

Super Kmart Store No. 4136

PHASE I

EXPANSION PLANS

CARLISE AND INDIAN SCHOOL SUBDIVISION
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, STATE OF NEW MEXICO

SHEET INDEX

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
1.	COVER SHEET	9.	EROSION CONTROL PLAN
2.	BUILDING SAFETY DIVISION STANDARD APPROVAL PLAN	10.	RETAINING WALL PLAN & PROFILE
3.	GENERAL NOTES AND DETAILS	11.	CONSTRUCTION STANDARDS AND DETAILS
4.	NOTES, LEGENDS, ABBREVIATIONS AND DETAILS	12.	CONSTRUCTION STANDARDS AND DETAILS
5.	TOPOGRAPHIC SURVEY	13.	CONSTRUCTION STANDARDS AND DETAILS
6.	DEMOLITION PLAN	14.	CONSTRUCTION STANDARDS AND DETAILS
7.	GRADING PLAN	15.	SIGNING AND TRAFFIC CONTROL STANDARDS
8.	UTILITY PLAN	16.	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)
8a.	WATER MAIN AND EASEMENT OVERLAY		

PRIVATE AGENCY/OWNER REVISION BLOCK:			
No.	Date:	Description of Revision and/or Addenda	Reference Affected Sheet
	03/27/01	ISSUED FOR CITY REVIEW	ALL 12 SHEETS
	05/18/01	ISSUED FOR BIDS	ALL 12 SHEETS
△	07/05/01	BID ADDENDUM NO.1	ALL 16 SHEETS
△	08/30/01	BID BULLETIN NO.1	ALL 16 SHEETS
△	09/12/01	BID BULLETIN NO.2	SHEET NOS. 8 & 11

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26 6659.81 01



KMART
Development
Kmart Corporation
3100 West Big Beaver Road
Troy, MI 48064-3163

PREPARED BY:
LARS ANDERSEN AND ASSOCIATES, INC.
CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
4630 WEST JACQUELYN AVENUE SUITE 110 FREMONT, CA 94722
TEL: 509 276-2700 FAX: 509 276-0850 EMAIL: lars@larsandersen.com

REV. SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****	
		DRC CHAIRMAN	<i>[Signature]</i>	10-8-01	APPROVED FOR CONSTRUCTION	
		TRANSPORTATION	<i>[Signature]</i>	10/8/01		
		WATER/WASTEWATER	<i>[Signature]</i>	10/08/2001		
		HYDROLOGY	<i>[Signature]</i>	10/8/01		
		PARKS	<i>[Signature]</i>	10/8-01		
CONSTR. MNGMT.						
CONSTR. COORD.				10-8-01		
City Project No.		665981		1		16

FOR INFORMATION ONLY

DRB # 01450-00000-053

CONSTRUCTION ADDRESS _____

APPLICANT TO PROVIDE ALL INFORMATION BELOW:

TYPE OF APPLICATION
☐ NEW BUILDING ☐ REMODEL
☐ SHELL-ONLY ☐ REPAIR
☐ ADDITION ☐ OTHER

LEGAL DESCRIPTION
LOT NO. _____ BLOCK NO. _____
SUBDIVISION _____
TRACT _____ PARCEL _____ UNIT _____
UNIFORM PROPERTY CODE _____

OWNER
ADDRESS _____ PHONE _____
ZIP _____

ARCHITECT, ENGINEER
OR DESIGNER
ADDRESS _____ PHONE _____
ZIP _____

CONTRACTOR
ADDRESS _____ PHONE _____
ZIP _____

NM STATE LICENSE NO. _____
LICENSE CLASSIFICATION _____
NM STATE TAX NO. _____
ALB. BUSINESS REG. NO. _____

CONSTRUCTION DATA:
NUMBER OF STORIES _____
SQUARE FOOTAGE _____
VALUATION OF WORK _____

NO. OF APT. OR
MOTEL UNITS _____ BUILDINGS _____

OWNERSHIP
☐ PRIVATE
☐ PUBLIC

DESCRIPTION OF WORK:

☐ PUBLIC (BUILT WITH PUBLIC FUNDS)
☐ COMMERCIAL
☐ TRIPLEX
☐ FOURPLEX
☐ APARTMENT COMPLEX GREATER THAN
FOUR UNITS
☐ FOUNDATION ONLY
☐ FOUNDATION FOR MODULAR BUILDING
☐ OTHER (DESCRIBE) _____

GENERAL NOTES

- One set of approved plans shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.
- Separate permits are required for plumbing, gas and electrical work.
- For foundation-only permits, a separate set of plans must be submitted. Plumbing, mechanical and electrical work insofar as the slab shall be inspected and approved before any concrete is poured.
- The issuance of a permit does not guarantee that the permit holder (owner) will receive a Certificate of Occupancy upon completion of construction. It is the permit holder's responsibility to comply with all of the requirements for a Certificate of Occupancy including obtaining water and sanitary sewer service, electrical service and natural gas service.
- The issuance of this building permit does not constitute a guarantee of water and sanitary sewer service. Such availability is determined by the Utility Development Division of the Public Works Department.
- City-approved street and alley top-of-curb elevations shall be used when establishing lot grades and rear property lines. In the event that these approved elevations are not used, the City assumes no responsibility for loss of access to property or damage to property-line walls upon construction of streets, alleys, cuts and gutters.
- Separate permits are required for retaining walls, garden walls and fences.
- Gates in walls or fences on private or public property shall not swing over sidewalks, streets, alleys or other public rights-of-way.
- Toilet facilities for the workers shall be provided at all construction sites.

TRANSPORTATION DEVELOPMENT

(505) 924-3620

PLANS DISAPPROVED _____ DATE _____
PLANS APPROVED _____ DATE _____

PLANS CORRECTIONS REQUIRED:
(INDICATE ORDINANCE SECTION REFERENCE)

FIRE MARSHAL

(505) 924-3811

- All items listed below shall be installed in accordance with applicable fire codes prior to a building (or portion of a building) being occupied.
- All required fire hydrants shall be installed and operable before any building (or portion of the building) is occupied.
- An approved and adequate water supply shall be provided before any combustible materials are delivered to the building site.

NAME OF BUSINESS _____ STORE OR SPACE NO. _____
OCCUPANCY GROUP _____ CONSTRUCTION TYPE _____
FIRE FLOW REQ. _____ FIRE HYDRANT'S REQ. _____

PLANS DISAPPROVED _____ DATE _____
PLANS APPROVED _____ DATE _____

PLANS CORRECTIONS REQUIRED:
(INDICATE ORDINANCE SECTION REFERENCE)

IS THIS DEVELOPMENT
WITHIN 1000 FT. OF A
FORMER LANDFILL SITE?
YES ☐
NO ☐

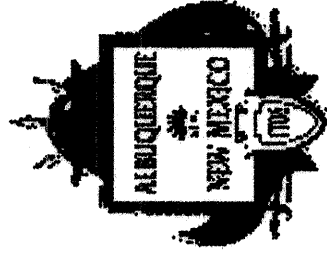
CERTIFICATE OF OCCUPANCY REQUIRED? YES ☐ NO ☐

SHELL CERTIFICATE OF COMPLETION REQUIRED? YES ☐ NO ☐

APPROVALS REQUIRED PRIOR TO ISSUANCE OF CERTIFICATE:
INITIALS _____

- ☐ ENVIRONMENTAL HEALTH
☐ FIRE MARSHAL
☐ HYDROLOGY
☐ MECHANICAL
☐ PLUMBING
☐ ELECTRICAL
☐ BOILER
☐ ELEVATOR
☐ REFUSE
☐ TRANSPORTATION DEVELOPMENT
☐ BUILDING CODE
☐ ZONING

NOTE: Final inspections are required on all permitted work whether a Certificate of Occupancy is required or not.



CITY OF
ALBUQUERQUE

BUILDING SAFETY DIVISION

600 Second Street N.W.
Albuquerque, New Mexico 87102

ZONING ENFORCEMENT

(505) 924-3849

CITY ZONE _____ ZONING MAP _____ ZZZA _____ LOT ACREAGE _____
USE _____

CAUTION ON LOCATION OF STRUCTURE: City approval is contingent upon correct information being received from the owner's agent (architect, engineer, etc.). Zoning approval is for structures sited exactly as specified on these plans. Setbacks are measured from the lot lines. The lot line at the street right-of-way is not necessarily the curb or the edge of the sidewalk.

- \$ _____ Park Development Fee, Park Dedication and Development Ordinance, Sections 14-9-3(A) and (B), ROA 1994.
- Landscape and irrigation shall be designed, installed, maintained and operated as required by the Water Conservation, Landscaping and Water Waste Ordinance 6-1, ROA 1994.
- All construction shall be in compliance with the Solar Permit Ordinance, 14-11, ROA 1994. City approval of plans is not a guarantee of compliance with any private solar rights which may be recorded with the County Clerk pursuant to Section 14-9-1, NMSA, 1978.
- Proposed construction complies with the Comprehensive City Zoning Code, 14-16, ROA 1994.

PLANS DISAPPROVED _____ DATE _____
PLANS APPROVED _____ DATE _____

PLANS CORRECTIONS REQUIRED:
(INDICATE ORDINANCE SECTION REFERENCE)

ENVIRONMENTAL HEALTH

CONSTRUCTION SERVICES SECTION

E-Mail: aehdconstserv@cabq.gov

PLANS DISAPPROVED _____ DATE _____
PLANS APPROVED _____ DATE _____
CONDITIONAL APPROVAL _____ DATE _____

PLEASE NOTE: Environmental Health administers programs which are not in the general construction permit review process. If the Construction Services Section has determined that your project is regulated by such a program, you will be granted CONDITIONAL APPROVAL. The specifics of the approval condition(s) will be provided below, along with appropriate contact information. While the CONDITIONAL APPROVAL will not impede the issuance of your general construction permit, failure to observe the approval conditions will prevent Construction Services personnel from conducting a final inspection of your project.

PLANS CORRECTIONS REQUIRED:

CONDITIONAL APPROVAL REQUIREMENTS:

TRANSPORTATION DEVELOPMENT

(505) 924-3620

PLANS DISAPPROVED _____ DATE _____
PLANS APPROVED _____ DATE _____

PLANS CORRECTIONS REQUIRED:
(INDICATE ORDINANCE SECTION REFERENCE)

SOLID WASTE DISPOSAL

(505) 761-8100, EXT. 8149

- A final inspection by the plan checker of the Solid Waste Management Department (SWMD) is required. Required refuse container(s) shall be in place before a Certificate of Occupancy will be issued.
- An inspection by the SWMD plan checker is required before the concrete slab or apron is poured.
- Each customer shall provide their own refuse container(s).
- Contact the SWMD at least thirty (30) days prior to occupancy to start service.
- Proposed construction complies with the Albuquerque Municipal Refuse Collection Service Ordinance (Ordinance 42-1980, as amended).

PLANS DISAPPROVED _____ DATE _____
PLANS APPROVED _____ DATE _____

PLANS CORRECTIONS REQUIRED:
(INDICATE ORDINANCE SECTION REFERENCE)

HYDROLOGY

(505) 924-3983

PLANS DISAPPROVED _____ DATE _____
PLANS APPROVED _____ DATE _____

PLANS DISAPPROVED FOR THE FOLLOWING REASONS:
☐ Drainage report/plan required for new construction and for additions of 500 square feet or more to existing structures. See Section 14-5-2.12 of the City's Drainage Ordinance. A pre-design conference with this office is recommended.

- Follow procedures for drainage submittals as outlined on page 1, Section 17, Volume 1 of the City's Development Process Manual.
- Attach a copy of the approved drainage report/plan to each set of building plans.
- Pending approval of drainage report/plan submitted.

FIRE MARSHAL

(505) 924-3811

- All items listed below shall be installed in accordance with applicable fire codes prior to a building (or portion of a building) being occupied.
- All required fire hydrants shall be installed and operable before any building (or portion of the building) is occupied.
- An approved and adequate water supply shall be provided before any combustible materials are delivered to the building site.

NAME OF BUSINESS _____ STORE OR SPACE NO. _____
OCCUPANCY GROUP _____ CONSTRUCTION TYPE _____
FIRE FLOW REQ. _____ FIRE HYDRANT'S REQ. _____

PLANS DISAPPROVED _____ DATE _____
PLANS APPROVED _____ DATE _____

PLANS CORRECTIONS REQUIRED:
(INDICATE ORDINANCE SECTION REFERENCE)

UNIFORM BUILDING CODE

(505) 924-39 _____

- Premises shall not be occupied until a Certificate of Occupancy has been issued in accordance with Section 303 of the Uniform Administrative Code.

DESCRIPTION OF WORK
SIZE OF BLDG. (SQ. FT.) _____ OCCUPANCY GROUP _____
CONSTRUCTION TYPE _____ BUILDING CODE EDITION (YR) _____

PLANS DISAPPROVED _____ DATE _____
PLANS APPROVED _____ DATE _____

PLANS CORRECTIONS REQUIRED:
(INDICATE ORDINANCE SECTION REFERENCE)

UPC, UMC, NEC

(505) 924-3957

CODE EDITIONS (YR):
UPC _____ UMC _____ NEC _____

PLANS DISAPPROVED _____ DATE _____
PLANS APPROVED _____ DATE _____

PLANS CORRECTIONS REQUIRED:
(INDICATE ORDINANCE SECTION REFERENCE)

GENERAL CONSTRUCTION NOTES :

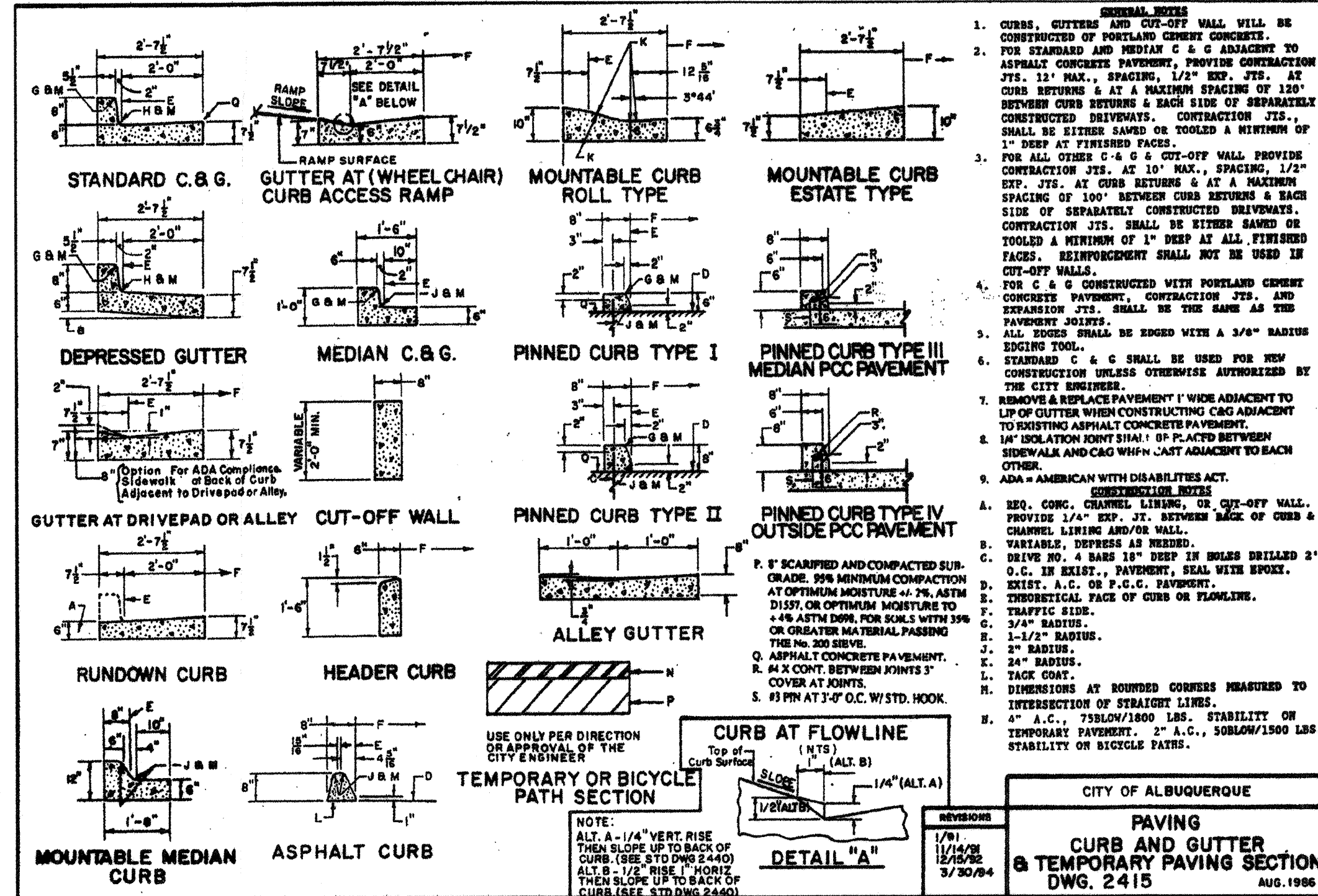
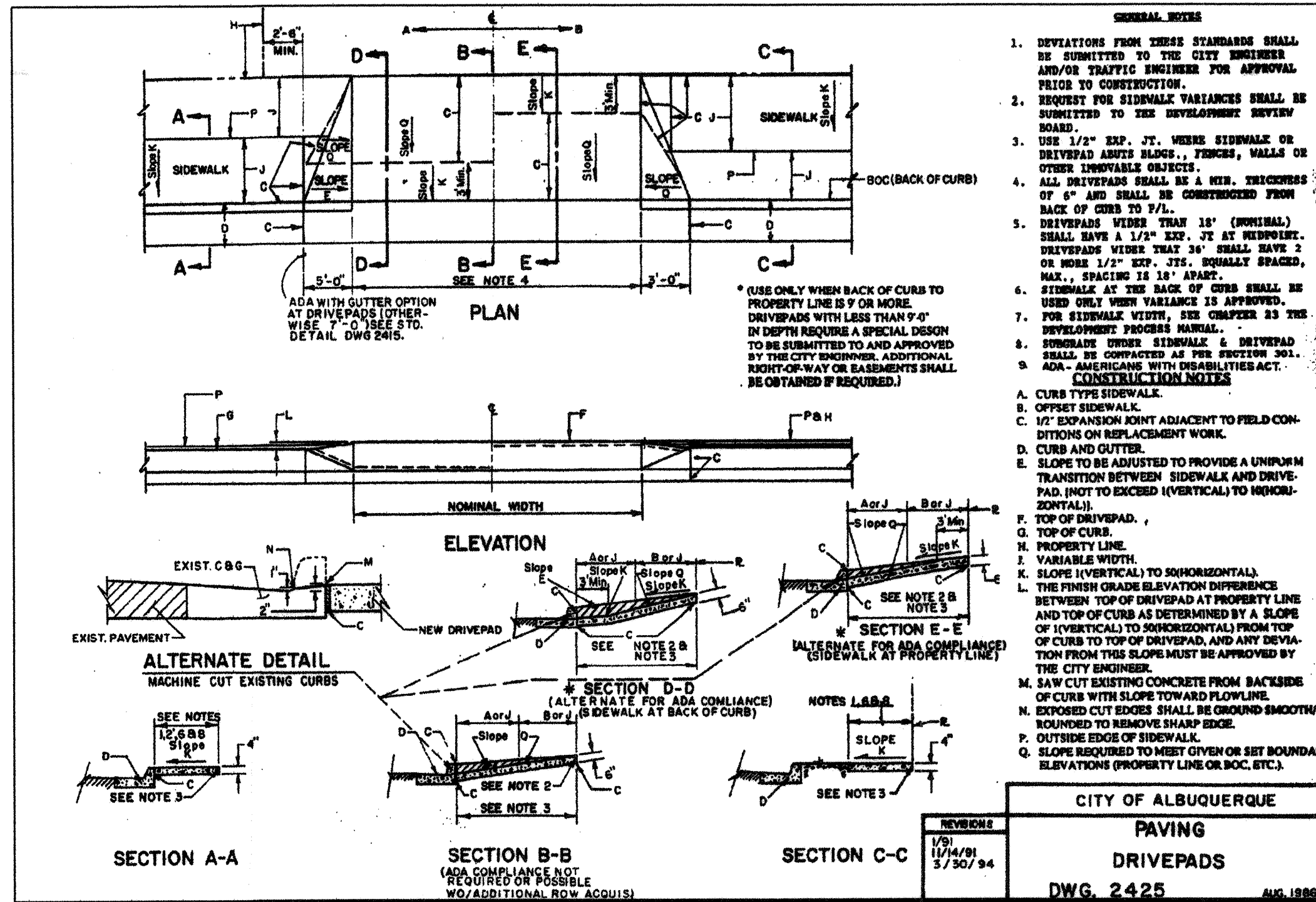
1. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL ON-SITE AND OFF-SITE IMPROVEMENTS IN ACCORDANCE WITH CURRENT CITY OF ALBUQUERQUE STANDARD AND SPECIFICATION.
2. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY FILL MATERIAL REQUIRED OR THE REMOVAL OF ANY SURPLUS EXCAVATED MATERIAL. THERE WILL BE NO EXTRAS BASED ON IMPORTING FILL OR EXPORTING OR SURPLUS MATERIAL.
3. AT ALL TIMES DURING CONSTRUCTION, THE EXPOSED AREAS OF SUB-GRADE SHALL BE MAINTAINED IN A CONDITION WITH THE POSITIVE DRAINAGE OF THE WORK AREA.
4. AC SURFACE DRAINAGE TO BE ONE PERCENT (1%) MINIMUM. NOTIFY PROJECT ENGINEER OF ANY CONFLICTS.
5. ALL SLOPES IN EXCESS OF THREE (3) FEET IN VERTICAL HEIGHT SHALL BE PREPARED AND MAINTAINED TO CONTROL AGAINST EROSION.
6. ALL ELEVATIONS ARE TOP OF CURB UNLESS OTHERWISE NOTED.
7. ANY WORK WITH IN EXISTING STREET RIGHT-OF-WAY WILL REQUIRE AN ENCROACHMENT PERMIT FROM THE CITY OF ALBUQUERQUE CONSTRUCTION MANAGEMENT DIVISION, WHERE APPLICABLE.
8. ALL AREAS SHALL BE GRADED AT 1% MINIMUM FOR DRAINAGE EXCEPT ALONG FLOW LINE OF CURB AND GUTTER OR VALLEY GUTTER, AS SHOWN.
9. ALL SEWER, STORM DRAIN AND TELEPHONE MANHOLES AFFECTED BY THIS PROJECT SHALL BE ADJUSTED TO GRADE AS NECESSARY AND INCLUDED IN THIS WORK.
10. NO WATER MAIN VALVES SHALL BE CLOSED BY THE CONTRACTOR EXCEPT IN THE CASE OF A BROKEN MAIN. THE CONTRACTOR SHALL NOTIFY THE CITY WATER DISTRICT IMMEDIATELY AFTER A LINE IS BROKEN.
11. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY AUTHORITIES OR UTILITY COMPANIES HAVING POSSIBLE INTEREST IN THE WORK OF THE CONTRACTOR'S INTENTION TO EXCAVATE PROPOSED OR EXISTING FACILITIES AND THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITIES IN THE WORK AREA. THE CONTRACTOR SHALL NOTIFY UTILITY NOTIFICATION CENTER OF NEW MEXICO TWO (2) DAYS PRIOR TO BEGINNING ANY EXCAVATION.
12. THE COSTS OF ALL REPEAT TESTING REQUIRED FOR ACCEPTANCE OF WORK SHALL BE FULLY BORNE BY THE CONTRACTOR.
13. ALL AFFECTED WATER MAIN VALVES (CAP AND LID) SHALL BE ADJUSTED TO GRADE.
14. ADJUSTMENT TO BUILDING PAD ELEVATIONS OR PARKING LOT GRADES TO ACHIEVE EARTHWORK BALANCE SHALL BE MADE ONLY WITH APPROVAL OF THE ENGINEER OF RECORD AND THE CITY ENGINEER.
15. ANY DIRT OR DEBRIS TRACKED ONTO ANY CITY STREET FROM THIS PROJECT SHALL BE CLEANED OFF AT THE END OF EACH WORKING DAY TO THE SATISFACTION OF THE CITY.
16. DURING THE SITE CONSTRUCTION, ANY PUBLIC STREETS FRONTING THE PROJECT SHALL BE KEPT CLEAR OF ANY CONSTRUCTION OR LANDSCAPING DEBRIS AND SHALL NOT BE USED AS A STORAGE AREA FOR EQUIPMENT, MATERIALS OR OTHER ITEMS.
17. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE NEW MEXICO CODE OF REGULATIONS, CITY ORDINANCES, STATE REGULATIONS, NATIONALLY RECOGNIZED CODES AND STANDARDS, AND ADOPTED POLICIES OF THE CITY FIRE DEPARTMENT.
18. ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE APPENDIX CHARTER 33, U.B.C. 1997.
19. MAXIMUM CUT OR FILL SLOPES SHALL BE 2:1 OR AS SHOWN.
20. ALL GRADING SHALL BE DONE UNDER THE SUPERVISION OF SOIL ENGINEER. FILL LAYERS SHALL NOT EXCEED 8 INCHES IN THICKNESS, PER PAGE 16 OF THE SOIL REPORT.
21. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE LOCATION AND PROTECTION OF ALL UTILITIES.
22. ALL GRADING SHALL BE DONE IN CONFORMANCE WITH THE RECOMMENDATION OF THE GEOTECHNICAL INVESTIGATION REPORT BY TERRACON DATED JANUARY 23, 2001, PROJECT NO. 66005056.
23. CONTRACTOR TO PROVIDE LARS ANDERSEN & ASSOC. INC., THE CITY, AND K&MART WITH AS-BUILT PLANS. PLANS ARE TO BE SUBMITTED UPON COMPLETION OF PROJECT AND PRIOR TO ACCEPTANCE.
24. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE IMPROVEMENT PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF EXISTING UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES). HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
25. ALL UTILITY STRUCTURES INCLUDING, BUT NOT LIMITED TO MANHOLES, CATCH BASINS, WATER VALVES, FIRE HYDRANTS, TELEPHONE AND ELECTRIC VALVETS AND PULL BOXES THAT LIE WITHIN AREAS AFFECTED BY WORK ON THIS PROJECT SHALL BE ADJUSTED TO GRADE OR THE CONTRACTOR OR THE RESPECTIVE UTILITY COMPANY. THE CONTRACTOR IS RESPONSIBLE TO AFFECT COORDINATION.
26. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE O.S.H.A. REGULATIONS.
27. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND WITHOUT INTERMISSION AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
28. ALL GRADING AND EROSION CONTROL SHALL BE DONE IN CONFORMANCE WITH THE CITY'S GRADING AND EROSION CONTROL ORDINANCE AND STANDARDS, AND BEST MANAGEMENT PRACTICE.
29. ATTENTION IS DIRECTED FOR ALL PERSONNEL WORKING ON THIS PROJECT TO SECTION OF THE STATE STANDARD SPECIFICATIONS, LATEST EDITION AND THE FOLLOWING SPECIAL PROVISIONS REGARDING TRAFFIC MAINTENANCE AND CONTROL:
 - A. SIGNS, TRAFFIC CONES AND LIGHTED BARRICADES AT NIGHT SHALL BE PROVIDED BY THE CONTRACTOR TO ENCLOSE THE WORK SITE AT ALL TIMES.
 - B. FLAG MEN ARE REQUIRED WHEN TRAFFIC IS RESTRICTED TO THE USE OF ONE LANE, MINIMUM 12 FOOT WIDTH.
 - C. STREET CLOSING IS PROHIBITED UNLESS PERMISSION IS GRANTED BY THE DIRECTOR OF PUBLIC WORKS ONE WEEK IN ADVANCE OF THE CLOSURE. CONTRACTOR SHALL CONTACT ALL EMERGENCY SERVICES. DETOUR SIGN PLACEMENT SHALL BE AS APPROVED BY THE CITY.
 - D. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO MAINTAIN PEDESTRIAN FACILITIES DURING CONSTRUCTION.
 - E. ACCESS TO DRIVEWAYS AND BUSINESS ESTABLISHMENTS SHALL BE MAINTAINED AT ALL TIMES BY USE OF STEEL PLATES OR MEANS ACCEPTABLE TO THE CITY INSPECTOR.
30. DUST CONTROL SHALL CONFORM TO THE PROVISIONS IN SECTION OF THE STATE STANDARD SPECIFICATIONS, LATEST EDITION.
31. CONTRACTOR SHALL SEE TO IT THAT TRUCKS LEAVING THE SITE SHALL DO SO IN SUCH A MANNER THAT MUD AND EARTH WILL NOT BE DEPOSITED ON ADJACENT STREET PAVEMENTS, ANY MUD OR EARTH DEPOSITED ON STREET PAVEMENT SHALL BE IMMEDIATELY REMOVED BY THIS CONTRACTOR.
32. CONTRACTOR SHALL REPLACE AND/OR REPAIR ALL DAMAGES AFFECTED BY CONSTRUCTION ON EXISTING ADJACENT OFF-SITE IMPROVEMENTS TO THE SATISFACTION OF THE CITY OF ALBUQUERQUE CONSTRUCTION MANAGEMENT DIVISION.
33. IF CULTURAL RESOURCES ARE DISCOVERED DURING ROUND-DISTURBING ACTIVITIES, WORK SHALL BE HALTED AND THE PLANNING DIVISION SHALL BE NOTIFIED AT ONCE.

