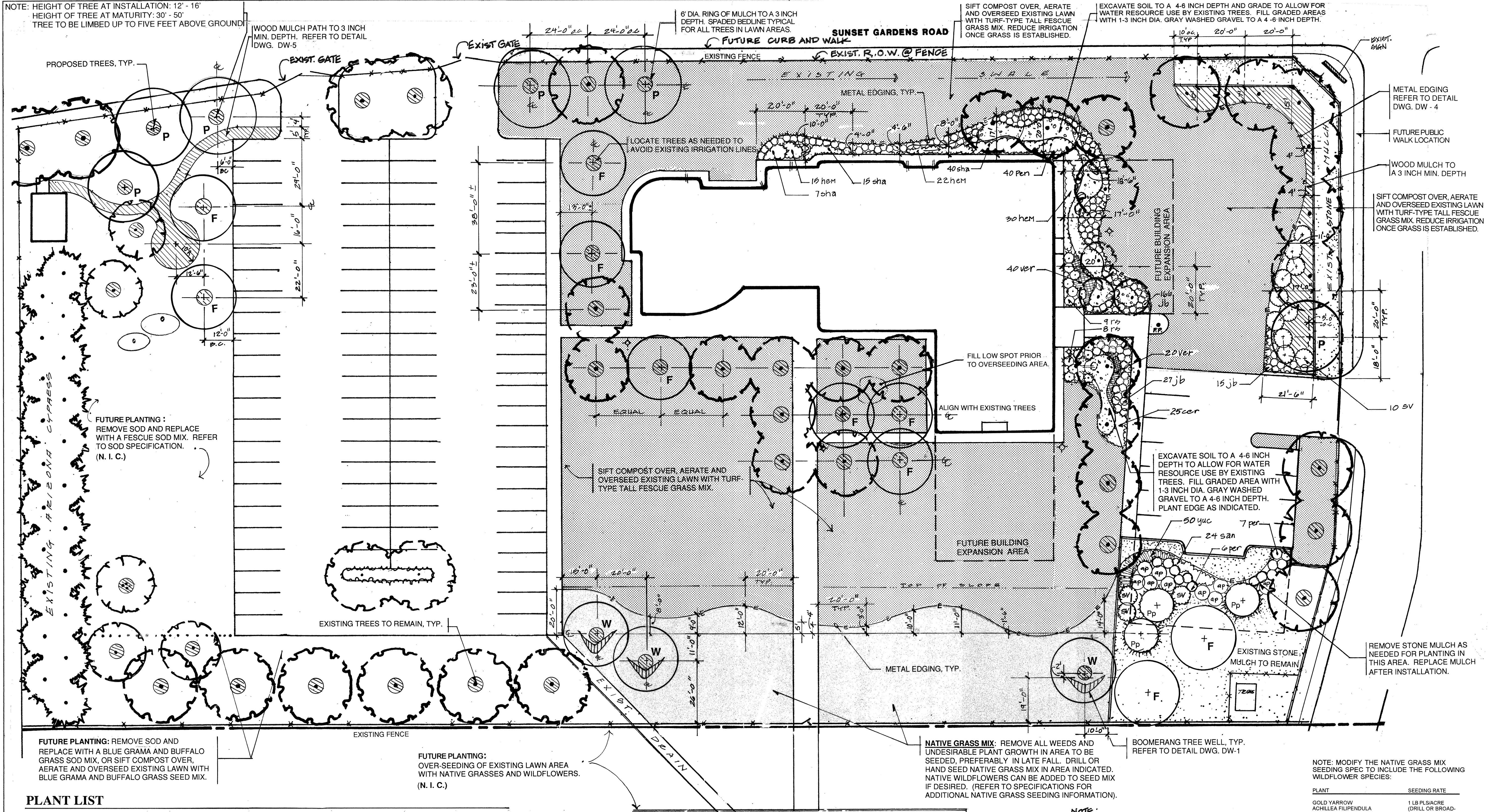


NOTE: HEIGHT OF TREE AT INSTALLATION: 12' - 16'
HEIGHT OF TREE AT MATURITY: 30' - 50'
TREE TO BE LIMBED UP TO FIVE FEET ABOVE GROUND



PLANT LIST

KEY	QTY	BOTANIC/COMMON NAME	SIZE	REMARKS	KEY	QTY	BOTANIC/COMMON NAME	SIZE	REMARKS
Trees									
W	3	Chilopsis linearis 'Hope' Hope Desert Willow Alt. Chilopsis linearis - Desert Willow	1-1 1/2' cal. 10-12' ht.	B&B	hem	52	Hemerocallis 'Baby Darling' Hybrid Evergreen Daylily Alt. 'Best of Friends', Chorus Line, Lavender Tonic, Little Fantasio, Little Maggie, Millie Schlumpf or Mae Graham Evergreen Daylilies	1 gal. 18" o.c.	Cont.
F	10	Fraxinus velutina 'Modesto' Modesto Ash	1 1/2' - 2' cal. 11-13' ht.	B&B	cer	25	Cerastium tomentosum Snow-in-Summer	1 gal. 15" o.c.	Cont.
P	6	Platanus occidentalis London Plane Tree	1 1/2' - 2' cal. 11-13' ht.	B&B	sha	62	Chrysanthemum maximum Shasta Daisy	1 gal. 15" o.c.	Cont.
Pp	3	Pinus edulis Pinon Pine	6-8' ht.	B&B	per	13	Perovskia atriplicifolia Russian Sage	1 gal.	Cont.
Shrubs									
ap	9	Fallugia paradoxa Apache Plume	1 gal.	Cont.	yuc	50	Hesperaloe parviflora Red Yucca	1 gal. 18" o.c.	Cont.
jb	166	Juniperus sabinia 'Buffalo' Buffalo Juniper	1 gal. 30" o.c.	Cont.	san	24	Santolina chamaecyparissus Santolina	1 gal.	Cont.
rs	17	Rosa 'Nearly Wild' Nearly Wild Rose (Alt. Fluttermby Rose or Rosa polyantha or Blue Mist Shrub)	1 gal.	Cont.	sib	15	Iris siberica 'Cesar's Brother' 'Cesar's Brother' Siberian Iris	1 gal. 18" o.c.	Cont.
sv	13	Syringa vulgaris 'Charles Joly' Charles Joly (purple) Common Lilac	5 gal.	Cont.	ver	60	Veronica pectinata Woolly Speedwell	1 gal.	Cont.

General Notes

- Refer to project specification & details manual for planting installation methods.
- Adjust proposed tree locations as needed to avoid existing irrigation lines.
- Remove all dead or dying existing trees and rootballs prior to installation of new plantings. (Approximately 6 trees to be removed).
- Verify the correct location of all existing underground utilities in the field prior to installation of plant material or irrigation system.
- Backfill mix for shrubs and trees: backfill mix by volume shall consist of 1 part soil amendment to 2 parts native soil. Native soil is to be cleared of all stone, debris, or other deleterious material. All stones over 1 inch diameter shall be removed.
- Soil preparation for perennials beds shall consist of placing 4 inches of soil amendment on top of the plant bed and tilling it in to an 8 inch depth.
- Soil amendment shall consist of composted cotton burs that have been freeze defoliated. Source: Soil Conditioner - Back to Earth Resources (214) 373-6776, or approved equal.
- Stone mulch for perennials beds: 3/4-1 inch diameter stone, placed to a 3 inch depth, except at plant stems. (Refer to detail Dwg. DW-2).
- stone mulch for all other areas indicated: 1-3 inch diameter gray washed gravel, placed to depth indicated. Submit samples of all mulch materials for the Owner's representative approval, prior to purchase.
- Wood mulch for all shrub beds, tree pits and bark mulch path: Mulch shall consist of aged wood mulch supplied by the Albuquerque parks department.
- Planting shall be completed in accordance with the specific details for specific site conditions, as indicated in the planting details provided.

