

SCANNED BY  
PLANNING

## GENERAL CONSTRUCTION NOTES

THESE NOTES APPLY TO ALL PHASES OF THE WORK EXCEPT TRAFFIC CONTROL AND PAVEMENT CUT AND PATCH OPERATIONS.

- 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 THROUGH MOST RECENT UPDATE AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.
- WARNING - THE ENGINEER HAS UNDERTAKEN NO VERIFICATION OF THE EXISTENCE, LOCATION, SIZE, DEPTH, OR TYPE OF UNDERGROUND UTILITY WITHIN THE CONSTRUCTION AREA AND MAKES NO REPRESENTATION PERTAINING TO THESE UTILITIES. THE UTILITIES THAT HAVE BEEN SHOWN ARE BASED ON AVAILABLE INFORMATION FROM THE OWNER, UTILITY COMPANIES, GOVERNING AGENCY, OR OTHERS. THIS INFORMATION MAY BE INCOMPLETE, INACCURATE, OR OBSOLETE. THE CONTRACTOR SHALL CONTACT THE LINE LOCATION SERVICE AT 1-800-321-2537 AT LEAST TWO (2) FULL WORKING DAYS PRIOR TO START OF CONSTRUCTION TO HAVE THE UTILITIES SPOTTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING THE EXISTING UTILITIES THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY UTILITIES DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE GOVERNING AUTHORITIES HAVING JURISDICTION OVER THE UTILITY THAT HAS BEEN DAMAGED.
- TRAFFIC CONTROL: SHALL BE PERMITTED BY BERNALILLO COUNTY PER THE GENERAL NOTES BELOW.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL EXISTING MONUMENTATION CONTROLS. IN THE EVENT OF INADVERTENT DESTRUCTION OR ALTERATION THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE CITY SURVEYOR.
- ALL ROADWAY STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTIVE PAVEMENT MARKING BY THE CONTRACTOR AT THE ORIGINAL LOCATION OR AS INDICATED BY THIS PLAN SET.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- 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 THE IMPLEMENTATION OF THE SWPPP.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING BUT NOT LIMITED TO THE HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.
- THE CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. THE 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.

## BERNALILLO COUNTY GENERAL NOTES

THESE NOTES APPLY ONLY TO TRAFFIC CONTROL AND PAVEMENT CUT AND PATCHING OPERATIONS.

- INSPECTION BY BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT IS REQUIRED. CONTRACTOR MUST OBTAIN PERMITS AT BERNALILLO COUNTY PUBLIC WORKS DIVISION. PHONE 848-1500.
- ANY PAVEMENT REQUIRING REPAIR OR REPLACEMENT SHALL BE SAW CUT THE ENTIRE DEPTH OF THE ASPHALT. SAW CUT PAVEMENT SHALL BE A MINIMUM OF TWO FEET WIDER THAN THE TRENCH SECTION ON EACH SIDE.
- ANY CONCRETE REQUIRING REPAIR OR REPLACEMENT MUST BE SAW CUT A MINIMUM OF 2/3 THE DEPTH OF THE SLAB. SAW CUT PROFILE CONCRETE (CURB AND GUTTER) COMPLETELY OR REMOVE CONCRETE TO THE NEAREST STONE OR CONSTRUCTION JOINT.
- PRIOR TO REPLACING ANY PAVEMENT OR CONCRETE, CONTRACTOR SHALL COORDINATE WITH BERNALILLO COUNTY TO HAVE A COUNTY INSPECTOR VERIFY THE EXISTING THICKNESS. THE REPLACEMENT PAVEMENT SECTION SHALL EQUAL OR EXCEED THE THICKNESS AND QUALITY OF THE EXISTING PAVEMENT.
- ALL ASPHALT, CURB AND GUTTER, SIDEWALK, OR ANY OTHER PUBLIC OR PRIVATE INFRASTRUCTURE COMPONENT DAMAGED BY CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE EVIDENCE OF PRIOR CONDITION IN THE EVENT OF A DISPUTE.
- BARRICADING AND CONSTRUCTION PERMITS MUST BE OBTAINED FROM BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION EFFORTS.
- THE CONSTRUCTION PROCESS AND THE COMPLETED CONSTRUCTION SHALL IN NO WAY ALTER ANY EXISTING DRAINAGE PATTERNS AND MUST NOT IMPACT SURROUNDING PROPERTIES.
- 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. THE CONTRACTOR SHALL CONTACT BCPWD (848-1500) TO REQUEST AN INSPECTION TO VERIFY PAVEMENT THICKNESS.

# ABREVADERO ADDITION

## BERNALILLO COUNTY, NM IMPROVEMENTS FOR, PAVING, WATER, AND SANITARY SEWER

### INDEX TO DRAWINGS

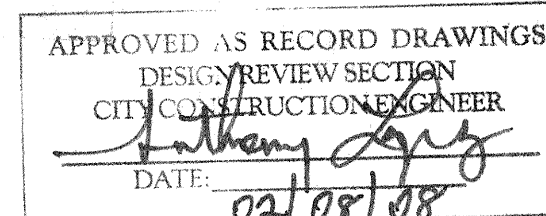
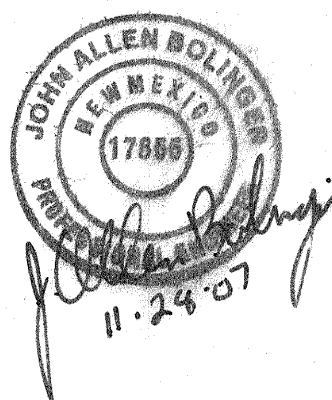
SHEET NO.	DESCRIPTION
1	COVER SHEET AND INDEX TO DRAWINGS
2	PLAT
3	GRADING AND DRAINAGE PLAN
4	PAVING PLAN AND PROFILE
5	UTILITY PLAN AND PROFILE
6	BERNALILLO COUNTY TRAFFIC CONTROL
7	BERNALILLO COUNTY TRAFFIC CONTROL

### LEGEND

---	PROPERTY LINE	---	PROPOSED PRIVATE GRAVEL ROAD
---	EASEMENT (SEE PLAT)	---	PROPOSED FIRE HYDRANT
---	EXISTING WALL	---	PROPOSED WATER VALVE
---	PROPOSED SWALE	---	PROPOSED SANITARY SEWER LINE
---	EX SAS MANHOLE	---	EX SANITARY SEWER LINE
---	PROPOSED SAS MANHOLE	---	PROPOSED WATER LINE
---	PROPOSED WATER METER	---	EX WATER LINE
---	PROPOSED SANITARY SEWER SERVICE		

### RECORD DRAWINGS

I, J. Allen Bolinger of the firm of Smith Engineering Company, a Registered Professional Engineer in the State of New Mexico, do hereby state that to the best of my knowledge and belief, the infrastructure for this project as shown on the plans has been constructed in general accordance with the project plans and in general accordance with the City of Albuquerque Standard Specifications for Public Works Construction (including all updates), and that the general intent of the plans has been met except as noted on the as-built construction drawings. The infrastructure construction has been observed by a qualified person from Smith Engineering Company and this statement covers infrastructure installation that was observed while a representative from Smith Engineering was on site. This statement is based on site observations by Smith Engineering Company personnel and on as-built information provided to Smith Engineering Company WILLIAM G. BOLINGER (Surveyor's name), NMPS number 15702 (PSR).



BEAM  
DESIGNS

855 POLARIS BLVD., SE  
RIO RANCHO, NM 87124  
PHONE (505) 896-0391  
FAX (505) 994-3952  
beamdesigns@quest.net

## CITY OF ALBUQUERQUE GENERAL NOTES

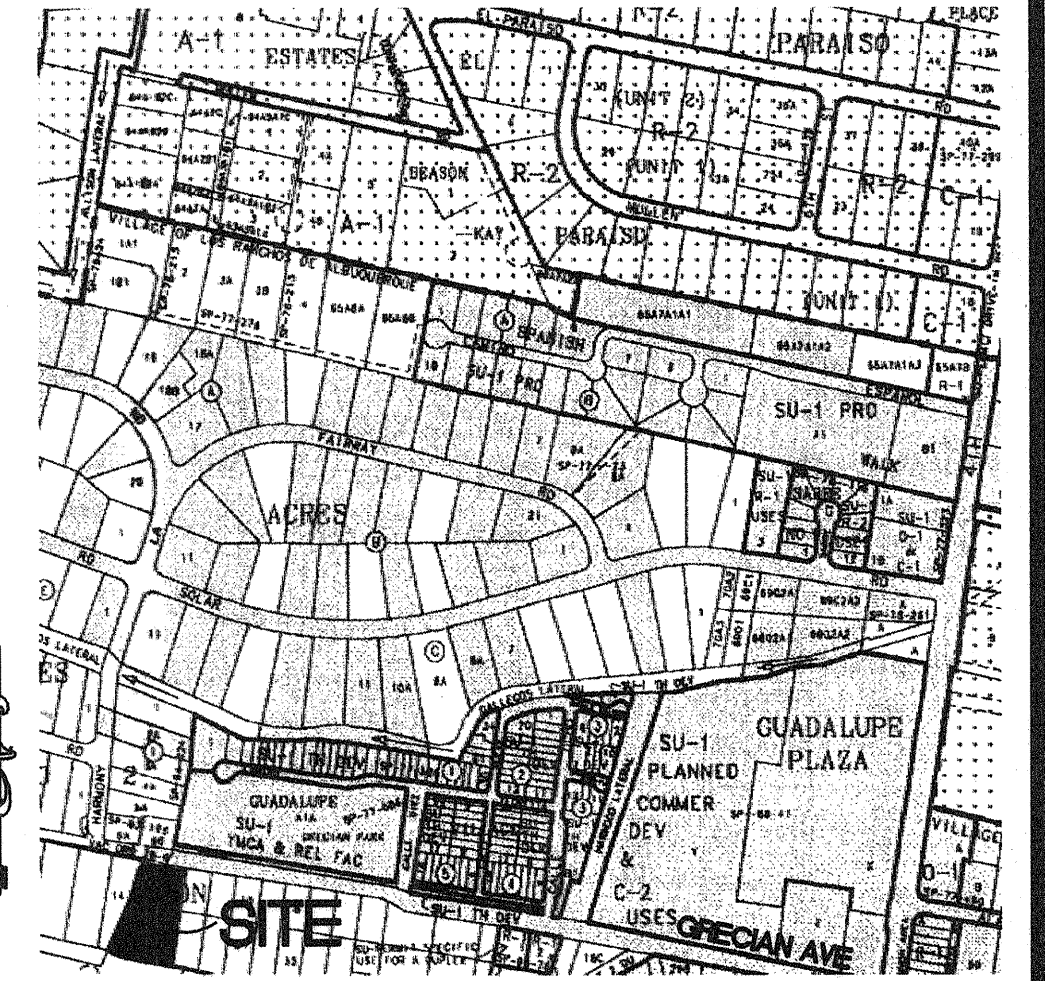
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7 INCLUDING AMENDMENT 1.
- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION (IF REQUIRED BY CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH).
- PERMIT REQUESTS MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER PROJECTS IN THE AREA.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS 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 STANDARD SPECIFICATIONS SECTION 4.4.
- CONTRACTOR SHALL COORDINATE WITH WATER SYSTEMS DIVISION (857-8200) FIVE (5) WORKING DAYS PRIOR TO ANY WORK THAT MAY AFFECT EXISTING CITY PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. EXISTING CITY VALVES TO BE OPERATED BY CITY PERSONNEL ONLY.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL DETERMINE IN ADVANCE OF HIS CONSTRUCTION IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF CONTRACTOR.
- PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES AND/OR OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- EXISTING UTILITY LINE LOCATION ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.
- THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES.
- CONTRACTOR SHALL SUPPORT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH, BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWER LINE COSTS.

PRIVATE STREETS REQUIRE STREET NAME SIGNS, STOP SIGNS, AND ANY NECESSARY STRIPING (DEVELOPER'S RESPONSIBILITY)

### RECORD DRAWING CONSTRUCTION APPROVALS:

T. Bolinger 7/20/06  
BERNALILLO COUNTY PUBLIC WORKS DIVISION DATE

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
		ENGINEER'S SEAL	APPROVALS	ENGINEER	DATE		
			DRC CHAIRMAN	<u>William G. Bolinger</u>	7/27/06		
			TRANSPORTATION	<u>William G. Bolinger</u>	7/27/06		
			WATER/WASTEWATER	<u>William G. Bolinger</u>	7/27/06		
			HYDROLOGY	<u>William G. Bolinger</u>	7/27/06		
			PARKS				
			CONSTR. MANAGER				
			PROJECT NO.	787481	PWCO 60020		
						SHEET 1 OF 7	



