HARPER MEDIAN

CITY OF ALBUQUERQUE

CAPITAL IMPLEMENTATION PROGRAM ENGINEERING, ARCHITECTURAL, AND ART SERVICES SECTION

LANDSCAPE IMPROVEMENTS

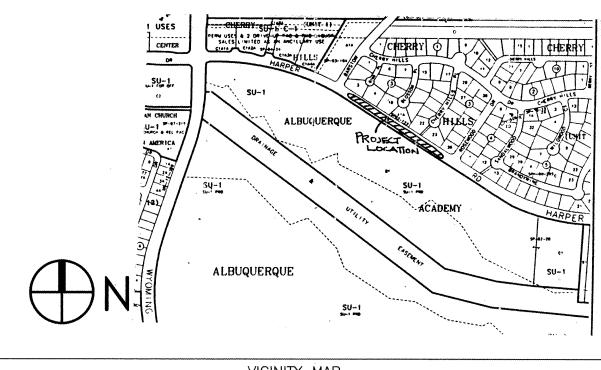
INDEX

SHEET	DESCRIPTION	
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T1	SIGNING AND CONSTRUCTION TRAFFIC CON	TROL STANDARDS
T2	TYPICAL TRAFFIC CONTROL AND SIGNING E	EXAMPLES

CONSTRUCTION NOTES:

- 1. WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, 6. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
- . PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
- 5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILTIY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES ' TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
- 8. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES 14. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
 - 9. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF WAY.
 - 10. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, TOPSOIL DISTURBANCE AND EXCAVATION PERMITS, ETC.)

- 11. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
- 12. ALL PERMANENT PAVEMENT MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR PER PLAN.
- 13. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
- APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- 15. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
- 16. ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.



VICINITY MAP NOT TO SCALE E-19

NOTICE TO CONTRACTORS 1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE No.6

2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES. 3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO

4. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD

THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT

5. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS

SPECIFICATIONS.

6. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE (7) DAYS PRIOR TO STARTING WORK IN CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NO 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 DIS-TURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. 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 SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THE PROJECT LIMITS NOT SHOWN ON THE PLANS THAT IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT DESIGNER'S EXPENSE.

7. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF EXISTING CITY FACILITIES. ANY DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED IN KIND, AS DETERMINED BY THE OWNER'S REPRESENTATIVE. REPLACEMENTS SHALL BE AT THE CONTRACTOR'S EXPENSE, AS PER C.O.A. SPECS.

8. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED MALL UTILITIES AND UTILITY SERVICE LINES SHALL BE

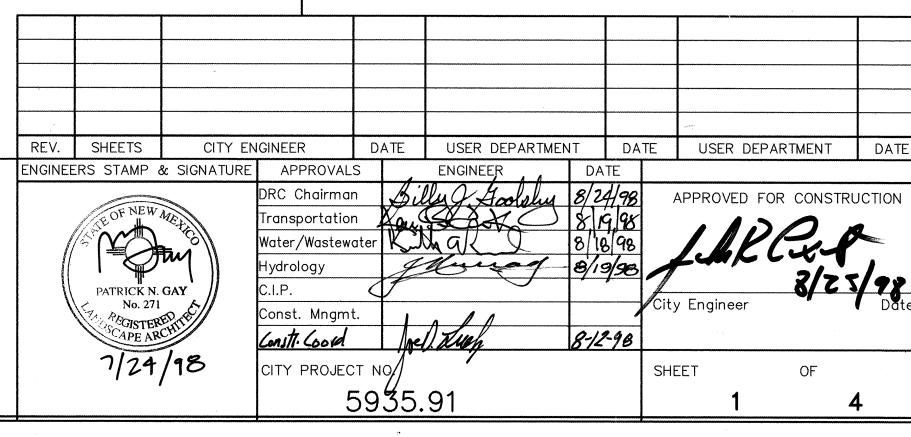
INSTALLED PRIOR TO PAVING. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.

TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY L ENGINEER. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS

SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED. IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL

BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR I REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.