Symbols Key

	EXISTING TREES		PROPOSED NATIVE GRASS MIX
	PROPOSED TREES		PROPOSED TURF-TYPE TALL FESCUE GRASS MIX
	EXIST. GRAVEL MULCH		PROPOSED GRAVEL MULCH
	PROPOSED WOOD BARK MULCH		PROPOSED METAL EDGING

Scale: 1" = 20' - 0"

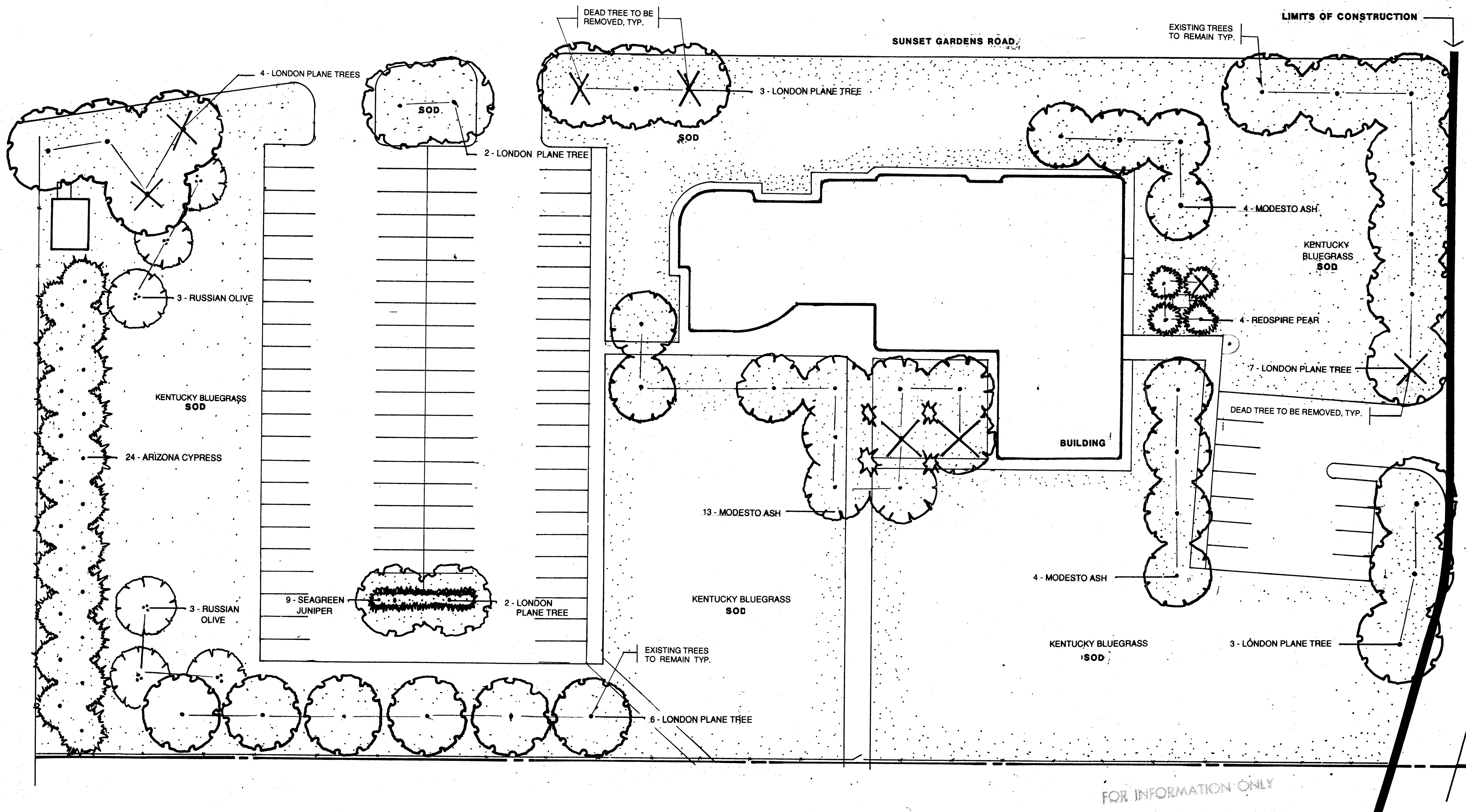


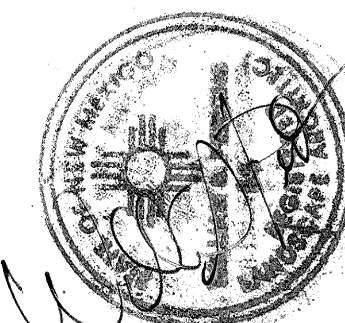
NOTE: MODIFY THE NATIVE GRASS MIX SEEDING SPEC TO INCLUDE THE FOLLOWING WILDFLOWER SPECIES:

PLANT	SEEDING RATE
GOLD YARROW ACHILLEA FILIPENDULA	1 LB PLS/ACRE (DRILL OR BROADCAST TO 1/4" DEPTH)
PRAIRIE PENSTEMON PENSTEMON STRICTUS	4 LBS PLS/ACRE (DRILL OR BROADCAST TO 1/4" DEPTH)
WHITE YARROW ACHILLEA MILLEFOLIUM	1 LB PLS/ACRE (DRILL OR BROADCAST TO 1/4" DEPTH)
PURPLE ASTER ASTER BIGELOWII	5 LBS PLS/ACRE (BROADCAST TO 1/3" DEPTH)
SCARLET BUGLER PENSTEMON BARBATUS	5 LBS PLS/ACRE (DRILL OR BROADCAST TO 1/4" DEPTH)

NOTE: NO PLANTS TO BE PLACED WITHIN THE REQUIRED CLEAR SIGHT TRIANGLE.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: ALBUQUERQUE FIRE ACADEMY PLANTING PLAN			
Design Review Committee	City Engineer Approval	Last Design Update	
City Project No. 5896.91	Activity No. 7225050	Zone Map No. L-8-Z	Sheet 5 of 6



						LANDSCAPE ARCHITECT'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
								FIELD NOTES				CONTRACTOR	
								NO.		BY		DATE	
												INSPECTOR'S NAME	
												DATE	
												DATE	
NO.		DATE		REMARKS						VERIFICATION BY		DATE	
												RECORDED BY	
												DATE	
												NO.	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ALBUQUERQUE FIRE ACADEMY
EXISTING VEGETATION DEMOLITION PLAN

Design Review Committee

APPROVED

DESIGN REVIEW COMMITTEE

City Engineer Approval

APPROVED

CITY ENGINEER

Last Design Update

City Project No.

5896.91 - 7225050

Activity No.

Zone Map No.