CONSTRUCTION OPERATIONS NOTES :

DUST SHALL BE CONTROLLED. WASTEWATER GENERATED DURING CONSTRUCTION SHALL NOT BE DISCHARGED TO THE STORM DRAIN SYSTEM. THIS INCLUDES WASTE FROM PAINTING, SAWCUTTING, AND ALL MATERIALS WHICH COULD BE ELIMINATE DISCHARGES TO THE STORM DRAIN SYSTEM. AND IF NECESSARY, PROVIDE AN AREA FOR ON-SITE WASHING ACTIVITIES DURING CONSTRUCTION. MATERIALS WHICH COULD CONTAMINATE STORM RUNOFF SHALL BE STORED IN AREAS WHICH ARE DESIGNED TO PREVENT EXPOSURE TO RAINFALL AND TO NOT ALLOW STORM WATER TO RUN INTO THE AREA.

PAVEMENT CLEANING :

FLUSHING OF STREETS/ PARKING LOTS TO REMOVE DIRT AND CONSTRUCTION DEBRIS IS PROHIBITED UNLESS PROPER SEDIMENT CONTROL ARE USED. PREFERABLY, AREAS REQUIRING CLEANING SHOULD BE SWEEPED.



CONTACT LIST

CITY OF ALBUQUERQUE, DRAINAGE
PUBLIC WORKS DEPARTMENT
400 MARQUETTE AVE.
ALBUQUERQUE, N.M. 87102
TEL. NO. : (505) 768-2538
ATTN.: GEORGE KING, DIRECTOR

**CITY OF ALBUQUERQUE, PLANNING
PLANNING DEPT.
600 2ND ST. NW
ALBUQUERQUE, N.M. 87102
TEL. NO. : (505) 924-3860
FAX NO.: (505) 924-3339
(bmc@cabq.gov)
ATTN: ROBERT McCABE, DIRECTOR**

CIVIL ENGINEER
LARS ANDERSEN AND ASSOCIATES, INC.
4630 W. JACQUELYN AVE., SUITE 119
FRESNO, CA 93722
TEL. NO. : (559) 276-2790
FAX NO. : (559) 276-0850
EMAIL: jtorio@larsandersen.com
ATTN: JOVI R. TORIO

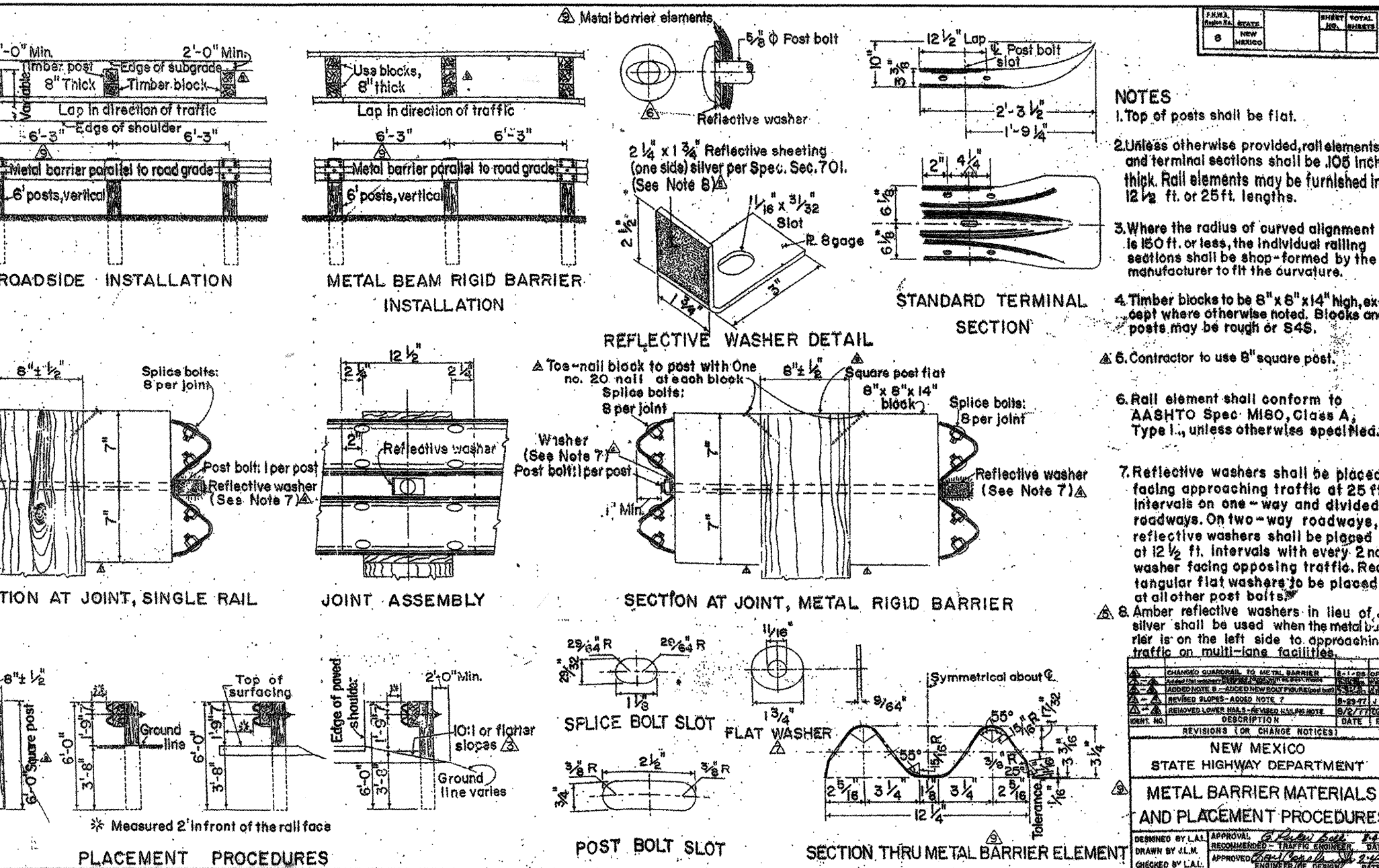
SOILS ENGINEER
TERRACON
4416 ANAHEIM NE
ALBUQUERQUE NM 87113
TEL. NO. : (505) 797-4287
FAX. NO. : (505) 497-4289
ATTN: KEVIN J. SCOTT, PE

CITY OF ALBUQUERQUE, UTILITIES
CITY/COUNTY BLDG.- 5TH FLOOR
ALBUQUERQUE, N.M. 87102
TEL. NO. : (505) 768-3627
(lblair@caba.gov)
ATTN.: LARRY BLAIR, DIRECTOR

ARCHITECT
HMR ARCHITECT
2130 - 21ST STREET
SACRAMENTO, CA 95818
TEL. NO.: (916) 736-2724
FAX NO.: (916) 736-0610
(ericm@hmrarchitects.com)
ATTN: ERIC MIKOVIC

OWNER/DEVELOPER:
KMARTR CORPORATION,
DESIGN AND CONSTRUCTION MANAGEMENT
280 NORTH, 200 WEST, SUITE 210
BOUNTIFUL, UT 84010
TEL. NO.: (801) 295-0062
FAX NO.: (801) 296-0170
EMAIL: cpitt@kmartr.com
ATTN: CARL PITT
DEVELOPMENT MANAGER

LANDSCAPE ARCHITECT
SITES SOUTHWEST
5150 A SAN FRANCISCO NE
ALBUQUERQUE, NM 87109
TEL. NO.: (505) 822-8200
FAX NO.: (505) 822-8282
ATTN.: TAG GAY,
LANDSCAPE PROJECT MANAGER



NOTICE TO CONTRACTORS

1. AN EXCAVATION/BARRICADE PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY, COUNTY, OR VILLAGE RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION OF THESE PERMITS.
2. ALL EXISTING UTILITIES SHALL BE MAINTAINED, UNLESS OTHERWISE STATED OR PROVIDED HEREON, WILL BE CONSTRUCTED IN ACCORDANCE WITH "CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, 1986," LATEST REVISION.
3. THE LOCATING DATA FOR ALL UTILITIES SHALL BE OBTAINED FROM THE CITY OF ALBUQUERQUE. THE CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1980, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE OF ANY CONFLICTS. THE CITY OF ALBUQUERQUE WILL NOTIFY THE CONSTRUCTION ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE WATER SHUTOFF WITH THE WATER DIVISION SEVEN WORKING DAYS PRIOR TO CONSTRUCTION.

APPROVALS FOR	NAME	DATE
DESIGN: UTILITY DEVELOPMENT		
CONSTRUCTION: CONSTRUCTION ENGINEER		
ACCEPTANCE: CONSTRUCTION INSPECTOR		

SPECIAL PROJECT TRAFFIC CONTROL NOTES:

1. WESTBOUND SINGLE RIGHT LANE CLOSURES ON INDIAN SCHOOL ROAD WILL BE ALLOWED FOR CURB AND GUTTER REMOVAL AND INSTALLATION, ON DAYS WHEN LANES ARE CLOSED, CONTRACTOR SHALL WORK MINIMUM HOURS FROM 7:00 A.M. TO 7:00 P.M.
2. CONTRACTOR SHALL REMOVE ALL BARRICADES AND OPEN LANES TO TRAFFIC ON BOTH INDIAN SCHOOL ROAD AND/OR CARLSLE BOULEVARD AS SOON AS POSSIBLE ONCE WORK SHIFT IS COMPLETED.
3. DOUBLE LANE CLOSURES FOR THE WATER SERVICE LINE TIE-IN WILL ONLY BE ALLOWED BETWEEN THE HOURS FROM 7:00 P.M. TO 5:00 A.M., MONDAY THROUGH THURSDAY NIGHTS. SINGLE LANE CLOSURES WILL BE ALLOWED THEREAFTER WHILE CONTRACTORS WORKS MINIMUM HOURS FROM 7:00 A.M. TO 7:00 P.M.



KMART
Development
Kmart Corporation
3100 West Big Beaver
Troy, MI 48064-3163

PREPARED BY:

LA **LARS ANDERSEN AND ASSOCIATES, INC.**
CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
4630 WEST JACQUELYN AVENUE SUITE 119 FRESONO, CA 93722
TEL: 559 276-2790 FAX: 559 276-0850 EMAIL: larsandersen.com

PRIVATE AGENCY/OWNER REVISION BLOCK:

No.	Date:	Description of Revision and/or Addenda	Reference Affected Sheet
	03/27/01	ISSUED FOR CITY REVIEW	ALL SHEETS
	05/16/01	ISSUED FOR BIDS	ALL SHEETS



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUPER K MART #4136 EXPANSION
PHASE I
NOTES, LEGEND, ABBREVIATIONS, AND DETAILS

Design Review Committee		City Engineer Approval		Design Update	Mo./Day/Yr.	Mo./Day/Yr.
OCT - 8 2001		OCT - 12 2001				

City Project No.	Zone Map No.	Sheet	Of
665981	H-17	3	1

AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORK STAGED BY	DATE
CONTRACTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE

BENCH MARKS
ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE
STATION No. "2-H16" HAVING AN ELEVATION OF 5147.495,
MSLD, 1929 (MEAN SEA LEVEL DATUM)

[illegible]

10/4/01

SCOTT ALAN MOMMER
NEW MEXICO
14873
REGISTERED PROFESSIONAL ENGINEER

ENGINE

PREPARED UNDER
DIRECTION OF:

[illegible]

EMARKS
SIONS
SIGN

[illegible][illegible]

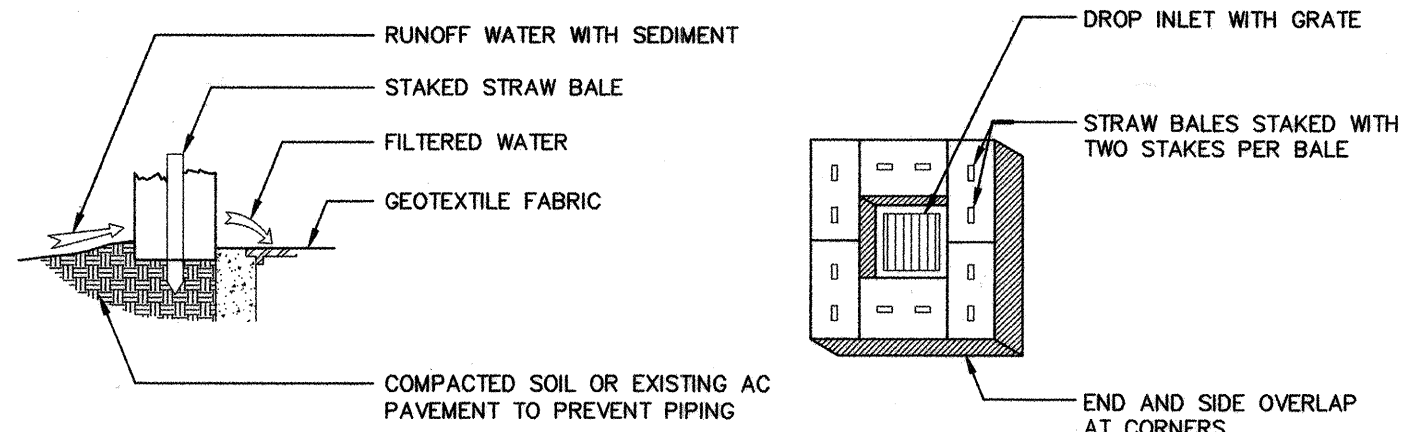
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EXPANSION
NS, AND DETAILS

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

Sheet **3** Of **1**

FOR INFORMATION ONLY



SPECIFICATION APPLICATION:
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 C.F.S.) ARE TYPICAL.

STRAW BALE / DROP INLET SEDIMENT FILTER DETAIL

STRAW BALE DROP INLET STRUCTURE:

- BALES SHALL BE EITHER WIRE-BOUND OR STRING-TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
- BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET. WITHIN THE ENDS OF ADJACENT BALES PRESSED TOGETHER. (SEE STRAW BALE DROP INLET SEDIMENT FILTER DETAIL).
- THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED AROUND THE INLET THE WIDTH OF A BALE TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
- EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. USE 1/2 INCH DIAMETER BY 3 FEET LONG IRON PIPE STAKES OR APPROVED EQUAL.
- LOOSE STRAW SHALL BE WEDGED BETWEEN BALES TO PREVENT WATER FROM ENTERING BETWEEN BALES.

MAINTENANCE

- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. AND LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- THE DESIRED RESULT OF THESE EROSION CONTROL MEASURES IS TO CONTROL SITE EROSION AND PREVENT SEDIMENT TRANSPORT OFF THE SITE. IT SHALL BE THE DEVELOPER'S RESPONSIBILITY TO SEE THAT ANY ADDITIONAL MEASURES NECESSARY TO MEET THIS GOAL ARE IMPLEMENTED. IF FIELD INSPECTIONS BY CITY STAFF SHOW THIS GOAL IS NOT BEING MET, ADDITIONAL MEASURES WILL BE REQUIRED AS DIRECTED BY THE CITY.

GENERAL NOTES:

- FOR SINGLE GRATE TYPE STORM INLET, BELIEVE CENTER SUPPORT AND MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
- STORM INLET GUTTER TRANSITION WILL BE SHOWN ON THE CONSTRUCTION PLANS.
- OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
- FOR FRAME & GRATING, SEE DWG 2206, 2209 & 2201.
- FOR CENTER SUPPORT ASSEMBLY, SEE DWG 2215.

CONSTRUCTION NOTES:

- FRAME & GRATE
- CENTER SUPPORT ASSEMBLY
- CUT ONE HORIZONTAL AND ONE VERTICAL BAR MAX. AT PIPE OPENING
- NO. 4 BARS A 6" O.C. EACH WAY.
- USE STANDARD STEPS, SEE DWG 2229.
- CONC. FILL, SEE NOTE C DWG 2201.
- INVERT PER DESIGN.
- INSTALL STEPS ON DOWNSTREAM FACE

CITY OF ALBUQUERQUE

DRAINAGE

STORM INLET DOUBLE "D"

DWG. 2206

AUG. 1986

DEMOLITION, CLEARING, AND GRUBBING NOTES:

- PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, ETC., NECESSARY AND INCIDENTAL TO, THE COMPLETION OF ALL DEMOLITION AND CLEARING WORK AS SPECIFIED HEREIN.
- ALL ON-SITE DEMOLITION, CLEARING, AND GRUBBING WORK INCLUDED SHALL CONSIST OF, BUT IS NOT LIMITED TO THE FOLLOWING:
 - REMOVAL OF EXISTING SIDEWALKS, DRIVES, CURBS, PAVEMENT, ETC.
 - DISCONNECTING AND/OR CAPPING OFF AND REMOVAL OF EXISTING UTILITIES IN THE IMMEDIATE VICINITY OF STRUCTURES TO BE DEMOLISHED.
 - CLEARING SITE OF TREES, BRUSH, DEBRIS, ETC.
 - STRIPPING AND STOCKPILING OF TOPSOIL.
 - REMOVAL FROM SITE AND DISPOSAL OF ALL EXCESS AND UNUSABLE MATERIAL.
 - DEMOLITION AND REMOVAL OF FOUNDATIONS, BLOCK WALLS, SLAB ON GRADE, ETC. ONLY INSIDE THE DEMOLITION AREA, UNLESS OTHERWISE NOTED TO REMAIN ON THE DRAWINGS.
 - DEMOLITION AND REMOVAL OF EXISTING BUILDINGS AND STRUCTURES, (INCLUDING FOUNDATION).
 - REMOVAL OF ANY CONTAMINATED MATERIALS IN COMPLIANCE WITH THE FEDERAL AND STATE REGULATIONS.
 - BACKFILL OF ALL OPEN EXCAVATION CREATED BY THE DEMOLITION OF STRUCTURES AND UTILITIES.
 - REMOVAL OF ALL MATERIALS, TRASH AND DEBRIS FROM THE SITE.
 - REMOVAL OF WATER MAIN AND SERVICES, AND APPURTENANCES AFTER NEW WATER MAINS AND SERVICES SYSTEM ARE INSTALLED AND OPERATIONAL.
 - REMOVAL OF IRRIGATION PIPES, VALVES, ETC.
 - REMOVAL AND/OR RELOCATION OF PARKING LIGHTS, ELECTRICAL BOXES, AND APPURTENANCES. (SEE SEPARATE SITE LIGHTING PLAN ON ARCHITECT DRAWINGS (ES-1) FOR DETAIL.)
 - REMOVAL OF T.B.A. BUILDING.
- THE CONTRACTOR SHALL BE REQUIRED TO VISIT SITE PRIOR TO PREBID MEETING TO FAMILIARIZE HIMSELF WITH DEMOLITION, GRADING, ETC. AND IMPROVEMENTS TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ANY AND ALL ITEMS NOT OTHERWISE LISTED HEREIN THAT CONFLICT WITH THE CONSTRUCTION OF THE PROJECT. CONTRACTOR SHALL CONTACT ENGINEER IMMEDIATELY TO DETERMINE ANY ITEMS NOT SHOWN ON THE PLANS THAT MUST BE REMOVED. FAILURE TO DO SO DOES NOT RELIEVE CONTRACTOR OF RESPONSIBILITY AND COST FOR REMOVING ITEMS REQUIRED.
- CONTRACTOR IS RESPONSIBLE FOR REVIEWING (IF APPLICABLE) ALL KNOWN ENVIRONMENTAL INVESTIGATION STUDIES AND REPORTS PRIOR TO BIDDING. REPORTS ARE INCLUDED IN PROJECT SPECIFICATIONS. CONTRACTOR TO COORDINATE WITH ENVIRONMENTAL ENGINEER ON EXACT AREAS OF CONTAMINATION IF ANY.
- CONTRACTOR TO DISPOSE OF ALL DEBRIS AND EXCESS MATERIAL ACCORDING TO LOCAL REQUIREMENTS.
- LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR IS TO VERIFY CONNECTION POINTS WITH EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN.
- CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL PLANTS, TREES, AND VEGETATION EXCEPT AS NOTED.
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR IS TO NOTIFY UTILITY COMPANIES TO FIELD LOCATE EXISTING UTILITIES IN THE AREA.
- DEMOLITION CONTRACTOR SHALL SUBMIT TRUCK ROUTE, SCHEDULE OF DEMOLITION, TRAFFIC CONTROL PLAN, METHOD OF DEMOLITION, AND DUST AND NOISE CONTROL MEASURES, AS REQUIRED, TO OBTAIN EXCAVATION PERMIT.
- ALL DEMOLISHED ASPHALTIC CONCRETE AND PORTLAND CEMENT CONCRETE IS EXPECTED TO BE REMOVED FROM SITE.
- CONTRACTOR TO INSTALL SECURITY FENCE SURROUNDING DEMOLITION AREA DURING DEMOLITION WORK.
- THE CONTRACTOR SHALL TAKE EFFECTIVE ACTION TO PREVENT THE FORMATION OF ANY AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM FAILURE TO FOLLOW CITY GUIDELINES.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES UPON THE REMOVAL OF UTILITIES IN ADVANCE OF DEMOLITION CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.
- ALL EXISTING REMAINING UTILITIES AND REMAINING IMPROVEMENTS IN PUBLIC RIGHT OF WAY THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE LOCAL AGENCY ENGINEER, AT THE CONTRACTOR'S SOLE EXPENSE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DOCUMENT PRIOR DAMAGES.
- CONTRACTOR SHALL OBTAIN AN AIR POLLUTION CONTROL PERMIT PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED SURFACES TO REMAIN TO MEET AND MATCH EXISTING ADJACENT SURFACES.
- CONTRACTOR TO PROVIDE TEMPORARY SERVICE TO ALL EXISTING FACILITIES IN THE CENTER AS NECESSARY IF AFFECTED BY CONSTRUCTION. (I.E. PARKING LIGHT, LANDSCAPE, ELECTRIC, GAS, PHONE, ETC.)
- CONTRACTOR TO PROVIDE NOTICE TO ALL TENANTS 48 HOURS PRIOR TO START OF WORK IN THIS AREA.
- CONTRACTOR TO PROVIDE THE GREATEST AMOUNT OF CARE FOR ACCESS FOR ALL THE TENANTS.
- CONTRACTOR SHALL CONTACT TERRACON 5 WORKING DAYS BEFORE DEMOLITION OF THE T.B.A. TERRACON SHALL BE PRESENT AT ALL TIMES DURING DEMOLITION OF THE T.B.A. BUILDING.

LEGEND :

57.20TC
57.70TC
55
54
PAD = 5155.83
FF = 5156.06
56.30TC
55.80G
54.11P
57.30C
56.20D
65.00TW
56.20TF
56.61GR
54.60B
52.30EP
(55.11)

2%
PROPOSED CONCRETE CURB AND GUTTER.
PROPOSED CONCRETE CURB ONLY.
EXISTING CONCRETE CURB AND GUTTER.
EXISTING A.C. BERM.
PROPOSED A.C. BERM.

PROPOSED CONCRETE RETAINING WALL BY BUILDING PLANS.
PROPOSED GROUND SLOPE.
PROPOSED LIMIT OF BUILDING PAD
GRADING CONSTRUCTION SYMBOL, SEE SHEET NO. C-6 FOR DETAIL.
GRADE BREAK.

EXISTING WATER MAIN PIPE AND VALVE.

PROPOSED FIRE DEPARTMENT CONNECTION

PROPOSED FIRE SERVICE WITH VALVE, SINGLE DETECTOR VALVE AND POST INDICATOR VALVE.

PROPOSED NEW FIRE HYDRANT ASSEMBLY LOCATION

WATER MAIN CONSTRUCTION SYMBOL, SEE SHEET C-7 FOR DETAIL.

EXISTING SANITARY SEWER MAIN PIPE AND MANHOLE.

EXISTING STORM DRAIN PIPE AND MANHOLE.