5150 A SAN FRANCISCO NE ALBUQUERQUE, NM 87109 PHONE: 505-822-8200 FAX: 505-822-8282

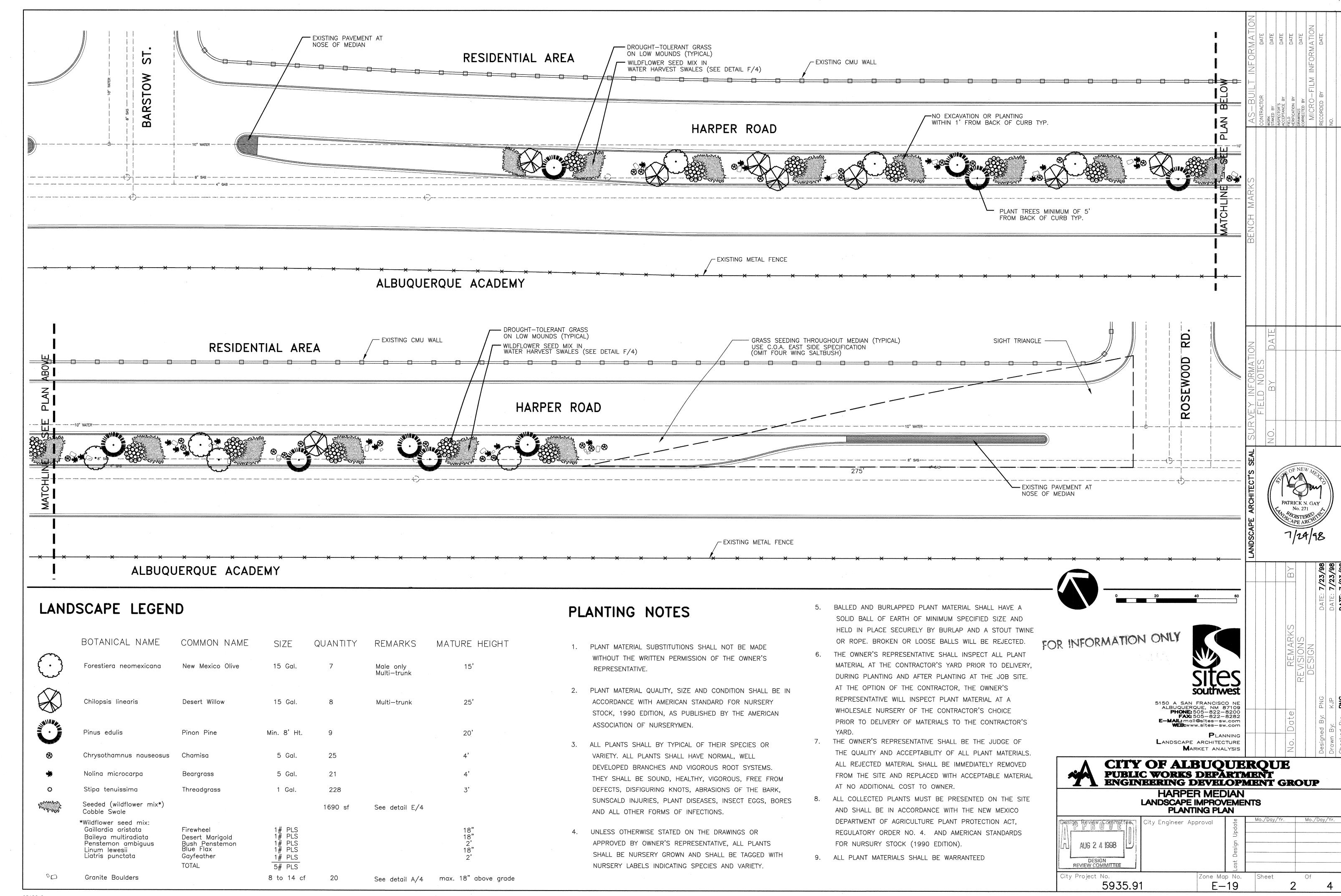