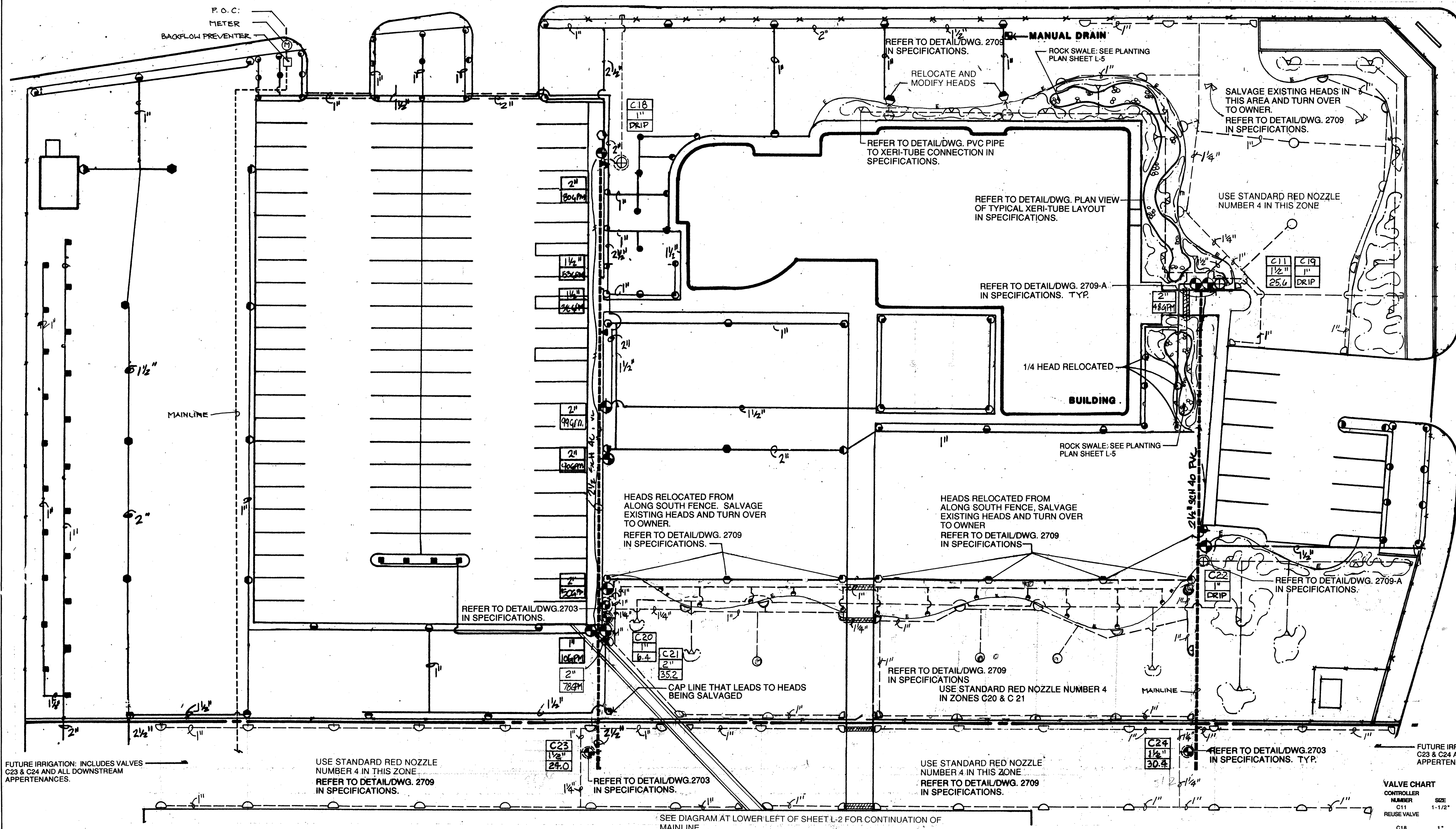
L-8-Z

Sheet

L4

Of

6



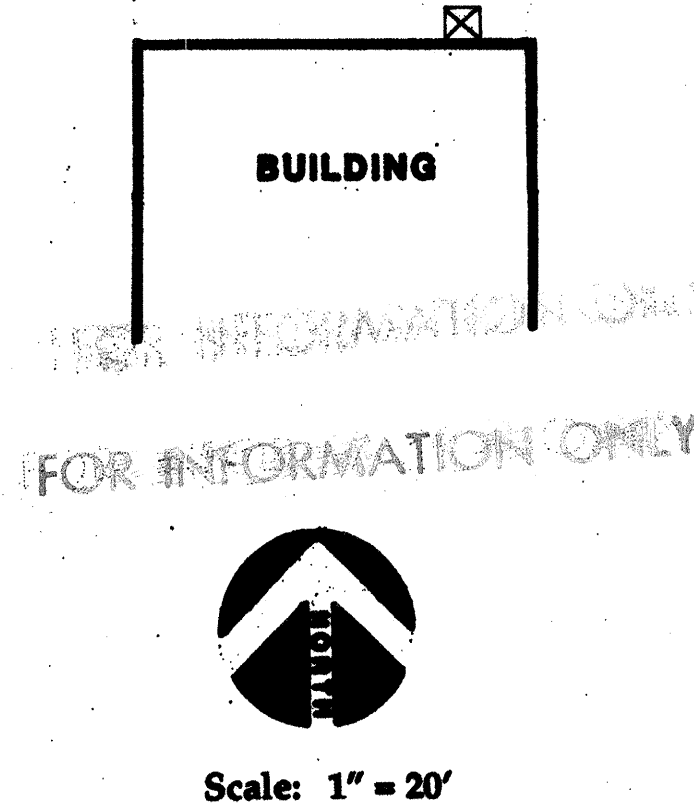
IRRIGATION NOTES:

- 1. LOCATIONS OF IRRIGATION LINES, VALVES, HEADS, AND ALL OTHER RELATED IRRIGATION APPURTENANCES SHOWN ON THESE DRAWINGS ARE DIAGRAMMATIC ONLY. THE EXACT LOCATION OF THE ABOVE NEED TO BE APPROVED BY THE OWNERS REPRESENTATIVE.
- 2. STAKE ALL UTILITIES, INCLUDING SEWER AND DRAINAGE PRIOR TO ANY EXCAVATION FOR IRRIGATION.
- 3. SIMULTANEOUS FIELD STAKING OF PLANT MATERIAL AND IRRIGATION LAYOUT IS REQUIRED FOR LANDSCAPE ARCHITECTS APPROVAL BEFORE PROCEEDING WITH THE IRRIGATION WORK.
- 4. MAINLINE IS TO BE BURIED A MINIMUM OF 28". THE LATERAL LINES ARE TO BE BURIED A MINIMUM OF 18".
- 5. ALL IRRIGATION PIPE UNDER PAVEMENT TO BE PLACED IN A SLEEVE TWO SIZES LARGER THAN THE PIPE BEING SLEEVED, OR THE COMBINED DIAMETERS OF THE PIPES BEING SLEEVED. COORDINATE WITH CONCRETE WORK TO PLACE SLEEVES UNDER PAVEMENT.
- 6. RADIUS ADJUSTMENT SHALL BE MADE ON ALL HEADS FOR OPTIMUM COVERAGE AND MINIMIZE OVERSPRAY ONTO PAVED SURFACES OR WALLS.
- 7. IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 50 PSI DOWNSTREAM OF THE PRESSURE REGULATOR, INSTALLED AT THE POINT OF CONNECTION. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT SUFFICIENT PRESSURE IS AVAILABLE AT THE SOURCE FOR THE SYSTEM TO OPERATE AS DESIGNED AT THE SPECIFIED PRESSURE.
- 8. THE EXISTING IRRIGATION SYSTEM TO REMAIN IN PLACE SHALL BE PRESERVED AND PROTECTED. THE EXISTING SYSTEM SHALL BE CHECKED AND READJUSTED AS NEEDED TO ASSURE THAT A FULLY OPERATIONAL SYSTEM IS IN WORKING ORDER.
- 9. THE NEW ZONE VALVES ARE TO BE WIRED TO THE EXISTING TORO H-300 SERIES 24 STATION CONTROLLER. SEE PLAN FOR SPECIFIC ZONE LOCATION, CONTROLLER STATION HOOK-UP AND CONTROLLER LOCATION.
- 10. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