VICINITY MAP

ZONE ATLAS  
E-14

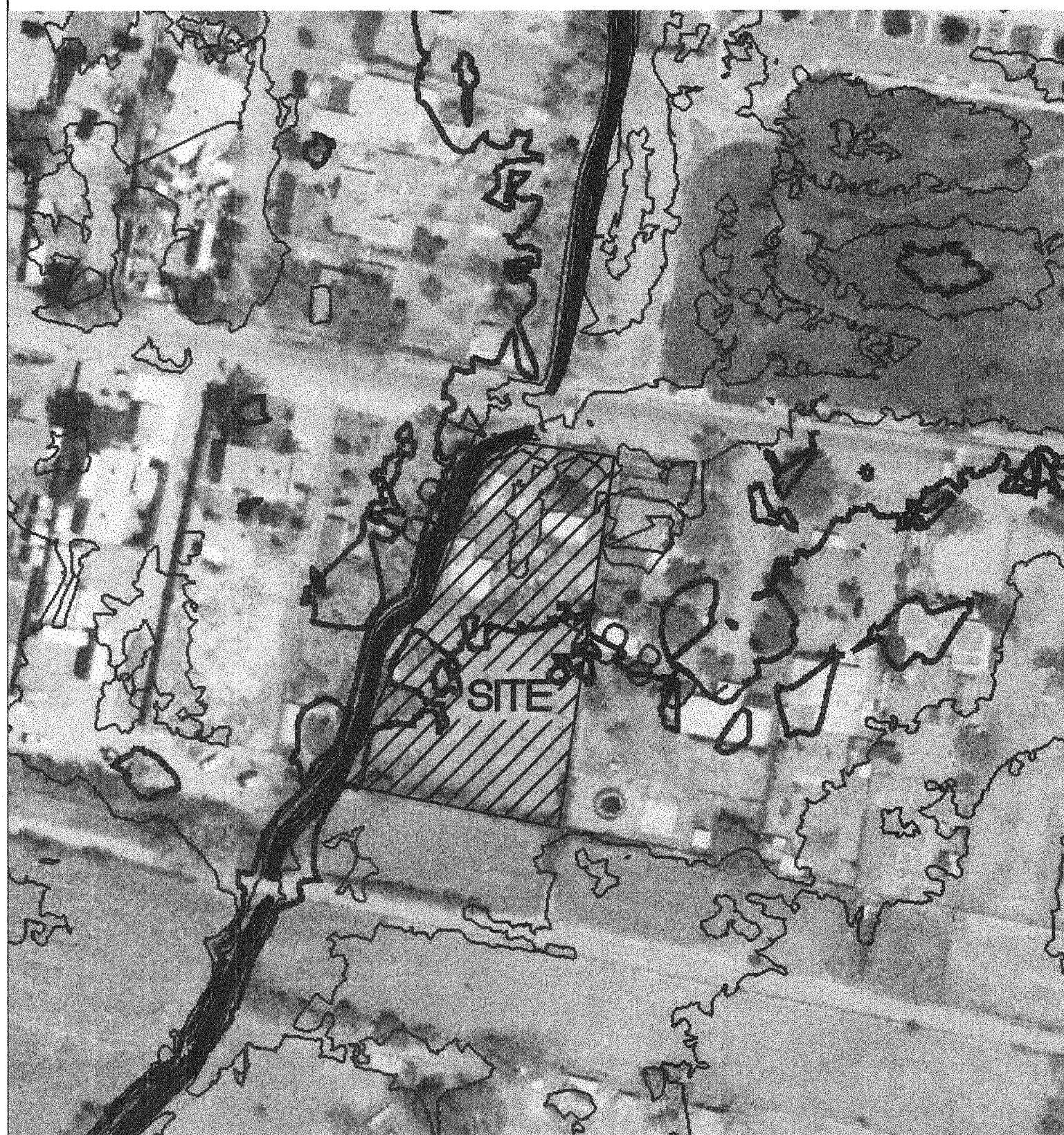
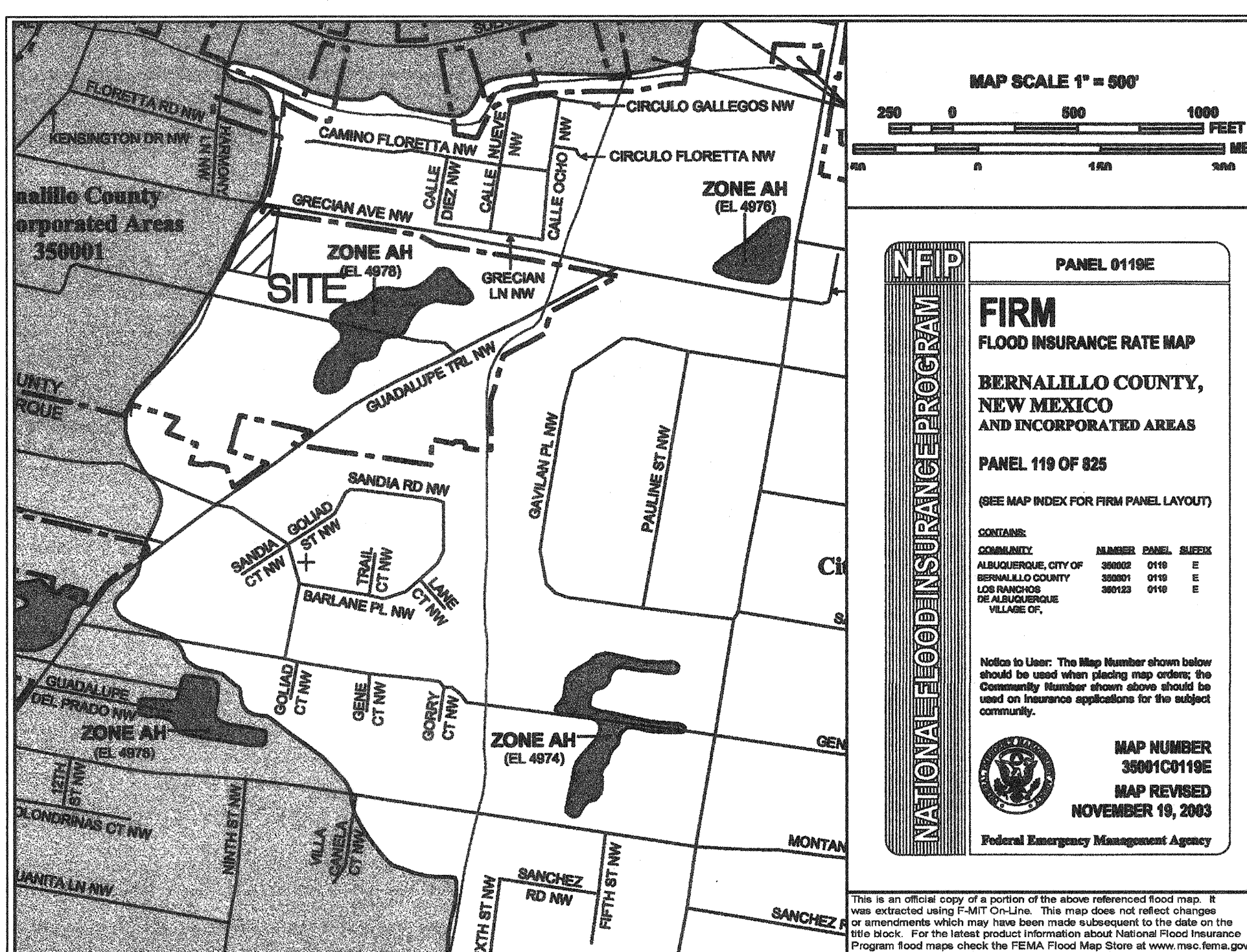
- CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED AT A MAXIMUM OF EVERY FIFTEEN (15) FEET. CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2315.
- CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
- REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL IN AN ENVIRONMENTALLY ACCEPTABLE MANNER AT A LOCATION ACCEPTABLE TO THE PROJECT MANAGER. THERE WILL BE NO DIRECT COMPENSATION FOR THIS WORK.
- CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC.
- ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) HOURS OF CONSTRUCTION.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
- WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAW CUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE FIELD ENGINEER. REMOVAL OF BROKEN OR CRACKED PAVEMENT WILL ALSO BE REQUIRED.
- REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK SHALL BE TO THE NEAREST JOINT OR SAW CUT.
- AT HIS OWN EXPENSE, CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER STANDARD SPECIFICATIONS.
- ALL STREET STRIPINGS, ALTERED OR DESTROYED, SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- ELECTRONIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7.

CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY.









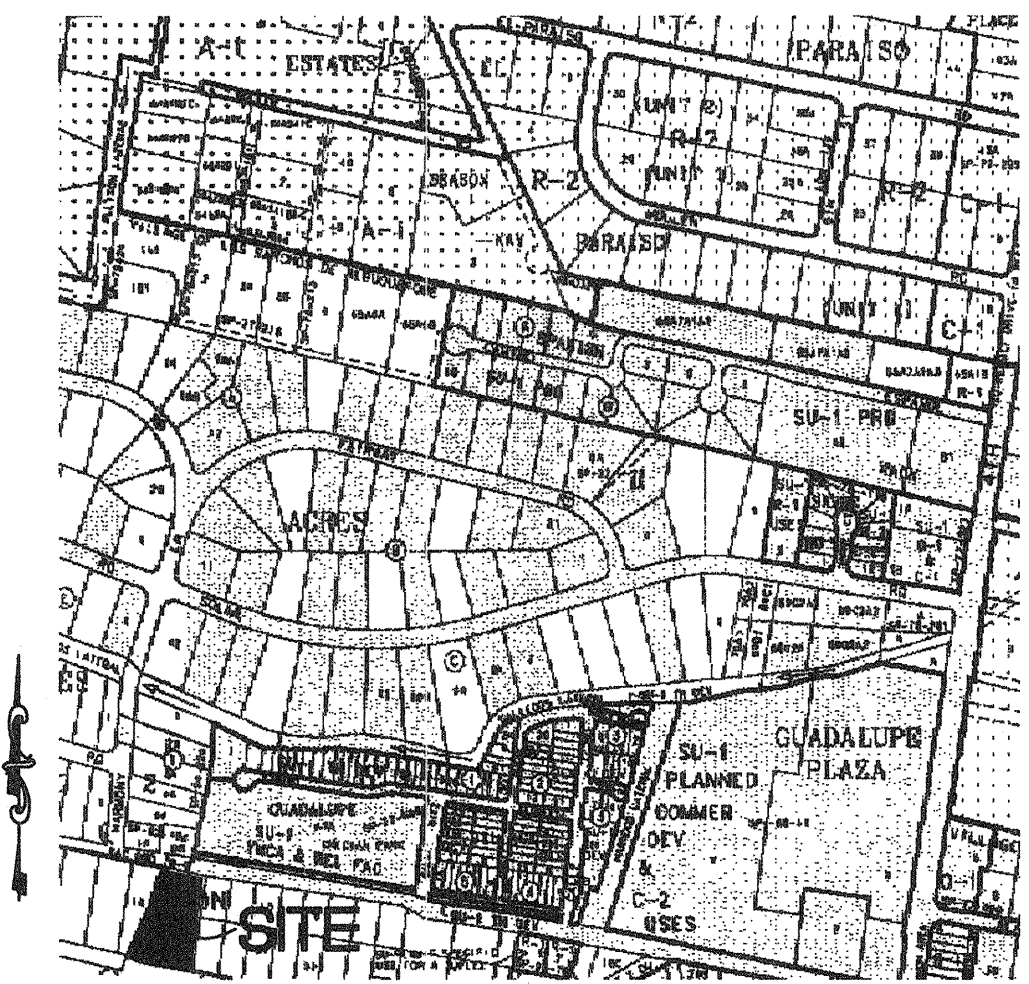
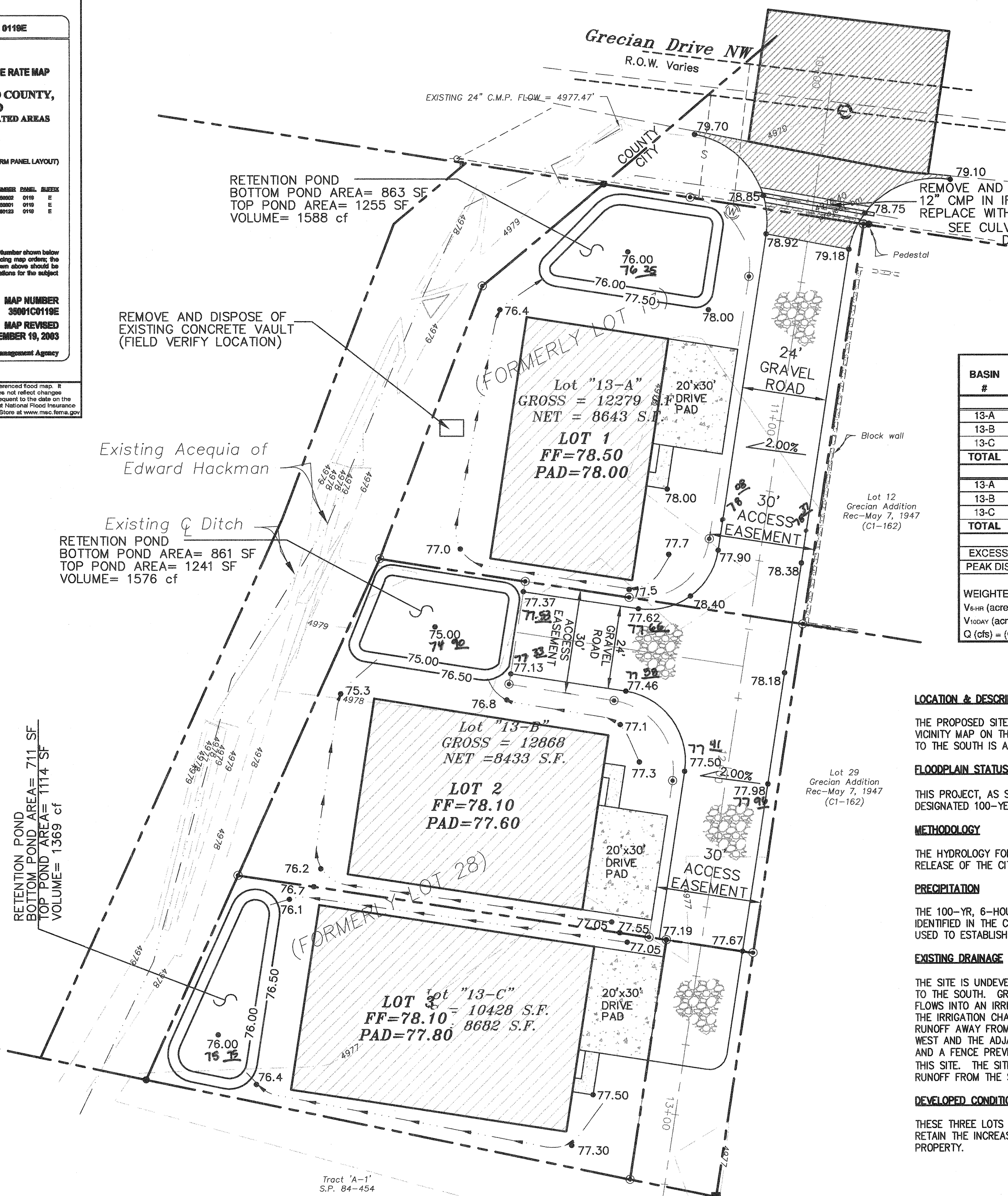
AREA ORTHOPHOTO WITH CONTOURS (nts)

1. CHRISTOPHER A. MEDINA, N.M.E.L.S. NO. 15702, DO HEREBY  
CERTIFY THAT THE AS-BUILT INFORMATION SHOWN AND  
THE ACTUAL SURVEY WHICH IT WAS DERIVED FROM WAS  
PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION  
AND THAT THE INFORMATION SHOWN IS TRUE AND  
CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Christopher A. Medina* 9/17/07  
\_\_\_\_\_  
CHRISTOPHER A. MEDINA, N.M.E.L.S. NO. 15702 DATE

I HAVE PERSONALLY INSPECTED THIS SITE AND IT APPEARS THAT NO GRADING, FILLING, OR EXCAVATION HAS OCCURRED SINCE THIS CONTOUR MAP WAS PREPARED.

Billy O McCarty      05-16-06  
BILLY O. MCCARTY, P.E.      DATE



## VICINITY MAP

## DRAINAGE INFORMATION

LOCATION & DESCRIPTION

THE PROPOSED SITE IS 0.82 ACRES LOCATED ON THE SOUTH SIDE OF GRECIAN DRIVE AND WEST OF 4TH STREET AS SEEN ON THE VICINITY MAP ON THIS SHEET. THE LOT IS UNDEVELOPED WITH DEVELOPED LOTS NORTH, EAST AND WEST OF IT. THE PROPERTY TO THE SOUTH IS AN IRRIGATED FIELD. THE PROPERTY IS CURRENTLY 2 LOTS AND WILL BE SUBDIVIDED INTO 3 RESIDENTIAL LOTS.