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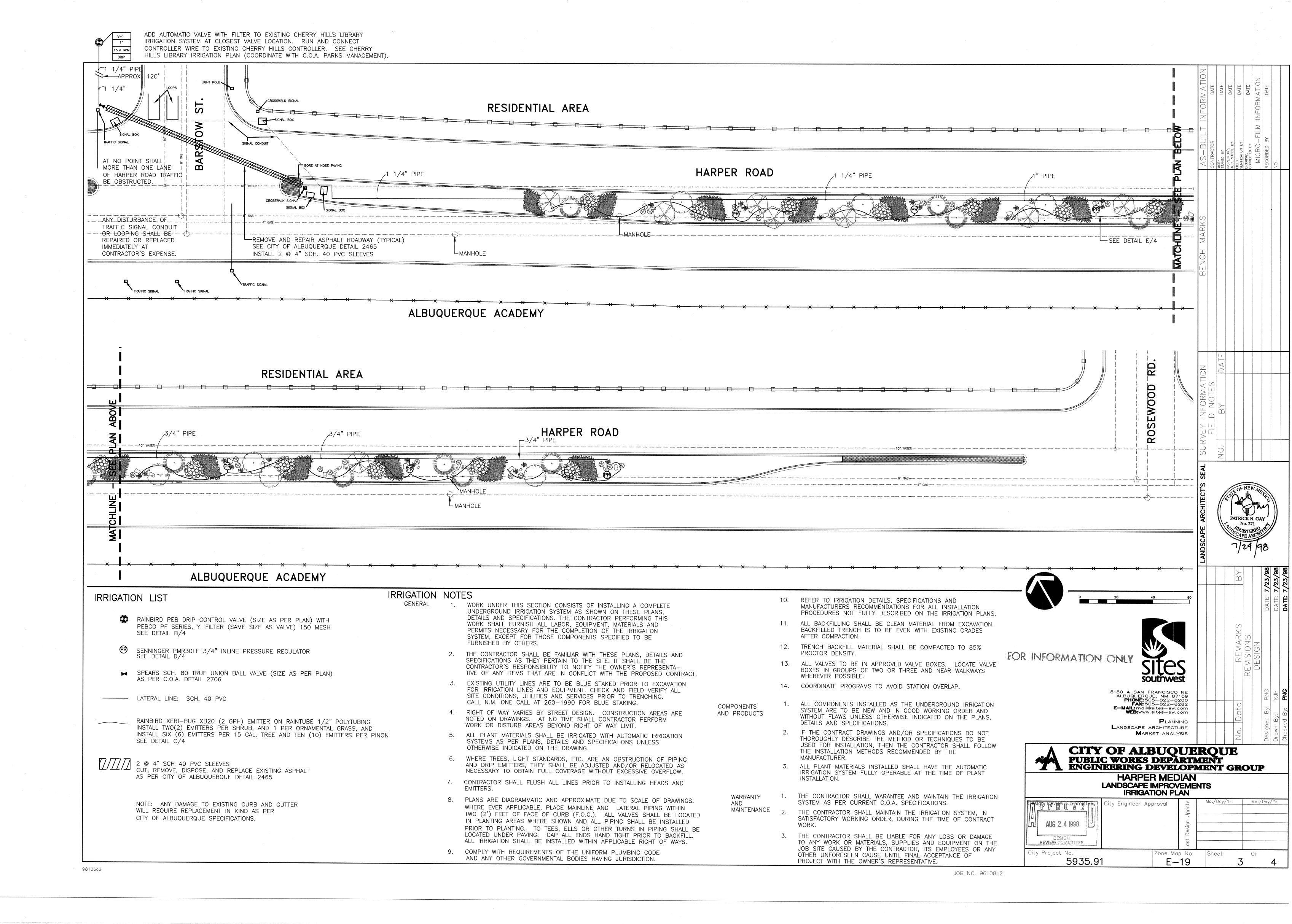
LANDSCAPE ARCHITECTURE