EXISTING IRRIGATION SCHEDULE	
KEY	PRODUCT DESCRIPTION
	TORO H - 300 SERIES 24 STATION AUTOMATIC CONTROLLER (140-06-24)
	FENCO MODEL 710 2" ATMOSPHERIC VACUUM BREAKER
	CHAMPION 300 VALVE MANUAL DRAIN
	TORO SERIES 470 1" QUICK COUPLING VALVE (474-10)
	TORO SERIES 216 AUTOMATIC VALVE, SIZED PER PLAN
	TORO SERIES SUPER S610 GEAR DRIVEN SPRINKLER (S-610-02-6)
	TORO SERIES SUPER S610 GEAR DRIVEN SPRINKLER (S-611-02-6)
	TORO SERIES SUPER S610 GEAR DRIVEN SPRINKLER (S-612-02-6)
	TORO SERIES SUPER S610 GEAR DRIVEN SPRINKLER (S-613-02-6)
	TORO SERIES SUPER S610 GEAR DRIVEN SPRINKLER (S-614-02-6)
	TORO SERIES S70 POP-UP SPRAY SPRINKLER (S70P-15-Q)
	TORO SERIES S70 POP-UP SPRAY SPRINKLER (S70P-15-H)
	TORO SERIES S70 POP-UP SPRAY SPRINKLER (S70P-15-270)
	TORO SERIES S70 POP-UP SPRAY SPRINKLER (S70P-15-F)
	TORO SERIES S70 ADJUSTABLE STREAM BUBBLER (SB-2-180)
	TORO SERIES S70 BUBBLER (FB 200 AD-JPC)
	MAIN, SCHEDULE 40 PVC.
	LATERAL, CLASS 200 PVC.
	SOLID COPPER CONTROL WIRE
	POINT OF CONNECTION

PROPOSED IRRIGATION SCHEDULE

SYMBOL	TYPE	MODEL	MANUF'R	DESCRIPTION
	GEAR DRIVEN ROTARY	I-20-ADV	HUNTER	4" GEAR DRIVEN ROTARY POP-UP HEAD, ADJUSTABLE ARC, STANDARD RED NOZZLES NO. 4 & 9. SEE LOCATION AREAS ON VALVE CHART. SEE DETAIL 270 PUP-UP-SPRAY SPRINKLER 570P-15-Q, 570P-15-H, SEE DETAIL 2709
	POP-UP-SPRAY	SERIES 570	TORO	DISTRIBUTION TUBING WITH PRESSURE COMPENSATING EMITTERS, 50 PSI, 12" SPACING. SEE DETAILS PLAN VIEW OF TYPICAL XERI-TUBE LAYOUT AND PVC PIPE TO XERI-TUBE CONNECTION
	DISTRIBUTION TUBING	XBC-20-12-500	RAINBIRD	1" ELECTRIC REMOTE CONTROL VALVE, 24 VAC, W/RAINBIRD PSI-HMB-25 PRESSURE REDUCER, AND RAINBIRD, RBY-100-100MX "Y"-FILTER SEE DETAIL 2709-A
	DRIP VALVE	PESB-SERIES	RAINBIRD	BRASS BODY, ELECTRIC REMOTE CONTROLLED VALVE, 24 VOLT, FLOW CONTROL STEM, W/ DOWNSTREAM INTERNAL BLEED, SIZE AS PER PLAN. SEE DETAIL 2703
	ELEC. VALVE	8200 BCR	WEATHERMATIC	SCHEDULE 40 PVC. 18" BURY DEPTH. SIZE AS PER PLAN. CLASS 200 PVC. SLEEVE TWO SIZES LARGER THAN PIPE OR PIPES BEING SLEEVED.
	LATERAL LINE-NEW			
	SLEEVE			
	METAL EDGING			
	FUTURE IRRIGATION ZONE			



Scale: 1" = 20'

VALVE CHART				
CONTROLLER NUMBER	SIZE	HEAD TYPE	NOZZLE	TOTAL GPM
C11 REUSE VALVE	1-1/2"	HUNTER I-20-APV	#4	25.6
C18	1"			DRIP
C19	1"			DRIP
C20	1"	HUNTER I-20-APV	#4	6.4
C21	2"	HUNTER I-20-APV	#4	35.2
C22	1"			DRIP
C23	1 1/2"	HUNTER I-20-APV	#4	24
C24	1 1/2"	HUNTER I-20-APV	#4	30.4

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE FIRE ACADEMY
PROPOSED IRRIGATION PLAN**