EXISTING FIRE HYDRANT ASSEMBLY

EXISTING PARKING/STREET LIGHT

FINISH SURFACE ELEVATION + 5100'
PROPOSED ELEVATION + 5100'
PROPOSED CONTOUR ELEVATION LINE + 5100'
EXISTING CONTOUR ELEVATION LINE + 5100'
PROPOSED PAD ELEVATION
PROPOSED FINISH FLOOR ELEVATION
TOP OF CURB ELEVATION + 5100'
GUTTER ELEVATION + 5100'
PAVEMENT ELEVATION + 5100'
CONCRETE ELEVATION + 5100'
DIRT ELEVATION + 5100'
TOP OF WALL ELEVATION + 5100'
TOP OF FOOTING WALL ELEVATION + 5100'
GRATE ELEVATION + 5100'
BERM ELEVATION + 5100'
EDGE OF PAVEMENT ELEVATION + 5100'
EXISTING ELEVATION + 5100'
AC SAWCUT / LIMIT LINE
DIRECTION OF FLOW.
PROPOSED CONCRETE CURB AND GUTTER.
PROPOSED CONCRETE CURB ONLY.
EXISTING CONCRETE CURB AND GUTTER.
EXISTING A.C. BERM.
PROPOSED A.C. BERM.
PROPOSED CONCRETE RETAINING WALL BY BUILDING PLANS.
PROPOSED GROUND SLOPE.
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GRADING CONSTRUCTION SYMBOL, SEE SHEET NO. C-6 FOR DETAIL.
GRADE BREAK.
EXISTING WATER MAIN PIPE AND VALVE.
PROPOSED FIRE DEPARTMENT CONNECTION
PROPOSED FIRE SERVICE WITH VALVE, SINGLE DETECTOR VALVE AND POST INDICATOR VALVE.
PROPOSED NEW FIRE HYDRANT ASSEMBLY LOCATION
WATER MAIN CONSTRUCTION SYMBOL, SEE SHEET C-7 FOR DETAIL.
EXISTING SANITARY SEWER MAIN PIPE AND MANHOLE.
EXISTING STORM DRAIN PIPE AND MANHOLE.
EXISTING FIRE HYDRANT ASSEMBLY
EXISTING PARKING/STREET LIGHT

ABBREVIATIONS

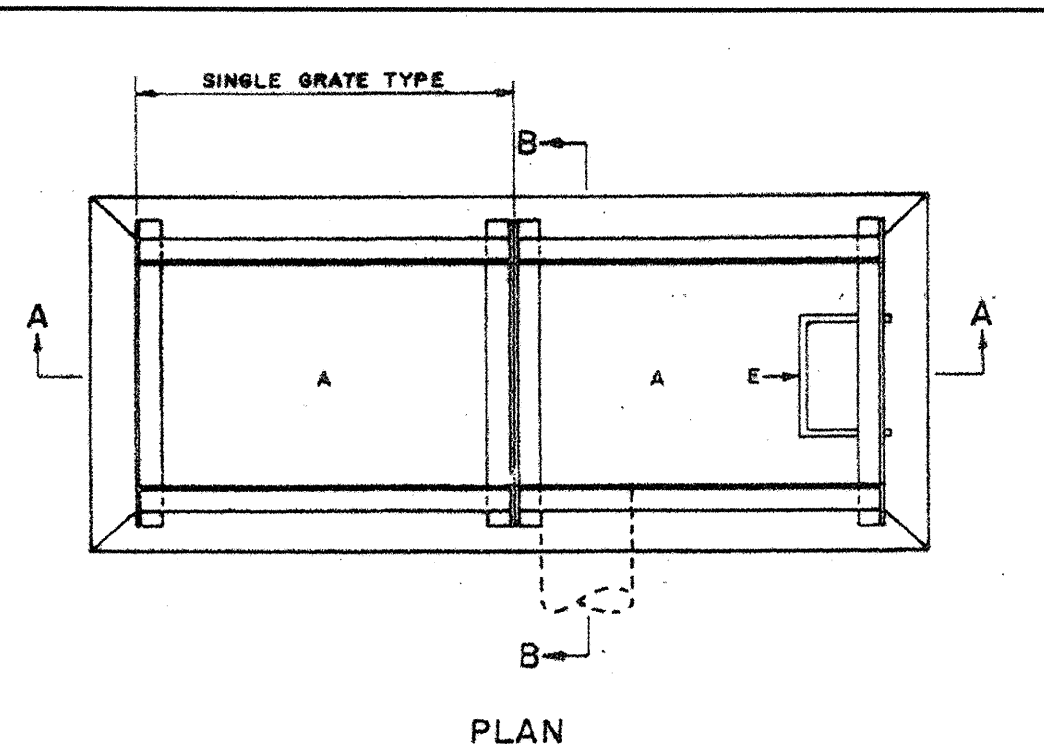
AB	AGGREGATE BASE	LF	LINEAR FEET
AC	ASPHALT CONCRETE	MW	MONITORING WELL
AD	AREA DRAIN	ODPC	OUTSIDE DIAMETER PIPE CLEARANCE
ASB	AGGREGATE SUBBASE	OHE	OVERHEAD ELECTRIC
BFP	BACKFLOW PREVENTER	OHT	OVERHEAD TELEPHONE
CA	CABLE	PAE	PUBLIC ACCESS EASEMENT
CATV	CABLE TV BOX	PB	PULL BOX
CB	CATCH BASIN	PED	PEDESTRIAN CROSS-WALK BUTTON
NMDO	NM DEPT. OF TRANSPORTATION	PIV	POST INDICATOR VALVE
CL	CENTERLINE	PUE	PUBLIC UTILITY EASEMENT
DCV	DIRECT CHECK VALVE	PVC	POLYVINYL CHLORIDE PIPE
DWY	DRIVEWAY	R	RIDGE LINE
E	ELECTRICAL LINE	RSR	RISER
EB	ELECTRIC BOX	SD	STORM DRAIN PIPE
EP	EDGE OF PAVEMENT	SL	STREET LIGHT
EX	EXISTING	SS	SANITARY SEWER PIPE
EV	ELECTRIC VAULT	SSCO	SANITARY SEWER CLEANOUT
FDC	FIRE DEPARTMENT CONNECTION	SSMH	SANITARY SEWER MANHOLE
FF	FINISHED FLOOR	SW	SIDEWALK
FL	FLOWLINE	T	TELEPHONE LINE
FS	FINISHED SURFACE	TC	TOP OF CURB
G	GAS PIPE	TELEVLT	TELEPHONE VAULT
GB	GRADE BREAK	TP	TRAFFIC SIGNAL
GM	GAS METER	TS	TRAFFIC SIGNAL
GP	GUARD POST	TSB	TRAFFIC SIGNAL BOX
GR	GRATE	VG	VALLEY GUTTER
HCR	HANDICAP RAMP	W	WATER PIPE
INV	INVERT	WM	WATER METER
JP	JOINT POLE	WV	WATER VALVE
JT	JOINT TRENCH	WVL	WATER VAULT
(E)	INDICATES EXISTING	YL	YARD LIGHT

PHASE I ORDER OF WORK:

- THE FIRST ORDER OF WORK SHALL BE THE DETOUR SIGNAGE WORK AND CONTACT THE STORE MANAGERS FOR Kmart, BURGER KING AND AUTO STORE PRIOR TO STARTING WITHIN 48 HOURS, PATROLLING AND CHECKING ALL UTILITY CONFLICT BY CALLING THE UNDERGROUND SERVICE ALERT.
- THE SECOND ORDER OF WORK SHALL BE CONSTRUCTION OF TEMPORARY DRIVEWAY ALONG INDIAN SCHOOL ROAD TO LOCATION SHOWN ON GRADING PLAN, ROUGH GRADING AND INSTALLATION OF TEMPORARY ACCESS PAVING AS DELINEATED ON GRADING PLAN.
- THE THIRD ORDER OF WORK SHALL BE THE INSTALLATION OF FIRE LOOP SYSTEM TO PROVIDE A TEMPORARY WATER AND FIRE SERVICES TO THE Kmart BUILDING PRIOR TO REMOVAL OF EXISTING WATER AND FIRE SERVICES.
- THE FOURTH ORDER OF WORK SHALL BE THE INSTALLATION OF GAS SERVICE LINE SYSTEM AND TO PROVIDE A TEMPORARY GAS SERVICE TO Kmart BUILDING.
- THE FIFTH ORDER OF WORK SHALL BE THE DEMOLITION AND ROUGH GRADING WITHIN THE DEMOLITION AREA WITHOUT INTERRUPTION OF FIRE, GAS AND WATER SERVICES TO Kmart BUILDING AND OTHER PREMISES.
- THE SIXTH ORDER OF WORK SHALL BE THE INSTALLATION OF THE STORM DRAIN SYSTEM.
- THE SEVENTH ORDER OF WORK SHALL BE THE COMPLETION OF WATER MAIN LOOP SYSTEM.
- THE EIGHTH ORDER OF WORK SHALL BE THE NECESSARY RELOCATION OF THE ELECTRIC SERVICE LINE, AND PHONE SERVICE LINE.
- THE NINTH ORDER OF WORK SHALL BE THE CONSTRUCTION OF OF RETAINING WALL.

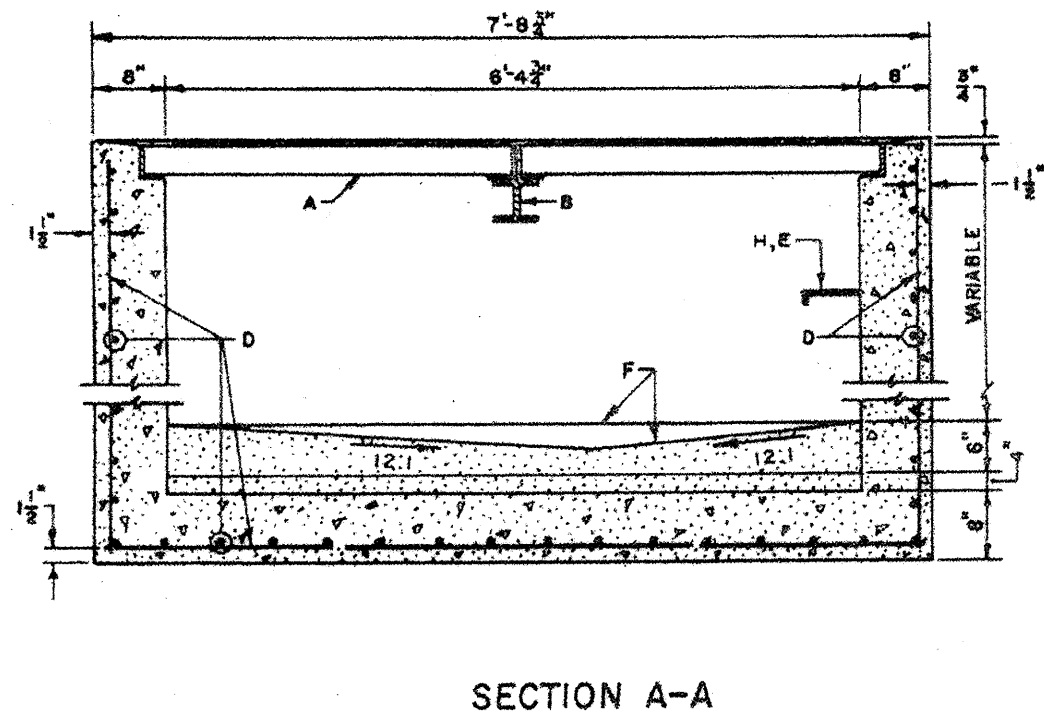
NOTE:

THE WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE STAGES OF CONSTRUCTION, NON CONFLICTING WORK IN SUBSEQUENT STAGES MAY PROCEED CONCURRENTLY WITH WORK IN PRECEDING STAGES, PROVIDED THAT SATISFACTORY PROGRESS IS MAINTAINED IN SAID PRECEDING STAGES OF CONSTRUCTION.

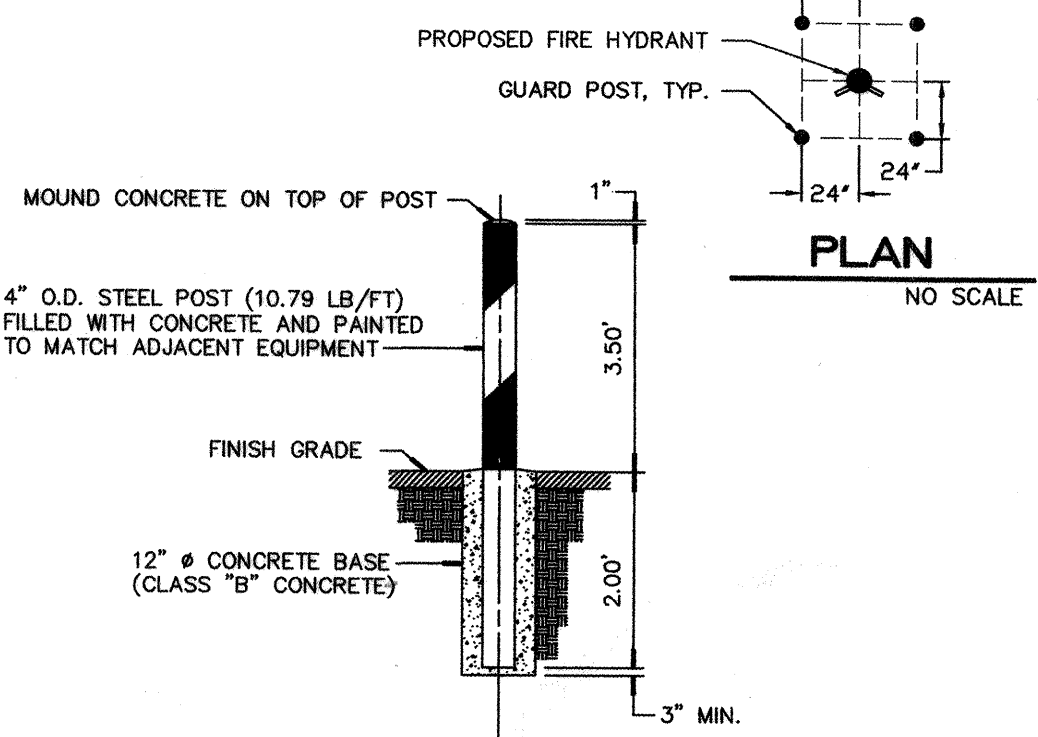


PLAN

SECTION B-B



SECTION A-A



GUARD POST DETAIL

REFERENCED SHEET: NO. 8

FOR INFORMATION ONLY

AS-BUILT NOTE

CONTRACTOR TO PROVIDE LARS ANDERSEN & ASSOC. INC., THE CITY, AND Kmart WITH AS-BUILT PLANS. PLANS ARE TO BE SUBMITTED UPON COMPLETION OF PROJECT AND PRIOR TO ACCEPTANCE.

Kmart
Development
Kmart Corporation
3100 West Bldg Beaver Road
Troy, MI 48064-3163

PREPARED BY:
LARS ANDERSEN AND ASSOCIATES, INC.
CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
4630 WEST JACQUELYN AVENUE SUITE 100 FRESNO, CA 93722
TEL: 559 276-2760 FAX: 559 276-0850 EMAIL: lars@larsandersen.com

PRIVATE AGENCY/OWNER REVISION BLOCK:

No.	Date:	Description of Revision and/or Addenda	Reference Affected Sheet
	03/27/01	ISSUED FOR CITY REVIEW	ALL 12 SHEETS
	05/18/01	ISSUED FOR BIDS	ALL 12 SHEETS
	07/05/01	BID ADDENDUM NO.1	ALL 16 SHEETS
	08/30/01	BID BULLETIN NO.1	SHEET NOS. 4,7,8,9,10 & 11

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUPER Kmart #4136 EXPANSION

PHASE I
NOTES, LEGEND, ABBREVIATIONS, AND DETAILS

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

City Project No. 665981

Zone Map No. H-17

Sheet 4 of 16

LA PROJECT NUMBER: 99-113

03-20-01
05-08-01
05-18-01
05-30-01
06-15-01

LARS ANDERSEN REVISIONS ONLY

PARCEL A-1
 NETHERWOOD PARK-SECOND FILING
 FILED: 9/28/83, VOL. 22, FOLIO 54
 BERNALILLO COUNTY OFFICIAL RECORDS

NOTE:
 GAS, SANITARY SEWER, ELECTRIC AND TELEPHONE SERVICES TO THE EXISTING BUILDINGS
 MAY EXIST AND CROSS THE DEMOLITION AREA. CONTRACTOR SHALL TAKE EXTRA
 PRECAUTION AND POthOLE THE AREA AS NECESSARY. RELOCATE AS NECESSARY
 ANY SERVICES THAT EXIST AND CROSS THE DEMOLITION AREA PER UTILITY
 COMPANY'S AND OWNER REPRESENTATIVE'S PREFERRED LOCATION, UNLESS NOTED ON PLAN.

DEMOLITION LEGEND

1. SAWCUT EXISTING AC PAVEMENT TO STABLE EDGE AND REMOVE ALL AC PAVEMENT INCLUDING SUB-BASE INSIDE THE DEMOLITION AREA.
2. INSTALL ROAD METAL BARRICADE PER CITY STANDARD DRAWING 2610. (SEE STANDARD DRAWING ON SHEET NO. 3 FOR DETAIL.)
3. REMOVE CONCRETE CURB INSIDE THE DEMOLITION AREA ONLY, TYPICAL.
4. REMOVE EXISTING PARKING LIGHT AND APPURTENANCES.
5. REMOVE ALL EXISTING AC PAVEMENT INCLUDING SUB-BASE INSIDE THE DEMOLITION AREA.
6. EXISTING POWER POLE AND APPURTENANCES TO REMAIN. CONTRACTOR TO PROVIDE NECESSARY SHORING TO PROTECT FROM DAMAGE AT ALL TIMES DURING CONSTRUCTION.
7. REMOVE EXISTING FIRE DEPARTMENT CONNECTION AND ITS UNDERGROUND PIPING AFTER THE NEW FIRE DEPARTMENT CONNECTION IS INSTALLED AND OPERATIONAL.
8. CUT AND PLUG EXISTING WATER SERVICE AND REMOVE PIPING AND APPURTENANCES UP TO LIMIT OF DEMOLITION AREA. (SEE NOTE #4 ON THIS SHEET)
9. EXISTING WATER METER AND BOX TO REMAIN AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. (TO BE UTILIZED AS LANDSCAPE IRRIGATION SERVICE)
10. REMOVE LANDSCAPE IRRIGATION VALVE, PIPING AND APPURTENANCES WITHIN THE DEMOLITION AREA. INSTALL CAP AT IRRIGATION PIPE END AND REMOVE PIPING AS NECESSARY TO MAINTAIN SERVICE IF IRRIGATION PIPE IS SERVING OTHER EXISTING ADJACENT LANDSCAPE AREAS.
11. CUT AND PLUG EXISTING WATER MAIN AND REMOVE PIPING AND APPURTENANCES UP TO THE LIMIT OF DEMOLITION AREA. INSTALL PERMANENT WATER MAIN CAP AT BOTH ENDS OF THE WATER PIPES.
12. REMOVE EXISTING GAS METER AND GAS PIPE LINE UP TO EXISTING RIGHT-OF-WAY LINE AND CAP AT PIPE END PER PNM GAS AND ELECTRIC STANDARDS AND REQUIREMENTS.
13. REMOVE EXISTING GAS METER AND GAS SERVICE PIPE LINE AND CAP AT PIPE END TO EXISTING RIGHT-OF-WAY LINE PER PNM GAS AND ELECTRIC STANDARDS AND REQUIREMENTS. (SEE NOTE #4 ON THIS SHEET)
14. EXISTING TBA BUILDING TO BE REMOVED. SITE DEMOLITION CLEARING AND GRUBBING NOTES ON SHEET NO. 4.
15. CUT AND PLUG EXISTING WATER SERVICE PIPE UP TO THE WATER METER BOX. REMOVE ALL WATER SERVICE PIPE AND APPURTENANCES GOING THROUGH THE EXISTING BUILDING(AUTO STORE).
16. REMOVE ALL UNDERGROUND UTILITY SERVICE TO EXISTING AUTO STORE BUILDING TO BE REMOVED. ALL PER LOCAL UTILITY STANDARDS AND REQUIREMENTS.

NOTES:

1. SEE GENERAL CONSTRUCTION NOTES ON SHEET NO. 3 FOR DETAILS.
2. SEE NOTES, LEGEND, AND ABBREVIATION ON SHEET NO. 4 FOR DETAIL.
3. SEE DEMOLITION, CLEARING AND GRUBBING NOTES ON SHEET NO. 4 FOR DETAIL.
4. CONTRACTOR TO INSTALL ALL NECESSARY PIPING AND APPURTENANCES AS DEFECTED ON SHEET NO. 8 TO SUPPLY A TEMPORARY AND OPERATIONAL WATER, GAS, ELECTRIC, TELEPHONE, FIRE AND SANITARY SEWER FOR THE KMART STORE DURING ALL COURSE OF CONSTRUCTION. SEE UTILITY PLAN ON SHEET NO. 8 FOR TEMPORARY GAS, WATER AND FIRE SERVICE INSTALLATION.

LEGEND:

- SITE DEMOLITION AREA, SEE DEMOLITION CLEARING AND GRUBBING NOTES ON SHEET NO. 4.
- CROSS-HATCHED AREA INDICATES AREA OF EXISTING AC PAVEMENT TO BE REMOVED BACKFILLED AND SURFACE REPLACEMENT AFTER INSTALLATION OF WATER MAIN, GAS, AND SANITARY SEWER SERVICES. (SEE UTILITY PLAN ON SHEET NO. 8 FOR DETAIL.)

CALL BEFORE YOU DIG
 48 HOURS
 CALL "USA" TOLL FREE
 1-800-321-2537



UNDERGROUND SERVICE ALERT

Kmart
 Development
 Kmart Corporation
 3100 West Big Beaver Road
 Troy, MI 48064-3163

PREPARED BY:

LARS ANDERSEN AND ASSOCIATES, INC.
 CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
 4650 WEST JACQUELIN AVENUE SUITE 100 PLEASANTON, CA 94566
 TEL: 925-276-2790 FAX: 925-276-0850 EMAIL: lars@larsandersen.com

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CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP

SUPER KMART #4136 EXPANSION
 PHASE I
 DEMOLITION PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
OCT - 8 2001	[Signature]		

City Project No. 665981 Zone Map No. H-17

AS-BUILT INFORMATION	
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BENCH MARKS	
ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE	
STATION NO. "Z-H16" HAVING AN ELEVATION OF 5147.495.	
MSLD, 1929 (MEAN SEA LEVEL DATUM)	

SURVEY INFORMATION	
FIELD NOTES	DATE

ENGINEER'S SEAL	

REVISIONS	
No.	Date

DESIGN	

Sheet 6 Of 16

LA PROJECT NUMBER: 99-113

FOR INFORMATION ONLY



SCALE: 1" = 40'

INTERSTATE HIGHWAY 40

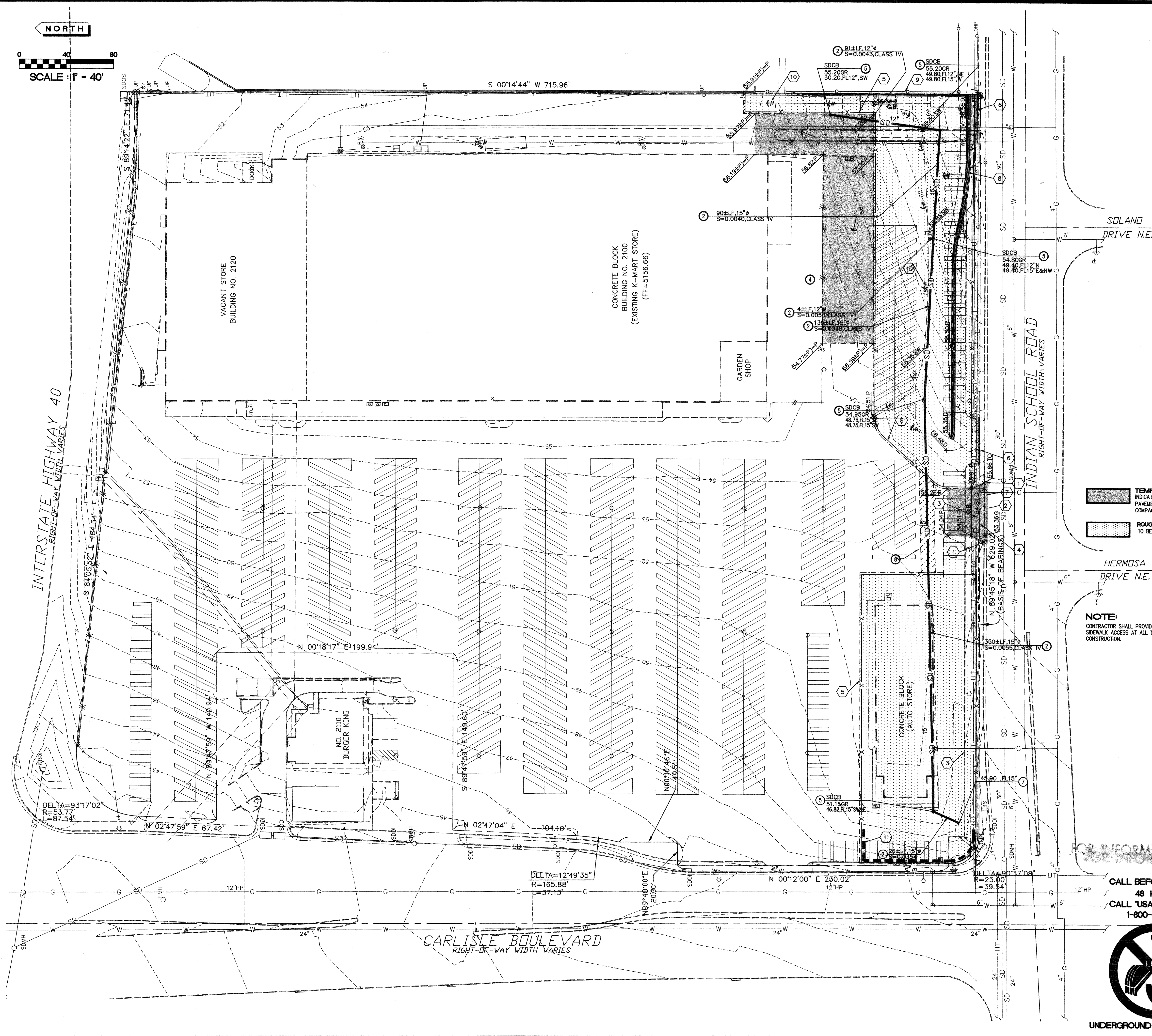
INDIAN SCHOOL ROAD N.E.

SOLANO DRIVE, N.E.

HERMOSA DRIVE, N.E.

CARLISLE BOULEVARD N.E.

INTERSTATE HIGHWAY 40
--- RIGHT-OF-WAY WIDTH VARIES ---



CUT: 3789 CY. FILL: 28 CY.

THESE QUANTITIES DO NOT INCLUDE ANY SHRINKAGE, SUBSIDENCE, OVER-EXCAVATION, OR ANY SPECIAL CONDITIONS OR REQUIREMENTS THAT MAY BE SPECIFIED IN THE GEOTECHNICAL INVESTIGATION REPORT. THESE QUANTITIES ARE FOR PERMIT PURPOSES ONLY. ALL CONTRACTOR BIDDING ON THIS PROJECT SHOULD MAKE THEIR OWN DETERMINATION OF EARTHWORK QUANTITIES PRIOR TO SUBMITTING A BID.