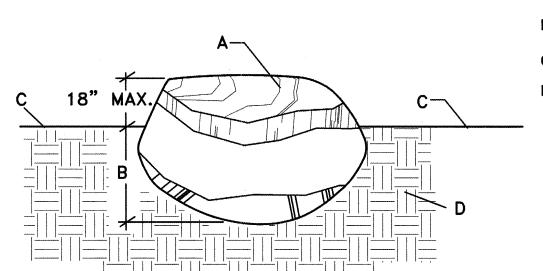
WEB:www.sites-sw.com

MARKET ANALYSIS

PLANNING







A. BOULDER, LOCATIONS TO BE FIELD VERIFIED BY OWNER'S REPRESENTATIVE.

B. BURY MINIMUM 1/3 OF BOULDER IN COMPACTED SUBGRADE

C. FINISH GRADE AS PER GRADING PLAN.

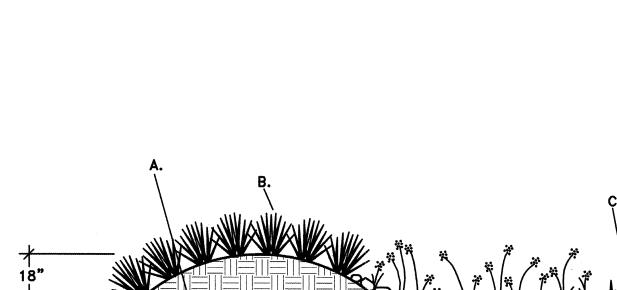
D. COMPACTED SUBGRADE

A LANDSCAPE BOULDER INSTALLATION

NOT TO SCALE

© PVC/POLY PIPE CONNECTION

NOT TO SCALE



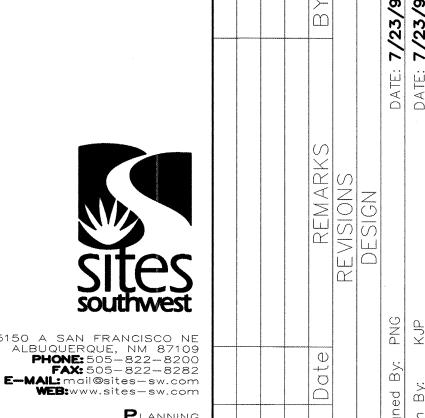
10' APPROXIMATE DIAMETER

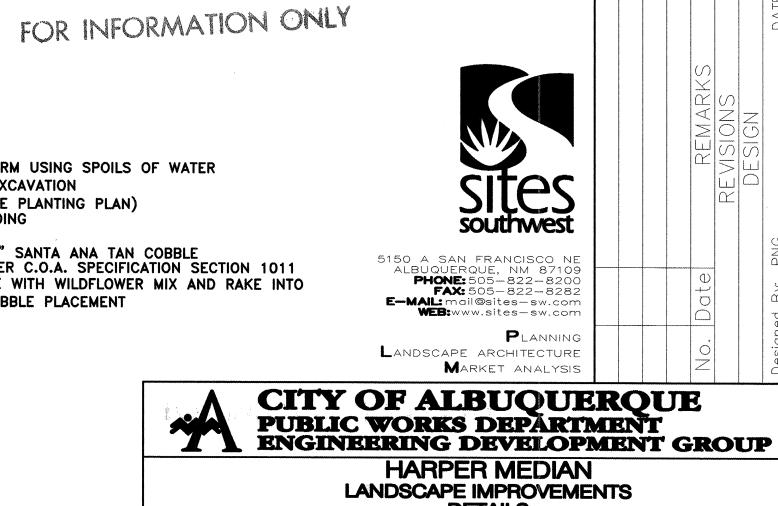
A. CREATE ROUND BERM USING SPOILS OF WATER HARVEST SWALE EXCAVATION

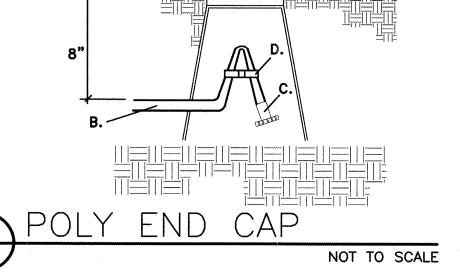
B. NATIVE GRASS (SEE PLANTING PLAN)