### FLOODPLAIN STATUS

THIS PROJECT, AS SHOWN ON FEMA'S FLOOD INSURANCE RATE MAP 35001C0119 E, DATED NOVEMBER 19, 2003 IS NOT WITHIN ANY DESIGNATED 100-YEAR FLOODPLAIN.

## METHODOLOGY

THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING THE QUICK CALCULATION METHOD AS DOCUMENTED IN THE JUNE 1997 RELEASE OF THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2.

### PRECIPITATION

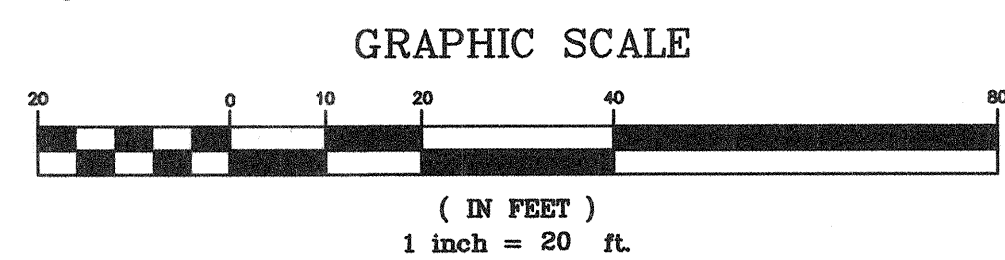
THE 100-YR, 6-HOUR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 2 AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2. TABLES WITHIN THIS SECTION WERE USED TO ESTABLISH THE 1-HOUR, 6-HOUR PRECIPITATION, AND 24-HOUR PRECIPITATION.

### EXISTING DRAINAGE

THE SITE IS UNDEVELOPED AS DESCRIBED ABOVE IN "LOCATION AND DESCRIPTION." THE SITE IS VERY FLAT WITH A SLIGHT SLOPE TO THE SOUTH. GRECIAN AVENUE IS A PAVED STREET WITH CURB AND GUTTER ON THE NORTH SIDE. THE SOUTH SIDE SHEET FLOWS INTO AN IRRIGATION DITCH. THERE IS A HIGH POINT AT THE WEST EDGE OF THE SITE WHERE GRECIAN AVENUE CROSSED THE IRRIGATION CHANNEL. THEREFORE, THE DITCH ALONG THE FRONTAGE HAS SUFFICIENT CAPACITY TO CONVEY THE STREET RUNOFF AWAY FROM THE SITE. THE FIELD TO THE SOUTH IS LOWER THAN THIS SITE. THERE IS AN IRRIGATION CHANNEL TO THE WEST OF THE PROPERTY TO THE WEST IS LOWER THAN THE SITE. EXISTING GRASS GROWS ALONG THE EAST PROPERTY LINE AND A FENCE PREVENT RUNOFF FROM ENTERING THE SITE FROM THE EAST. THEREFORE, THERE IS NO OFFSITE RUNOFF ENTERING THIS SITE. THE SITE WAS ANALYZED AS 100% UNDEVELOPED (TYPE 'A' LAND TREATMENT) TO DETERMINE THE UNDEVELOPED RUNOFF FROM THE SITE.

DEVELOPED CONDITION

THESE THREE LOTS WILL BE DEVELOPED WITH INDIVIDUAL LOT RETENTION PONDS. THE POND FOR EACH LOT HAS BEEN SIZED TO RETAIN THE INCREASE IN THE 100-YEAR STORM EVENT. THEREFORE, THERE WILL BE NEGLIGIBLE IMPACT ON THE SURROUNDING PROPERTY.



**BUILDING  
ENGINEERING  
AND  
MUNICIPAL  
DESIGNS**

**BEAM**

855 POLARIS BLVD., SE  
RIO RANCHO, NM 87124  
PHONE (505) 896-0391  
FAX (505) 994-3952  
beamdesigns@qwest.net

**RECORD DRAWING**

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

TITLE: ABREVADERO ADDITION  
GRADING AND DRAINAGE PLAN  
PWC0 60020

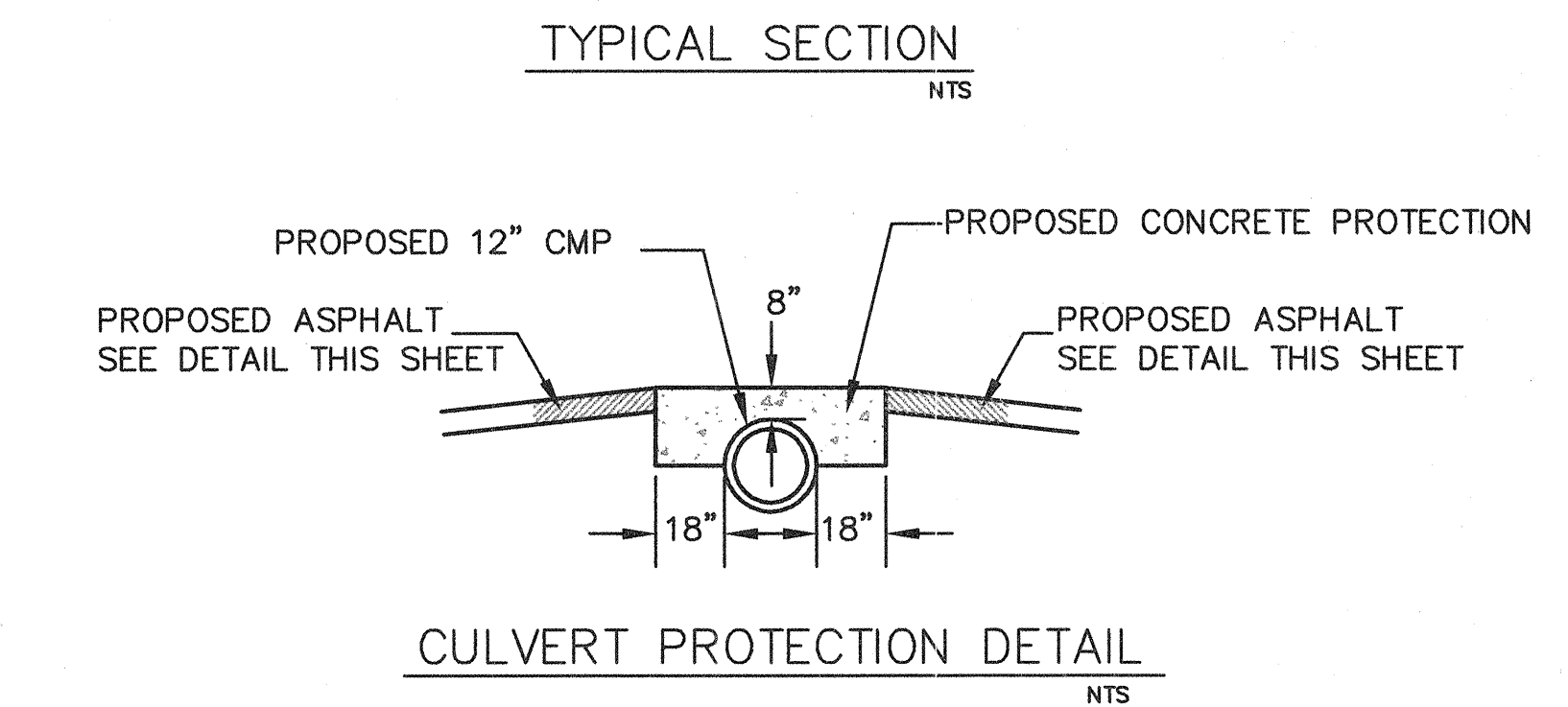
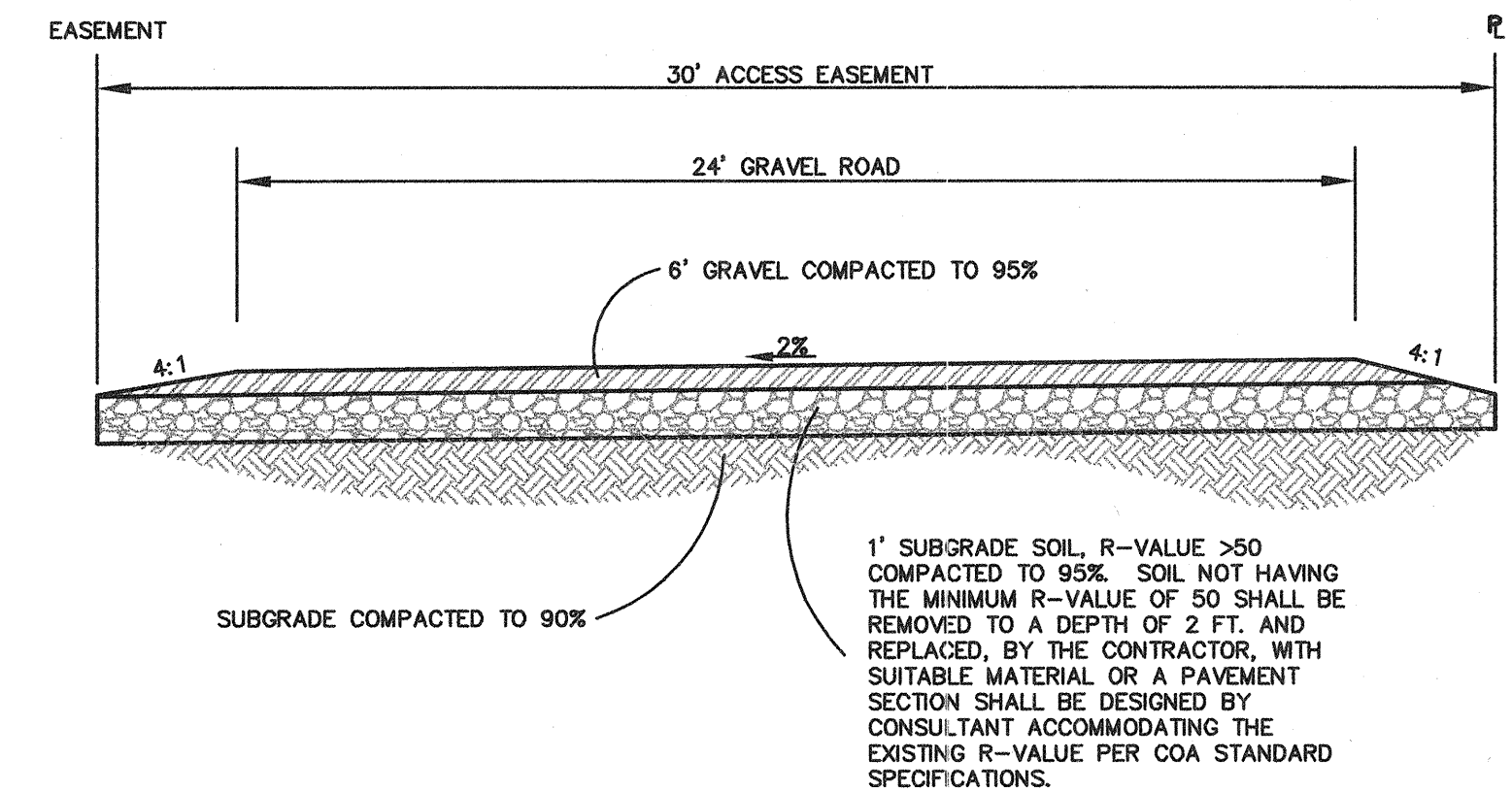
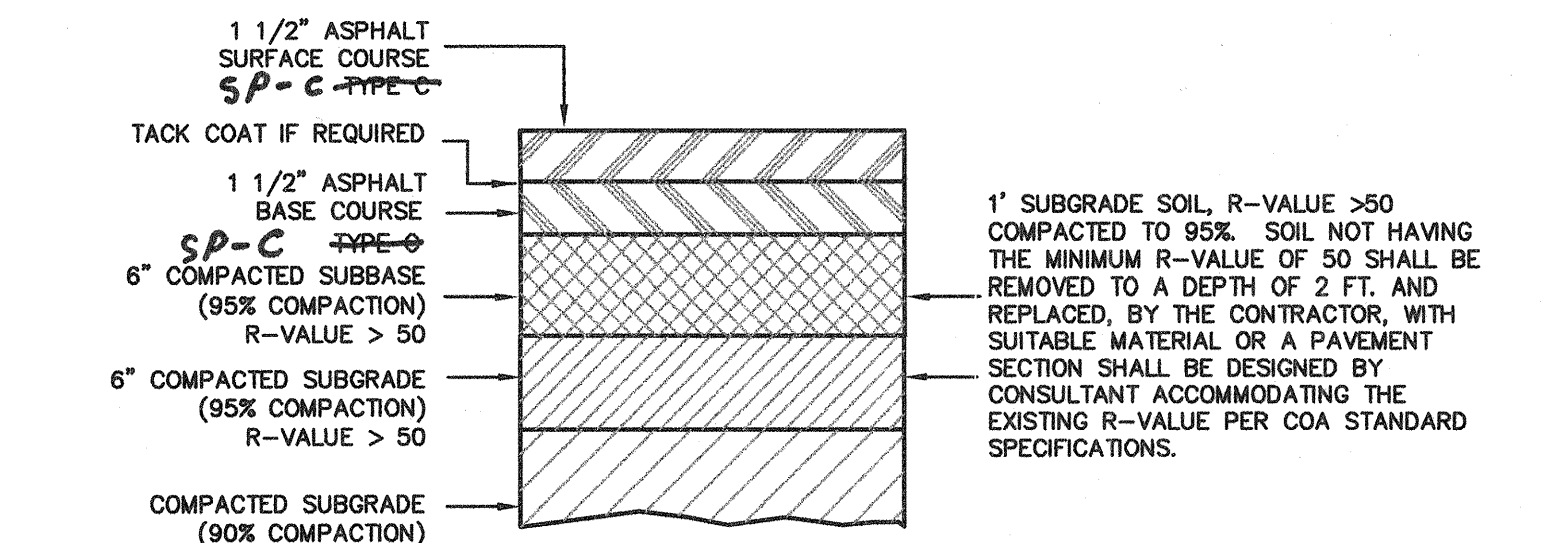
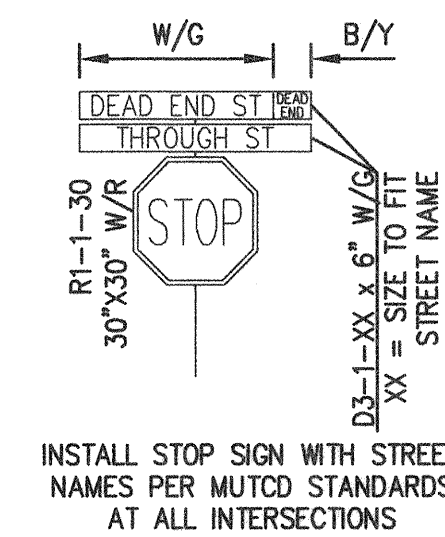
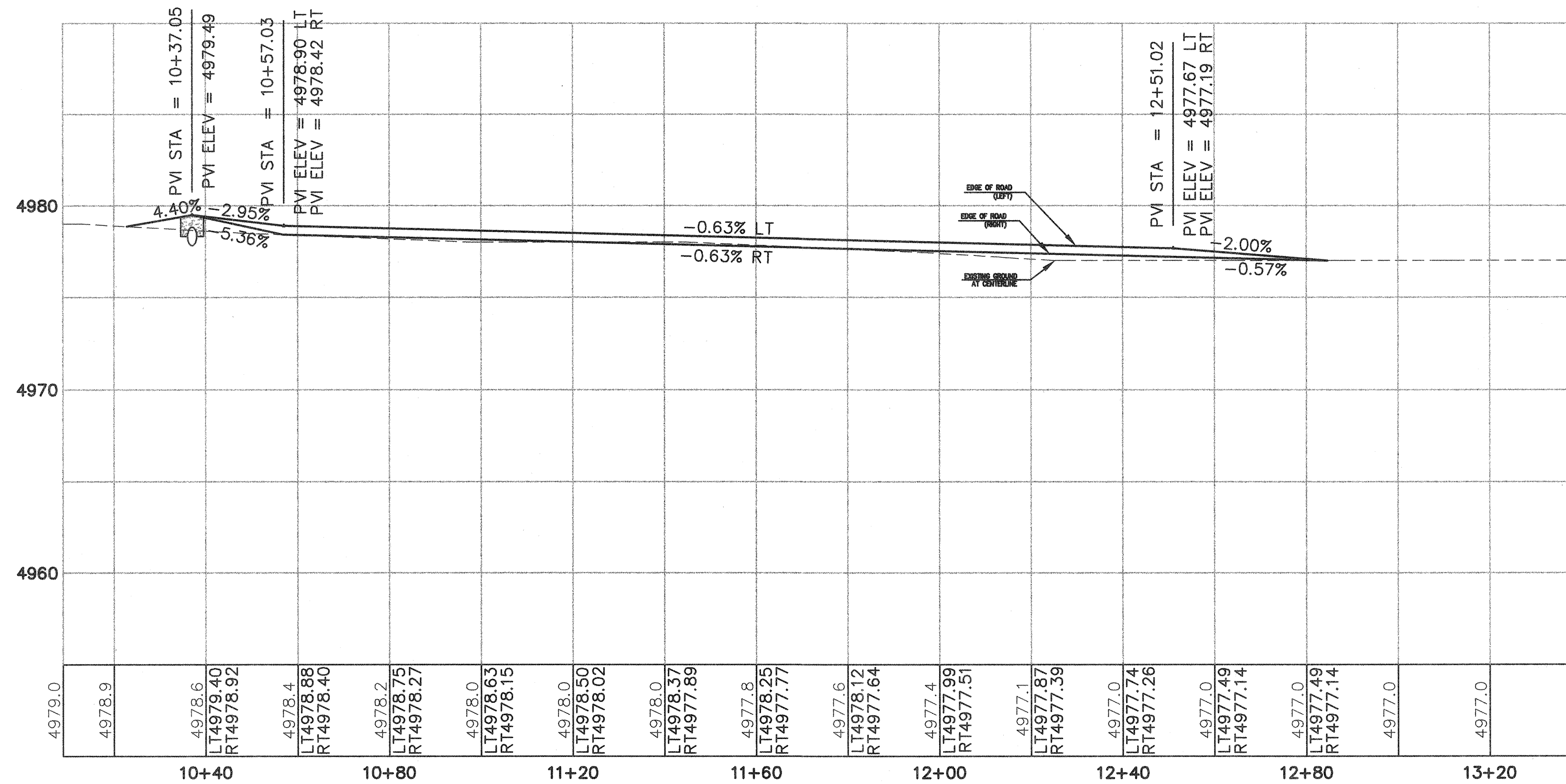
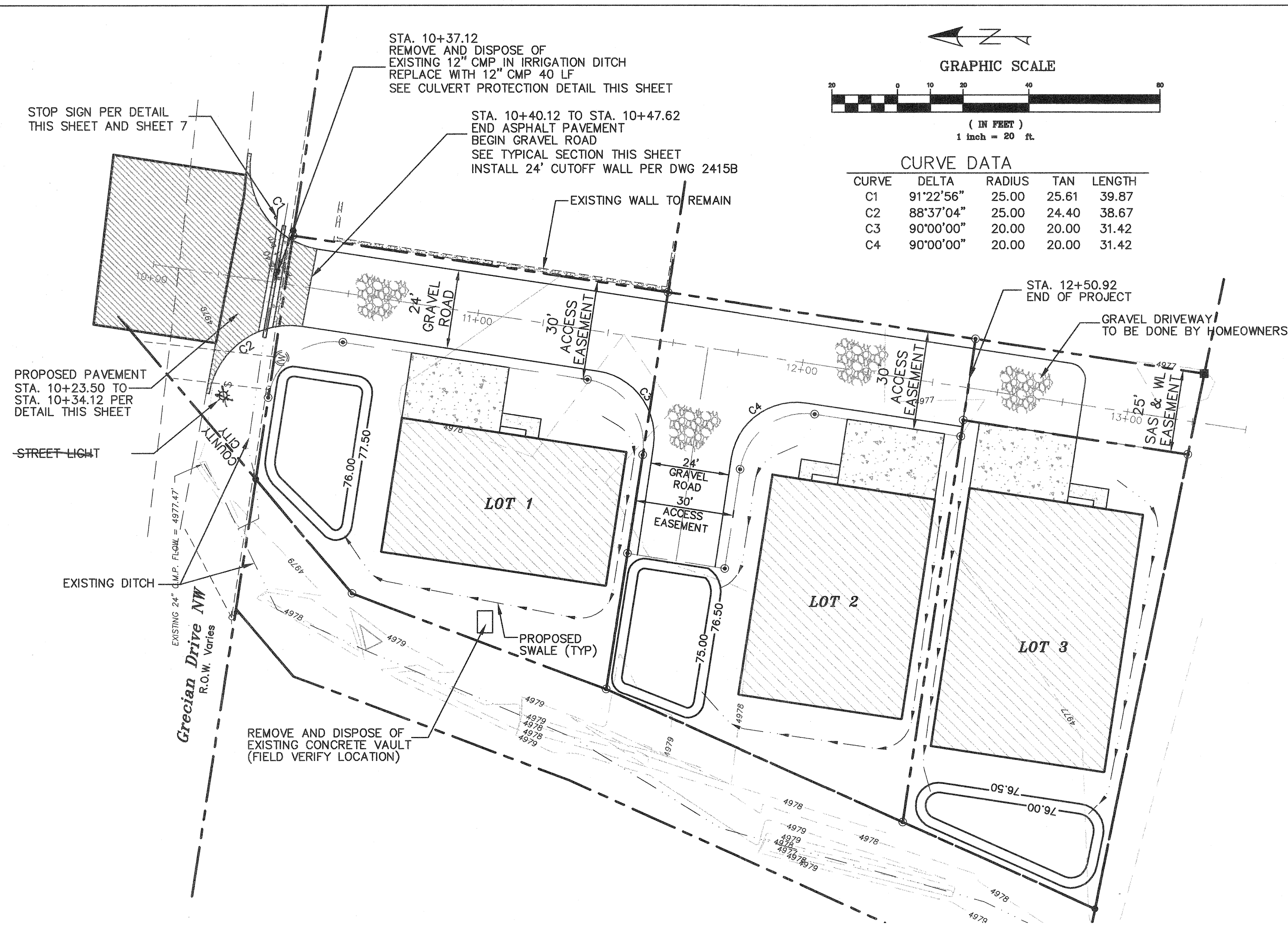
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APPROVE		APPROVE							
JUL 27 2006		MAR 28 2007							
DESIGN REVIEW COMMITTEE		DESIGN REVIEW COMMITTEE							
PROJECT NO. 787481				MAP NO. E-14		SHEET 3		OF 7	