CONSTRUCTION SYMBOLS:

- 1 SAWCUT AND MATCH EXISTING CURB GRADES AND ALIGNMENT.
- 2 SAWCUT AC PAVEMENT AND MATCH FATHER AC AS NECESSARY FOR SMOOTH TRANSITION.
- 3 REMOVE EXISTING CONCRETE CURB & GUTTER, AND SIDEWALK.
- 4 CONSTRUCT 40" WIDE AC DRIVEWAY WITH 4" AC (TYPE"FG") OVER 8" SCARIFIED AND COMPACTED SUBGRADE @ 95% RELATIVE COMPACTION PER CITY STANDARD DOW. 2415 ON SHEET NO. 3.
- 5 INSTALL 6" HIGH SECURITY FENCE AND GATE. SIZE AND LOCATION TO BE DETERMINED BY THE ARCHITECT.
- 6 INSTALL ROAD RAIL MOUNT BARRICADE PER CITY STD. DOW. 2610. (SEE STD. DRAWING ON SHEET NO. 3 FOR DETAILS.)
- 7 INSTALL 8" AC THICK FILT BETWEEN THE GAP ON NEW GUTTER LIP AND EXISTING CURB LINE.
- 8 CONSTRUCT CONCRETE RETAINING WALL PER PLAN DETAIL ON SHEET NO. 10.
- 9 EXISTING WROUGHT IRON FENCE TO REMAIN. CONTRACTOR TO OBTAIN PERMISSION FROM ADJACENT PROPERTY OWNER TO TEMPORARY REMOVE AND REINSTALL THE EXISTING FENCE.
- 10 GRADE TO DRAIN @ S=0.005 MIN.
- 11 INSTALL STRAW BALE FILTER PER DETAIL ON SHEET NO. 4. STRAW BALE FILTER SHALL BE INSTALLED AND MAINTAINED UNTIL PERMANENT FILTERS ARE IN PLACE.

STORM DRAIN CONSTRUCTION SYMBOL

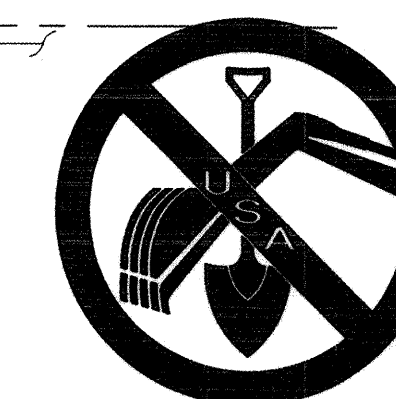
- ① NOT USED.
- ② INSTALL REINFORCED CONCRETE PIPE (RCP) STORM DRAIN. SIZE, LENGTH, SLOPE AND CLASS OF PIPE AS NOTED ON PLAN.
- ③ CONSTRUCT STORM DRAIN MANHOLE PER CITY STANDARD DRAWING NO. 2102_. (SEE SHEET NO. 14 FOR CITY STD. DWG. FOR DETAIL.)
- ④ PLACE TEMPORARY STORM DRAIN CAP OR CONNECT TO BUILDING'S STORM DRAIN STUB. CONTRACTOR TO COORDINATE THE CONNECTION LOCATION AND ELEVATION TO BUILDING CONTRACTOR.
- ⑤ CONSTRUCT SINGLE GRATE TYPE STORM INLET PER CITY OF ALBUQUERQUE STANDARD DRAWING NO. 2206. (SEE SHEET NO. 4 FOR CITY STD. DWG. FOR DETAIL.)
- ⑥ NOT USED.
- ⑦ PLACE CITY APPROVED TEMPORARY STORM DRAIN CAP AT PIPE END.
- ⑧ INSTALL TRENCH BACKFILL AND SURFACE REPLACEMENT ON CROSS-HATCHED AREA SHOWN ON PLAN FOR STORM DRAIN INSTALLATION PER CITY STANDARD DRAWING NO. 2465. TRENCH WIDTH TO BE FIELD DETERMINED BY PROJECT REPRESENTATIVE. (SEE SHEET NO. 14 FOR CITY STD. DWG. FOR DETAIL.)

TEMPORARY PAVING:
INDICATES AREA TO BE INSTALLED WITH TEMPORARY ASPHALT
PAVEMENT WITH 4" AC OVER 8" SCARIFIED AND
COMPACTED SUBGRADE @ 95% RELATIVE COMPACTION.

ROUGH GRADED AREA:
TO BE ROUGH GRADED ONLY

NOTE:
CONTRACTOR SHALL PROVIDE TEMPORARY
SIDEWALK ACCESS AT ALL TIMES DURING THE
CONSTRUCTION.

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KMART
Development

Kmart Corporation
3100 West Big Beaver
Troy, MI 48084-3163

PREPARED BY:

LARS ANDERSEN AND ASSOCIATES, INC.
 CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
 4630 WEST JACQUELYN AVENUE SUITE 119 FRESNO, CA 93722
 TEL.: 559 276-2790 FAX: 559 276-0850 EMAIL: la@larsandersen.com

PRIVATE AGENCY/OWNER REVISION BLOCK:[illegible]

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

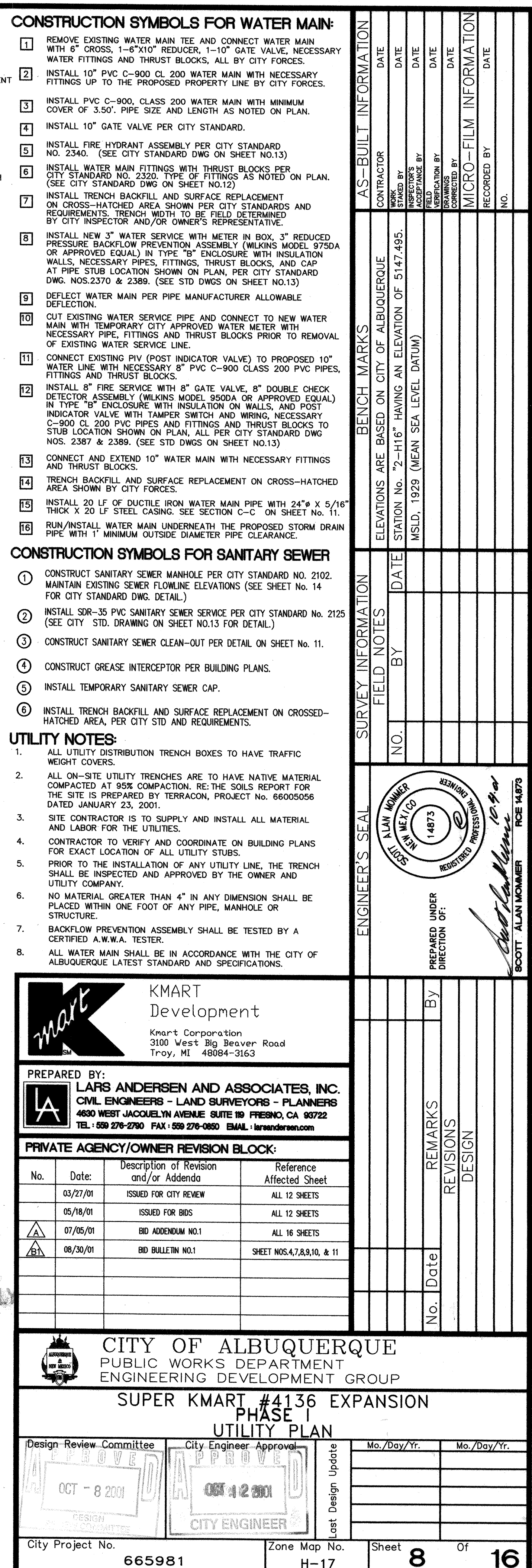
SUPER K MART #4136 EXPANSION
PHASE I
GRADING PLAN

City Project No. 665981

Zone Map No.	H-17
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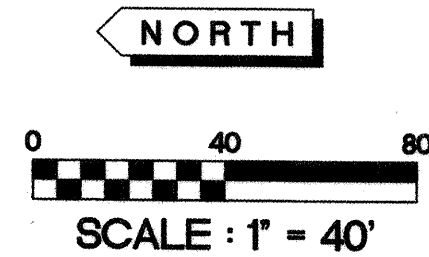
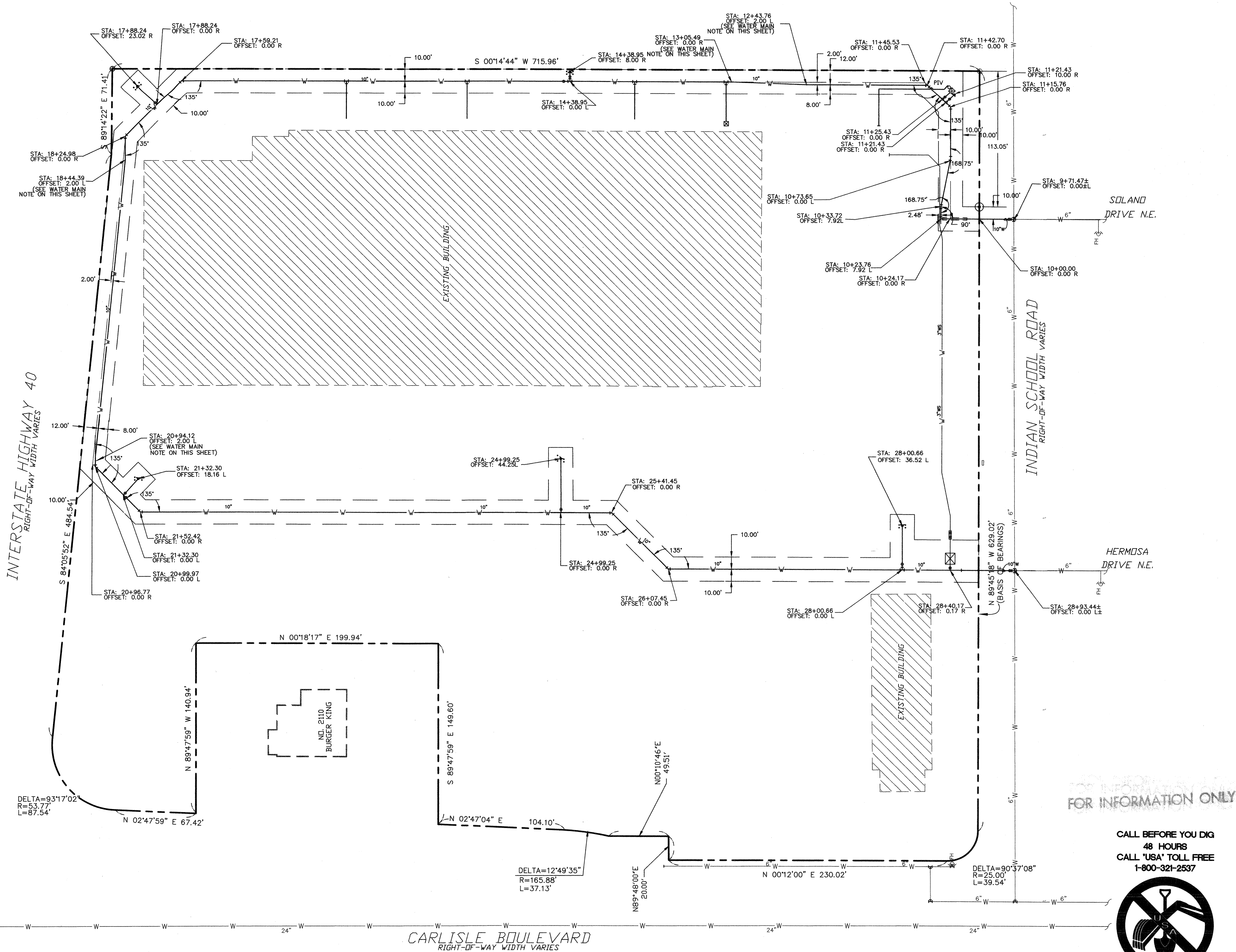
Sheet **7** Of **16**

LA PROJECT NUMBER: 99-113



LARS ANDERSEN ASSOCIATES, INC.
03-20-01
05-08-01
05-18-01
05-30-01
06-15-01
07-05-01
08-30-01
09-12-01
09-27-01

P:\PROJ\99-113\dwg\Plan\On-Site\PHASE 1 PLANS\09aWATR.dwg 10-01-01 01:21:07 PM JTorio



LINE TABLE		
LINE	LENGTH	BEARING
L1	13.76	N00°14'44"E
L2	113.06	S89°45'18"E
L3	648.89	N00°14'44"E
L4	23.20	N45°00'25"W
L5	22.18	N44°59'35"E
L6	20.00	N45°00'25"W
L7	22.18	S44°59'35"W
L8	30.37	N45°00'25"W
L9	280.02	N84°05'52"W
L10	64.51	S45°00'25"W
L11	389.03	S00°14'44"W
L12	66.01	S45°00'25"W
L13	260.34	S00°14'44"W
L14	35.00	S89°45'18"E
L15	53.01	N00°14'44"E
L16	20.84	S89°45'18"E
L17	20.00	N00°14'44"E
L18	35.84	N89°45'18"W
L19	179.10	N00°14'44"E
L20	66.01	N45°00'25"E
L21	35.93	N00°14'44"E
L22	43.48	N89°45'18"E
L23	20.00	N00°14'44"E
L24	43.48	N89°45'18"W
L25	333.10	N00°14'44"E
L26	6.00	N45°00'25"E
L27	17.69	S44°59'35"E
L28	20.00	N45°00'25"E
L29	17.69	N44°59'35"W
L30	20.75	N45°00'25"E
L31	263.41	S84°05'52"E
L32	58.13	S45°00'25"E
L33	605.38	S00°14'44"W
L34	21.43	S45°17'00"W
L35	97.89	N89°45'18"W
L36	33.78	S00°14'44"W
L37	20.00	S89°45'18"E



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TEL: 559 276-2780 FAX: 559 276-0880 EMAIL: lars@andersen.com

PRIVATE AGENCY/OWNER REVISION BLOCK:		
No.	Date	Description of Revision and/or Addenda
	03/27/01	ISSUED FOR CITY REVIEW
	05/16/01	ISSUED FOR BIDS
	07/05/01	BID ADDENDUM NO.1

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUPER K MART #4136 EXPANSION
PHASE I
WATER MAIN AND EASEMENT OVERLAY

Design Review Committee	City Engineer Approval
OCT - 8 2001	OCT 12 2001

City Project No. 665981 Zone Map No. H-17

AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORKING BY	DATE
ACCEPTANCE BY	DATE
REVISION BY	DATE
RECORDED BY	DATE

BENCH MARKS	
ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE	
STATION NO. "2"-H16" HAVING AN ELEVATION OF 5147.495	
MSLD, 1929 (MEAN SEA LEVEL DATUM)	

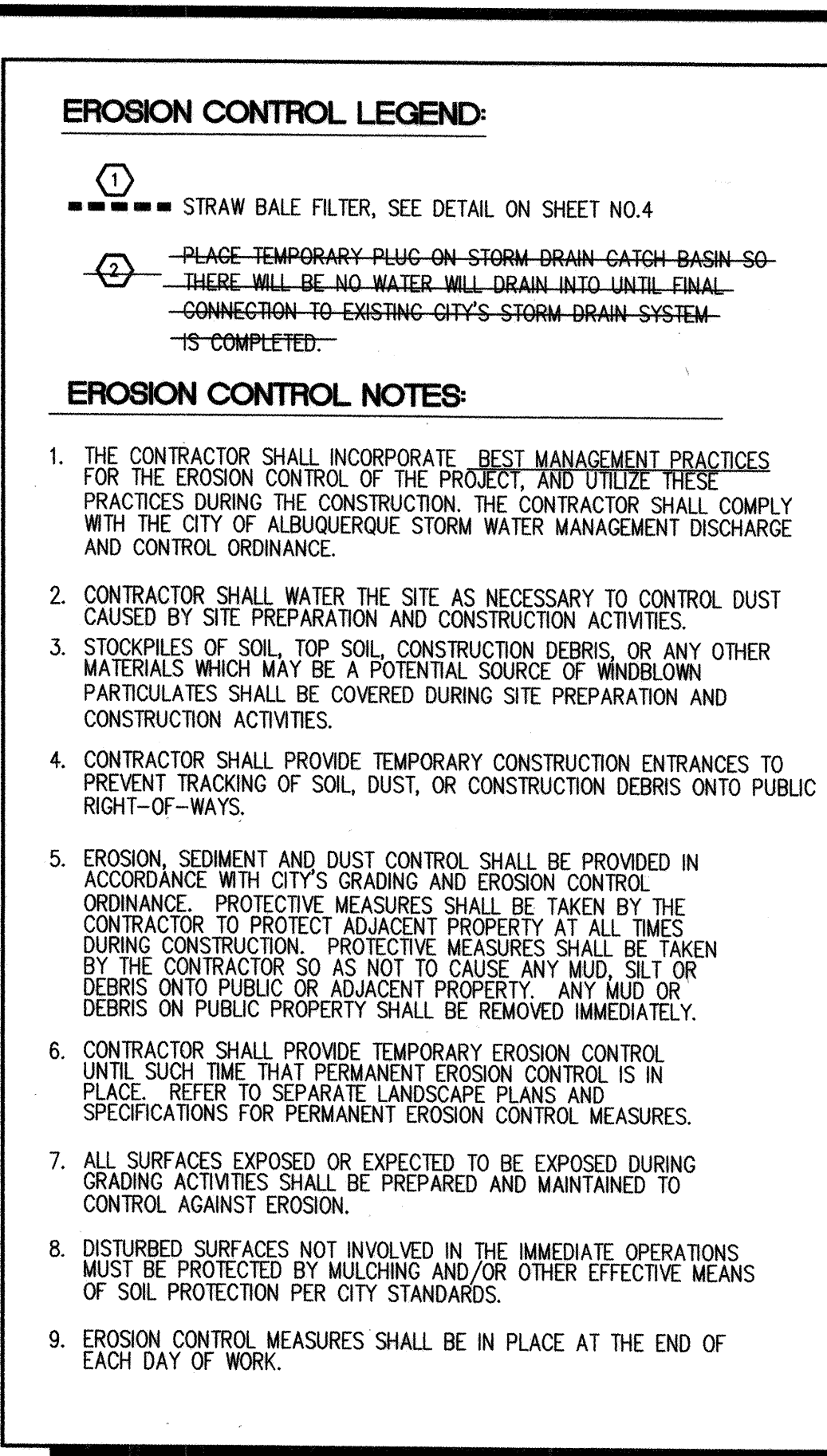
SURVEY INFORMATION	
FIELD NOTES	DATE
BY	DATE
NO.	DATE

ENGINEER'S SEAL
SCOTT ALAN MONAGHAN
REGISTERED PROFESSIONAL ENGINEER
NO. 14873
STATE OF CALIFORNIA
PREPARED UNDER DIRECTION OF:
SCOTT ALAN MONAGHAN
FOE 14873

REVISIONS	
By	REMARKS
	DESIGN
No.	Date

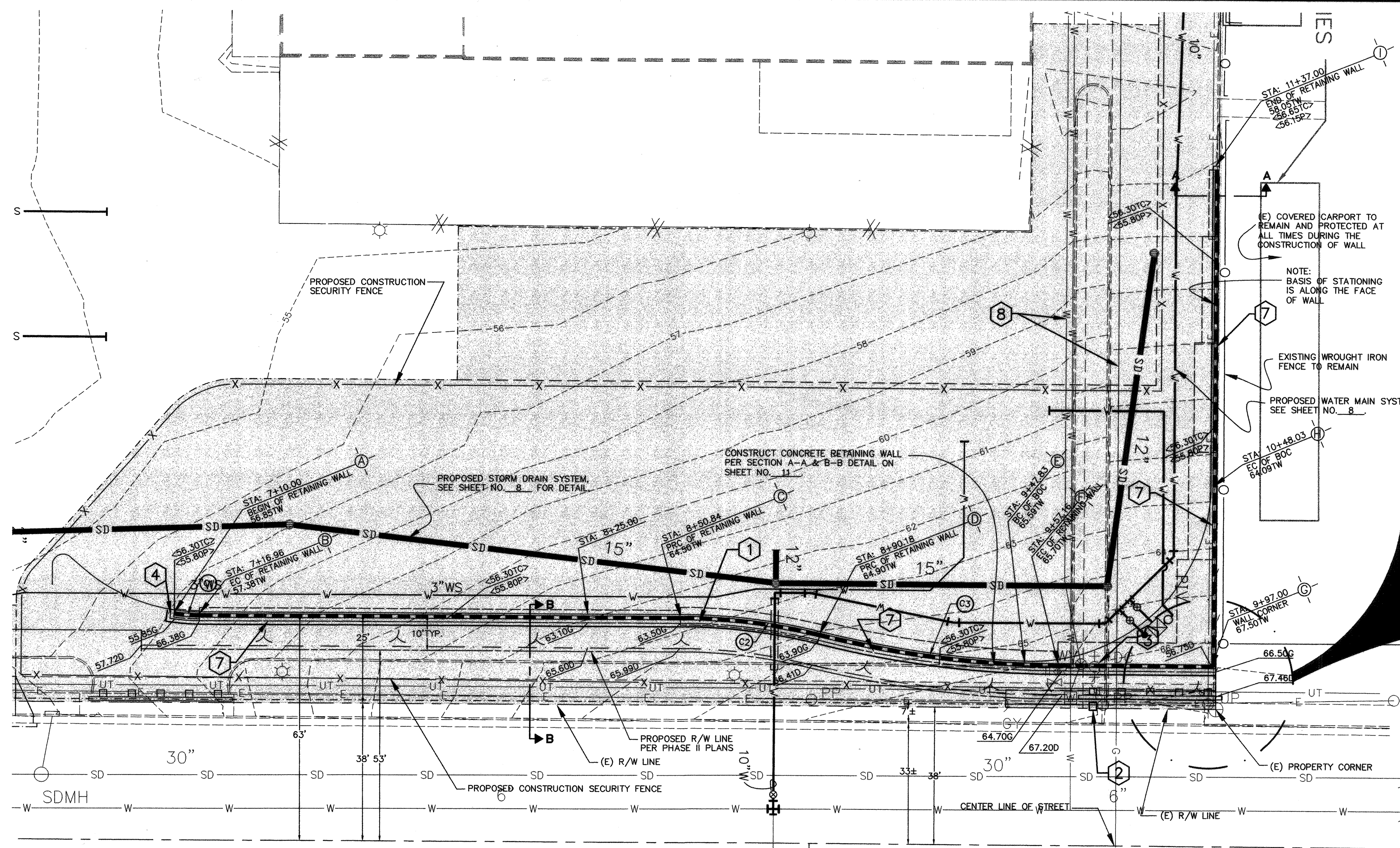


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[illegible]

LA PROJECT NUMBER: 99-113

LARS ANDERSEN PERSONS ONLY
03-20-01
05-08-01
05-18-01
06-15-01
07-05-01
08-30-01
09-12-01



NOTES:

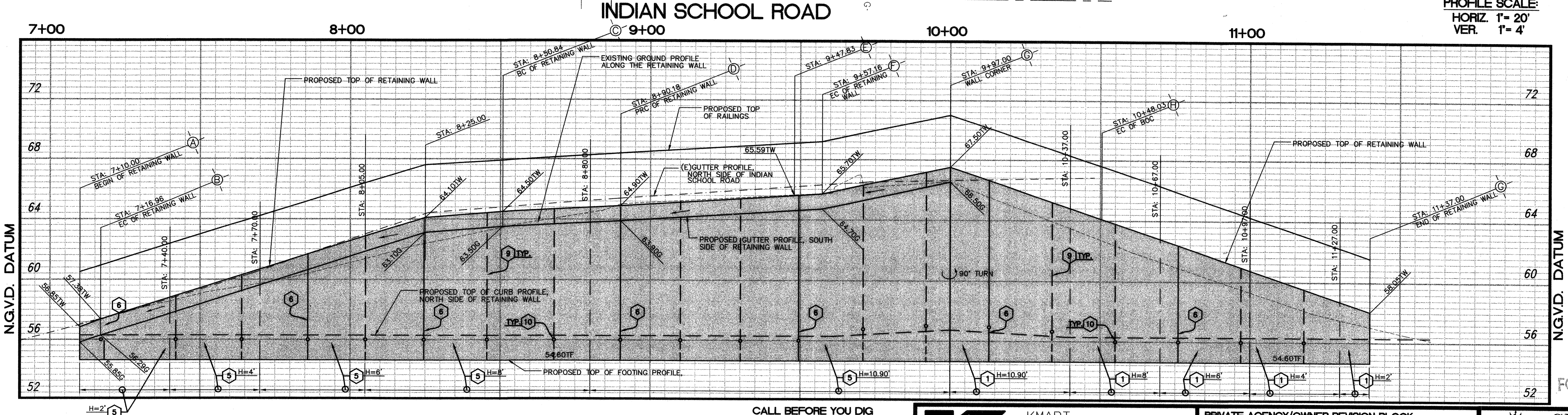
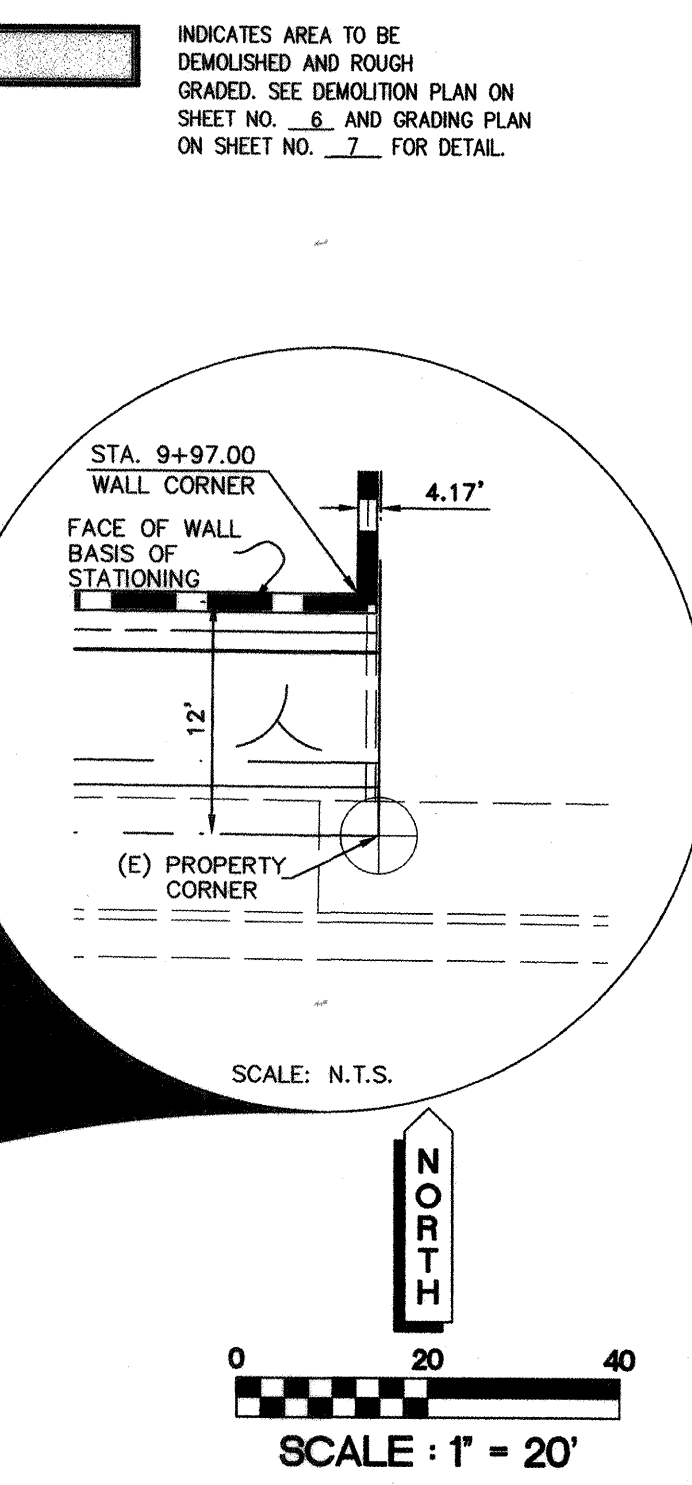
- SEE GENERAL CONSTRUCTION NOTES ON SHEET NO. 3 FOR DETAILS.
- SEE NOTES, LEGEND, AND ABBREVIATION ON SHEET NO. 4 FOR DETAIL.
- SEE DEMOLITION, CLEARING AND GRUBBING NOTES ON SHEET NO. 4 FOR DETAIL.