C. RECLAMATION SEEDING

D. FINISH GRADE 4"LAYER OF 2"-4" SANTA ANA TAN COBBLE AMEND SOIL AS PER C.O.A. SPECIFICATION SECTION 1011 HAND SEED SWALE WITH WILDFLOWER MIX AND RAKE INTO SOIL PRIOR TO COBBLE PLACEMENT







A. FINISH GRADE
B. 1/2" POLY LINE
C. RAINBIRD 700CF-21 POLY LINE CAP (OR APPROVED EQUAL)
D. RAINBIRD 700CF-22 FIGURE 8 END CLOSURE (OR APPROVED EQUAL)
E. BROOKS 910 VALVE BOX WITH BOLT DOWN COVER (OR APPROVED EQUAL)

WATER HARVEST SWALE AND MOUND NOT TO SCALE

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HARPER MEDIAN LANDSCAPE IMPROVEMENTS DETAILS									
AUG 2 4 1998 DESIGN REVIEW COMMITTEE	City Engineer App	oroval	Last Design Update	Mo./Da	y/Yr.	Mo./	Day/Yr.		
City Project No. 5935.9	1	Zone Ma		Sheet	4	Of	4		

A. 1/4" POLY FLEXIBLE TUBING
B. FINISH GRADE
C. 1/2" POLY PIPE
D. DRIP EMITTER—
SEE IRRIGATION LEGEND
E. CONNECTION BARB DISTANCE BETWEEN EMITTER AND POINT WHERE FLEXIBLE POLY PIPE SURFACES ABOVE GRADE SHALL BE 4 INCH MAXIMUM.

A HOLD BENEVIA TO THE PROPERTY OF THE PROPERTY

B DRIP VALVE/FILTER ASSEMBLY

A. FINISH GRADE
B. 8" ROUND VALVE BOX
WITH BOLT DOWN COVER

C. 1/2" POLY PIPE D. 4" LAYER OF 3/4" GRAVEL
E. INLINE PRESSURE REGULATOR— SEE
IRRIGATION LEGEND AND PLAN.
F. PVC PIPE
G. PVC COUPLING
H. PVC REDUCER COUPLING

