DATE: 05/17/2003	
CHECKED BY: MARVIN R. KORTUM DATE: 05/17/2003	

BERNALILLO COUNTY
PUBLIC WORKS DIVISION

TITLE: COORS PARK SOUTH SUBDIVISION
GRADING PLAN AND STREET IMPROVEMENTS

COUNTY PROJECT # PWCO 40016

ZONE MAP R-10

SHEET 3 OF 8

Mo./Day/Yr. Mo./Day/Yr.

ABCIWA Proj No. 6633.62

ABCWUA Proj. No
6633.62

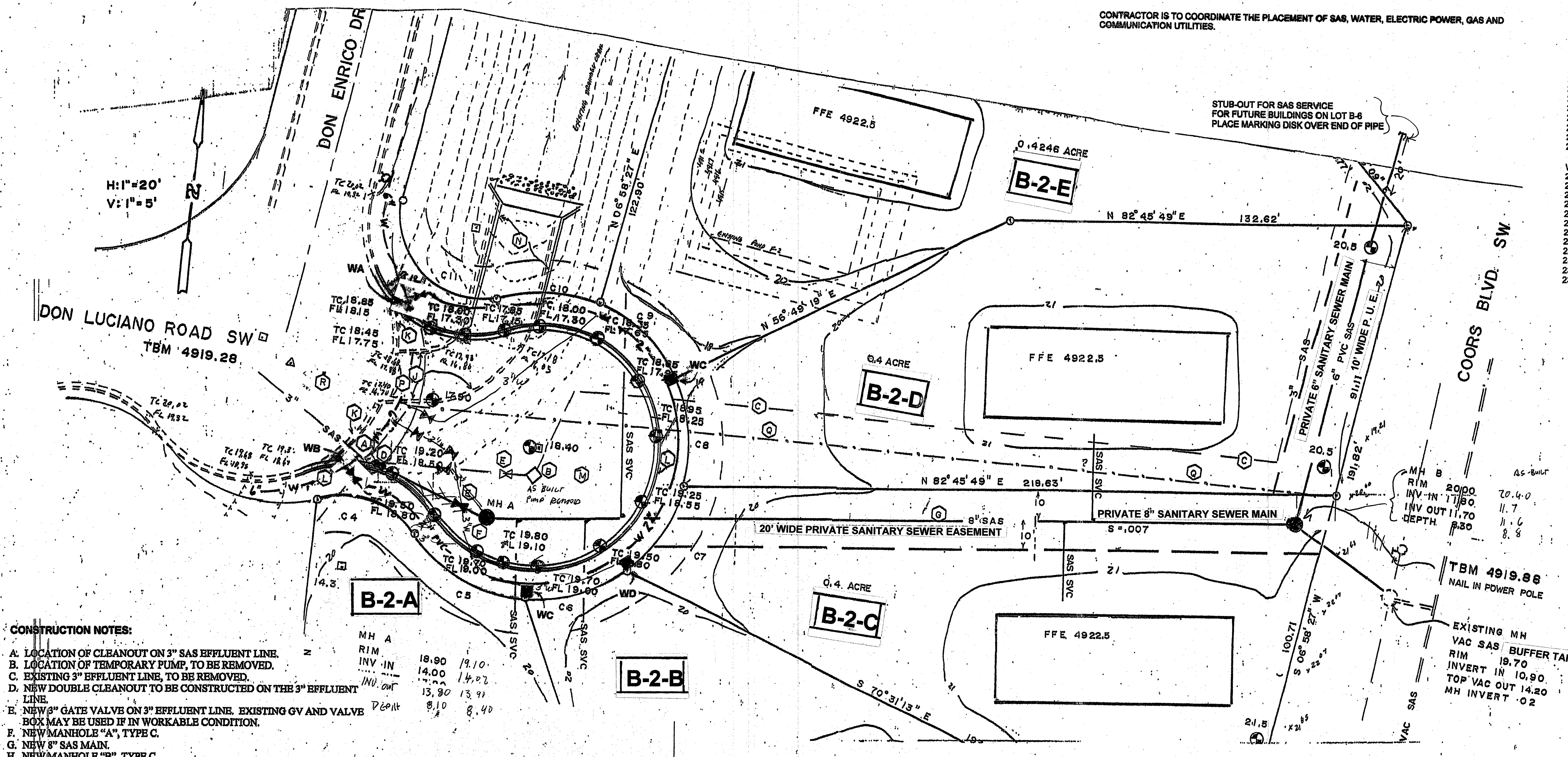
CONTRACTOR IS TO COORDINATE THE PLACEMENT OF SAS, WATER, ELECTRIC POWER, GAS AND COMMUNICATION UTILITIES.