RETAINING WALL NOTES:

- ALL CONCRETE SHALL BE POURED IN ACCORDANCE WITH APPLICABLE UBC SECTIONS.
- REFER TO PROJECT SOILS REPORT RECOMMENDATION FOR WALL FOUNDATION PREPARATION.
- SEE SECTION A-A & B-B ON SHEET NO. 11 FOR DETAIL.
- PROVIDE TEMPORARY SHORING AS NECESSARY TO PROTECT ALL ADJACENT EXISTING STRUCTURES, UTILITY LINES, ETC.
- REINFORCING BARS SHALL HAVE STANDARD DEFORMATION AND YIELD STRENGTH OF 40,000 PSI.

CONSTRUCTION NOTES:

- CONSTRUCT CONCRETE RETAINING WALL PER SECTION A-A DETAIL ON SHEET NO. 11. UTILIZE MAXIMUM HEIGHT DESIGN CRITERIA AS NOTED ON PLAN PER TABLE OF RETAINING WALL DATA SHOWN ON SHEET NO. 11.
- EXISTING WATER METER TO REMAIN AND UTILIZED FOR LANDSCAPE IRRIGATION SERVICE.
- EXISTING FIRE DEPARTMENT CONNECTIONS, WATER VALVE AND IRRIGATION VALVE TO BE REMOVED. SEE DEMOLITION PLAN ON SHEET NO. 6 FOR DETAIL.
- PROPOSED 2 - 3" DRILL HOLES ON CONCRETE CURB BY PHASE II CONSTRUCTION.
- CONSTRUCT CONCRETE RETAINING WALL PER SECTION B-B DETAIL ON SHEET NO. 11. UTILIZE MAXIMUM HEIGHT DESIGN CRITERIA AS NOTED ON PLAN PER TABLE OF RETAINING WALL DATA SHOWN ON SHEET NO. 11.
- CONSTRUCT WALL EXPANSION JOINT PER DETAIL ON SHEET NO. 11.
- APPLY ALL EXPOSED RETAINING WALL SURFACE WITH CITY APPROVED ANTI-GRAFFITI FLUTED FINISH.
- EXISTING GAS, WATER, AND FIRE SERVICES TO BE REMOVED. SEE DEMOLITION PLAN ON SHEET NO. 6 FOR DETAIL.
- CONSTRUCT WEAKENED PLANES JOINT PER DETAIL ON SHEET NO. 11.
- INSTALL WEEP HOLE AND PERVIOUS BACKFILL PER DETAIL ON SHEET NO. 11.



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Kmart Corporation
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4630 WEST JACQUELYN AVENUE SUITE 110 FRESNO, CA 93722
TEL: 559 276-2790 FAX: 559 276-0850 EMAIL: lars@andersen.com

PRIVATE AGENCY/OWNER REVISION BLOCK:			
No.	Date:	Description of Revision and/or Addenda	Reference Affected Sheet
	03/27/01	ISSUED FOR CITY REVIEW	ALL 12 SHEETS
	05/18/01	ISSUED FOR BIDS	ALL 12 SHEETS
	07/05/01	BID ADDENDUM NO.1	ALL 16 SHEETS
	08/30/01	BID BULLETIN NO.1	SHEET NOS. 4,7,8,9,10 & 11

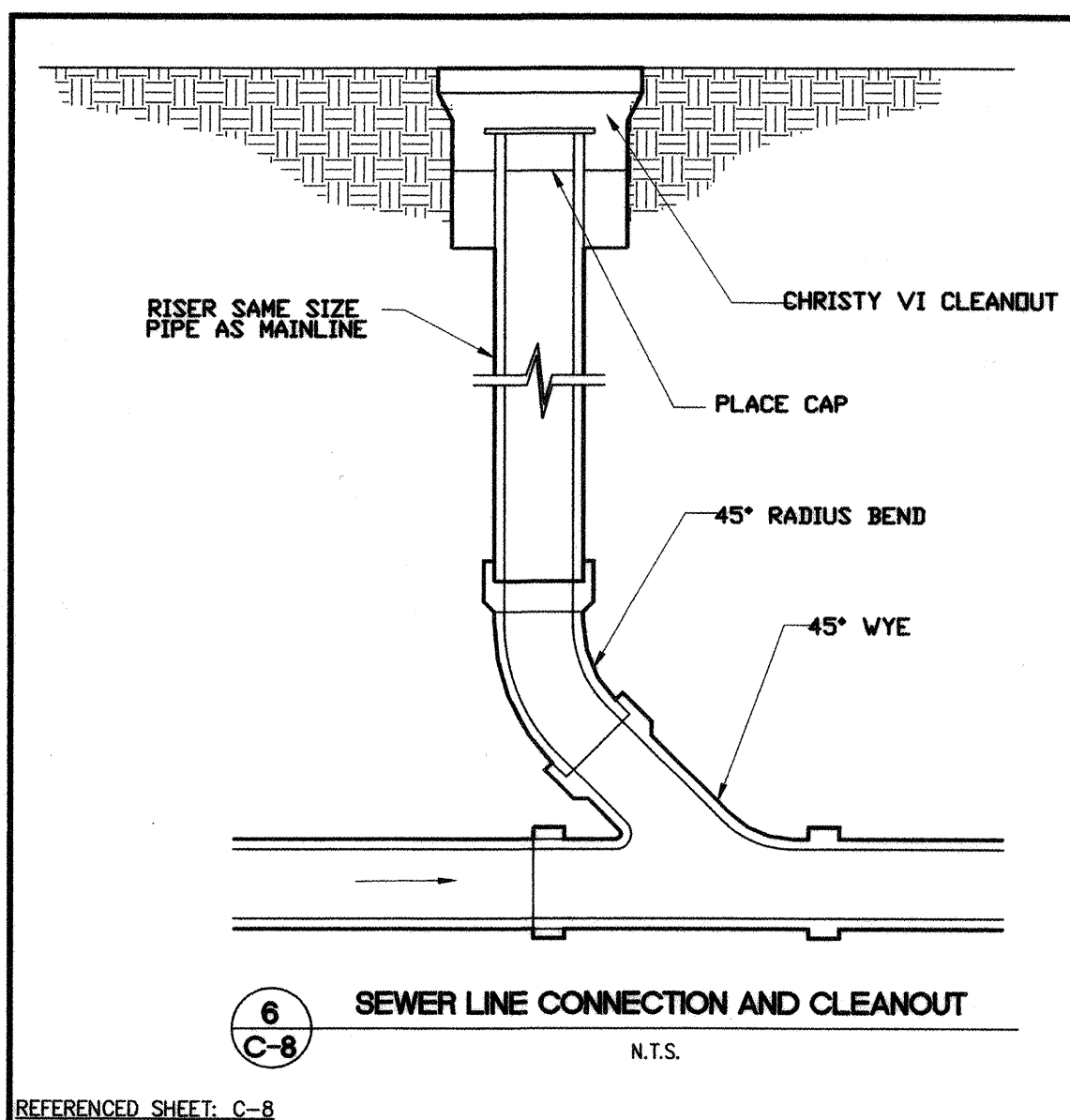
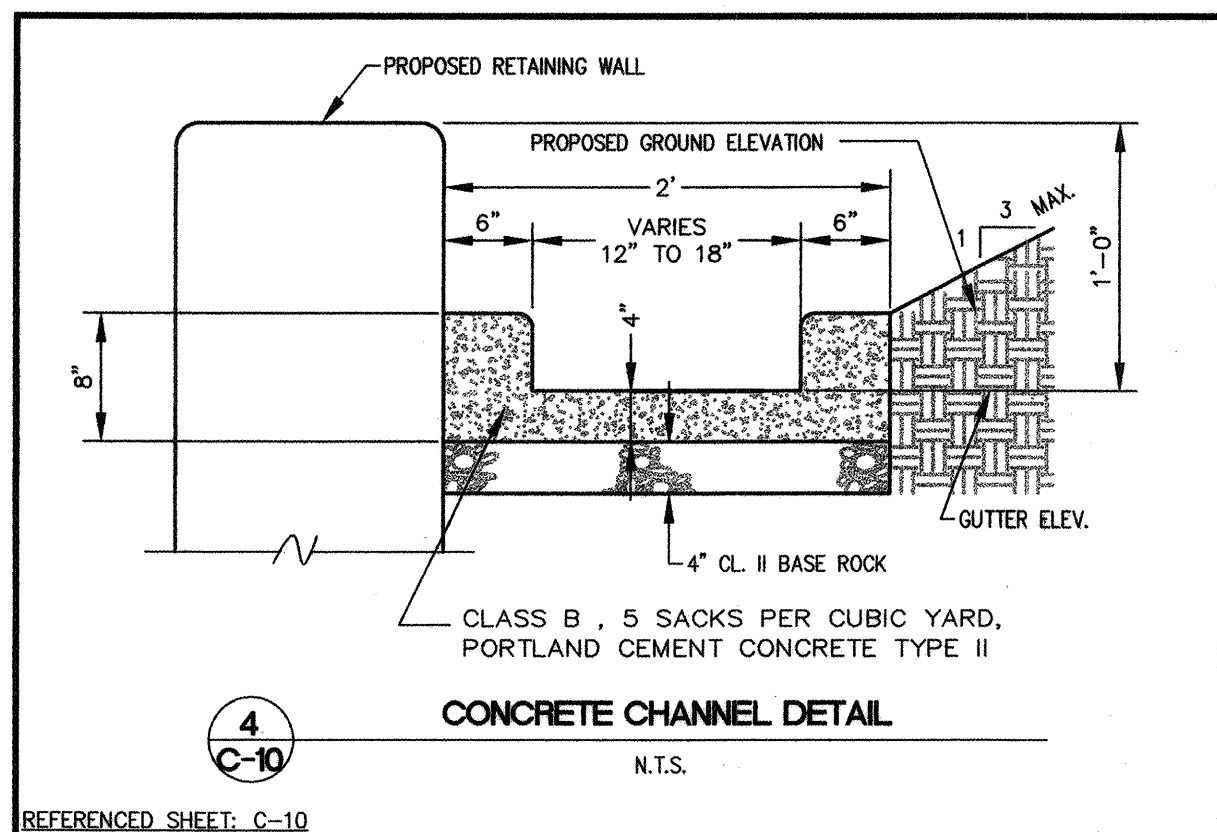
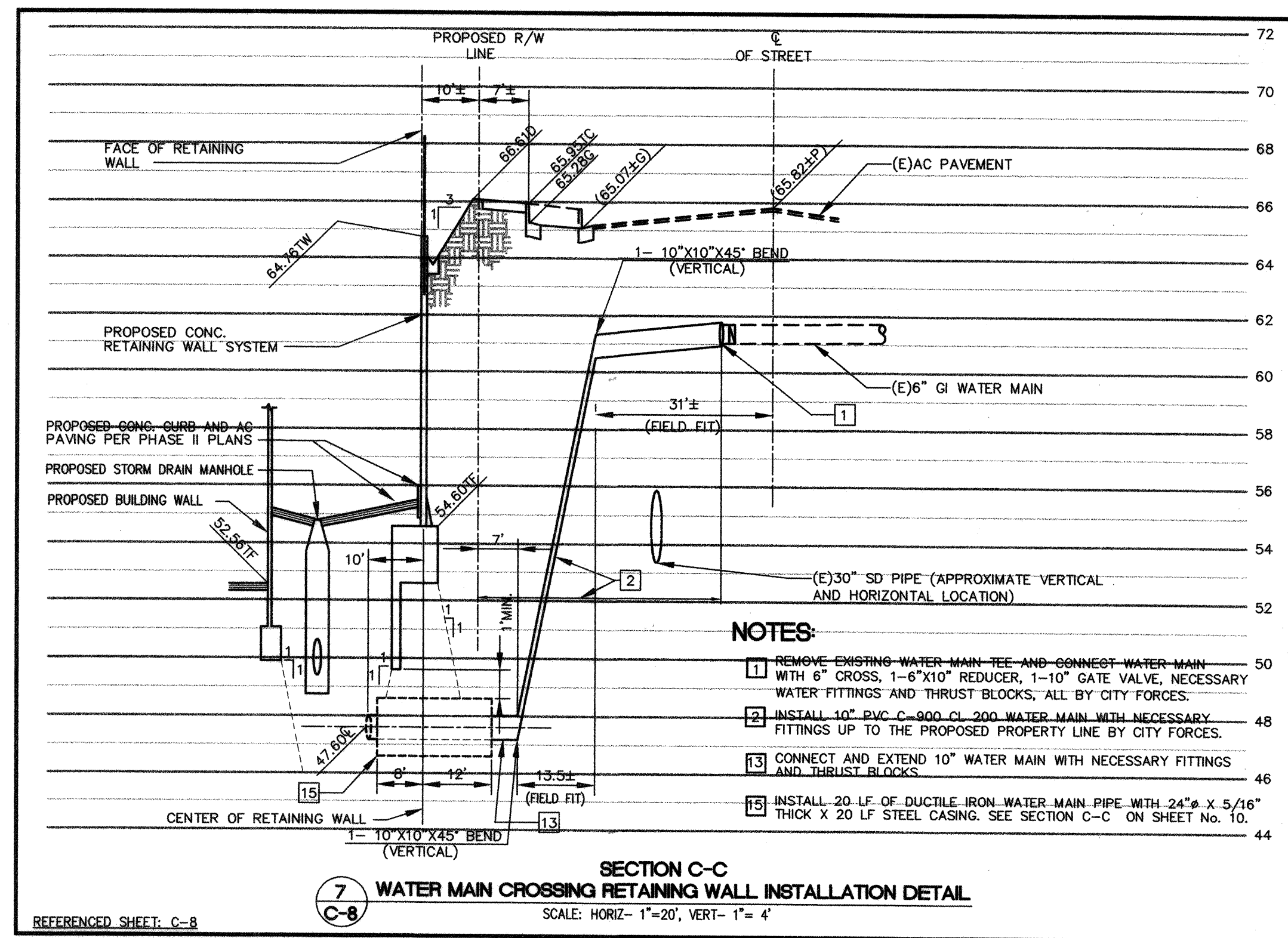
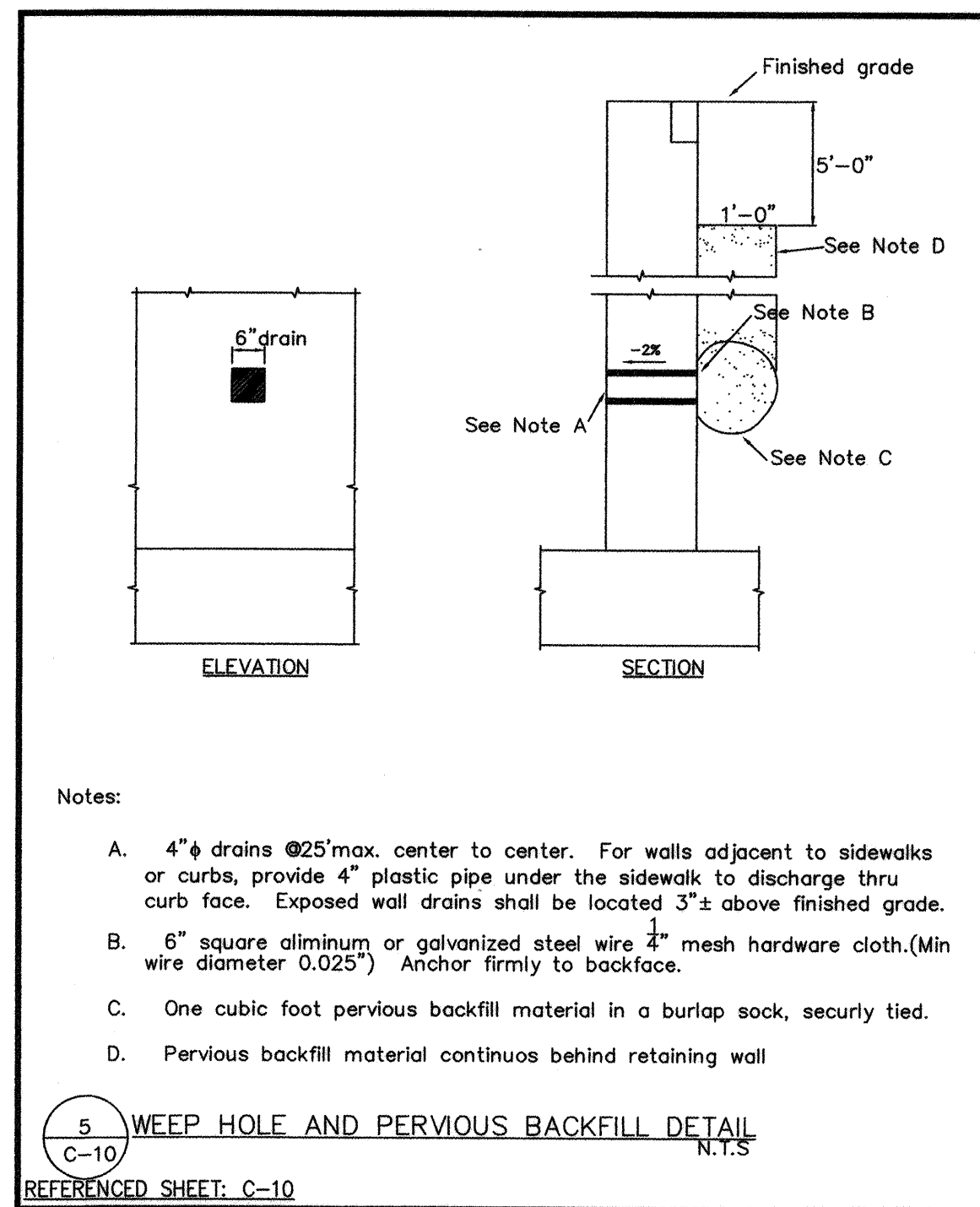
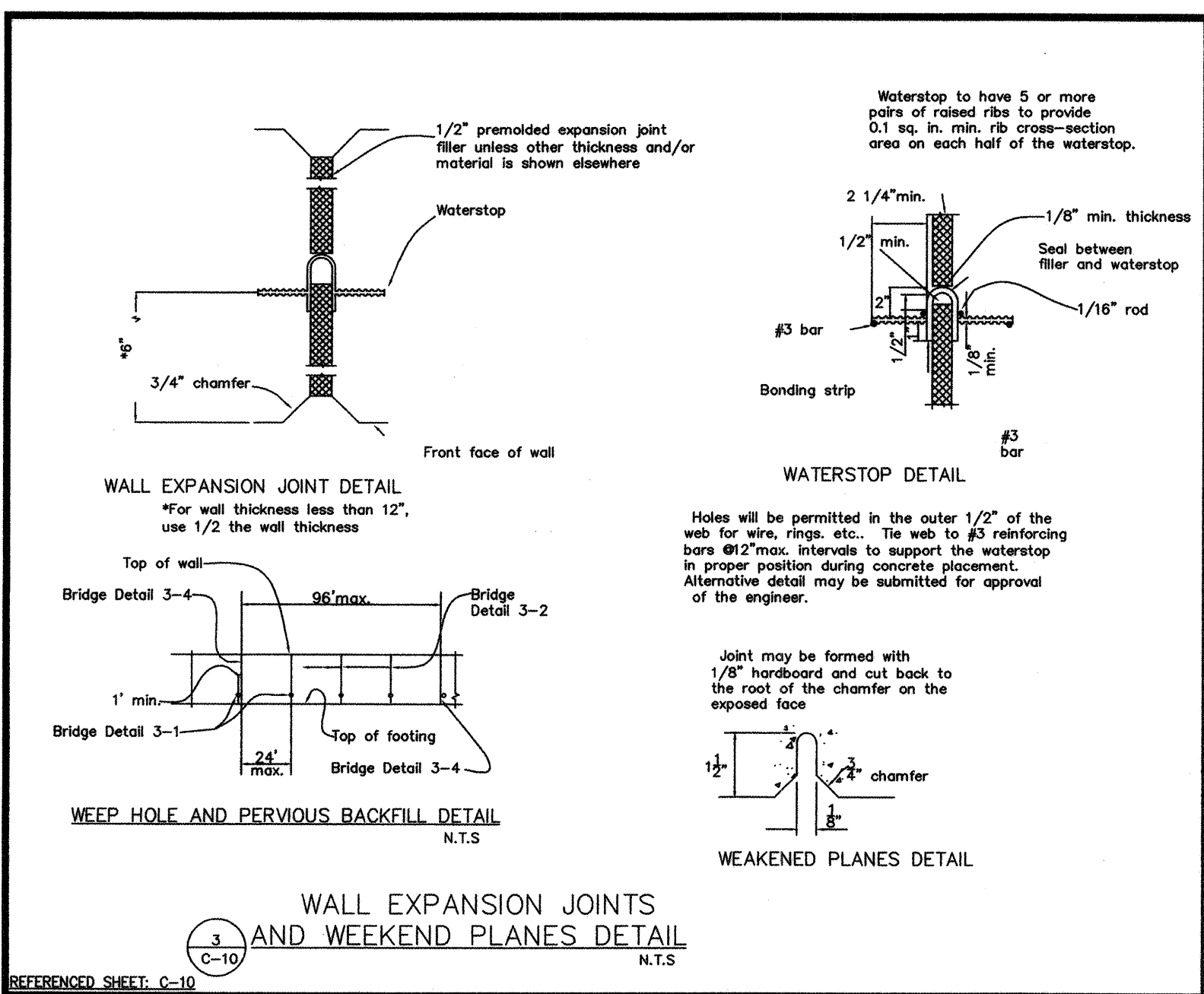
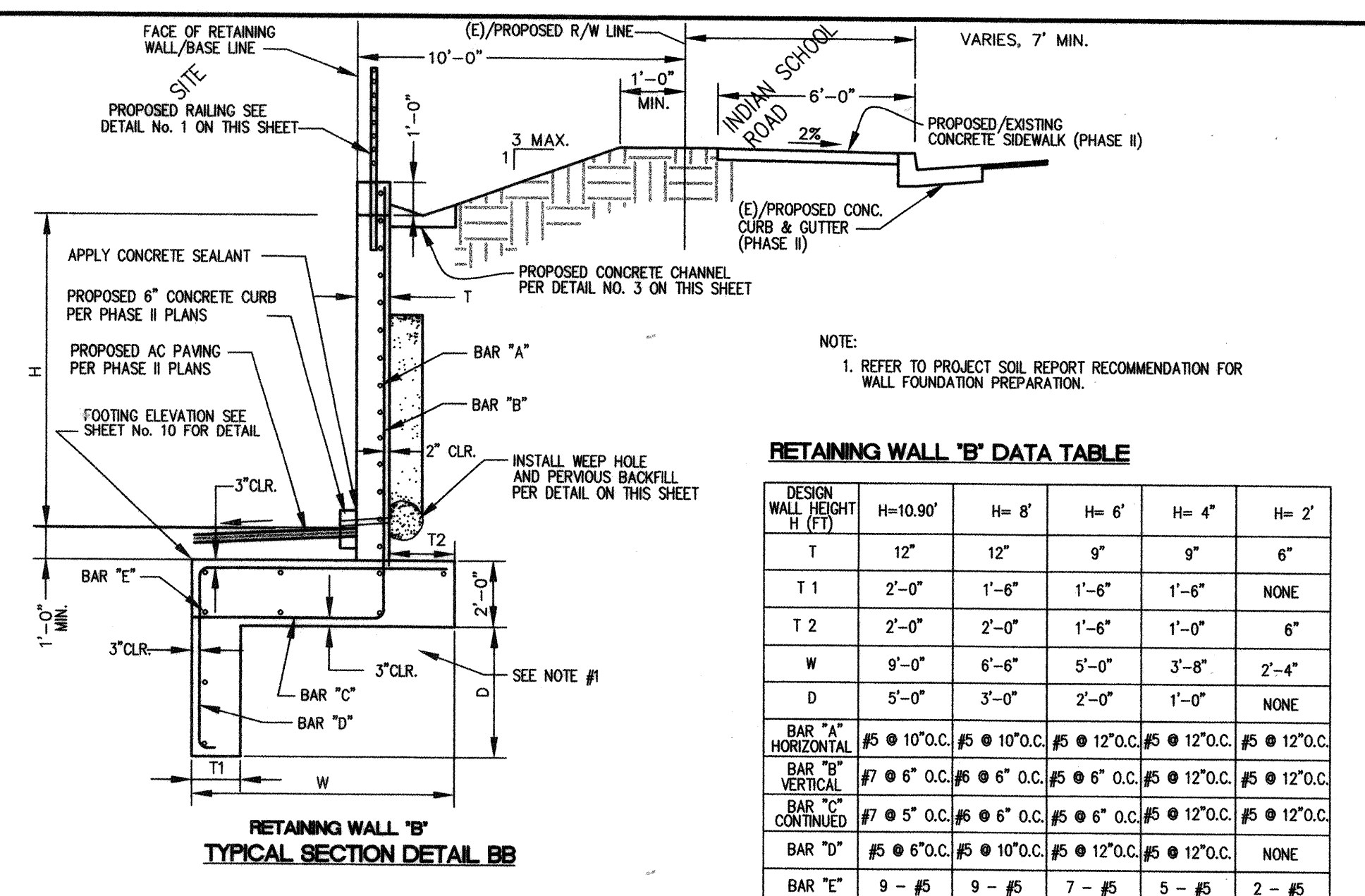
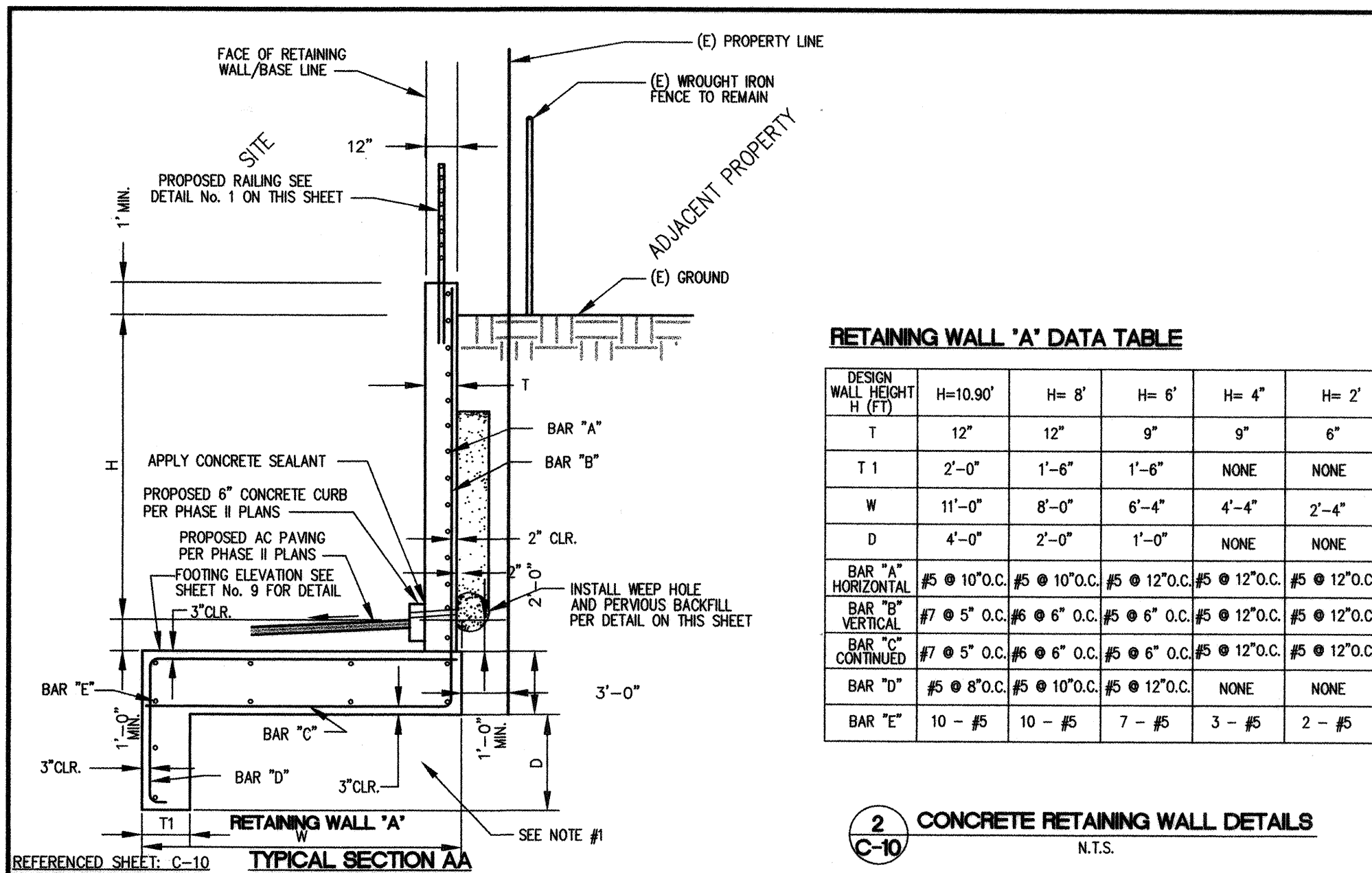
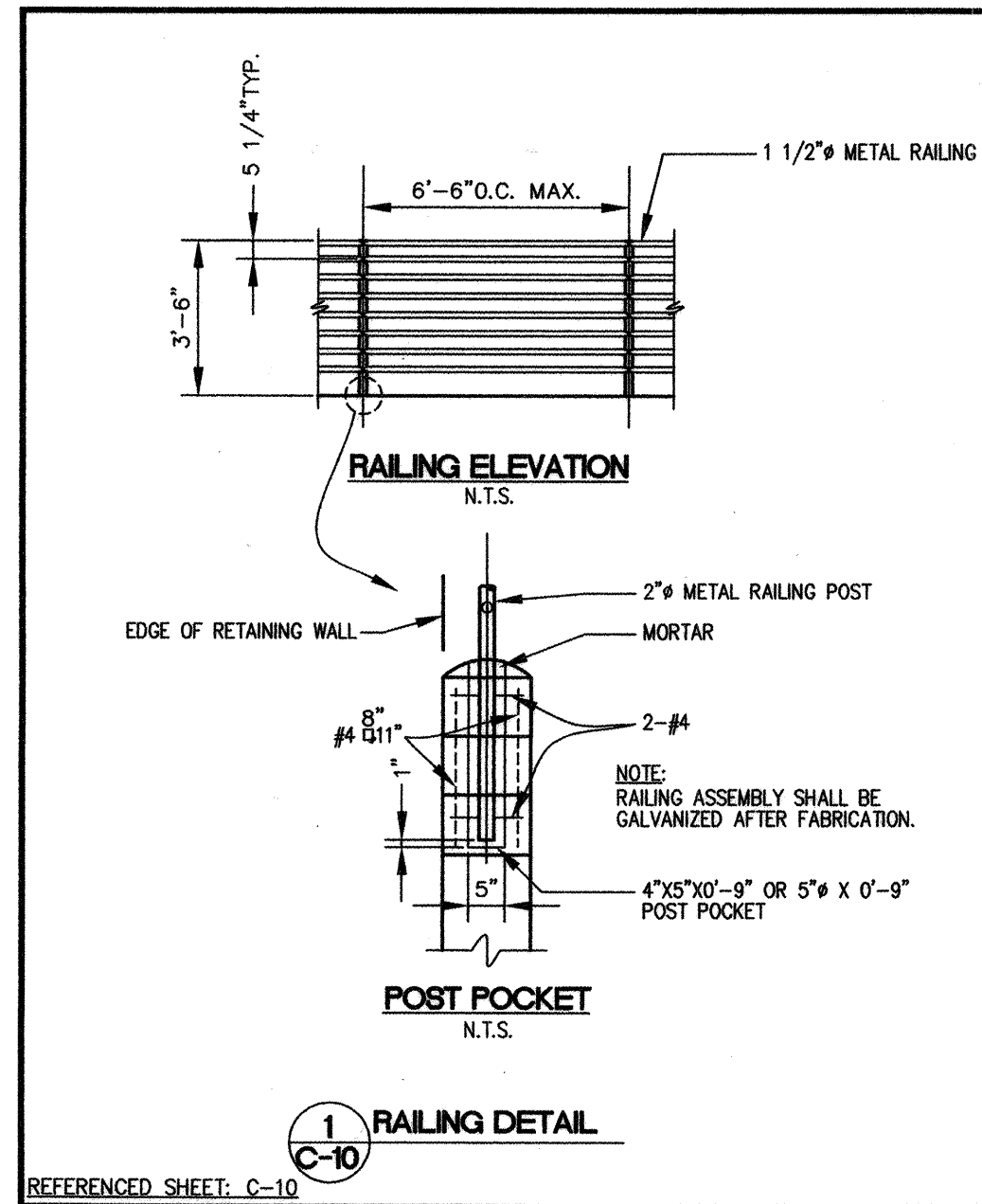
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUPER KMART #4136 EXPANSION
PHASE I
RETAINING WALL PLAN & PROFILE