Design Review Committee
APPROVED
DESIGN REVIEW COMMITTEE

City Engineer
APPROVED
CITY ENGINEER

City Project No. 5896.91 - 7225050

Zone Map No. L-8-Z

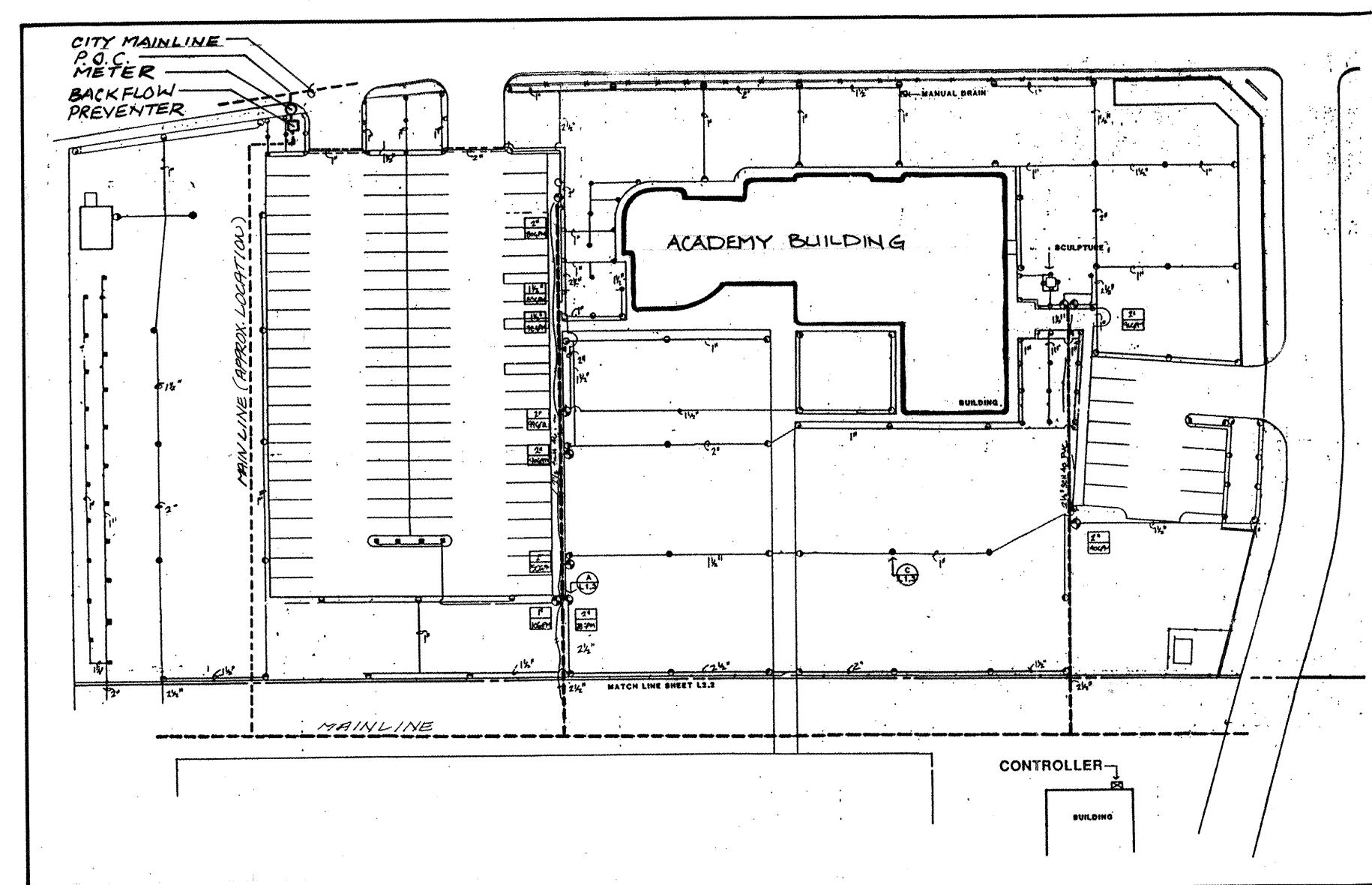
Sheet L3 - Of 6

REVISIONS

NO.	DATE	REMARKS	BY

DESIGNED BY - MEL DATE - 3-17-98
DRAWN BY - MEL DATE - 3-17-98
CHECKED BY - KB DATE - 5-11-98

LANDSCAPE ARCHITECT'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		FIELD NO.	BY	DATE		CONTRACTOR	
						MARKED BY	
						DATE	
						ACCEPTANCE BY	
						DATE	
						FIELD ADJUSTMENT BY	
						DATE	
						DRAWINGS CORRECTED BY	
						DATE	
						MICRO-FILM INFORMATION	
						RECORDED BY	
						DATE	
						NO.	



NTS

KEY	PRODUCT DESCRIPTION
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LEGEND

THE DEMOLITION PLAN HAS BEEN PREPARED BY DESIGNWORKSHOP, INC. ON A BASE SHEET PREPARED FROM THE CONSTRUCTION DOCUMENTS ORIGINALLY PREPARED BY WALTER WEAVER LANDSCAPE ARCHITECT AS A PART OF THE PROJECT TO CONSTRUCT THE FIRE ACADEMY. THE ORIGINAL CONSTRUCTION DOCUMENTS WERE SUPPLIED TO DESIGN WORKSHOP BY THE OWNER. DESIGN WORKSHOP HAS NOT CONDUCTED DETAILED IN-FIELD VERIFICATION TO ATTEST TO THE ACTUAL FIELD CONDITIONS.

AREA OF HEADS TO BE SALVAGED AND
TURNED OVER TO THE OWNER.
EXCEPTIONS ARE THOSE HEADS TO
BE RELOCATED AS DIRECTED ON
DEMOLITION AND IRRIGATION PLANS.

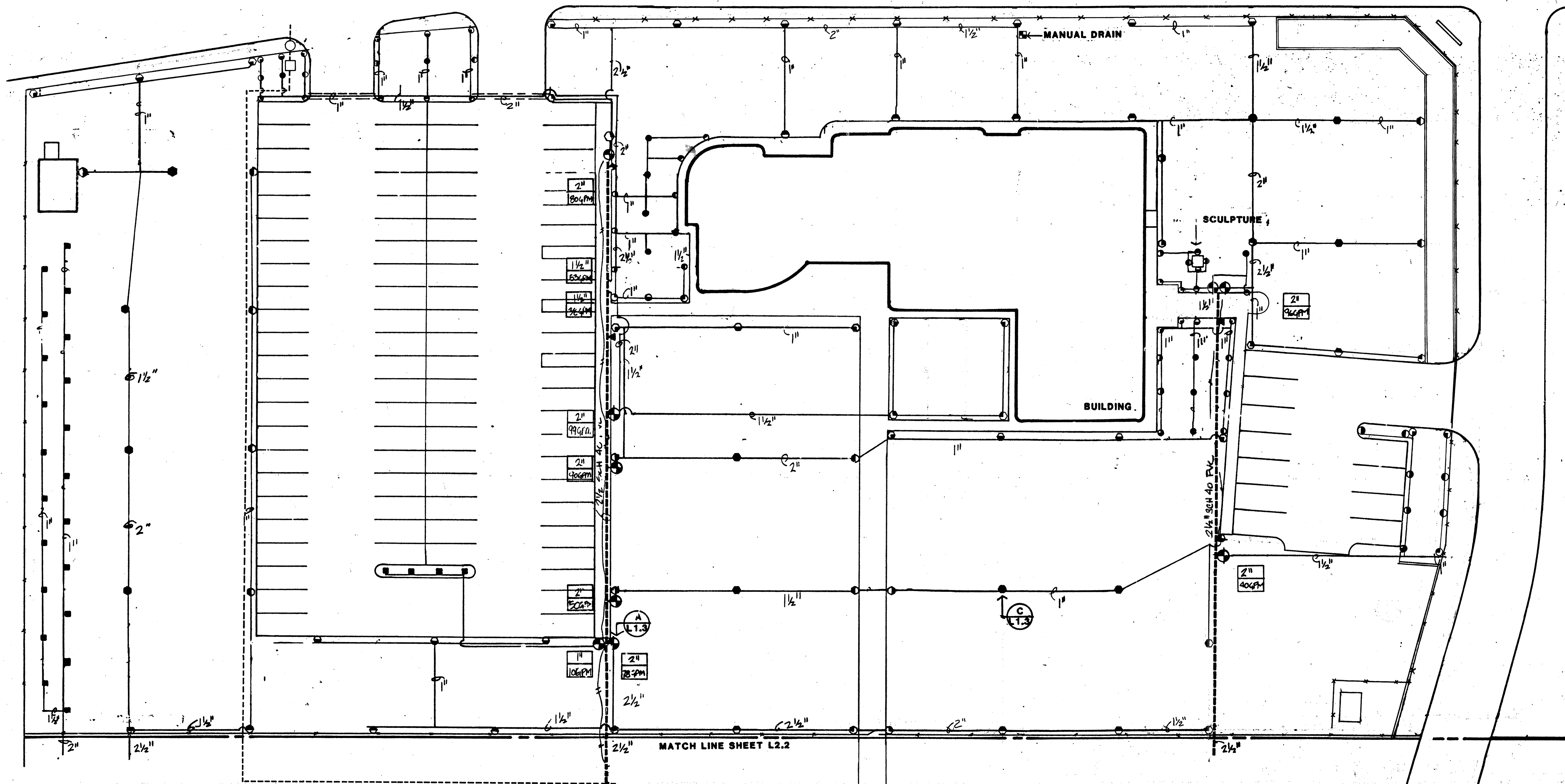
FOR INFORMATION ONLY

Design Review Committee		City Engineer Approval		Last Design Update	
Mo./Day/Yr.		Mo./Day/Yr.		Mo./Day/Yr.	
APPROVE		APPROVE			
JUN 24 1998		JUN 26 1998			
DESIGN REVIEW COMMITTEE		CITY ENGINEER			