REFER TO THE FOLLOWING STANDARDS:
(CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS)

- SEWER
- 2101 MANHOLE TYPE "C"
 - 2102 MANHOLE TYPE "E"
 - 2107 CONCRETE MANHOLE COVER TYPE "C"
 - 2110 MANHOLE FRAME AND COVERS
 - 2111 MANHOLE ADJUSTMENT RING
 - 2118 SERVICE LINE CONNECTIONS AT MANHOLE
 - 2125 SERVICE LINE DETAILS
 - 2138 RISER DETAILS FLEXIBLE PIPE MAIN
 - 2140 ENCASMENT DETAILS
 - 2145 SEWER LINE DEAD-END MARKER

- WATER
- 2301 WATERLINE CONNECTION DETAILS
 - 2315 PIPE TRENCH TERMINOLOGY
 - 2320 CONCRETE BLOCKING DESIGN
 - 2326 WATER VALVE BOX
 - 2328 RING & COVER FOR VALVE BOX
 - 2333 WATER VALVE ANCHORAGE
 - 2381 TYPICAL METER BOX INSTALLATIONS
 - 2382 METERED SERVICE LINE INSTALLATIONS
 - 2383 METERED SERVICE LINE INSTALLATIONS
 - 2386 DOUBLE METER BOX FOR 1/2" AND 1" METERS
 - 2388 METER BOX AND COVER
 - 2389 HEAVYWEIGHT METER BOX COVER AND LID

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION			
CONTRACTOR	WORK	DATE	BY	CONTRACTOR	WORK	DATE	BY	NO.	DATE	BY	NO.
	INSPECTED BY	DATE			ALBUQUERQUE CONTROL STA. R-10						
	ACCEPTANCE BY	DATE			LOCATED AT THE INTERSECTION OF						
	FIELD	DATE			COORS BLVD AND DON LUCIANO RD.						
	DRAWINGS	DATE			IN THE NORTHWEST QUADRANT, THE						
	CORRECTED BY	DATE			STATION IS ON THE SOUTHEAST						
					CORNER OF THE PEDESTAL FOR THE						
					OVERHEAD SIGN.						
					ELEVATION IS 4921.087 (NGVD29)						



CONSTRUCTION NOTES:

- A. LOCATION OF CLEANOUT ON 3" SAS EFFLUENT LINE.
- B. LOCATION OF TEMPORARY PUMP, TO BE REMOVED.
- C. EXISTING 3" EFFLUENT LINE, TO BE REMOVED.
- D. NEW DOUBLE CLEANOUT TO BE CONSTRUCTED ON THE 3" EFFLUENT LINE.
- E. NEW 3" GATE VALVE ON 3" EFFLUENT LINE. EXISTING GV AND VALVE BOX MAY BE USED IF IN WORKABLE CONDITION.
- F. NEW MANHOLE "A", TYPE C.
- G. NEW 8" SAS MAIN.
- H. NEW MANHOLE "B", TYPE C.

WATER MAIN CONSTRUCTION NOTES

- WA CONNECT NEW 2" WATER MAIN TO EXISTING 6" WATER MAIN. VERIFY THAT EXISTING WATER MAIN IS 160 PSI PIPE, AND USE THE SAME OR HIGHER PRESSURE RATING FOR THE NEW 2" PIPE. INSTALL A 2" GATE VALVE ON THE 2" WATER MAIN. INSTALL A 2" GATE VALVE ON THE 6" WATER MAIN. PLACE FITTINGS AS NECESSARY TO PLACE 2" WATER MAIN IN LOCATION AS SHOWN. BLOCK THE TEE CONNECTION, GATE VALVES, AND ANY BENDS WITH PC CONCRETE.
- WB CONNECT NEW 2" WATER MAIN TO EXISTING 6" WATER MAIN. BLOCK VALVE, TEE, AND ANY BENDS WITH PC CONCRETE.
- WC INSTALL 1" DOUBLE SERVICE BOX WITH CONNECTION TO THE 2" WATER MAIN.
- WD INSTALL 1" SINGLE SERVICE BOX.

GENERAL NOTE: VERIFY LOCATION OF WATER MAIN, VALVES, AND SERVICES WITH THE SOUTH HILLS WATER COMPANY.