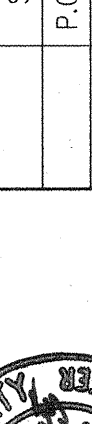
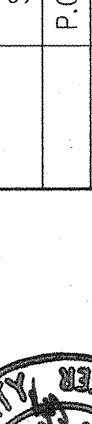
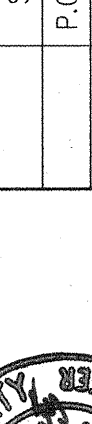
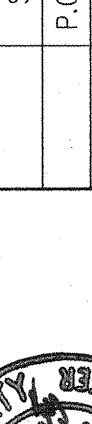
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NO.		DATE	REMARKS	BY
REVISIONS				
DESIGN				
DESIGNED BY		BOM	DATE	JULY 2006
DRAWN BY		BOM	DATE	JULY 2006
CHECKED BY		BOM	DATE	JULY 2006

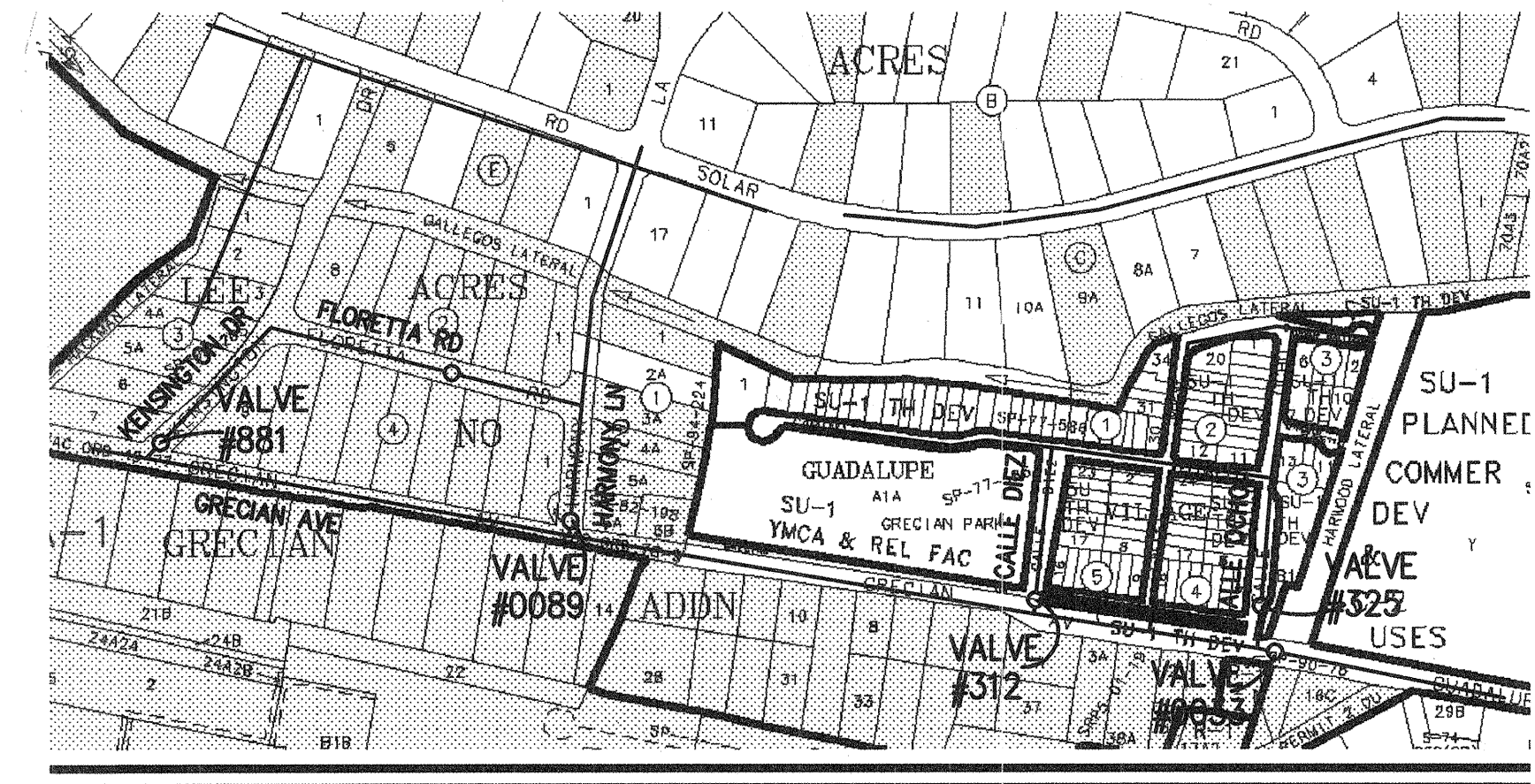
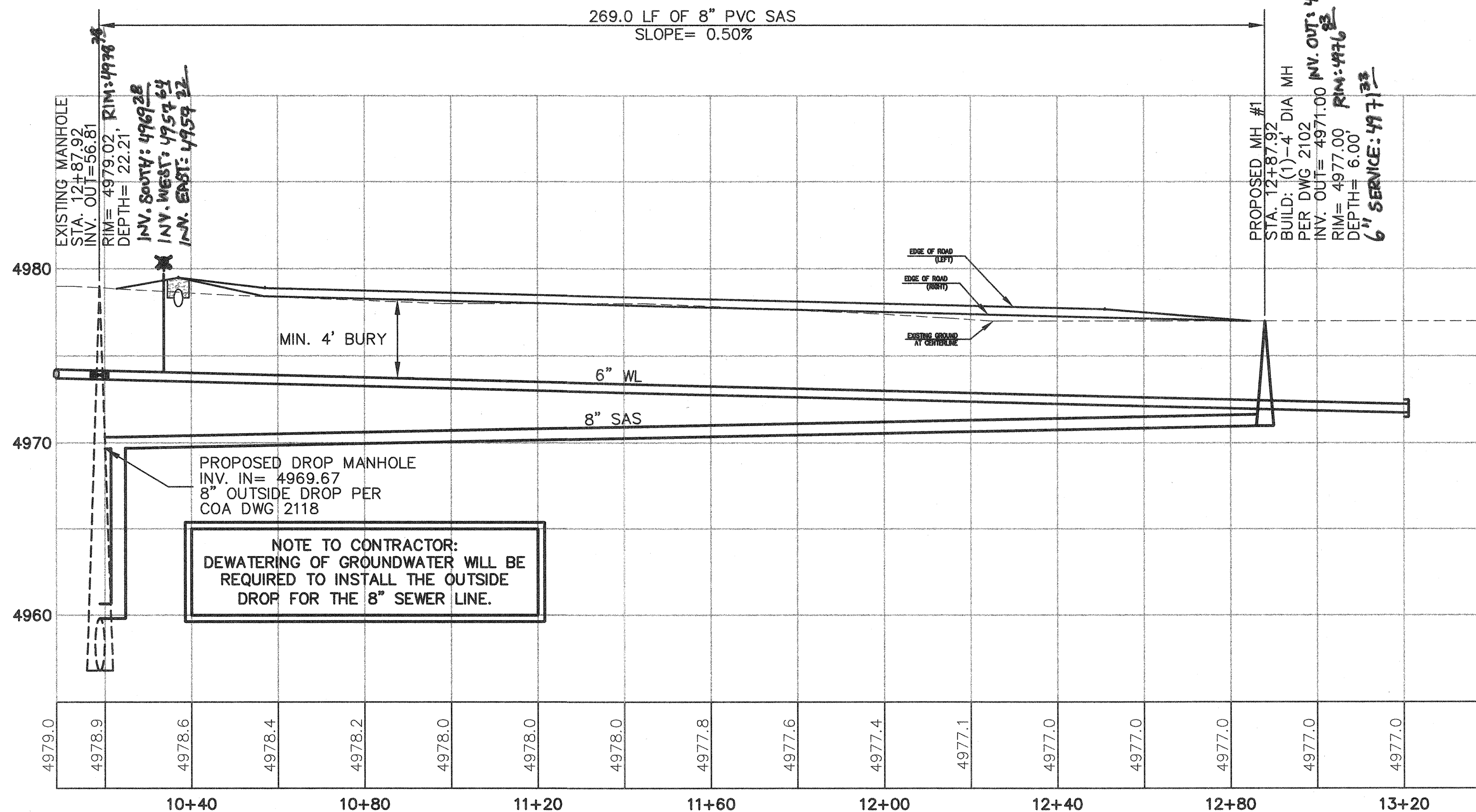
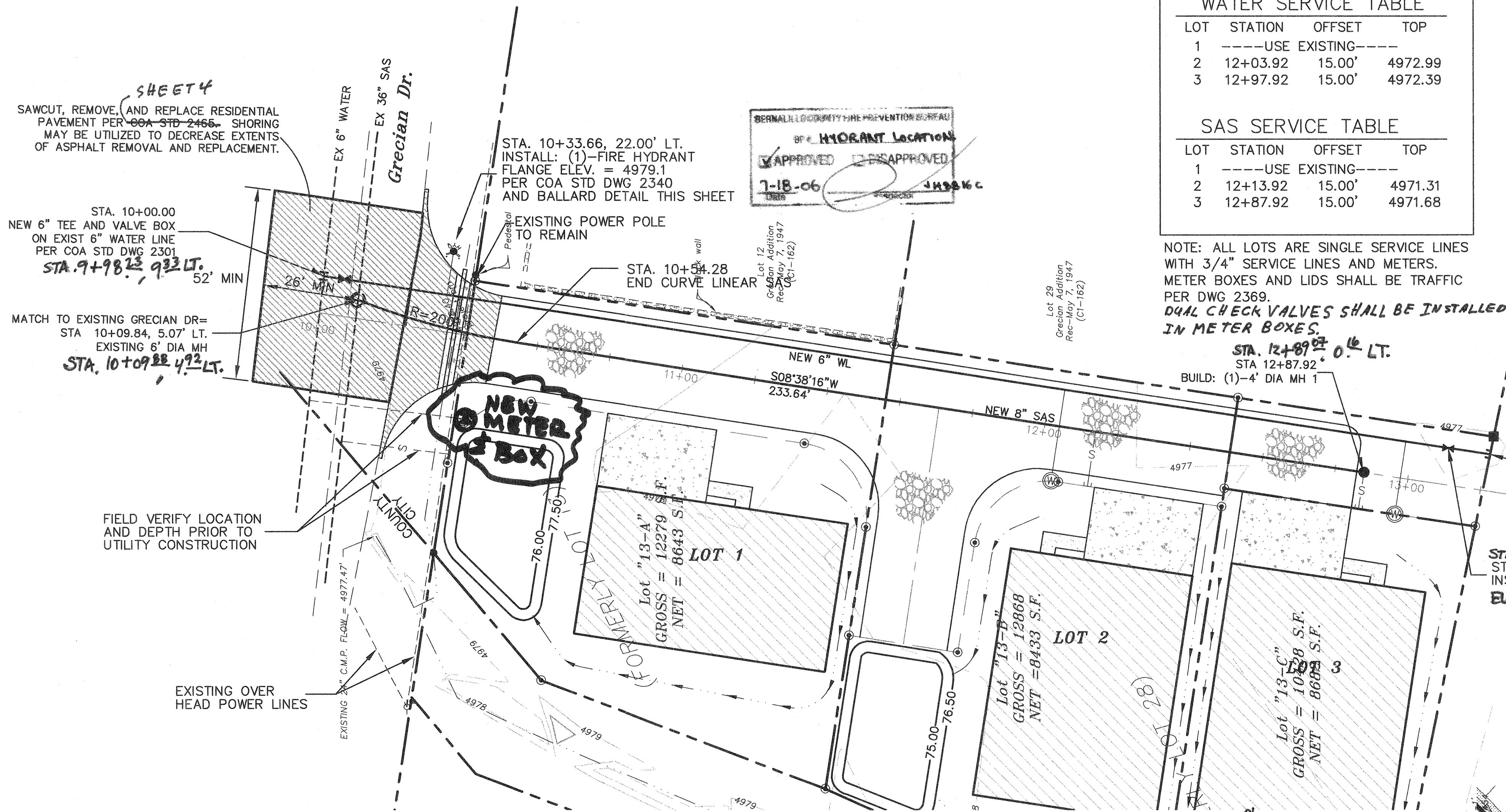