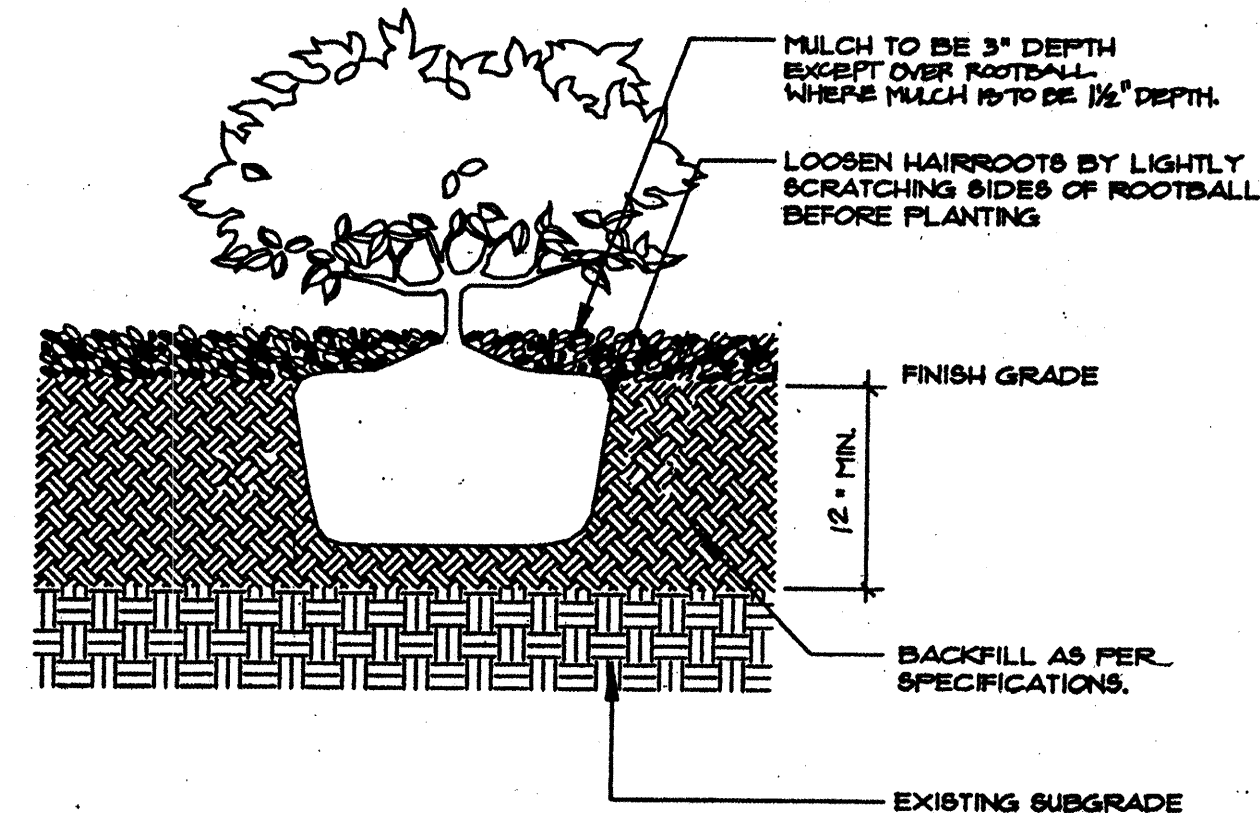
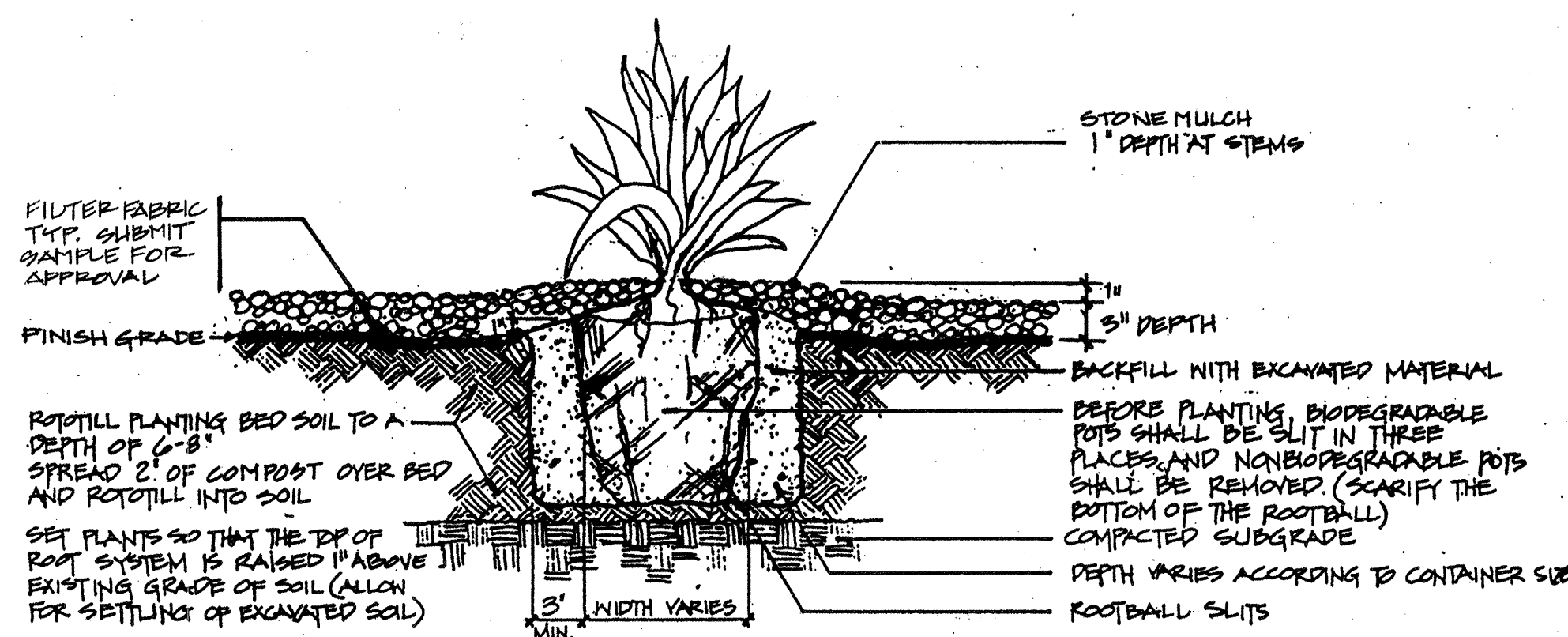
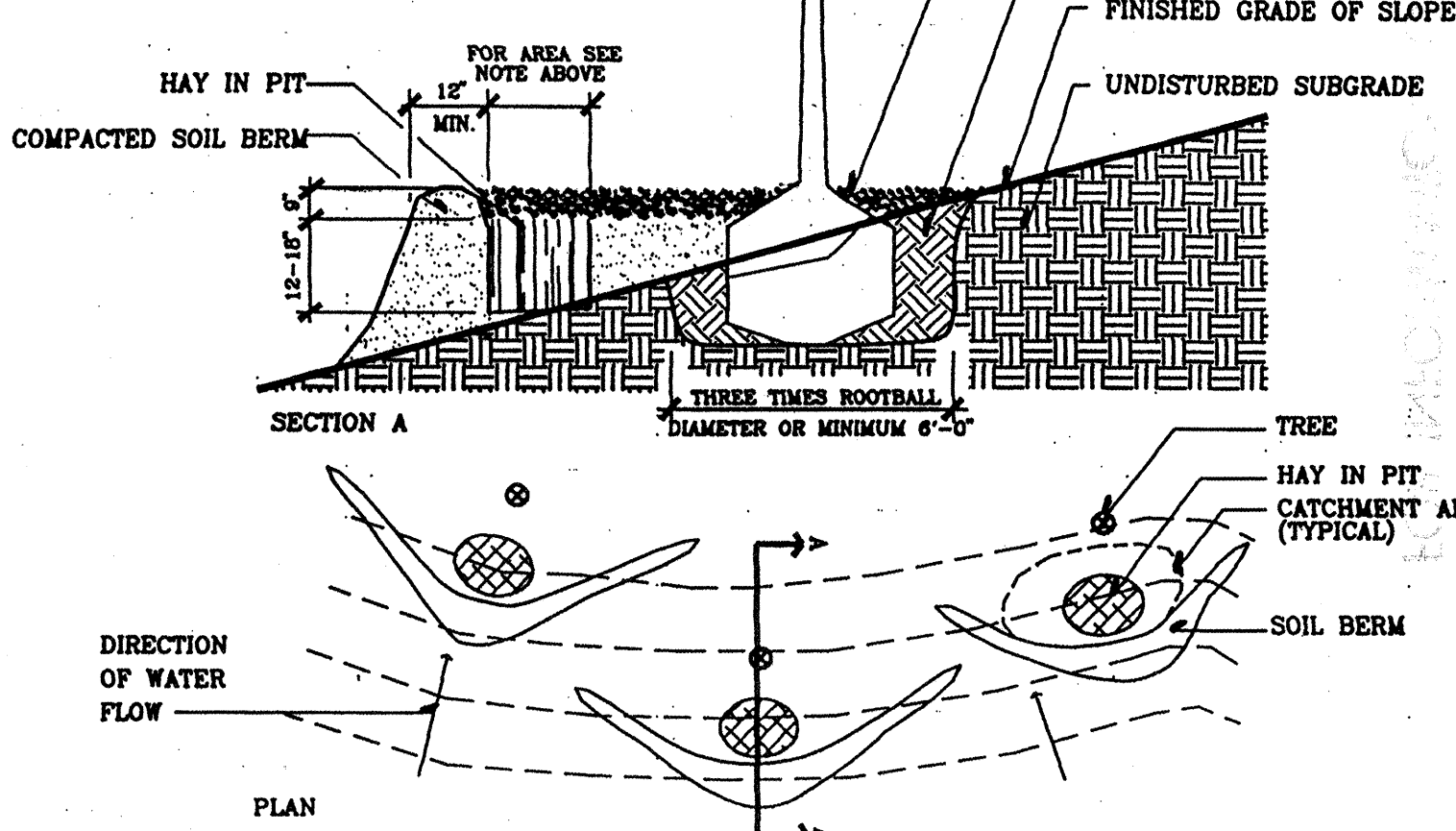
Sheet	Of
12	6