- PAVEMENT
- 2405A LOCAL RESIDENTIAL STREET SECTION
 - 2405B MAJOR LOCAL STREET SECTION
 - 2415A CURB AND GUTTER AND CURB CUT DETAILS
 - 2415B CURB AND GUTTER AND TEMPORARY PAVEMENT SECTION
 - 2418 MOUNTABLE TO STANDARD CURB TRANSITION
 - 2420 CONCRETE VALLEY GUTTER
 - 2425 DRIVEPADS
 - 2430 SIDEWALK DETAILS
 - 2432 SIDEWALK TRANSITIONS
 - 2440 CURB ACCESS RAMP
 - 2441 WHEEL CHAIR ACCESS RAMP
 - 2460 MANHOLE AND VALVE BOX REGRADING
 - 2465 PAVEMENT CUTS FOR UTILITIES

STATIONING IS ALONG THE COMMON PROPERTY LINE BETWEEN LOTS B-3 AND B-4. STATION 4+00 IS THE NORTHEAST CORNER OF LOT B-3.

- STATION 0+80, 5' LEFT
INSTALL DOUBLE CLEANOUT, NOTE A.
INVERT, 14.3
- STATION 1+09, 7' RIGHT
INSTALL 3" GATE VALVE AND VALVE BOX, NOTE B.
- STATION 1+18, 10' RIGHT
CONSTRUCT MANHOLE "A", NOTE F.
RIM ELEVATION 18.9
INVERT IN 14.0
INVERT OUT 13.9
DEPTH 5.1'

- STATION 4+09, 10 FEET RIGHT
CONSTRUCT MANHOLE "B", NOTE H.
RIM ELEVATION 20.0
INVERT IN 11.8
INVERT OUT 11.7
DEPTH 8.3'
- STATION 4+18, 35' RIGHT
CONNECT TO EXISTING VACUUM MANHOLE
RIM ELEVATION 19.7
INVERT IN 10.9

COORS PARK SOUTH, LOTS B-1 TO B-5
SANITARY SEWER SERVICES FOR LOTS B-1 TO B-5

STATION	SERVICE TO LOT	TOP OF SAS MAIN	LENGTH OF SERVICE	INVERT AT END OF SERVICE
127	B-1	14.68	30	15.26
150	B-2	14.82	30	15.42
162	B-5	14.91	80	16.51
309	B-3	15.94	25	16.44
318	B-4	16.00	25	16.50