A. BROOKS PRODUCTS INC. (OR APPROVED EQUAL)

1730 BODY (ABS) VALVE BOX W/BOLT DOWN COVER.(ABS) AND ONE 8" EXTENSION.

B. FINISH GRADE

D. AUTOMATIC VALVE— SEE PLAN / IRRIGATION LEGEND.

G. 4" LAYER OF 3/4" GRAVEL
H. "WYE" STRAINER TO BE INSTALLED

MAINTENANCE AND REPLACEMENT

O. SPEARS TRUE UNION SCHEDULE 80 PVC BALL VALVE SAME SIZE AS VALVE.

P. 6MM BLACK POLYETHYLENE PLASTIC TAPE TO ALL INLET AND OUTLET PIPE. INSTALL FULL LENGTH OF VALVE BOX.

NOT TO SCALE

TO PROVIDE ACCESS FOR

E. DRY SPLICE CONNECTOR OR

SCH. 80 NIPPLE

I. LATERAL LINE
M. 8" X 8" X 16" CMU
CONCRETE BLOCK
N. SCH 80 PVC NIPPLE

C. 24" WIRE LOOP

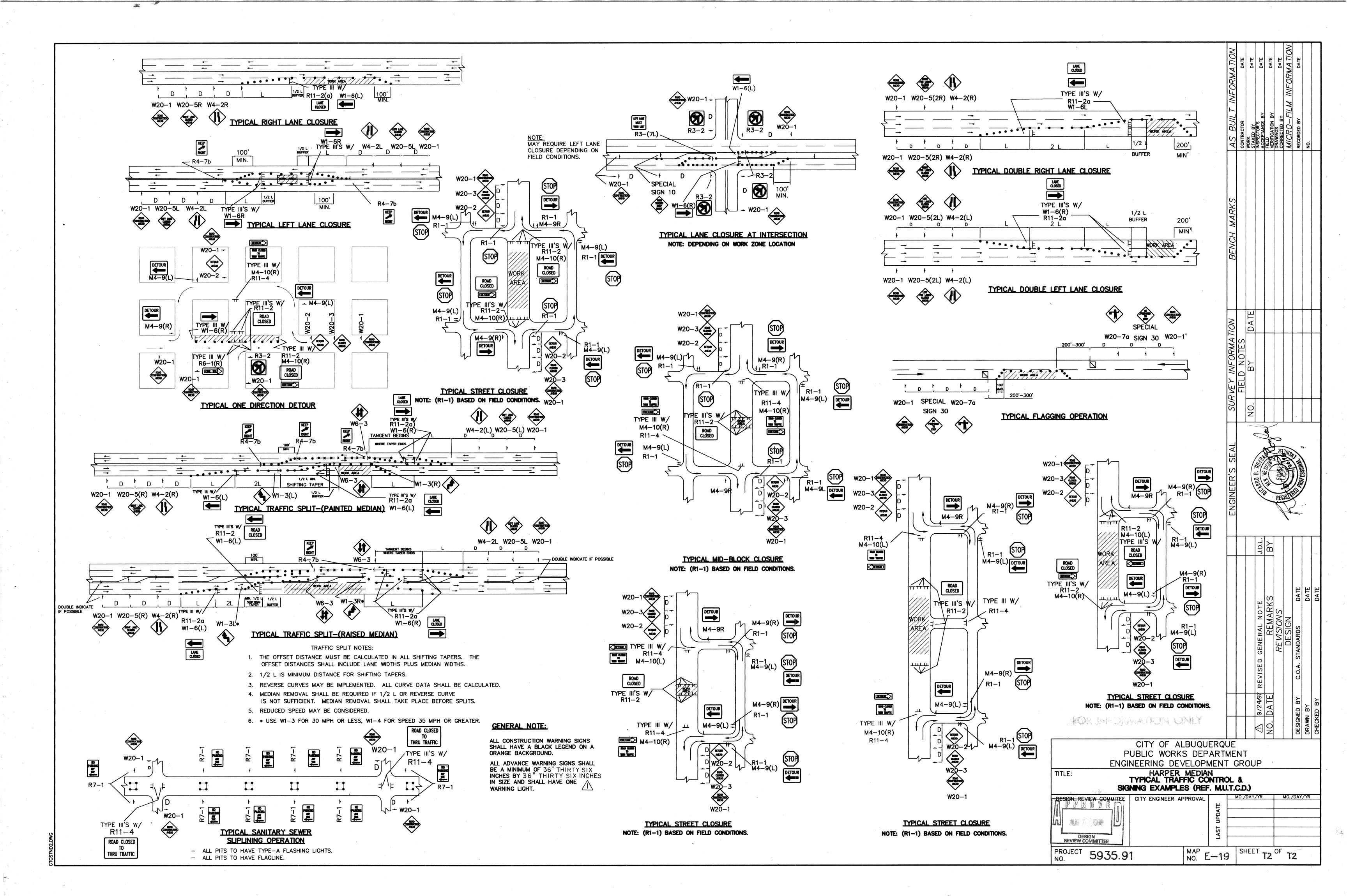
EQUAL

OF FILTER

INLINE PRESSURE REGULATOR

NOT TO SCALE

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CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