REVISIONS			
DESIGN			
NO.	DATE	REMARKS	BY

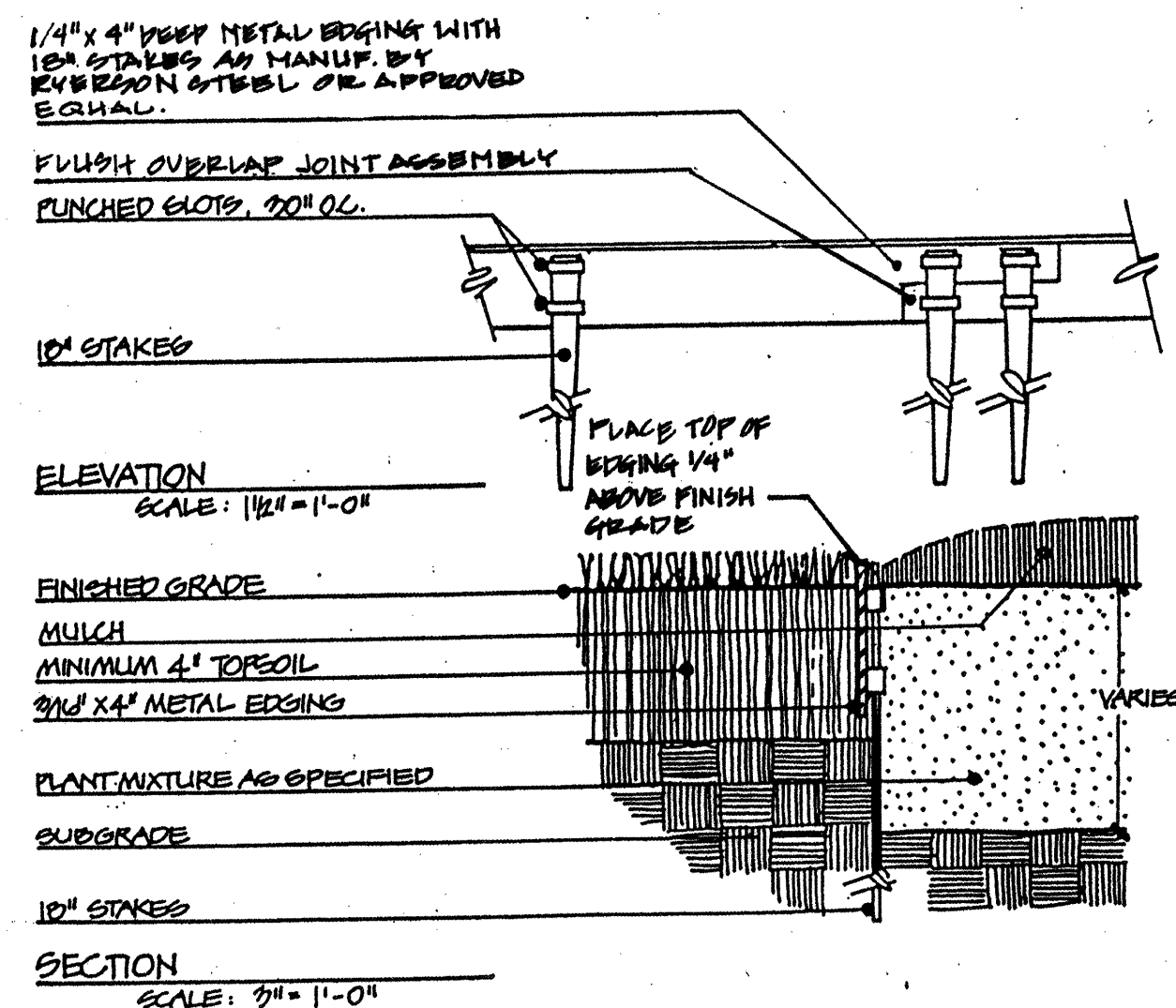
DESIGNED BY	MEL	DATE	3-17-98
DRAWN BY	MEL	DATE	3-17-98
CHECKED BY	W.J.	DATE	5-11-98