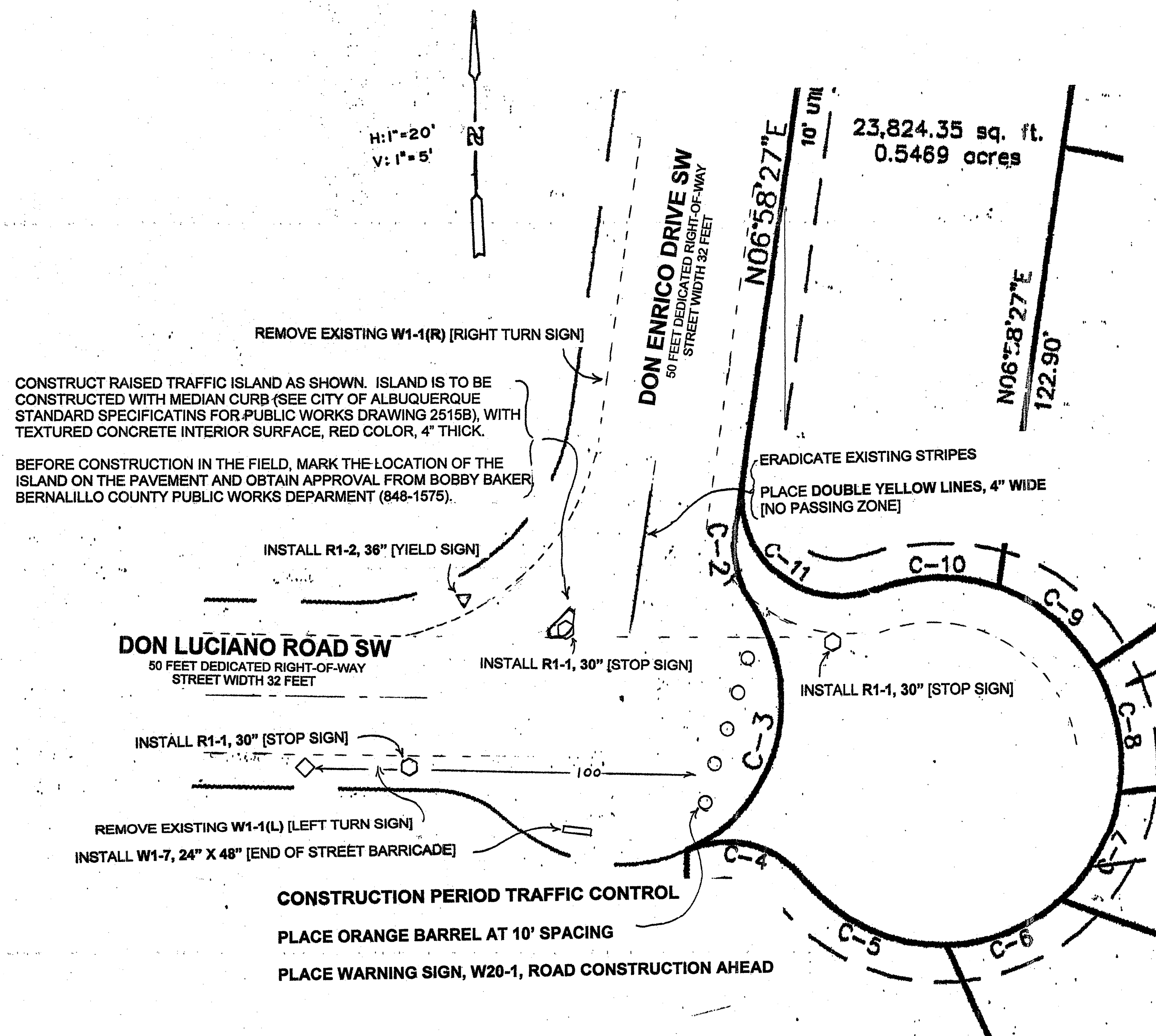
NOTE: INVERT AT END OF SERVICE MAY BE INSTALLED HIGHER THAN SHOWN, BUT NO HIGHER THAN 4' BELOW THE FINISHED GRADE OR THE TOP OF THE CURB, AS APPLICABLE.

BERNALILLO COUNTY
PUBLIC WORKS DIVISION

TITLE: COOR PARK SOUTH SUBDIVISION, SANITARY SEWER, WATER MAIN, SAS AND WATER SERVICES FOR LOTS B-1 TO B-5, AND SANITARY SEWER CONNECTION TO VACUUM SAS IN COORS BOULEVARD SW.

Design Review Committee	Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

COUNTY PROJECT # PWCO 40016 ZONE MAP R-10 SHEET 5 OF 8



ABCWUA Prg No.
6633.62

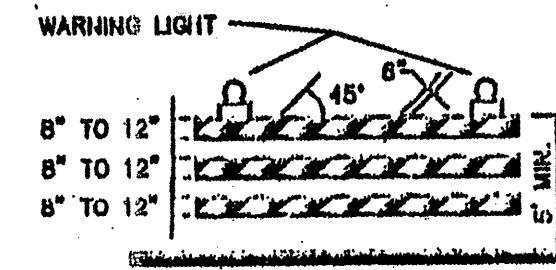
BERNALILLO COUNTY PUBLIC WORKS DIVISION			
TITLE: COORS PARK SOUTH SUBDIVISION TRAFFIC CONTROL DURING CONSTRUCTION TRAFFIC CONTROL SIGNAGE AND MARKINGS FOR PROJECT COMPLETION			
COUNTY PROJECT #		ZONE MAP	
PWCO 40016		R-10	
SHEET		OF	
6		8	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		ALBUQUERQUE CONTROL STA R-10 LOCATED AT THE INTERSECTION OF COORS BLVD AND DON FELIPE RD. IN THE NORTHWEST QUADRANT, THE STATION IS ON THE SOUTHEAST CORNER OF THE PEDESTAL FOR THE OVERHEAD SIGN. ELEVATION IS 4921.087 (NGVD29)		CONTRACTOR	
		NO.	BY	DATE	WORKED BY	DATE	
REVISIONS		NO.		DATE		ACCEPTANCE BY	
DESIGN		NO.		DATE		VERIFICATION BY	
DRAWN BY: MARVIN R. KORTUM		NO.		DATE		DRAWINGS	
CHECKED BY: MARVIN R. KORTUM		NO.		DATE		CORRECTED BY	
DATE: 06/11/2005		NO.		DATE		MICRO-FILM INFORMATION	
DATE: 06/11/2005		NO.		DATE		RECORDED BY	
DATE: 06/11/2005		NO.		DATE		NO.	