SCANNED BY  
PLANNING



BUREAU OF LAND MANAGEMENT ADDITIONAL SHEET AND PROFILE 0020		NO. DATE REMARKS BY		ENGINEER'S SEAL 		SURVEY INFORMATION NO. BY DATE		BENCH MARKS ACS MONUMENT "10-G134" X = 373,478.96, Y = 1,501,045.77 G-G' 0.93967/32, NEW MEXICO STATE PLANE GRID, CENTRAL ZONE (NAD 1927) ELEVATION 4988.216 (NGVD 29) LOCATED IN THE NORTHEAST QUADRANT OF CANDALARIA AND RIO GRANDE		AS BUILT INFORMATION CONTRACTOR WORKED BY INSPECTOR'S ACCEPTANCE BY <i>11/1/00</i> DATE <i>10/20/00</i> VERIFICATION BY DATE DRAWINGS CORRECTED BY DATE MICROFILM INFORMATION RECORDED BY DATE NO.	
DESIGNED BY BOM DATE JULY 2006		NO. DATE REMARKS BY		ENGINEER'S SEAL 		SURVEY INFORMATION NO. BY DATE		BENCH MARKS ACS MONUMENT "10-G134" X = 373,478.96, Y = 1,501,045.77 G-G' 0.93967/32, NEW MEXICO STATE PLANE GRID, CENTRAL ZONE (NAD 1927) ELEVATION 4988.216 (NGVD 29) LOCATED IN THE NORTHEAST QUADRANT OF CANDALARIA AND RIO GRANDE		AS BUILT INFORMATION CONTRACTOR WORKED BY INSPECTOR'S ACCEPTANCE BY <i>11/1/00</i> DATE <i>10/20/00</i> VERIFICATION BY DATE DRAWINGS CORRECTED BY DATE MICROFILM INFORMATION RECORDED BY DATE NO.	
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**RECORD DRAWING**

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

TITLE: ABREVEDERO ADDITION  
UTILITY PLAN AND PROFILE  
PWCO 60020

DESIGN REVIEW COMMITTEE  
APPROVED  
JUL 27 2006  
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL  
APPROVED  
MAR 28 2007  
DESIGN REVIEW COMMITTEE

PROJECT NO. 787481

MAP NO. E-14

SHEET 5 OF 7

NO. DATE REVISIONS  
DESIGNED BY BOM DATE JULY 2006  
DRAWN BY BOM DATE JULY 2006  
CHECKED BY BOM DATE JULY 2006



**AS BUILT INFORMATION**

CONTRACTOR: TERA LAND SURVEY DATE 08/07/07

WORK: ABREVEDERO ADDITION DATE 08/07/07

APPROVED BY: DATE 08/07/07

REVISIONS: DATE 08/07/07

**SURVEY INFORMATION**

FIELD NOTES

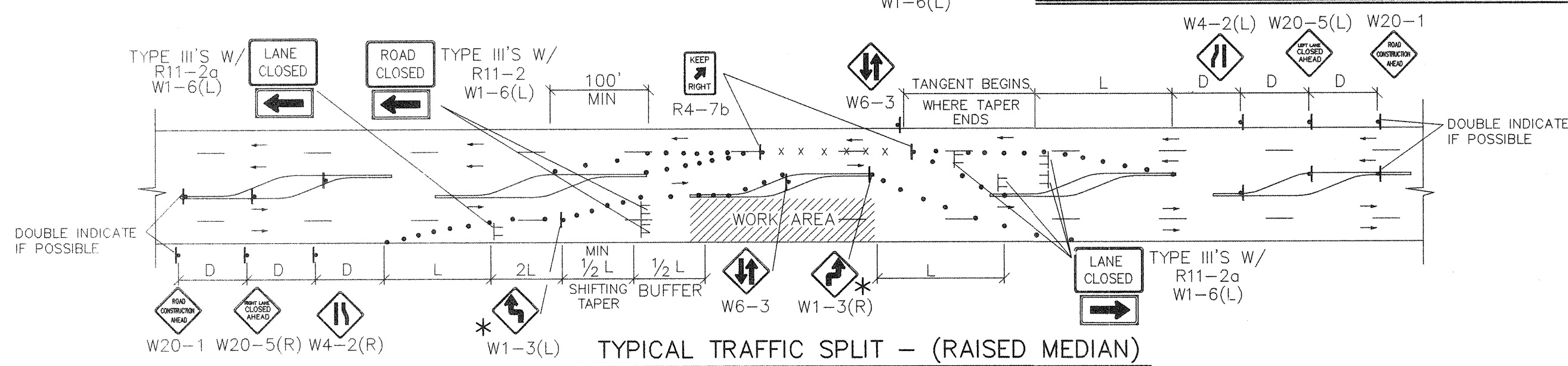
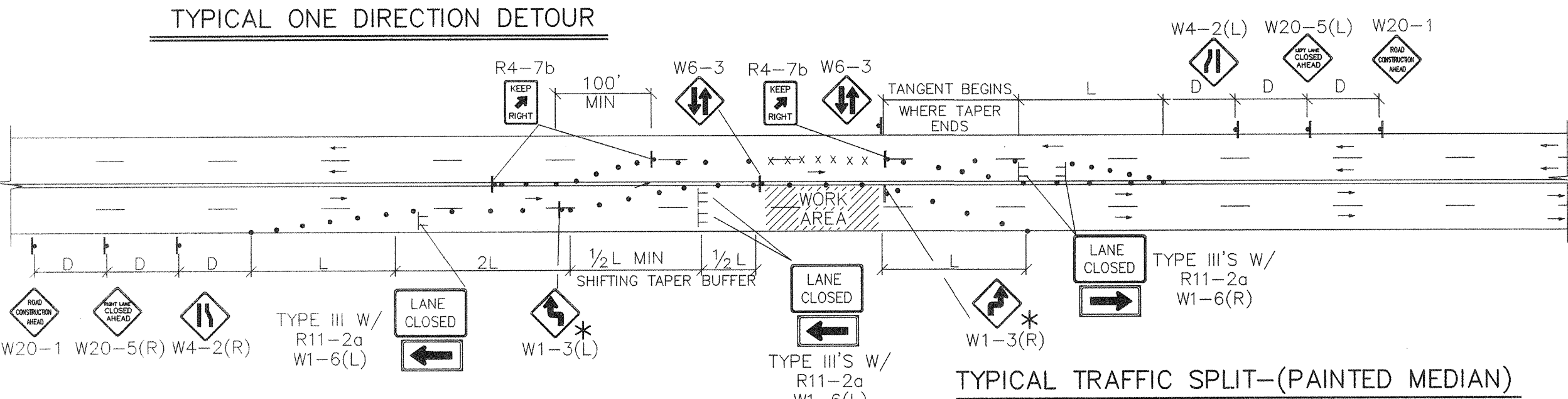
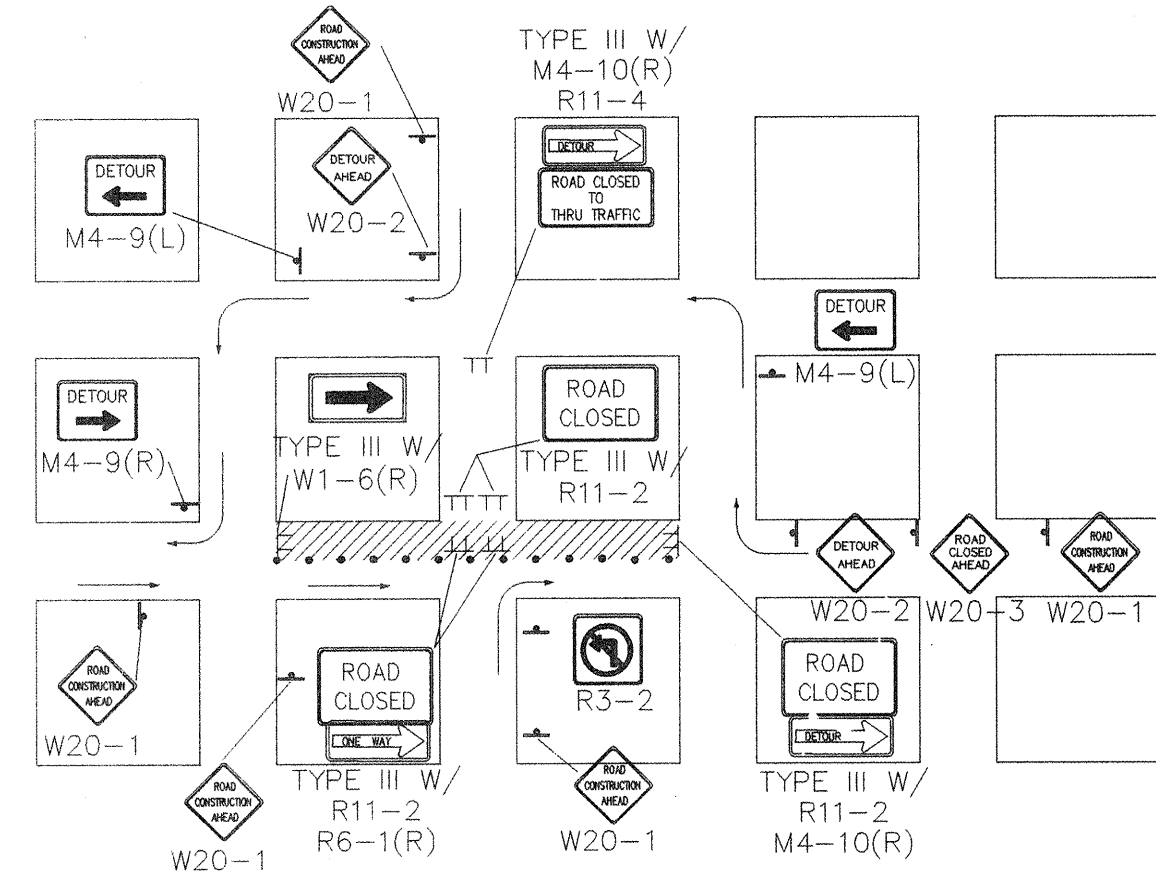
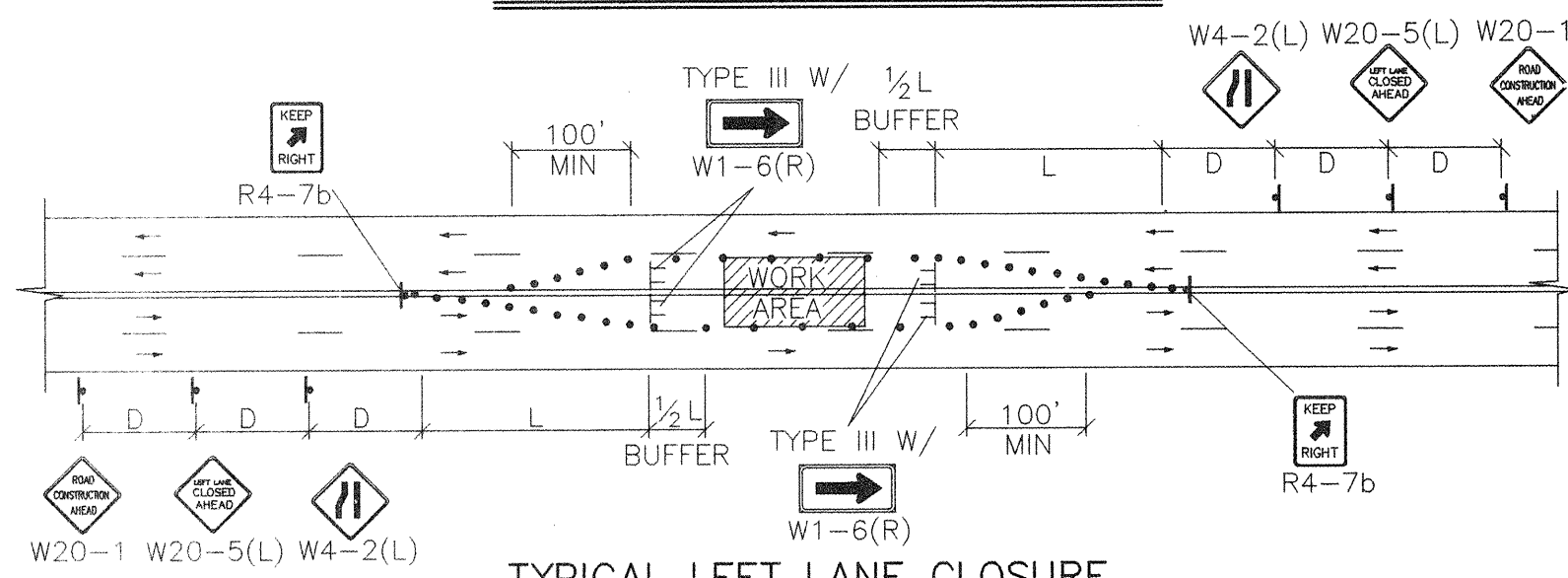
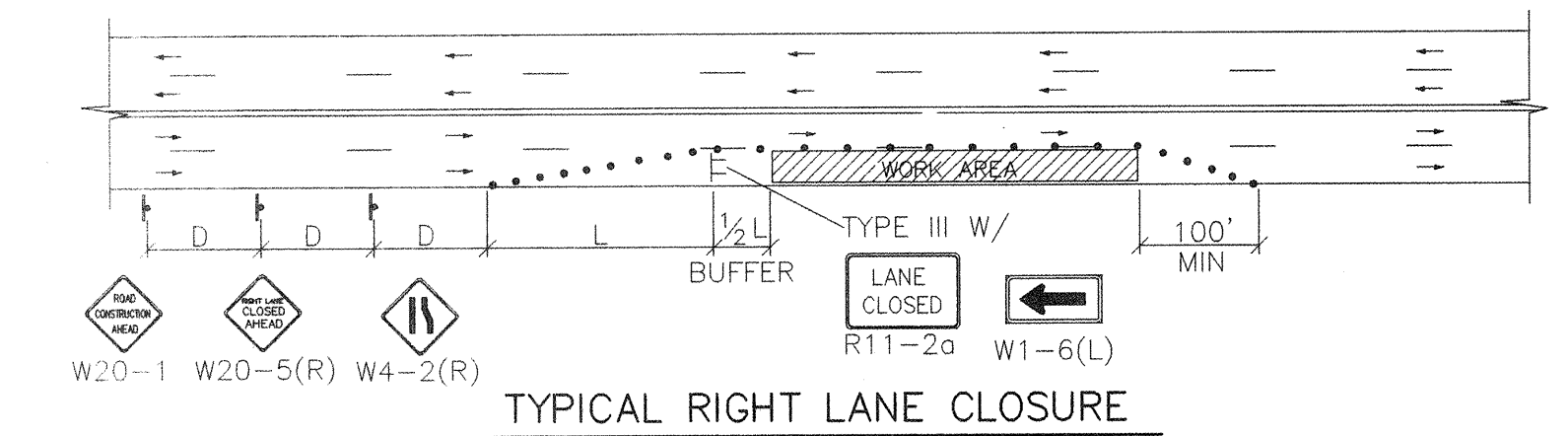
NO. BY DATE