Design Review Committee: City Engineer Approval

OCT - 8 2001

City Project No. 665981 Zone Map No. H-17 Sheet 10 Of 16



KMART Development
Kmart Corporation
3100 West Big Beaver Road
Troy, MI 48064-3163

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CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
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TEL: 559 276-2790 FAX: 559 276-1660 EMAIL: la.andersen@ca.com

PRIVATE AGENCY/OWNER REVISION BLOCK:			
No.	Date:	Description of Revision and/or Addenda	Reference Affected Sheet
	03/27/01	ISSUED FOR CITY REVIEW	ALL 12 SHEETS
	05/18/01	ISSUED FOR BIDS	ALL 12 SHEETS
	07/05/01	BID ADDENDUM NO.1	ALL 16 SHEETS
	08/30/01	BID BULLETIN NO.1	SHEET NOS. 4,7,8,10 & 11

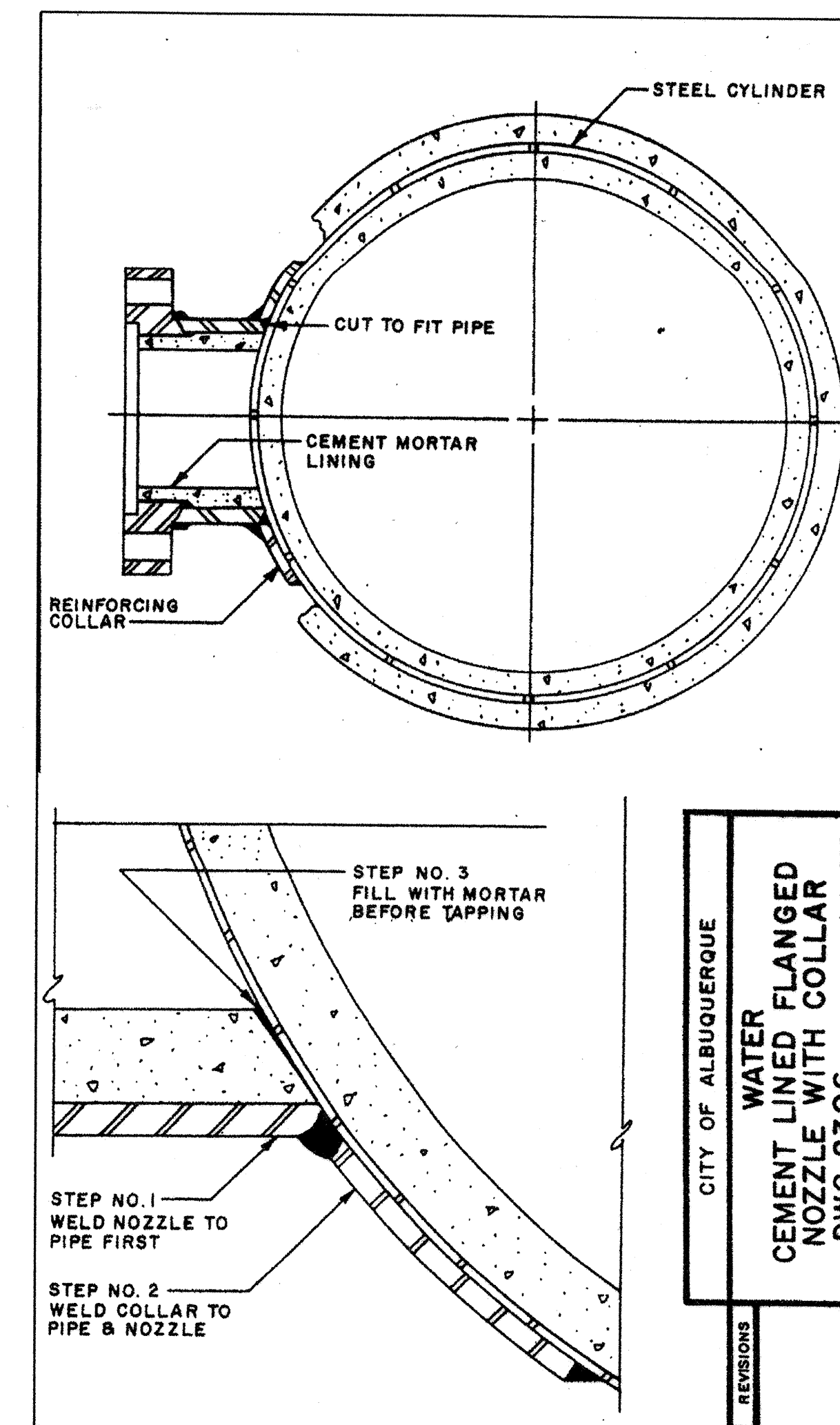
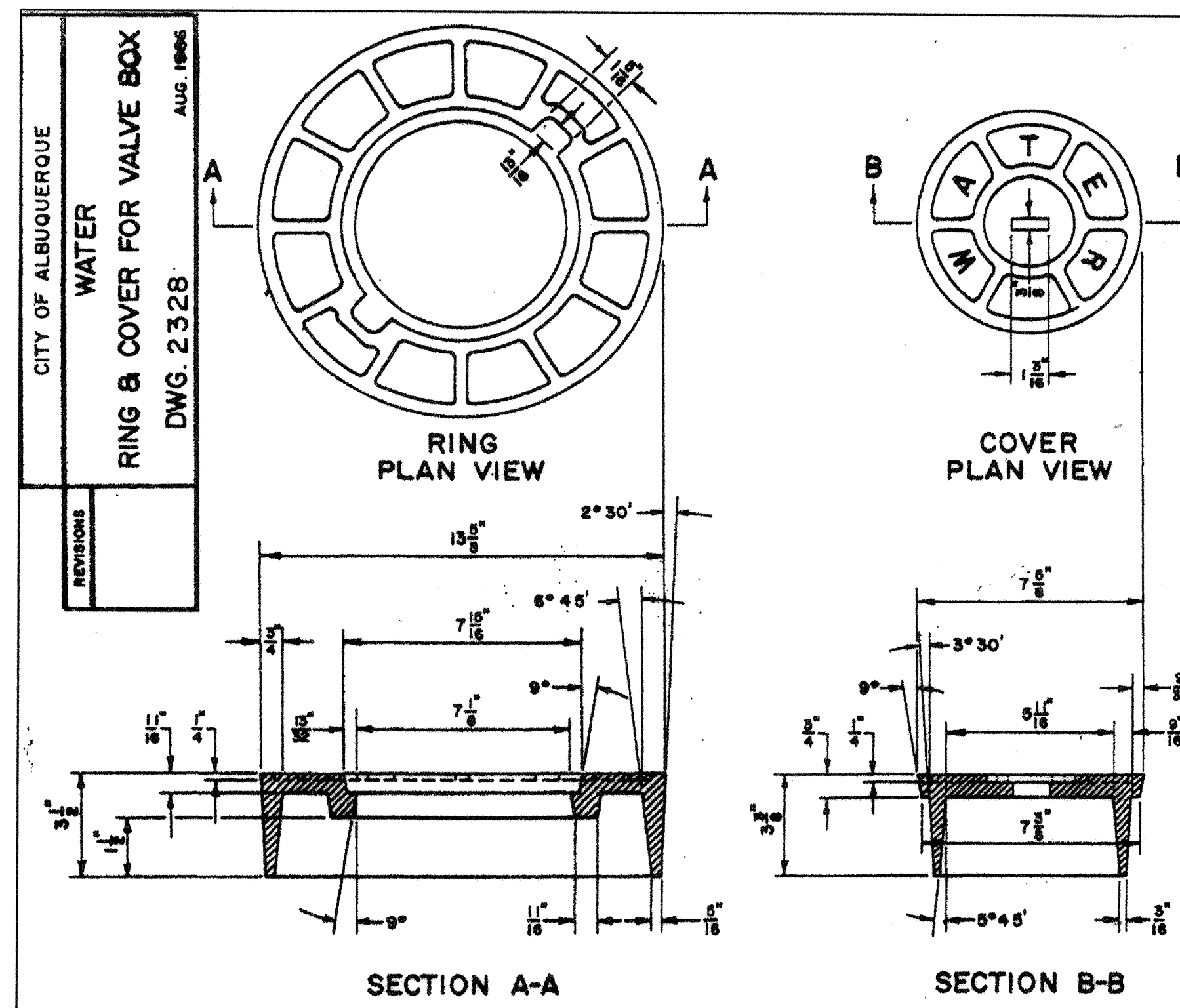
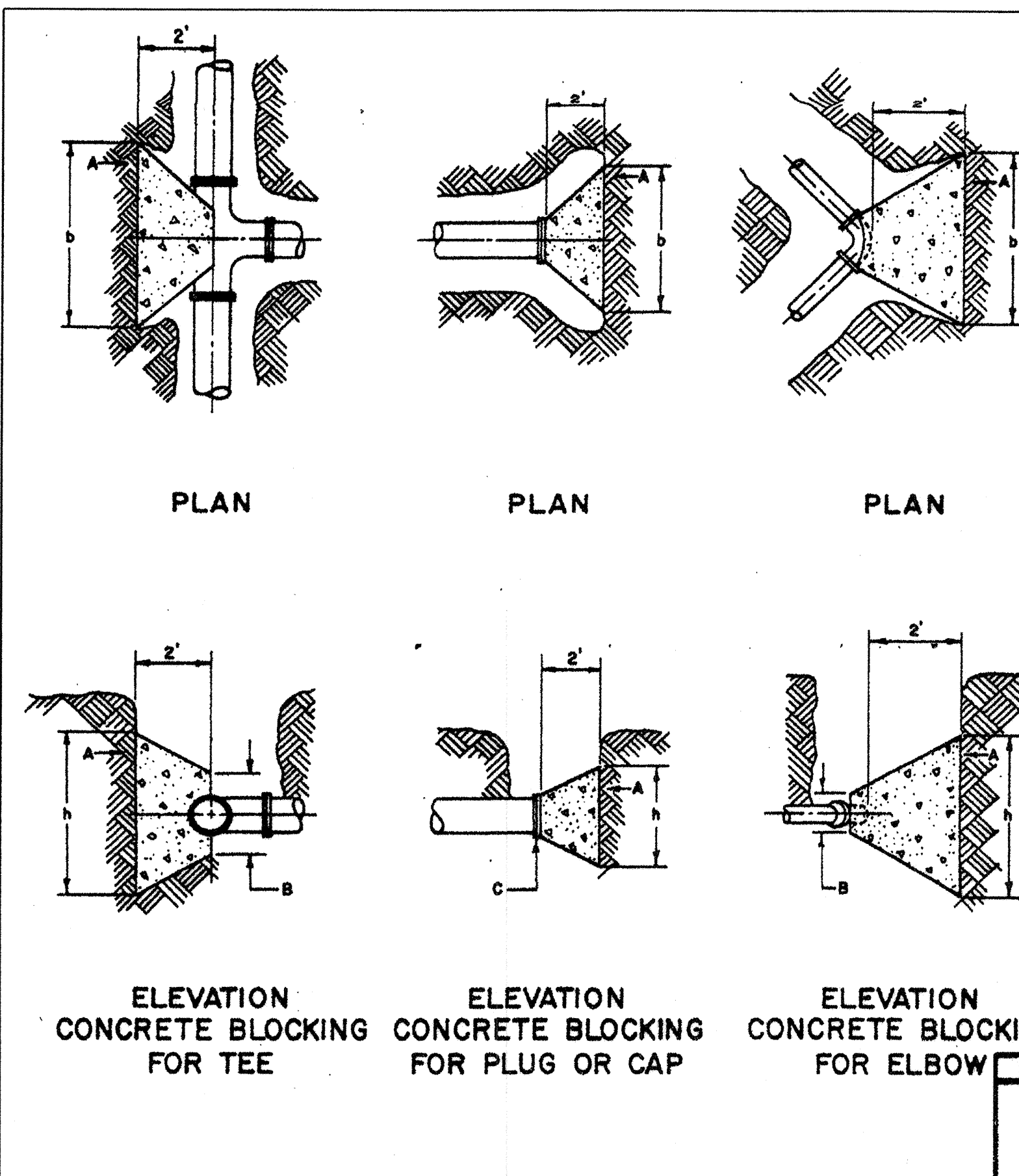
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUPER KMART #4136 EXPANSION
PHASE I
CONSTRUCTION STANDARDS AND DETAILS

Design Review Committee City Engineer Approval
OCT - 8 2001
DESIGN CITY ENGINEERS

City Project No. 665981 Zone Map No. H-17 Sheet 11 of 16

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION No. "2-H16" HAVING AN ELEVATION OF 5147.495.	DATE	FIELD NOTES	DATE	ALAN MONMOR	DATE
WORK IN PROGRESS	DATE	MSLD, 1929 (MEAN SEA LEVEL DATUM)	DATE	NO.	NO.	14873	NO.
INSPECTOR'S ACCEPTANCE BY	DATE		DATE				
REVISIONS	DATE		DATE				
BY	DATE		DATE				
RECORDING BY	DATE		DATE				
NO.							



GENERAL NOTES:

1. THE ENGINEER SHALL PROVIDE DESIGN FOR ALL JOINTS GREATER THAN 14".

PIPE SIZE	ELBOW ANGLE	(B) DIM.	(B) DIM.	TEE OR PLUG (2) DIM.	TEE OR PLUG (2) DIM.
4"				2'	1'
4"	90° 45°	2'	2'		
4"	22½ 11½	2'	2'		
6"				2'	2'
6"	90° 45°	2'	2'		
6"	22½ 11½	2'	2'		
8"				3'	3'
8"	90°	3'	3'		
8"	45°	2'	2'		
8"	22½ 11½	2'	2'		
10"				3'	3'
10"	90°	3'-6"	3'-6"		
10"	45°	3'	3'		
10"	22½ 11½	2'	2'		
12"				3'-6"	3'-6"
12"	90°	4"	4"		
12"	45°	3'-6"	3'-6"		
12"	22½ 11½	2'	2'		
14"				4'	4'
14"	90°	5'	5'		
14"	45°	3'-6"	3'-6"		
14"	22½ 11½	3'	3'		

CONSTRUCTION NOTES:

A. UNDISTURBED EARTH.

B. O.D. OF PIPE + 8".

C. O.D. OF CAP OR PLUG, MIN. 12" X 12"

GENERAL NOTES:


- I. ALL BENDS AND FITTINGS SHALL BE BLOCKED WITH CONCRETE PER DWG. 2320 OR HAVE APPROVED, RESTAINED JOINTS TO RESIST THRUST.
2. ALL FITTINGS SHALL BE WRAPPED WITH POLYETHYLENE.

CONSTRUCTION NOTES:

- I. EXISTING STEEL PIPE.
3. REDUCE AT TEE, IF EXISTING LINE IS SMALLER THAN NEW LINE.
4. M.J., C.I. ELBOW.
5. NEW D.I. OR P.V.C.
6. TRANSITION COUPLING.
- F. EXISTING D.I., OR C.I. OR P.V.C. IF A.C., USE PAD ADAPTOR.
- G. M.J. C.I. TEE.
- H. GATE VALVE F.L. - M.J.
- J. WELDING COLLAR.
- K. STEEL WELDING NECK FL.
- L. TAR COAT COLLAR, NECK AND DAMAGED PIPE COATING.
- M. M.J. FLANGE.
- N. FLANGE.
- P. PRESSURIZED CONNECTION.
- Q. M.J., C.I. PLUG.
- R. REMOVE AT LEAST 10' OF PIPE TO BE ABANDONED AND CAP OR PLUG.
- S. TAG-WELD SACRIFICIAL ANODE TO STEEL PIPE.

CITY OF ALBUQUERQUE
WATER
WATERLINE CONNECTION
DETAILS
DWG. 2301
AUG. 1988


		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
				FIELD NOTES		ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION NO. "2-H16" HAVING AN ELEVATION OF 5147.495.		CONTRACTOR	
No.	Date	REMARKS	By	NO.	BY	DATE	MSLD, 1928 (MEAN SEA LEVEL DATUM)	INSPECTED BY	DATE
								ACCEPTANCE BY	DATE
		REVISIONS						VERIFICATION BY	DATE
		DESIGN						DRAWINGS	DATE
								CHECKED BY	
								MICRO-FILM INFORMATION	
								RECORDED BY	DATE
								NO.	



Scott Alan Monahan 10-9-97
SCOTT ALAN MONAHAN P.E. L14873

Mo./Day/Yr.		Mo./Day/Yr.	
Sheet 12		Of 16	

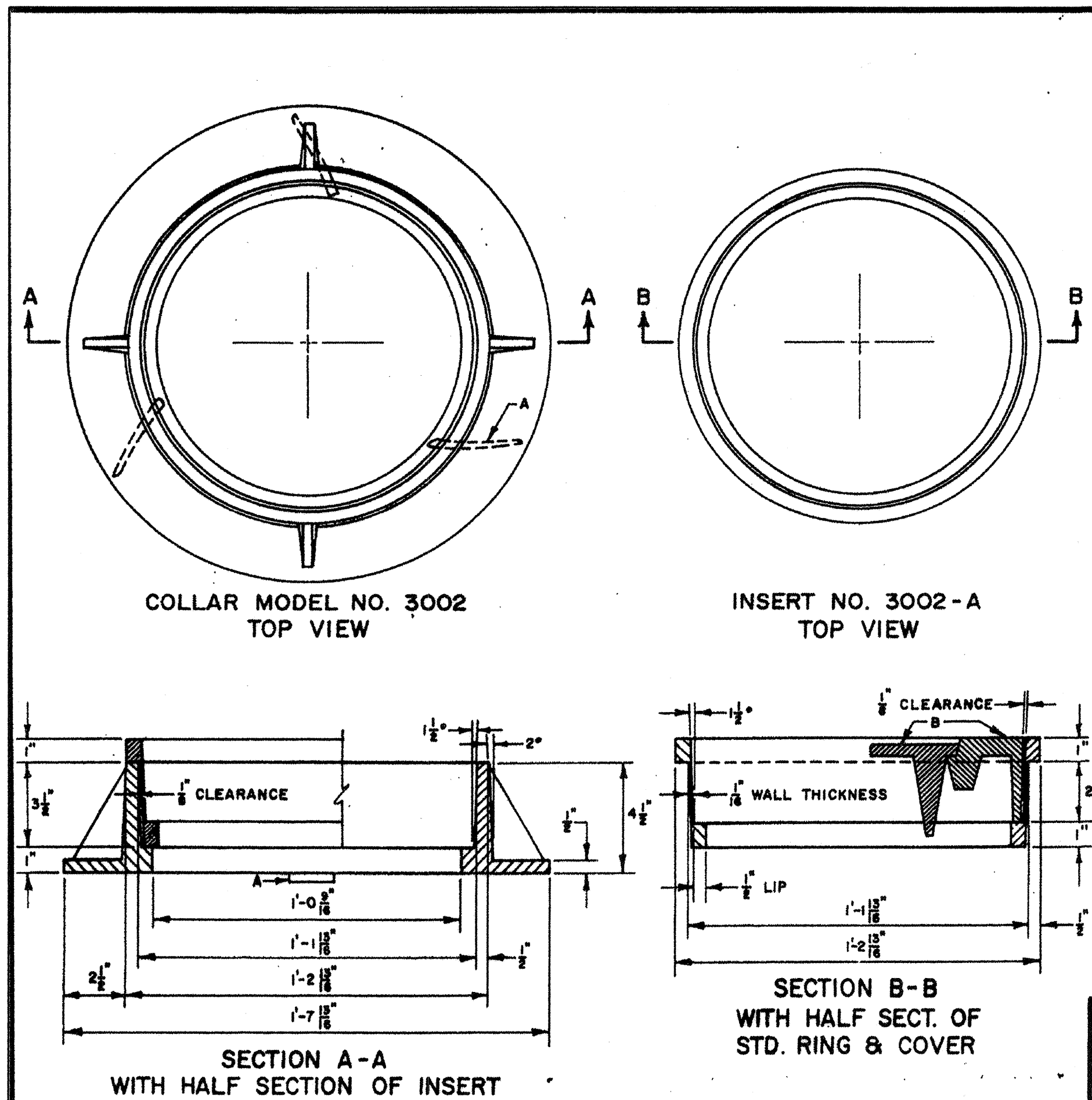
FOR INFORMATION ONLY

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUPER K MART #4136 EXPANSION
PHASE I
CONSTRUCTION STANDARDS AND DETAILS