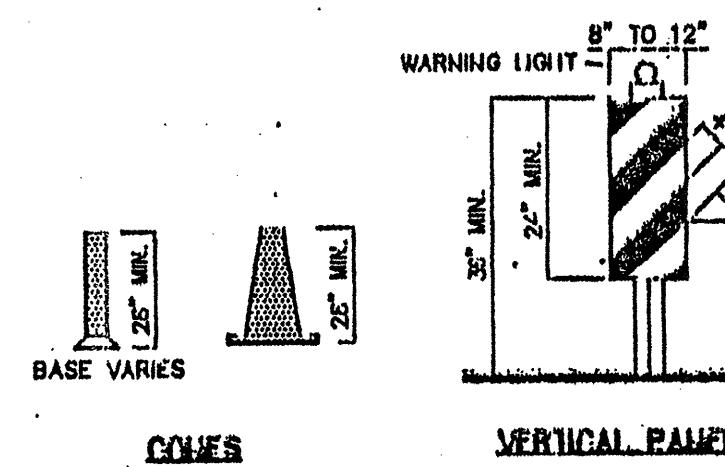
CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM THE CITY OF ALBUQUERQUE AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITHIN THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED. 
12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERS ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
19.  48 HOURS PRIOR TO OCCUPANCY OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED. PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
 1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D. 
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. 



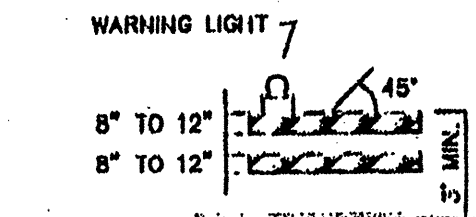
TYPE III BARRICADE



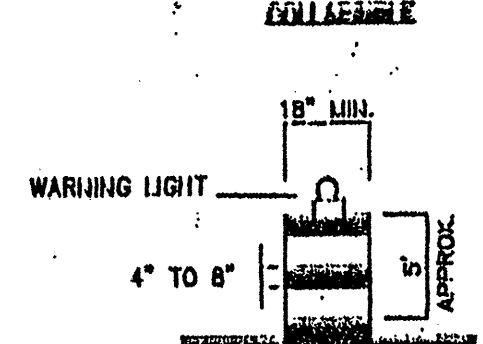
COLES

VERTICAL PANEL

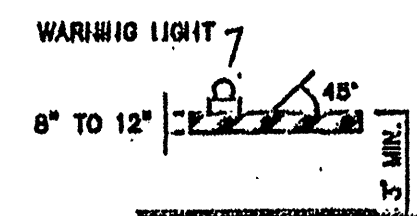
WADING DEVICE



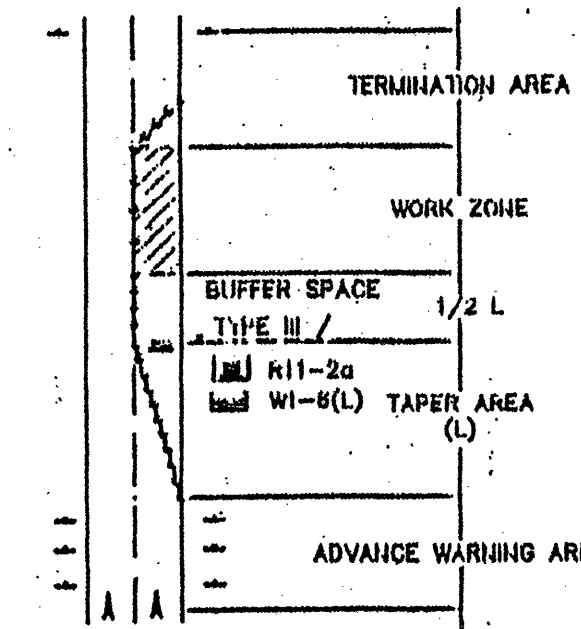
TYPE M BARRICADE



BARCEL

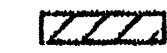


TYPE I. BARRICADE



TRAFFIC CONTROL ELEMENTS

LEGEND



	WORK AREA
•	BARRICADE - TYPE I, TYPE II, OR BARREL
—	BARRICADE - TYPE III
X	VERTICAL PANEL
	WARNING SIGN
D	DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
	FLAGMAN POSITION
S	SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
L	TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM HULLER OF DEVICES FOR TAPE	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR
ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