ROSS HOWARD  
SURVEYING COMPANY  
P.O. BOX 887 CORRALES,  
NEW MEXICO 87046  
PHONE (505) 897-0291  
FAX (505) 897-7111

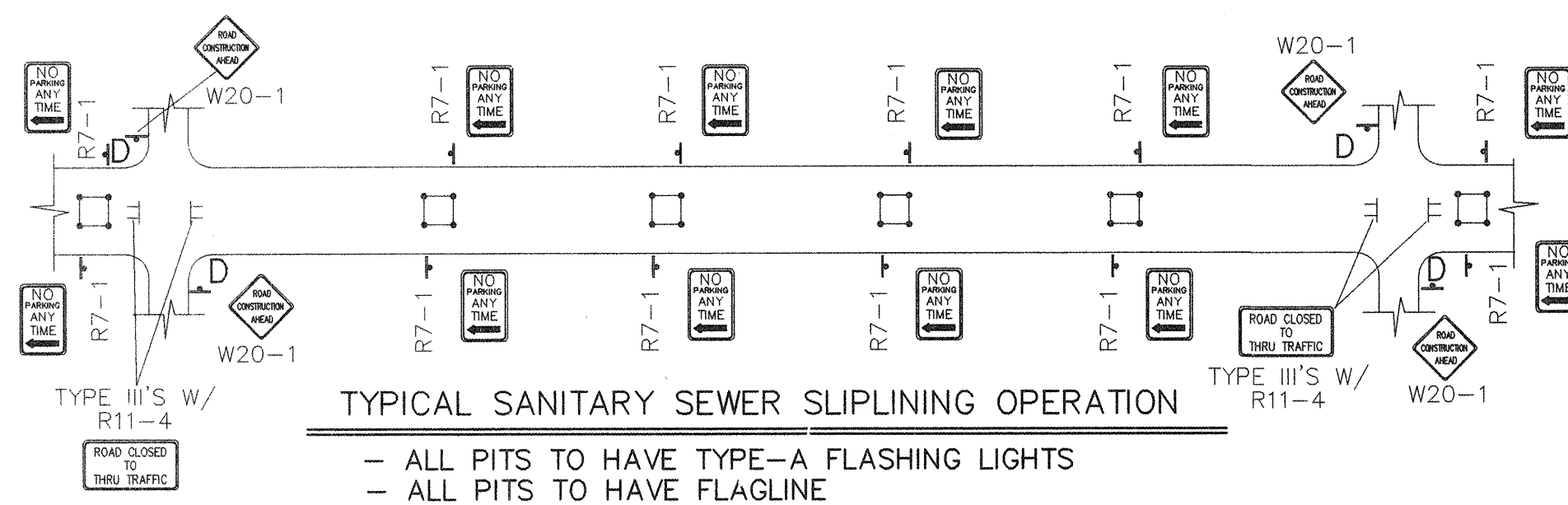
**ENGINEER'S SEAL**

NO. DATE

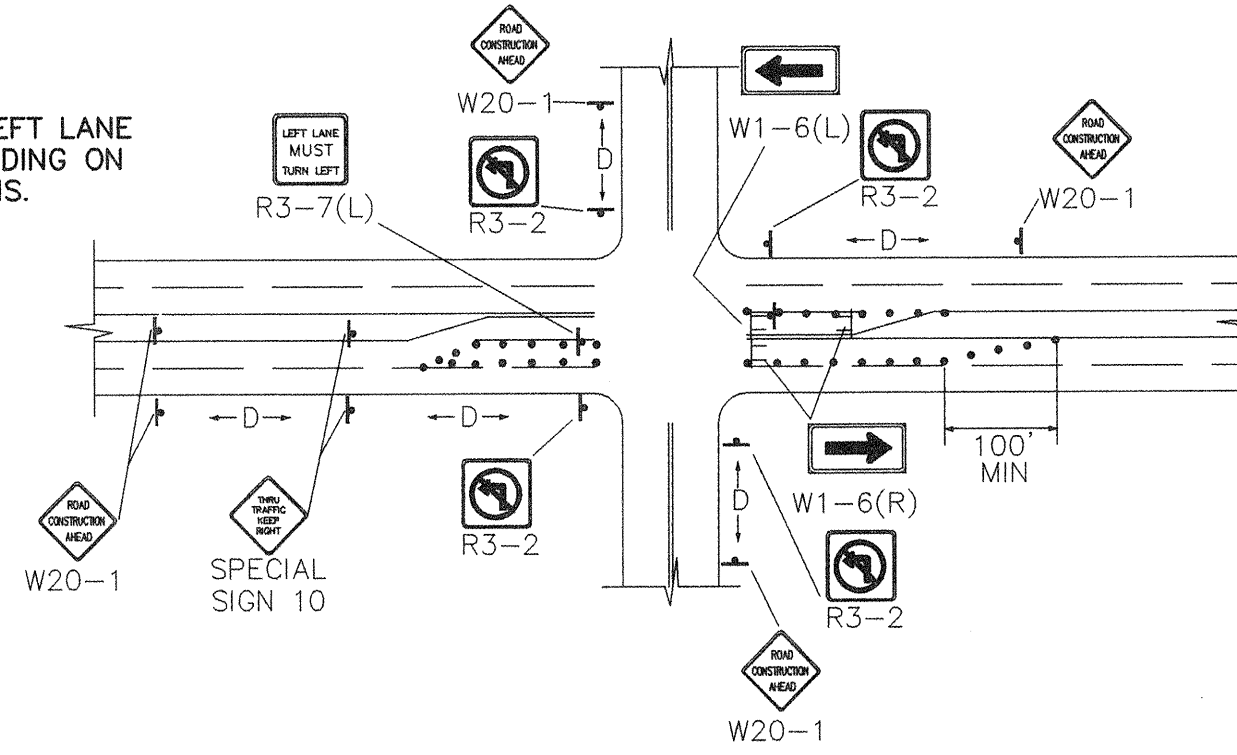




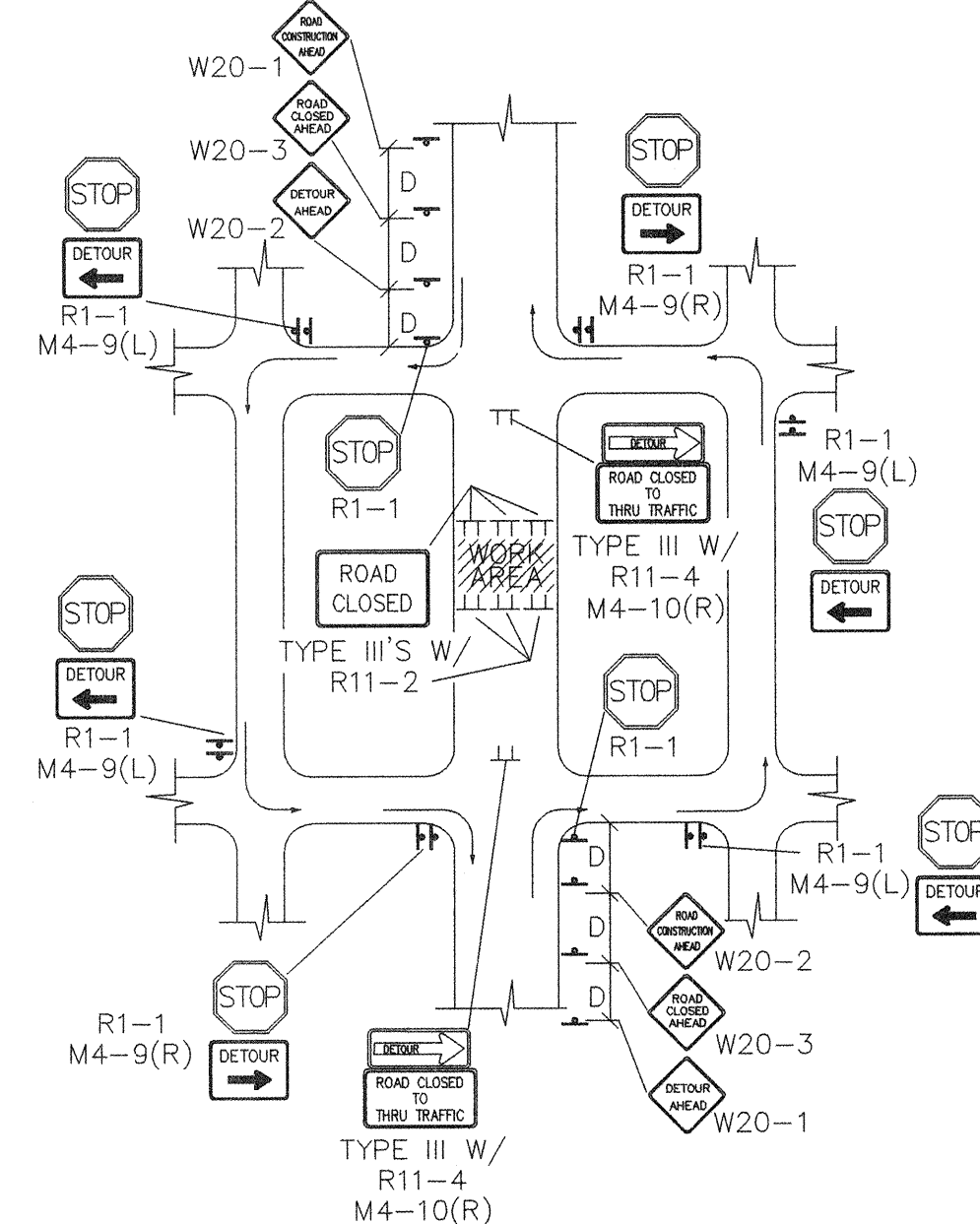
- TRAFFIC SPLIT NOTES:**
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
  2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
  3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
  4. MEDIAN 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.