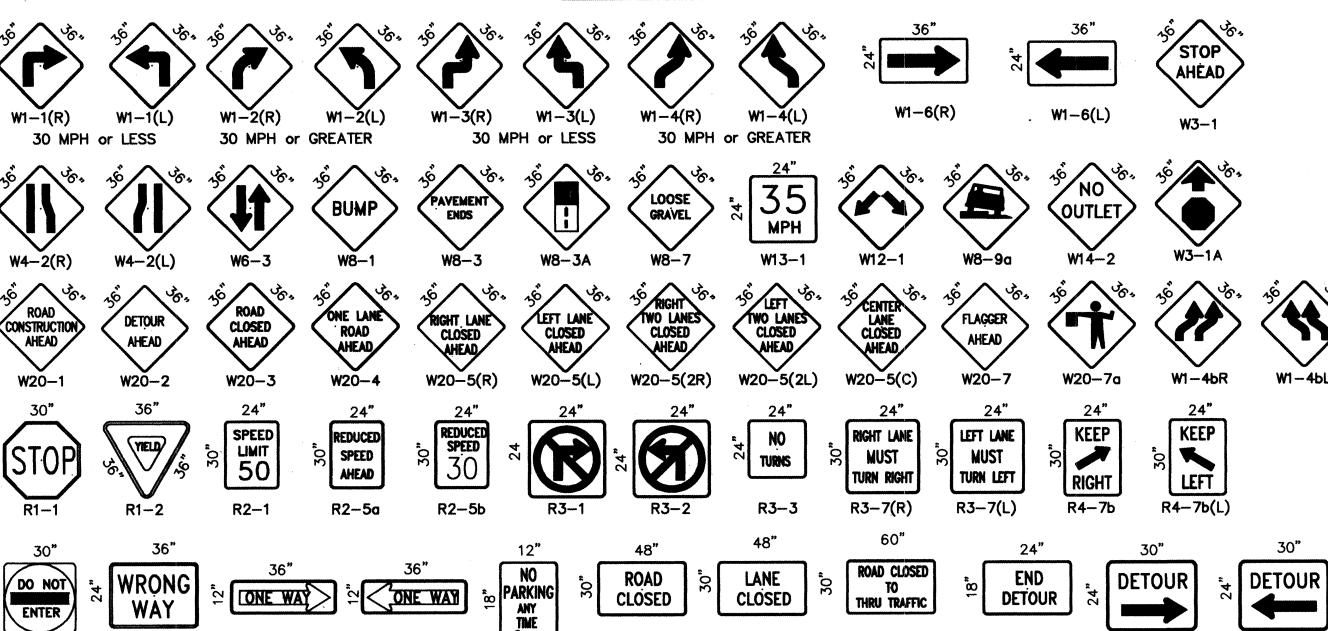
- CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT 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 A 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- 12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
- 13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- 14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- 15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- 16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE 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.
- -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.

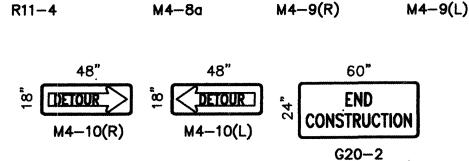
- 21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
- 22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING: STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION. 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 HEIGTH AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D. 3
- 27. CONTRACTOR SHALL MAINTAIN A GRAFFITI FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. 4

SPECIAL PROJECT TRAFFIC CONTROL NOTES

- A. CONTRACTOR SHALL NOT CLOSE MORE THAN ONE LANE AT AT TIME IN THE SAME DIRECTION ON HARPER ROAD.
- B. A TYPICAL LEFT LANE CLOSURE (SEE SHEET T2) SHALL BE THE BARRICADING PROCEDURE FOR THE MEDIAN LANDSCAPING CONSTRUCTION.
- C. NO LANE CLOSURES ON EASTBOUND HARPER ROAD SHALL BE PLACED BETWEEN 4:00 PM AND 7:00 PM, MONDAY THROUGH FRIDAYS.
- D. NO LANE CLOSURES ON WESTBOUND HARPER ROAD SHALL BE PLACED BETWEEN 6:00 AM AND 9:00 AM.
- E. CONTRACTOR SHALL NOT CLOSE MEDIAN OPENING OR EASTBOUND LEFT TURN LANE ON HARPER ROAD AT BARSTOW STREET AT ANY TIME, EXCEPT FOR CONSTRUCTION ON THE WATER IRRIGATION LINE.
- F. CONTRACTOR SHALL NOT BARRICADE MORE THAT 1,300 FEET AT AT TIME.
- G. CONTRACTOR SHALL PROMPLTY REMOVE ALL BARRICADES AND ADVANCE WARNING SIGNS IMMEDIATELY AFTER COMPLETING EACH WORK SHIFT.
- H. REGULATORY SIGNING MUST BE PROVIDED TO REDUCE SPEED LIMITS TO 25 MPH THROUGH THE ENTIRE CONSTRUCTION ZONE WHEN BARRICADING IS PRESENT.