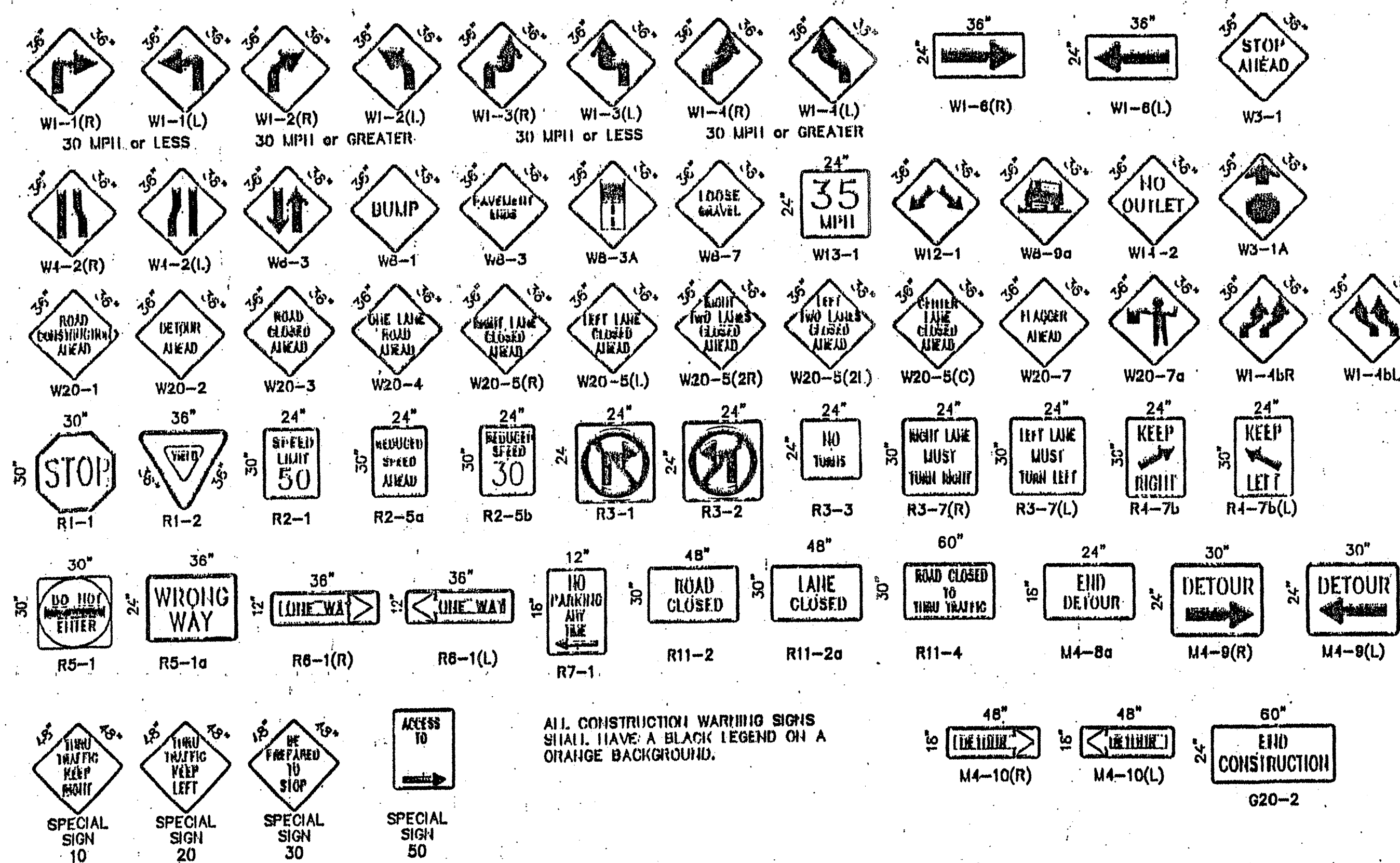
<u>TYPE OF TAPER</u>	<u>TAPER LENGTH</u>
UPSTREAM TAPER:	
MERGING TAPER	1/2 L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

<u>SPEED LIMIT</u>	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK
85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ABCWUA Proj. No.
6633, 62

APPROVAL		SHEET		OF	
CONTROL STANDARDS					
MO./DAY/YR.		MO./DAY/YR.			
APPROVAL		SHEET		OF	