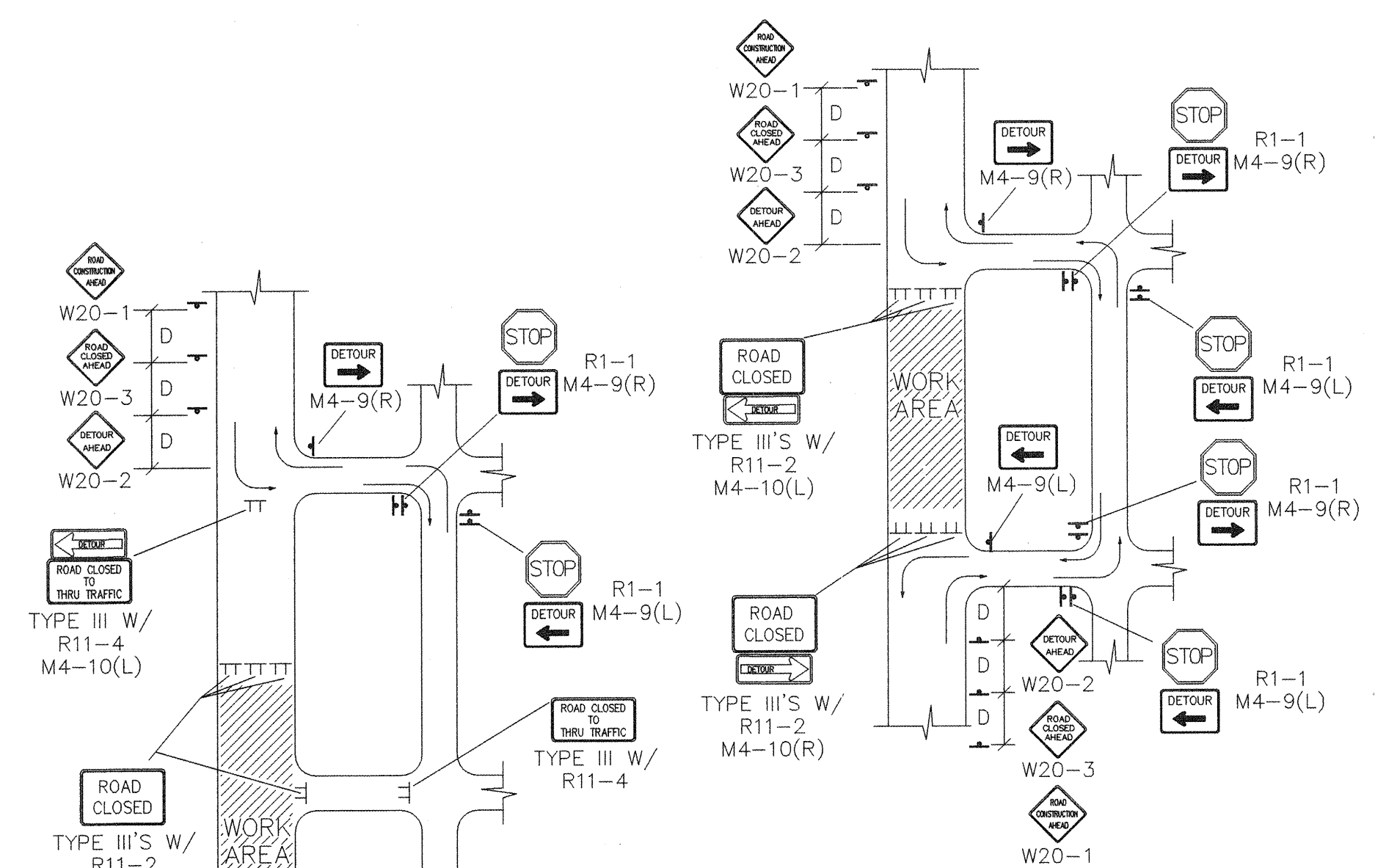
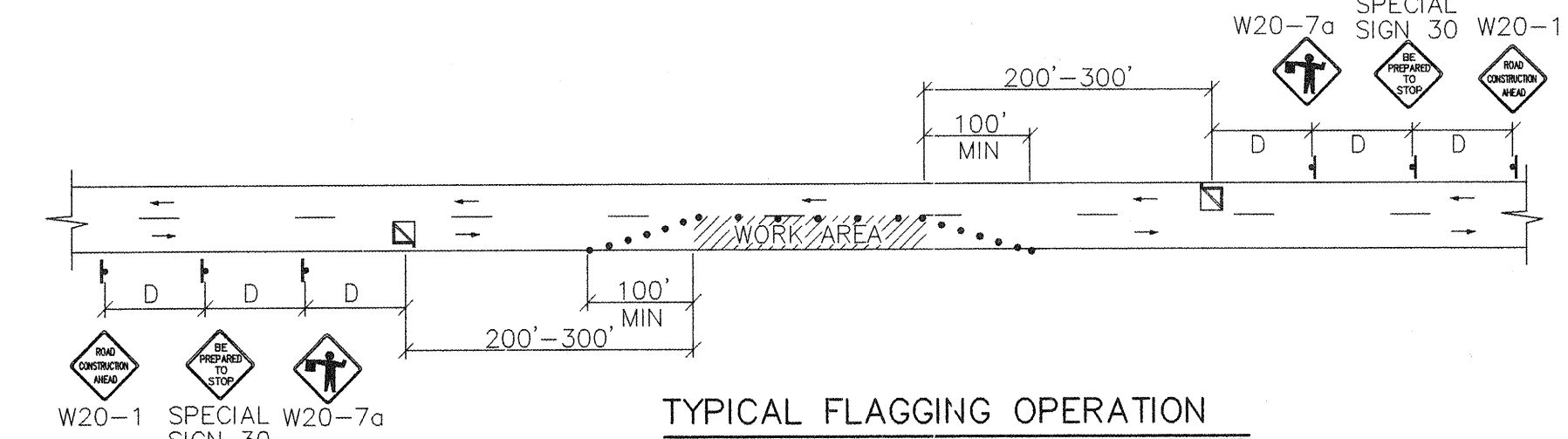
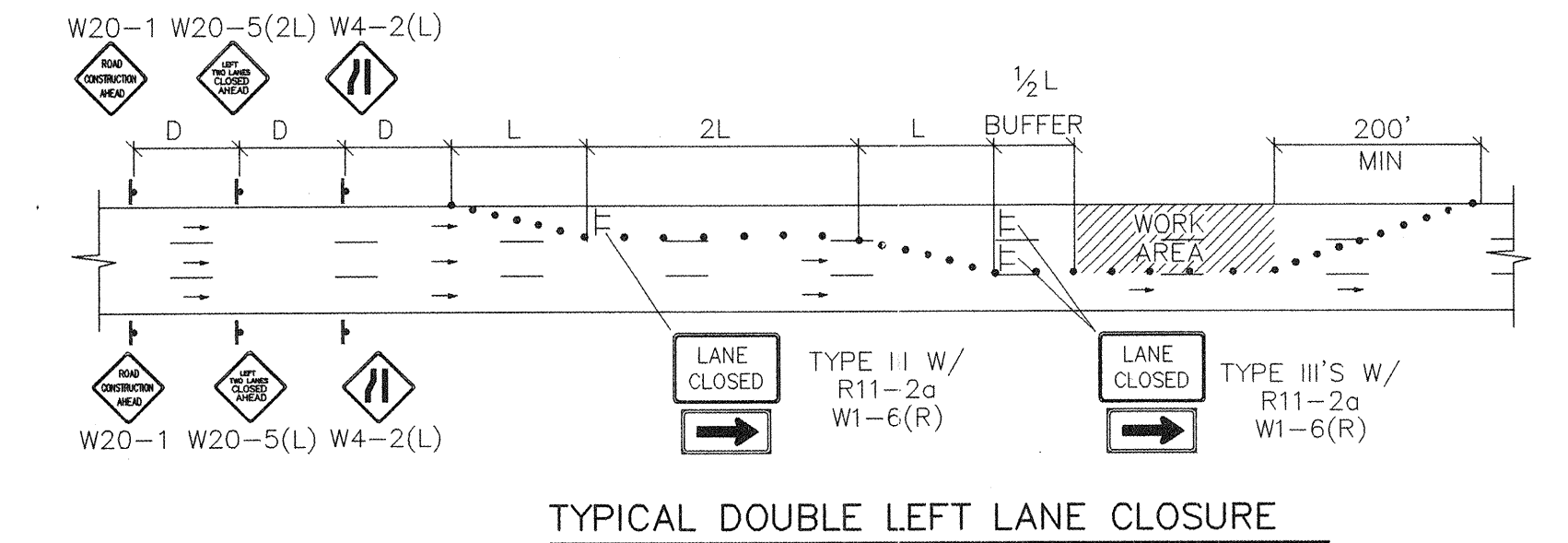
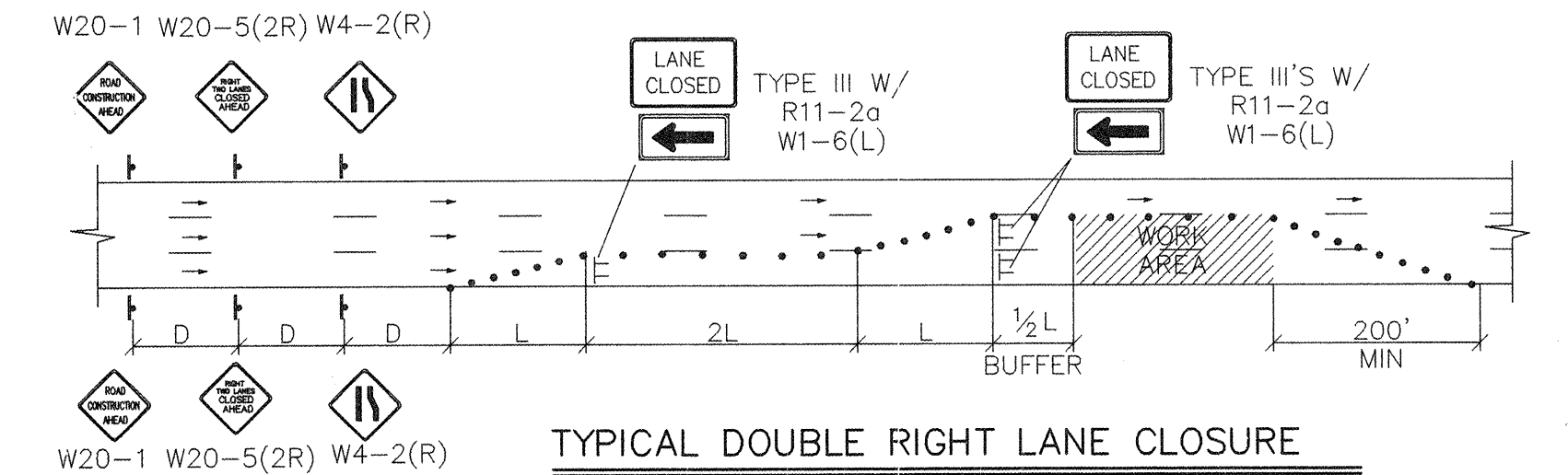
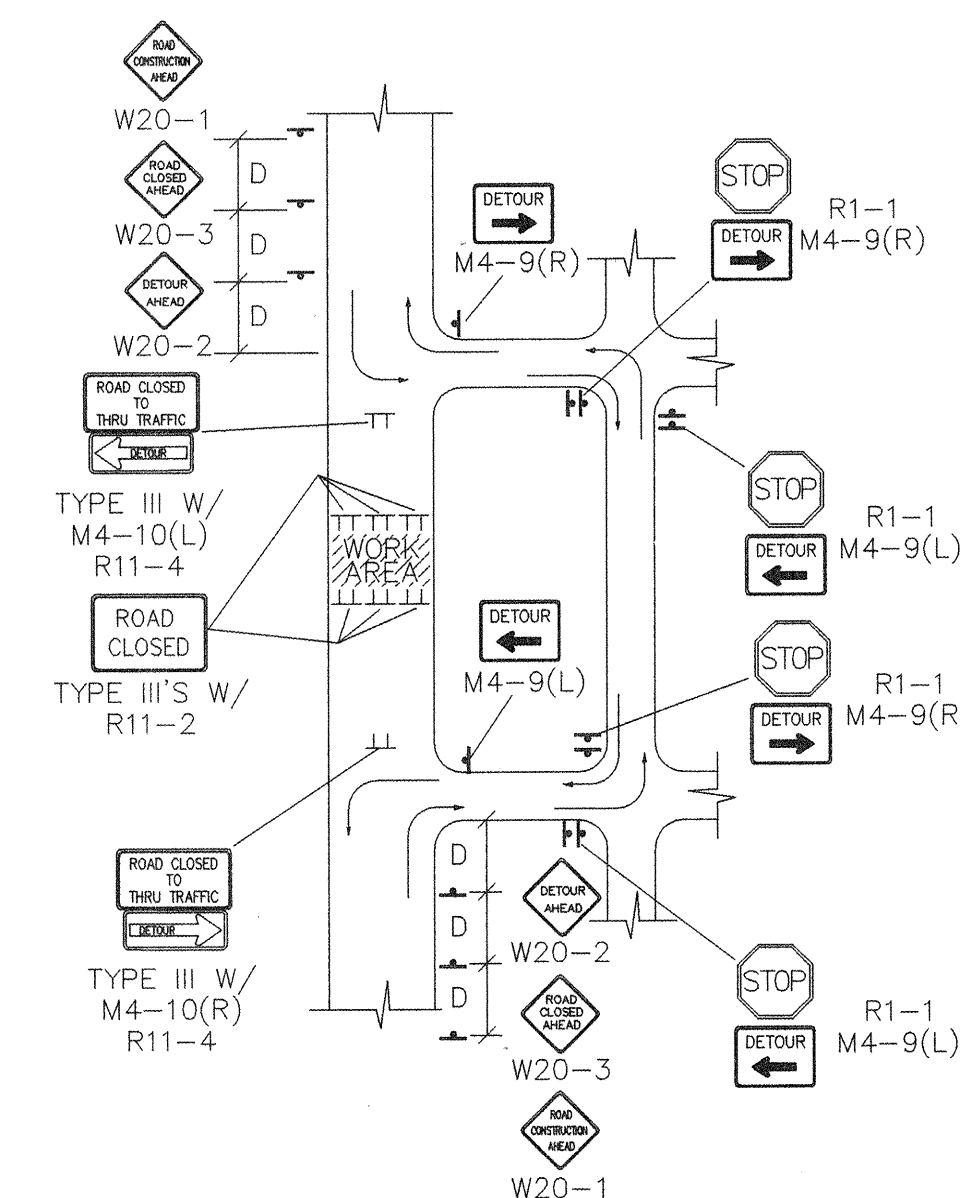
NOTE:  
MAY REQUIRE LEFT LANE  
CLOSURE DEPENDING ON  
FIELD CONDITIONS.