SIGN FACE DETAILS





LEGEND

WORK AREA

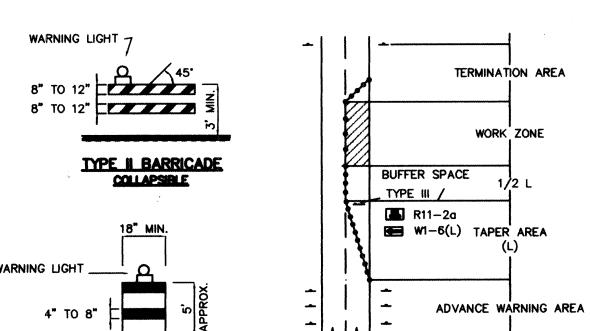
-WARNING LIGHT

HIGH LEVEL WARNING DEVICE

- 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

DATE DATE DATE DATE DATE DATE DATE DATE

- 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.



VERTICAL PANEL

8" TO 12"

8" TO 12"

8" TO 12"

BASE VARIES

CONES

TYPE III BARRICADE

warning light -

8" TO 12"

TRAFFIC CONTROL ELEMENTS

TAPER LENGTH (L) MINIMUM MAXIMUM DEVICE SPFFD

LIMIT	(FEET)			NUMBER	IN FEET	
(MPH)	10' LANE	11' LANE	12' LANE	OF DEVICES FOR TAPER	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

TAPER REQUIREMENTS

RECOMMENDED SIGN SPACING(D) FOR

ADVANC	E WARNING SI	GN SERIES		
SPEED MILES PER HOUR	MINIMUM DIST BETWEEN SIGNS	FANCE IN FEET 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 1/2 L MINIMUM SHIFTING TAPER

TWO-WAY TRAFFIC TAPER 100 FEET MAXIMUM

1/2 L MINIMUM

 $L = W \times S$

100 FEET PER LANE

TAPER LENGTH COMPUTATION

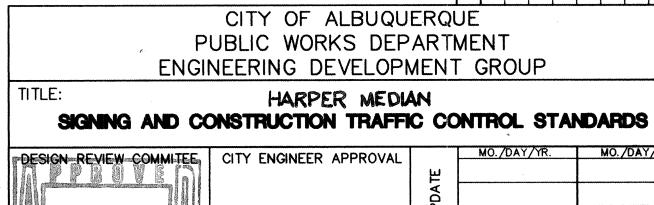
SPEED LIMIT 40 MPH OR LESS 45 MPH OR GREATER

SHOULDER TAPER

DOWNSTREAM TAPERS

L = TAPER LENGTHW = WDTH OF OFFSET IN FEET S = POSTED SPEED OR OFF-PEAK

85-PERCENTILE SPEED IN MPH SOU BROSHIED ONLY



SIGNING AND CO	INSTRUCTION TRAFF	TC CON	ITROL STAI	NDARDS
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YF
PROJECT 5935.9	1 MAP	-19	SHEET T1	OF T2

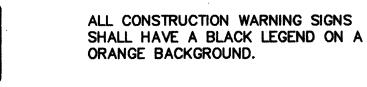
R5-1

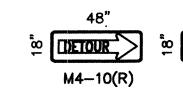
R5-1a

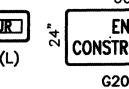
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