City Project No.	Zone Map No.	Sheet	Of
665981	H-17	12	16

LA PROJECT NUMBER: 99-113



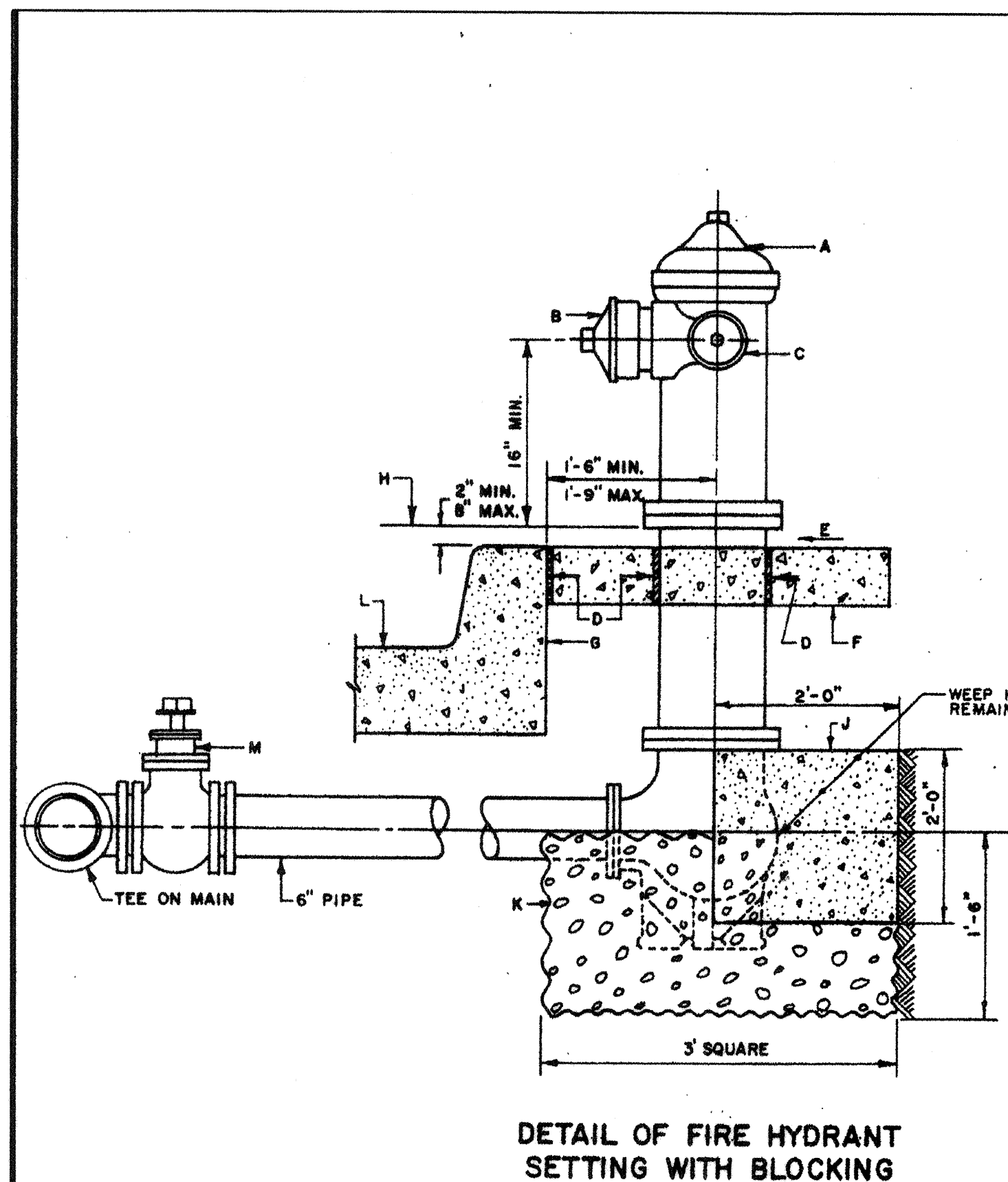
GENERAL NOTES:

1. COLLAR, STANDARD ALUMINUM CASTING, ALLOY 319.
2. INSERT, STANDARD ALUMINUM CASTING, ALLOY 319, I.D. & O.D. MACHINED.
3. DESIGN BY TERRELL'S FOUNDRY, ALBUQUERQUE, NEW MEXICO, PAT. PEND.

CONSTRUCTION NOTES:

- A. 3 CLETS EQUALLY SPACED.
- B. EXIST. VALVE BOX RING & COVER TO BE CLEANED AND REUSED.

REVISIONS	CITY OF ALBUQUERQUE
	WATER VALVE BOX ADJUSTMENT COLLAR AND INSERT DWG. 2332
	AUG. 1986



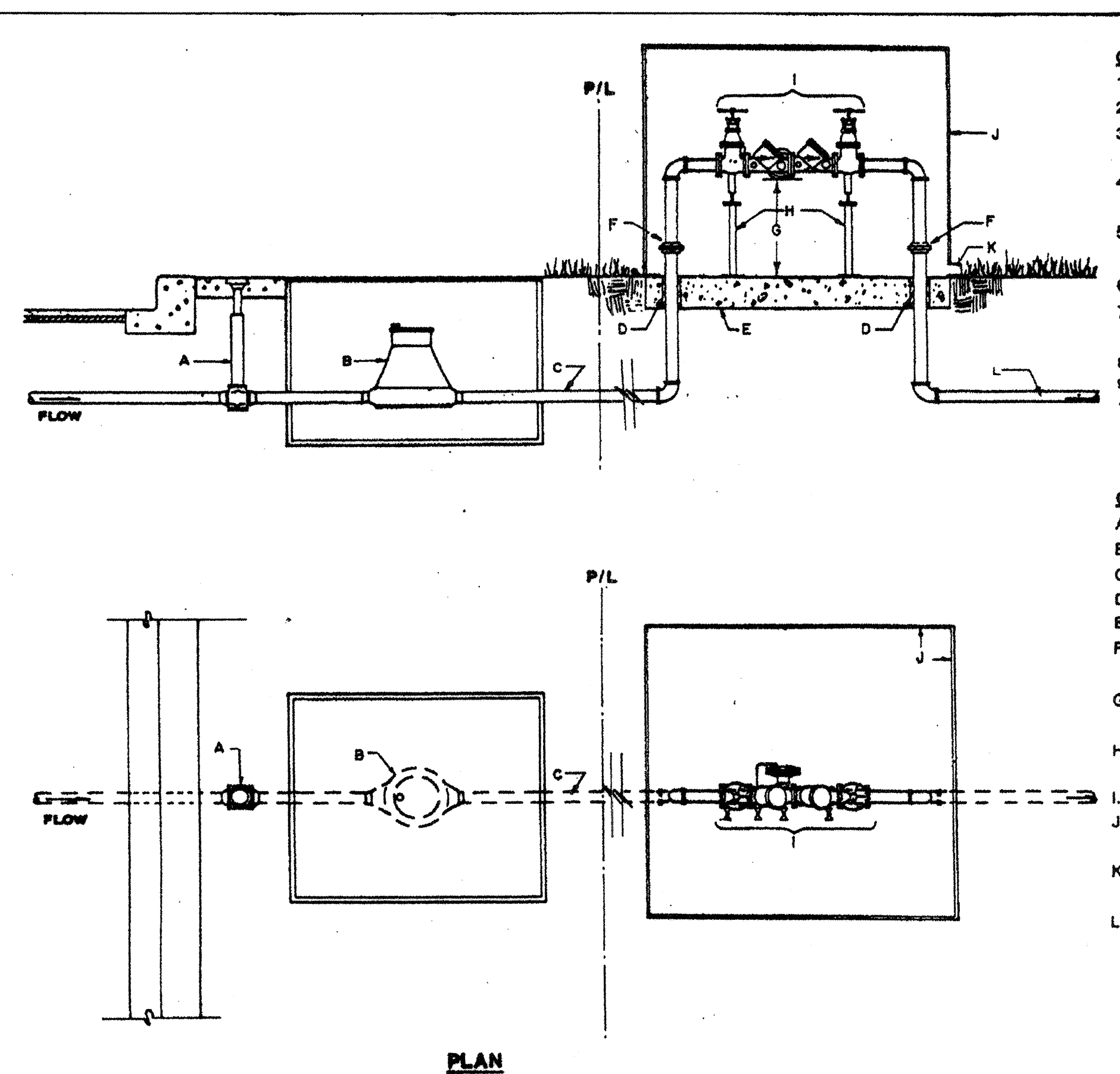
GENERAL NOTES:

1. NO OBSTRUCTIONS WILL BE PERMITTED WITHIN 3 FT. OF FIRE HYDRANT.
2. HYDRANT LEG SHALL BE VALVED IN COMMERCIAL AND INDUSTRIAL AREAS, IN ARTERIAL STREETS, AND ON ALL MAIN LINES SIZED 10" OR GREATER.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING TOP FLANGE OF FIRE HYDRANT TO THE CONTROLLED ELEVATION LINE.
4. FIRE HYDRANT SHALL BE LOCATED AT THE BEGINNING OF CURB RETURN OR AT THE PROPERTY LINE COMMON TO ADJOINING LOTS, UNLESS OTHERWISE SHOWN ON PLANS. SEE DWG. 2360 AND 2347.
5. WHEN NEW OR EXISTING SIDEWALK ABUTS CURB, RECONSTRUCT SIDEWALK AS PER DWG. 2430, 2431.
6. PUMPER NOZZLE TO BE SET FACING THE TRAVELED WAY, UNLESS OTHERWISE NOTED ON PLANS.

CONSTRUCTION NOTES:

- A. FIRE HYDRANT PER SPEC'S.
- B. PUMPER NOZZLE 4 1/2".
- C. HOSE NOZZLE 2 1/2".
- D. 1/2" EXPANSION JOINT MATERIAL.
- E. SLOPE 1/4" PER FT.
- F. 3' x 3' x 6" CONC. SQ. PAD, TO BE CONSTRUCTED AROUND FIRE HYDRANT'S CENTER LINE WHEN NOT LOCATED WITHIN SIDEWALK OR CONC. AREA.
- G. BACK OF CURB.
- H. CONTROLLED ELEV. LINE, LEVEL IN ALL DIRECTIONS.
- J. CONC. THRUST BLOCK, APPROX. 2' x 2' x 3' TO BE POURED AGAINST UNDISTURBED EARTH, P.H. WEEP HOLE MUST BE UNOBSTRUCTED.
- K. GRAVEL DRAIN POCKET, COVER TOP SURFACE WITH TAR PAPER.
- L. STANDARD CURB & GUTTER. FOR OTHER TYPES OF C & G, OR WHERE NO C & G EXIST, THE PLACEMENT OF FIRE HYDRANT REQUIRES SPECIAL DESIGN.
- M. IF VALVE IS REQUIRED, VALVE WILL BE CONNECTED TO TEE AT MAIN.

REVISIONS	CITY OF ALBUQUERQUE
	WATER FIRE HYDRANT INSTALLATION DWG. 2340
	AUG. 1986



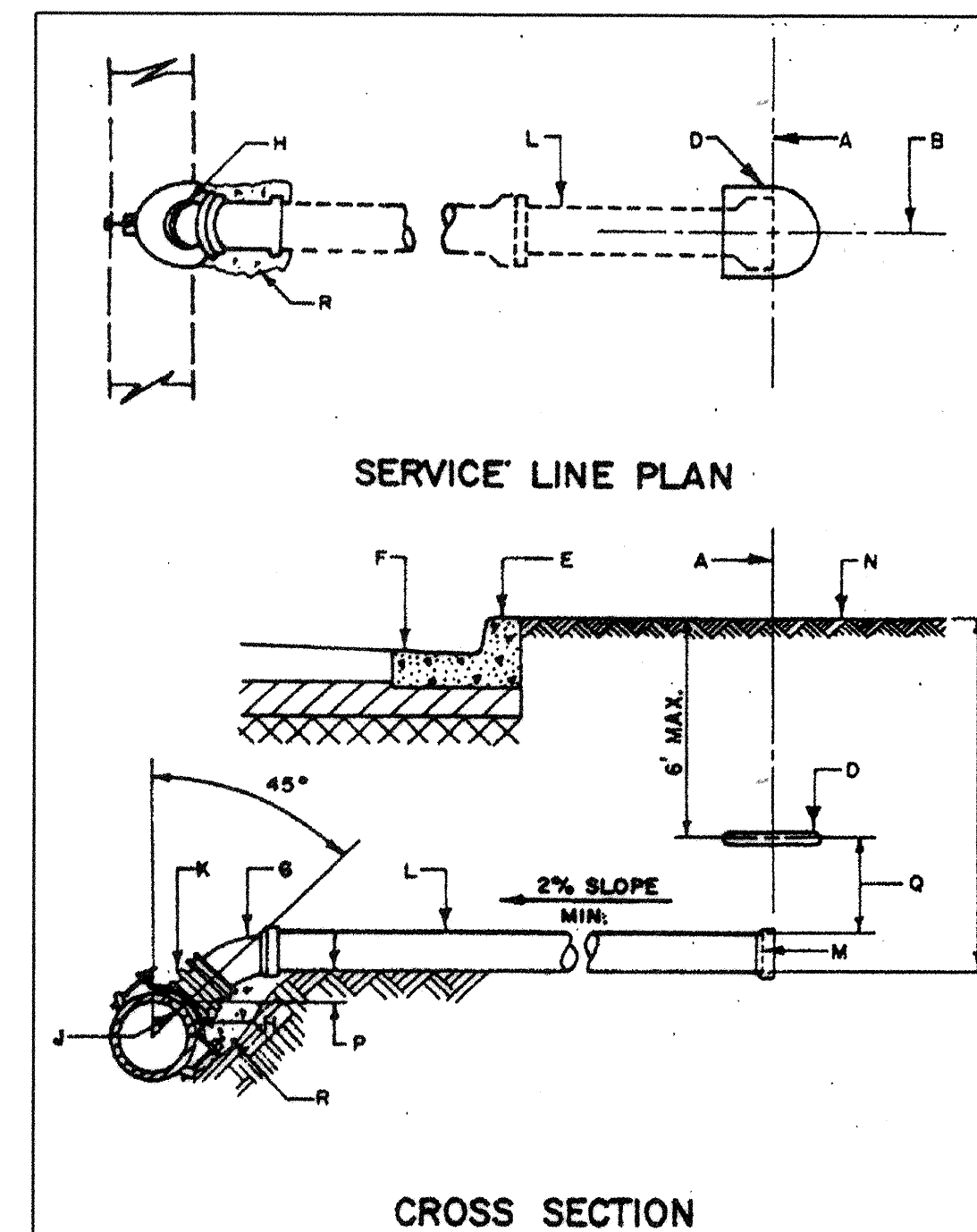
GENERAL NOTES:

1. HORIZONTAL RPBA INSTALLATION REQ'D.
2. ABOVE GRADE RPBA INSTALLATION REQ'D.
3. WATER LINE PRESSURE AND TEMP MUST NOT EXCEED RATED CAPACITY OF RPBA.
4. PROTECT FROM FREEZING WITH POSITIVE HEAT SOURCE AND INSULATION.
5. MIN. RPBA SIZE MUST BE THE BLDG SERVICE LINE SIZE.
6. DO NOT INSTALL IN FLOOD PRONE AREAS.
7. INSTALL WATER HAMMER ARRESTORS & THERMO EXPANSION PROTECTION, AS NECESSARY.
8. METALIC RISER PIPING REQ'D.
9. JOINTS TO BE ADEQUATELY RESTRAINED.
10. DEVIATIONS FROM THESE SPECIFICATIONS MUST HAVE PRIOR WRITTEN APPROVAL FROM THE ADMINISTRATIVE AUTHORITY.

CONSTRUCTION NOTES:

- A. CURB STOP AND BOX.
- B. METER.
- C. SERVICE LINE, NO OUTLETS ALLOWED.
- D. ADEQUATE SLEEVE & INSULATION (MIN. 1" THICK).
- E. MIN. 4" CONCRETE SLAB.
- F. UNIONS OR FLANGED FITTINGS, INSTALLED A MIN. OF 4" ABOVE GRADE.
- G. 30" MAX., 12" MIN. (FROM LOWEST PT. OF ASSEMBLY TO TOP OF CONC. SLAB).
- H. PROVIDE METALIC OR REINF CONC. SUPPORTS ON UNITS >2'.
- I. APPROVED RPBA, AS SHOWN.
- J. PROTECTIVE ENCLOSURE, SEE DWG. 2389 FOR DESIGN CRITERIA.
- K. DRAIN. SIZE DRAIN TO HANDLE FULL DISCHARGE OF RELIEF VALVE. DRAIN TO DAYLIGHT.
- L. BUILDING SERVICE LINE.

REVISIONS	CITY OF ALBUQUERQUE
	WATER REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY (RPBA) DWG. 2385
	12/90



GENERAL NOTES:

1. ALL SERVICE LINES SHALL CONFORM TO THE PLUMBING CODE OF THE CITY OF ALBUQUERQUE.

CONSTRUCTION NOTES:

- A. RIGHT-OF-WAY LINE.
- B. CENTER LINE SERVICE LINE.
- C. MIN. OF AFT. TO 6 FT. FROM INVERT TO TOP OF CURB AT RIGHT-OF-WAY LINE. MIN. DEPTH WILL DEPEND ON THE DEPTH OF THE MAIN SEWER LINE, THE MIX SERVICE LINE SLOPE, THE DEPTH OF THE LOT BEING SERVED, LOCATION OF THE HOUSE ON THE LOT, AND THE GRADE OF THE LOT.
- D. ELECTRONIC MARKER DISC... COLOR CODED GREEN, PLACED ONLY IF SERVICE BOOK-UP IS POSTPONED.
- E. STAMP OR CHISEL 3" SIZE "S" ON TOP OF CURB OVER LOCATION OF SERVICE LINE, MIN. 1/4" DEEP.
- F. CURB AND GUTTER.
- G. 22.5" OR 45" BEND.
- H. CORE DRILLED, USING POWELL QUICK-WAY DRILL SYSTEM, OR PILOT HOLE CUTTER SYSTEM OR APPROVED EQUAL.
- J. SERVICE LINE SHALL NOT PROTRUDE INTO SEWER MAIN. SANITARY SEWER TAPPING TEE, USING FORKHOPE OR GENERAL ENGINEERING CO. SADDLES OR APPROVED EQUAL. DO NOT OVER TIGHTEN SADDLE BOLTS WHICH WOULD PREVENT FREE PASSAGE OF REQUIRED MANHOLE.
- L. SERVICE LINE, (C.I. SOIL PIPE, SERVICE WEIGHT).
- M. PLUG OR CAP.
- N. GROUND LEVEL.
- P. SAME ELEVATION OR HIGHER.
- Q. APPROXIMATELY 6" BUT DEPTH OF BURIAL SHALL NOT BE MORE THAN 6'.
2. BACKFILL UNDER SERVICE WITH MIN. 1 CUBIC FOOT OF P.C. CONCRETE ("BACKCRETE" OR EQUAL ALLOWABLE THIS INSTALLATION).

REVISIONS	CITY OF ALBUQUERQUE
	SEWER SERVICE LINE DETAILS
	11-14-91

KMART Development
Kmart Corporation
3100 West Big Beaver Road
Troy, MI 48064-3163

PREPARED BY:

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4630 WEST JACQUELYN AVENUE SUITE 100 FRESNO, CA 93722
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PRIVATE AGENCY/OWNER REVISION BLOCK:			
No.	Date:	Description of Revision and/or Addenda	Reference Affected Sheet
	03/27/01	ISSUED FOR CITY REVIEW	ALL SHEETS
	05/18/01	ISSUED FOR BIDS	ALL SHEETS

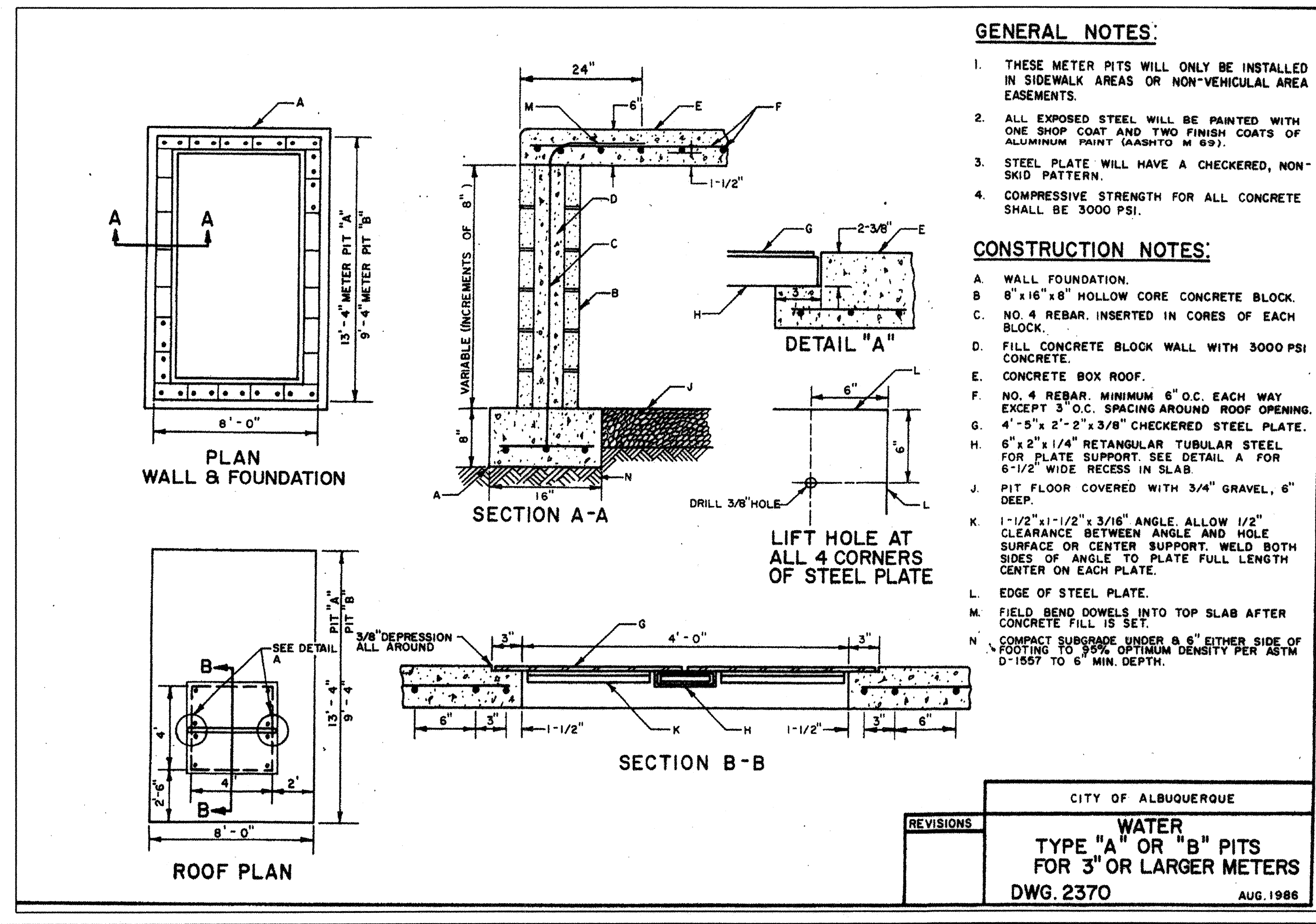
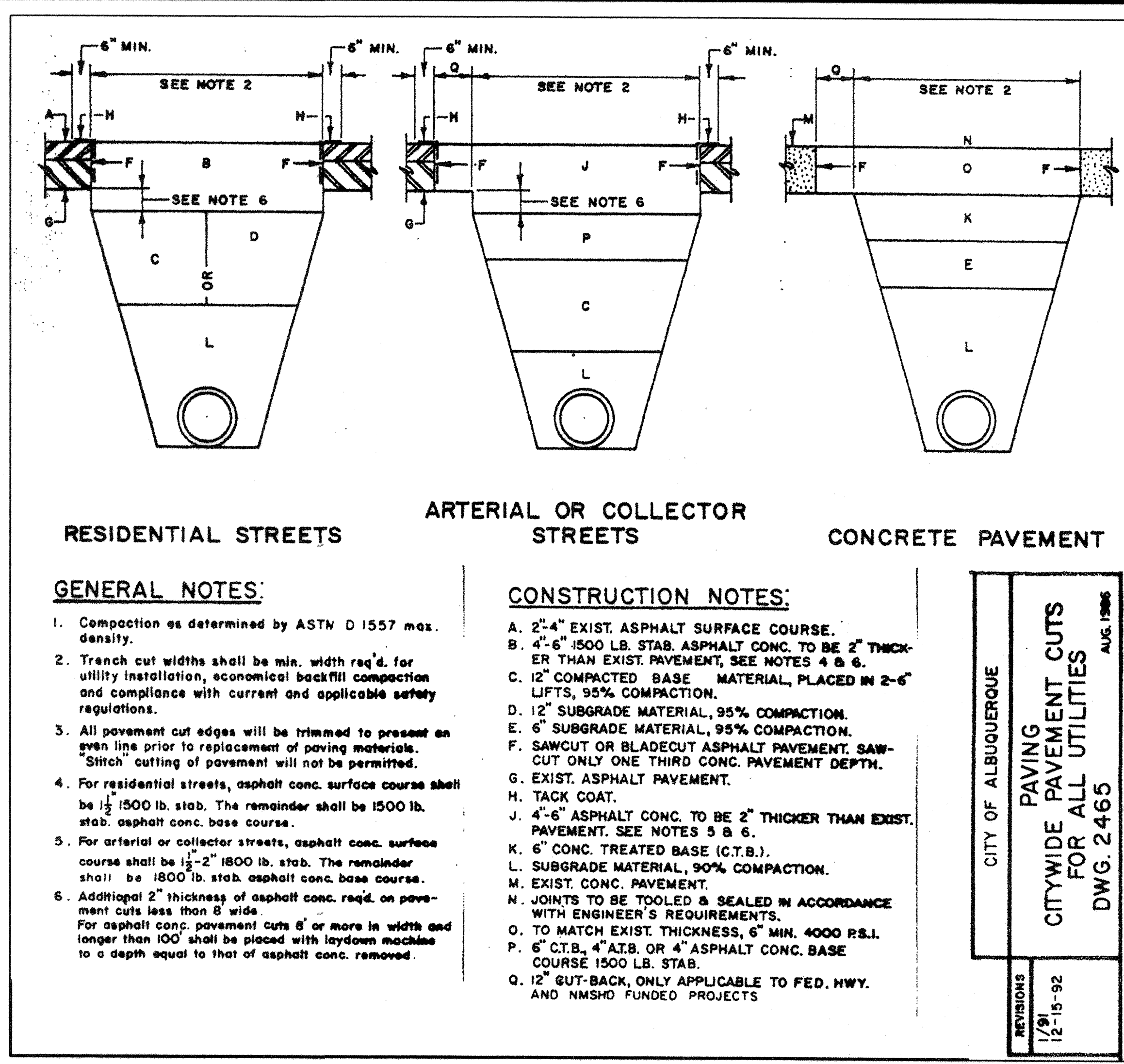
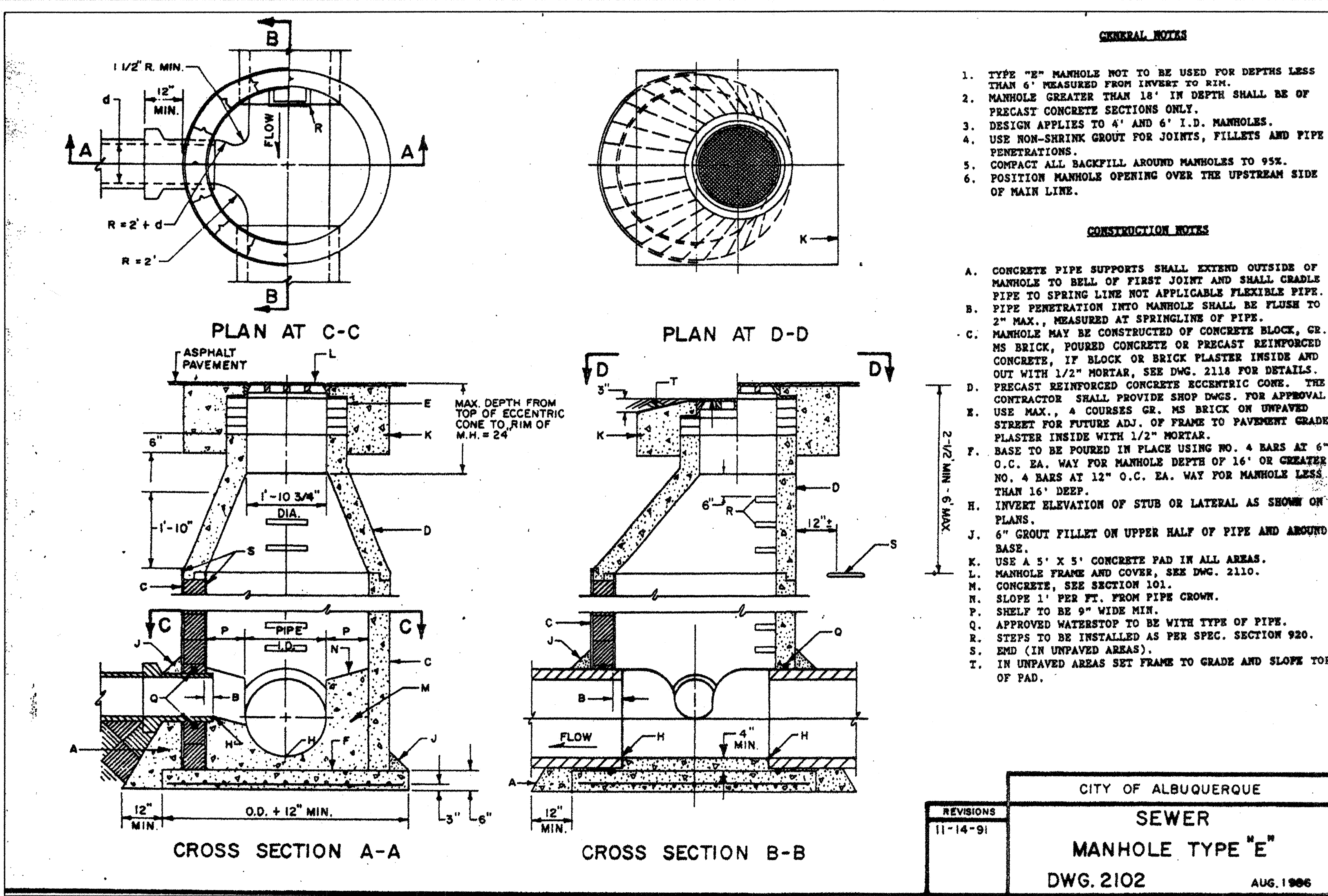
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUPER KMART #4136 EXPANSION
PHASE I
CONSTRUCTION STANDARDS AND DETAILS