NOTE: DEPENDING ON WORK ZONE LOCATION.



NOTE: (R1-1) BASED ON FIELD CONDITIONS.



NOTE: (R1-1) BASED ON FIELD CONDITIONS.

# RECORD DRAWING

COUNTY OF BERNALILLO			
TITLE: TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
COA STANDARD	COA STANDARD	LAST DESIGN UPDATE	
CITY PROJECT NO.	PWCO 60020	ZONE MAP NO.	E-14
	COA 787481	SHEET	6 OF 7



## CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- PROJECT IS SUBJECT TO THE REQUIREMENTS OF COUNTY ORDINANCE NO. 95-12 AND COUNTY ORDINANCE NO. 96-3. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY. CONTRACTOR SHALL CALL 848-1504 FOR MORE INFORMATION.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE COUNTY TRAFFIC CONTROL ADMINISTRATOR AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK. TRAFFIC CONTROL PLANS SHALL BE PREPARED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION AND BY CERTIFIED PERSONNEL AND MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK ON THE PROJECT. CALL 848-1504 FOR FURTHER INFORMATION.
- A DAILY TRAFFIC CONTROL LOG SHALL BE MAINTAINED BY THE CONTRACTOR REFLECTING THE TYPES AND LOCATIONS OF ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, ETC. BEING USED ON THE PROJECT IN COMPLIANCE WITH THE APPROVED TRAFFIC CONTROL PLAN. THIS LOG SHALL BE SUBMITTED TO THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR UPON COMPLETION OF THE PROJECT CONSTRUCTION OR WHEN SO REQUESTED BY THE PROJECT MANAGER OR THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR.
- CONTRACTOR SHALL PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO BERNALILLO COUNTY PUBLIC WORKS DIVISION ATTN: PROJECT MANAGER
- THE CONTRACTOR SHALL FILE A WEEKLY WRITTEN REPORT TO THE TRAFFIC CONTROL ADMINISTRATOR DESCRIBING THE TRAFFIC CONTROL PLAN THAT WILL BE IN EFFECT FOR THE FOLLOWING WEEK.
- SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMAN AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC AT ALL TIMES, EXCEPT WHEN GRADING, EXCAVATION AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF THE PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 4 HOURS WITHOUT APPROVAL BY THE COUNTY.
- TRAFFIC LANES PROVIDED DURING CONSTRUCTION SHALL BE MAINTAINED, IN SUCH A CONDITION UNDER ALL WEATHER CONDITIONS, SO AS TO PERMIT THE REASONABLE PASSAGE OF PASSENGER VEHICLES, AND SHALL BE KEPT GRADED AND SMOOTH, AND WATERED SEVERAL TIMES DAILY TO CONTROL DUST.
- 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.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY BERNALILLO COUNTY TRAFFIC ENGINEERING.
- ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY WITH 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 THE COUNTY TRAFFIC CONTROL ADMINISTRATOR, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP FOR EACH PHASE 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.
- 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.
- 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.
- 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 BERNALILLO COUNTY TRAFFIC ENGINEERING PER MUTCD SECTION 6A-4.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF BERNALILLO COUNTY TRAFFIC ENGINEERING.

17. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

18. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

19. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

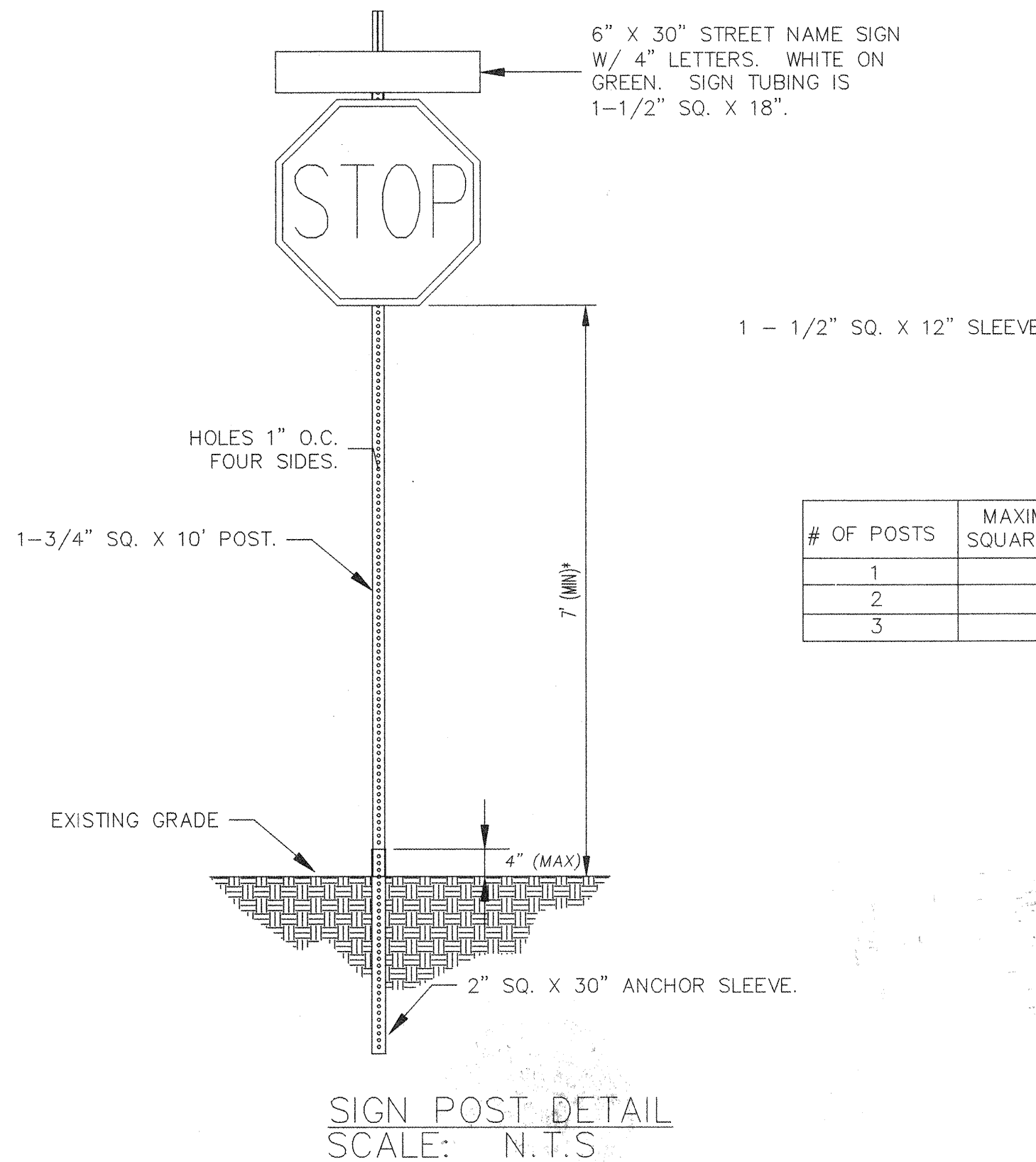
20. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF BERNALILLO COUNTY TRAFFIC ENGINEERING. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE LETTERING ON BLUE BACKGROUND. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

21. 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.

22. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY BERNALILLO COUNTY TRAFFIC ENGINEERING.

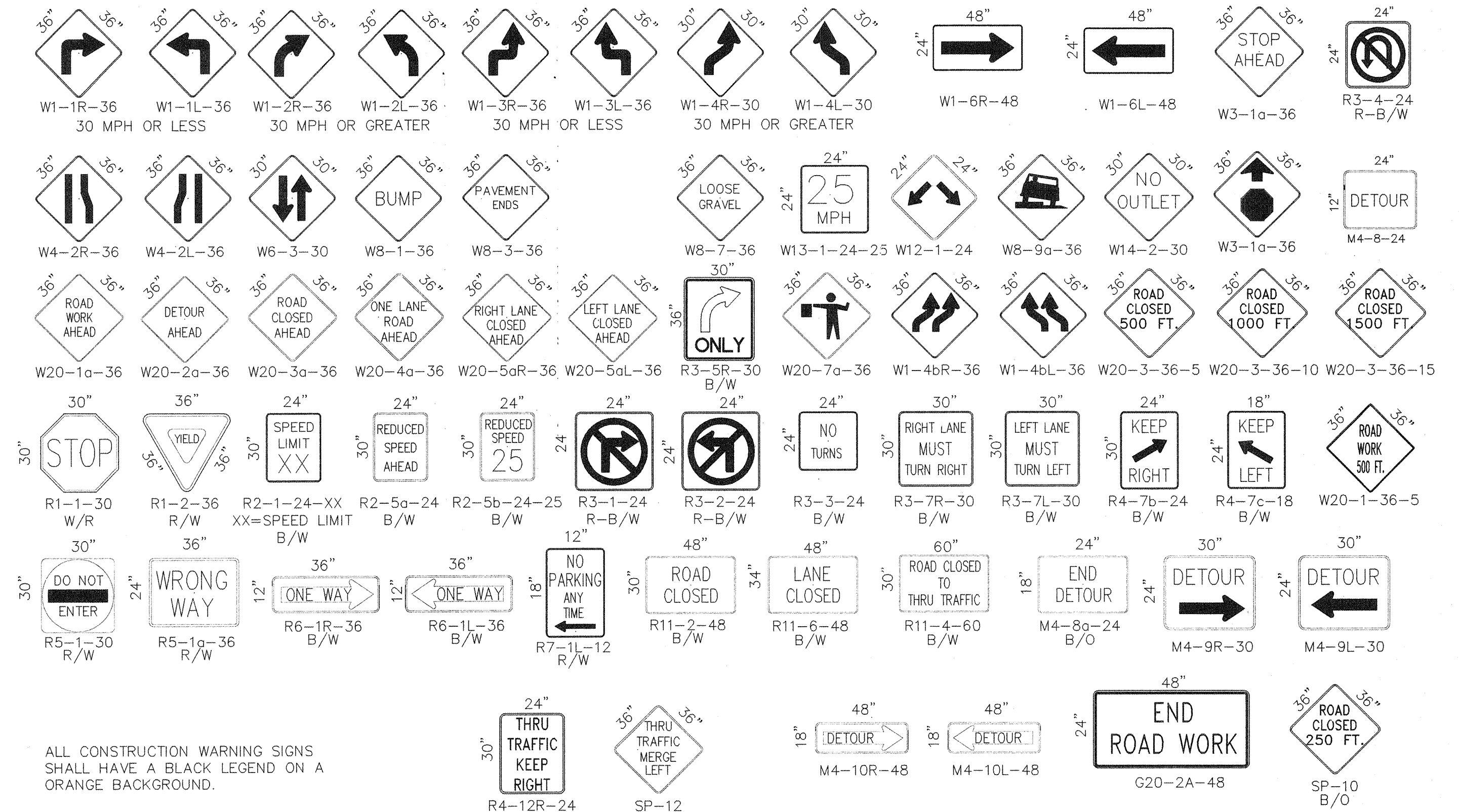
23. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET, SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

24. THE CONTRACTOR SHALL CONTACT BERNALILLO COUNTY TRAFFIC ENGINEER (848-1575) BEFORE REMOVING AND/OR INSTALLING ANY TRAFFIC SIGNS OR PERMANENT STRIPING AND MARKINGS. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, LEGENDS AND SYMBOLS ARE TO BE CONSTRUCTED OF INTERSECTION GRADE COLD PLASTIC AND LINE MARKINGS ARE TO BE CONSTRUCTED OF DURABLE PAINT IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION. ANY PAVEMENT MARKINGS AND SIGNS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT EXISTING LOCATIONS. SUCH WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF THE PROJECT.

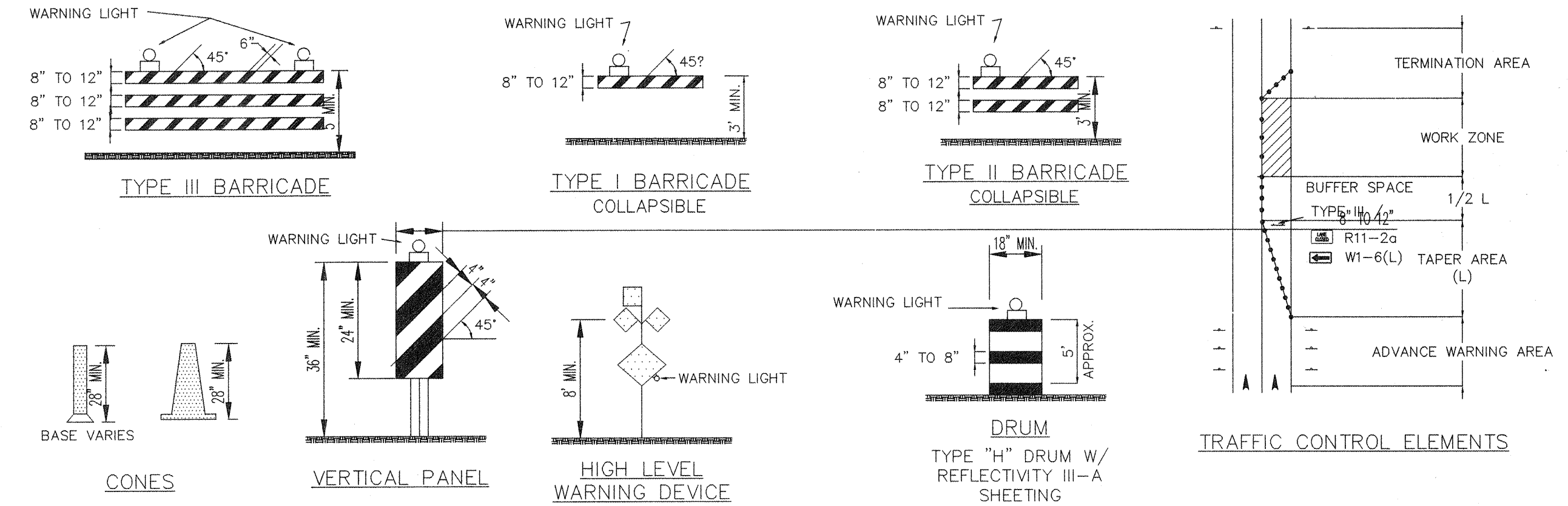


\*SEE MUTCD FOR MINIMUM MOUNTING HEIGHT IN RURAL AREAS

## 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 TYPE "H" DRUM W/ REFLECTIVITY III-A SHEETING
- 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 SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW

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

## RECORD DRAWING

NO.	DESCRIPTION	DATE	BY
REVISIONS			
COUNTY OF BERNALILLO			
ABREVADERO ADDITION			
SIGNING & CONSTRUCTION			
TRAFFIC CONTROL STANDARDS			
PROJECT NO. PWCO 60020 COA 787481			
DRAWN: XXX		DATE: 07-12-06	
CHECKED: XXX		SCALE: 1" = 50'	