Design Review Committee:
City Engineer Approval:
City Project No. 665981
Zone Map No. H-17
Sheet 13 of 16

03-20-01
05-08-01
05-18-01
06-15-01

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUPER KMART #4136 EXPANSION
PHASE I
CONSTRUCTION STANDARDS AND DETAILS

Design Review Committee City Engineer Approval
OCT - 8 2001
CITY ENGINEER

City Project No. 665981 Zone Map No. H-17 Sheet 14 Of 16

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION 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 WITH 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 TRAVELED 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 LETTERING 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 OCCUPYING 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.

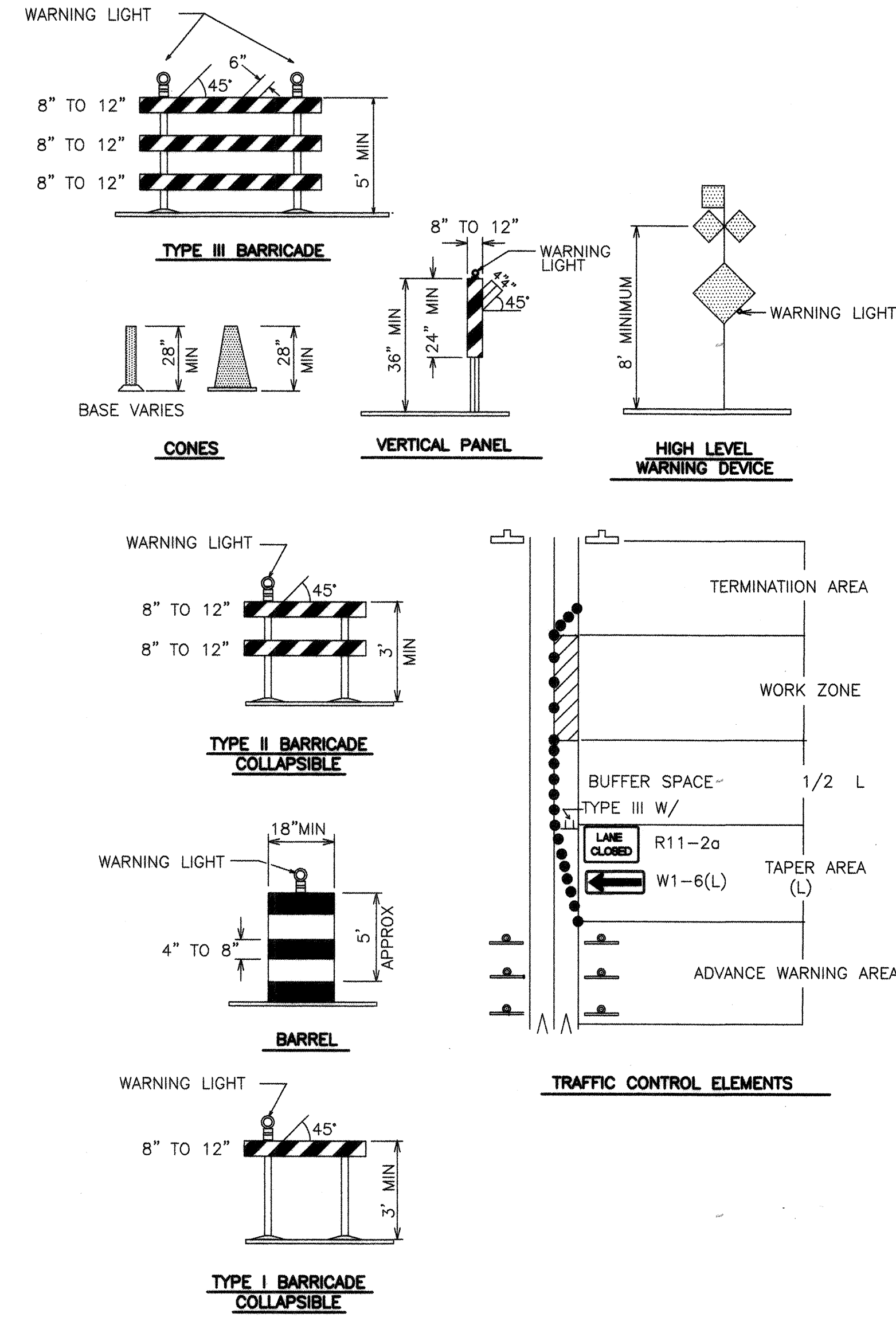
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

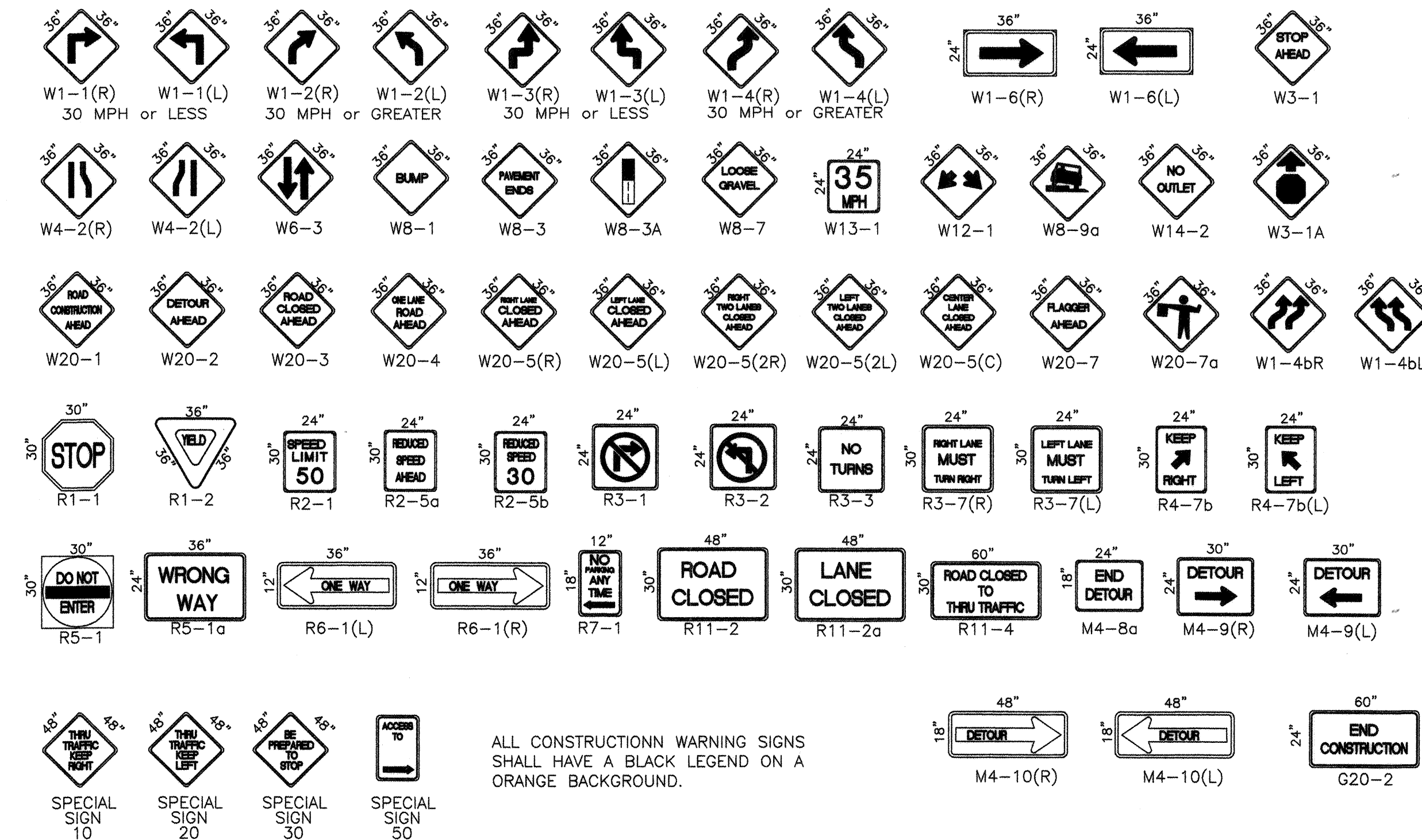
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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.



SIGN FACE DETAILS



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

LEGEND

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

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

TAPER REQUIREMENT

SPEED LIMIT (MPH)	TAPER LENGTH(L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	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 LIMIT (MPH)	MINIMUM DISTANCE 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

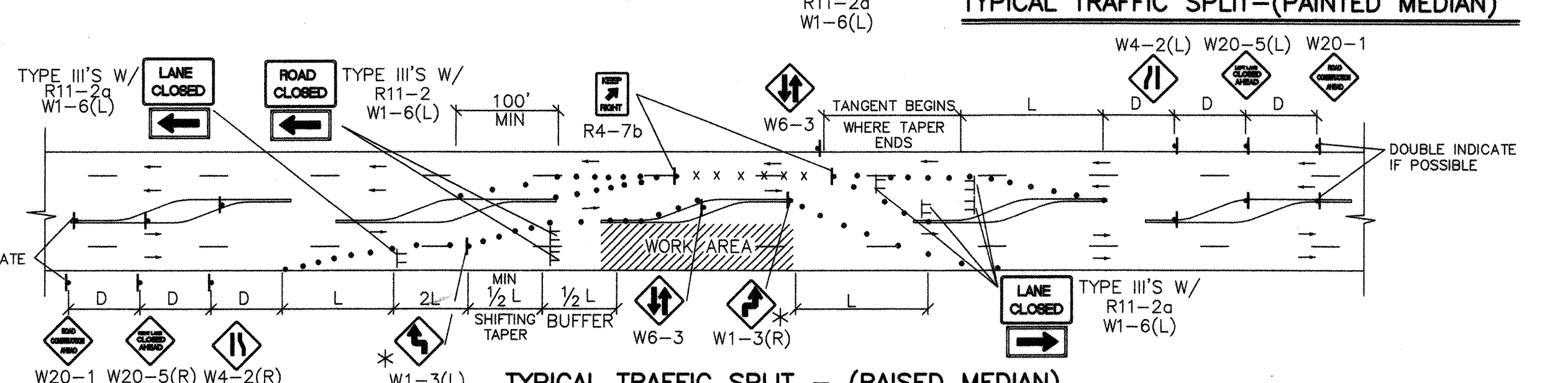
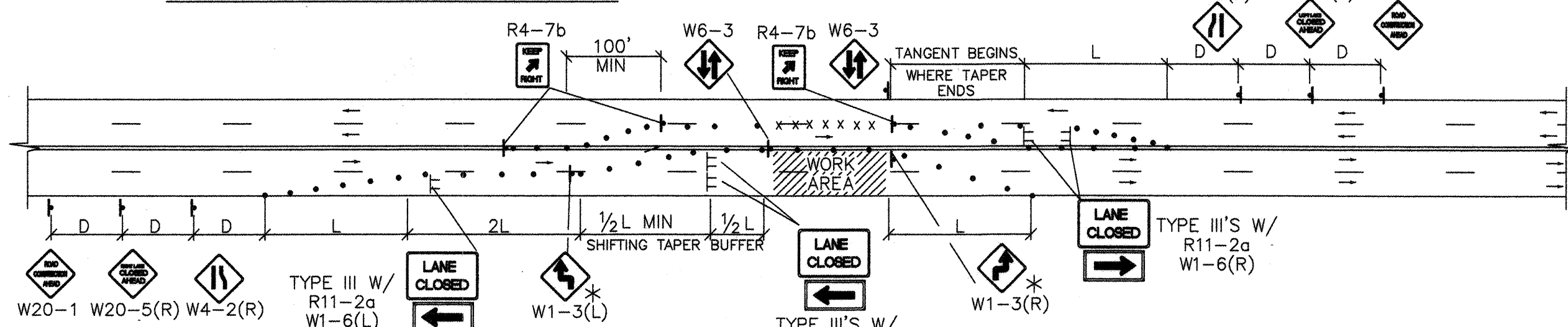
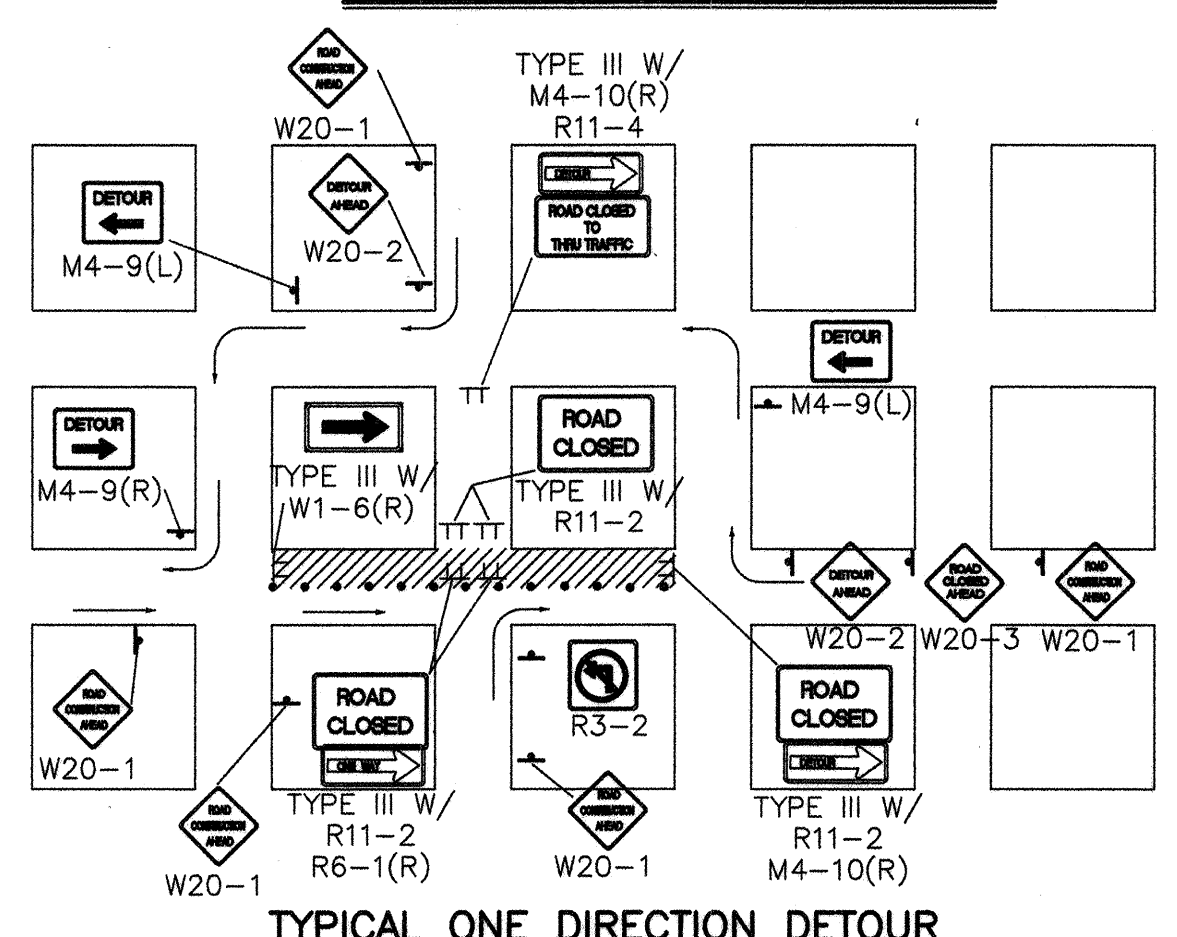
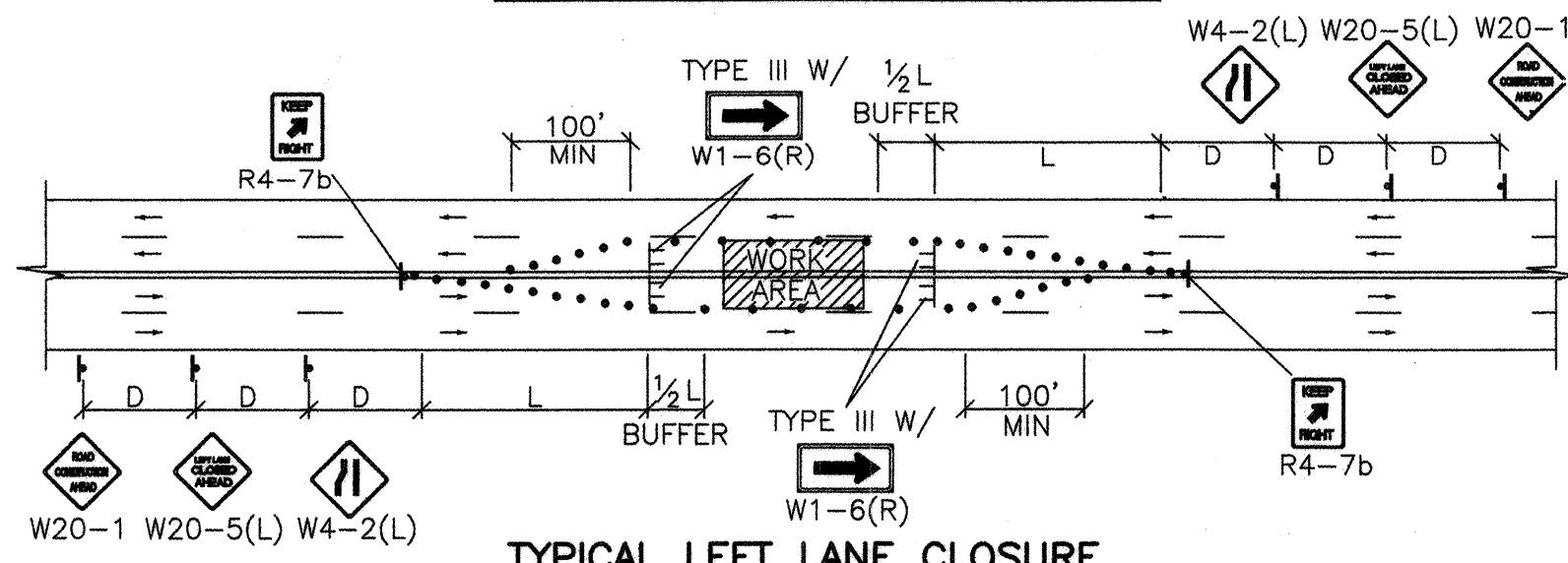
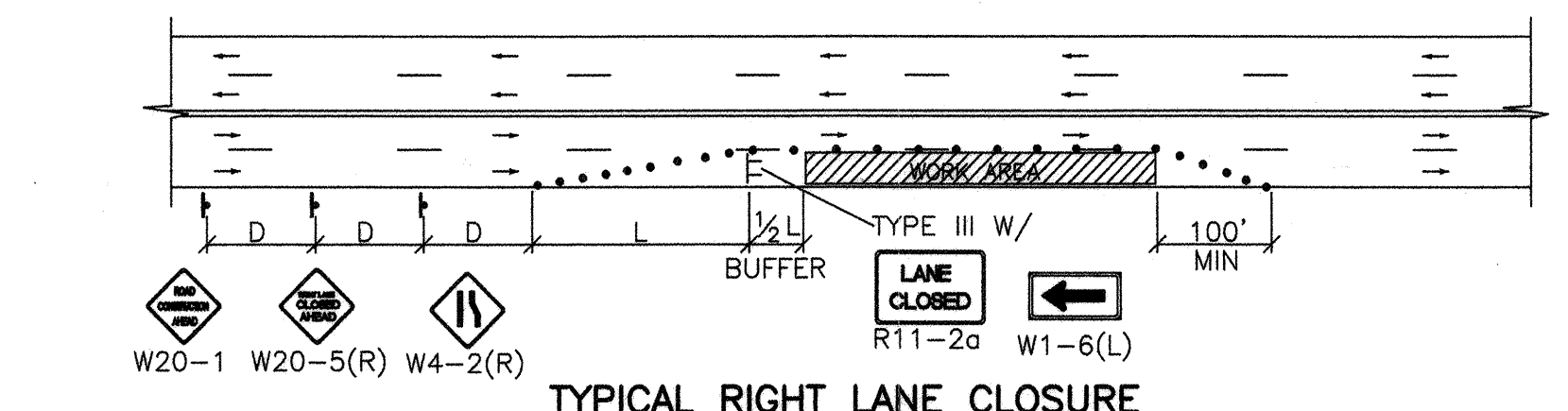
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTEAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

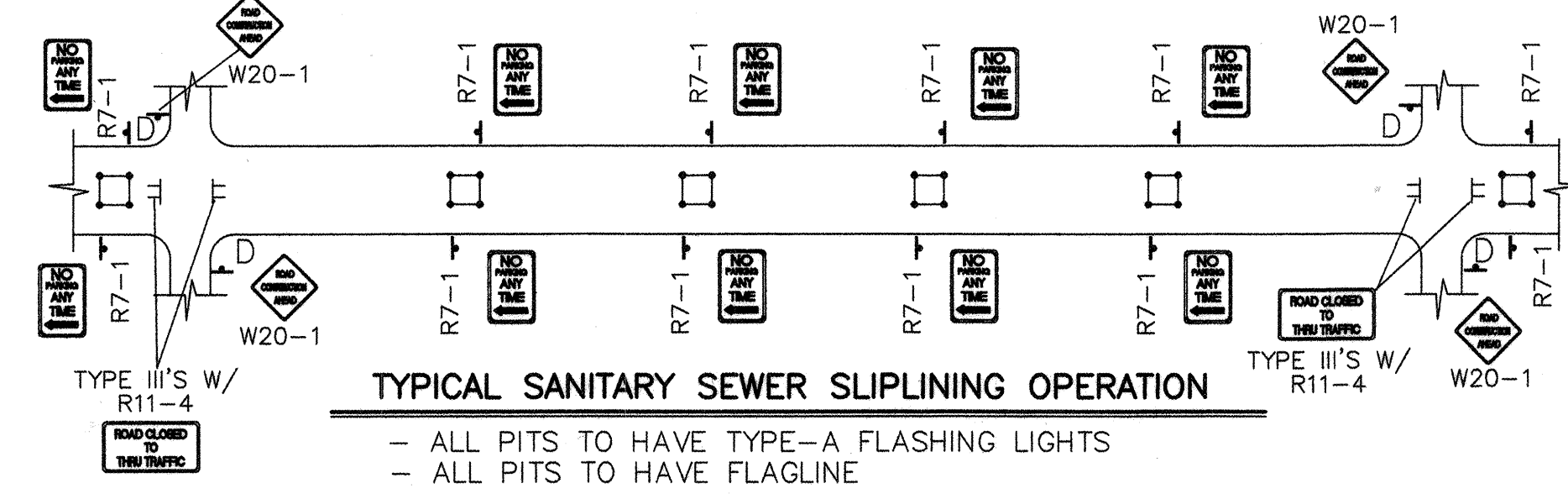
SPEED LIMIT
40 MPH OR LESS L = WS² / 60
40 MPH OR GREATER L = W X S
L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

FOR INFORMATION ONLY

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS			
DESIGN REVIEW COMMITTEE COA STD	CITY ENGINEER APPROVAL COA STD	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 665981		ZONE MAP NO. H-17	SHEET 15 OF 16



- TRAFFIC SPLIT NOTES:**
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
 5. REDUCED SPEED MAY BE CONSIDERED.
 6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.