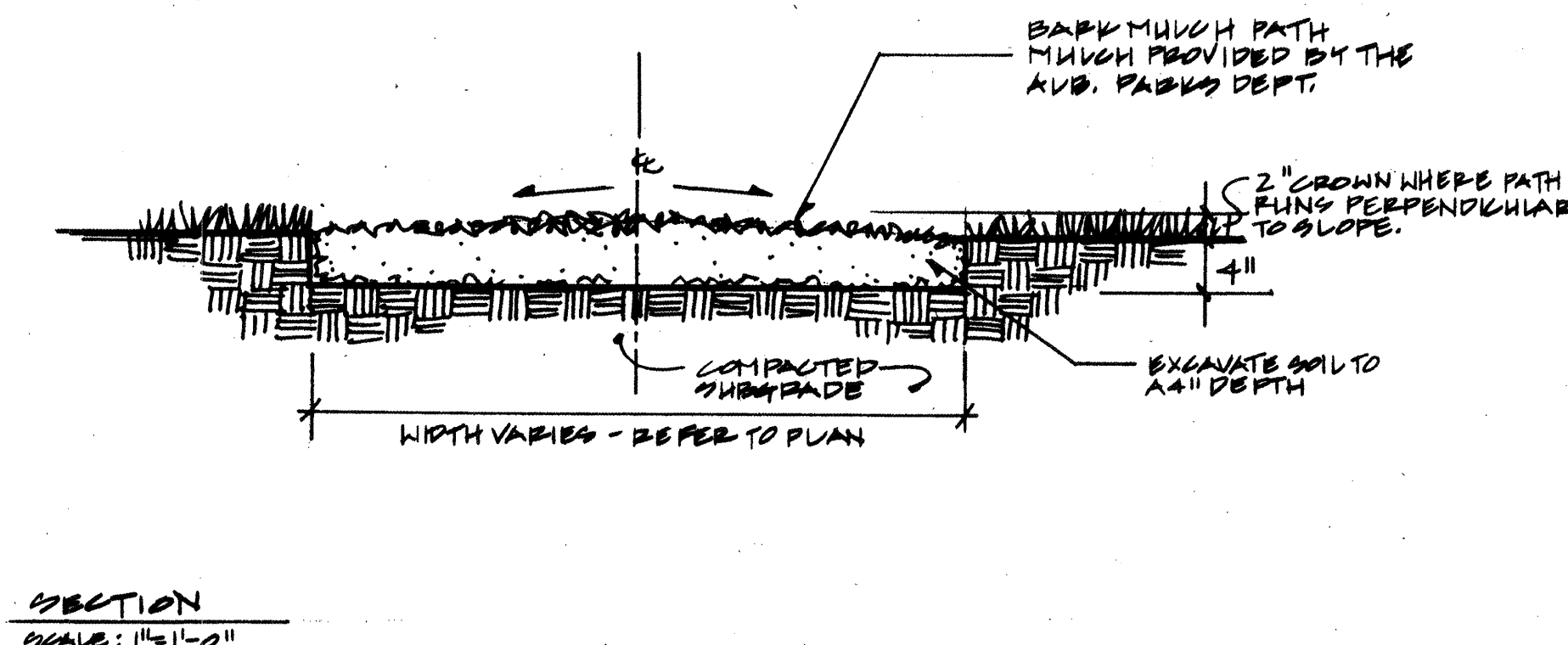
- NOTE:
TO DETERMINE AREA OF PIT:
• DETERMINE SQUARE FEET OF CATCHMENT AREA
(FOR EVERY 2 SQUARE FEET OF CATCHMENT AREA
THERE IS 1 GALLON OF WATER IN A 1" RAIN)
• FOR EVERY 7 GALLONS OF WATER THERE SHOULD
BE 1 CUBIC FOOT AREA OF PIT
• CATCHMENT AREA TO PIT SHOULD BE
20:1



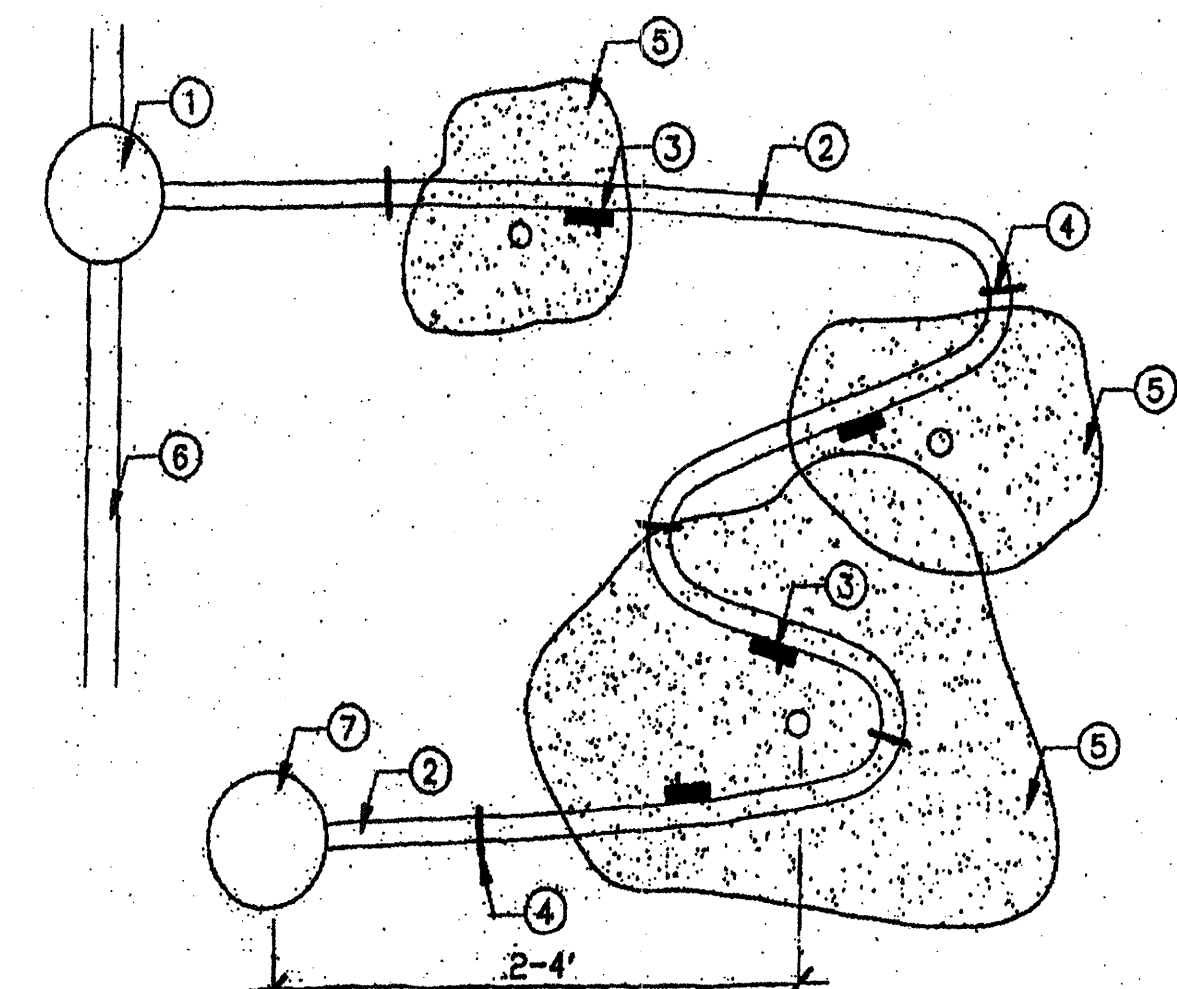
DW1
L6
BOOMERANG TREE WELL
NTS



DW2
L6
PERENNIAL PLANTING IN PLANT BED
NTS

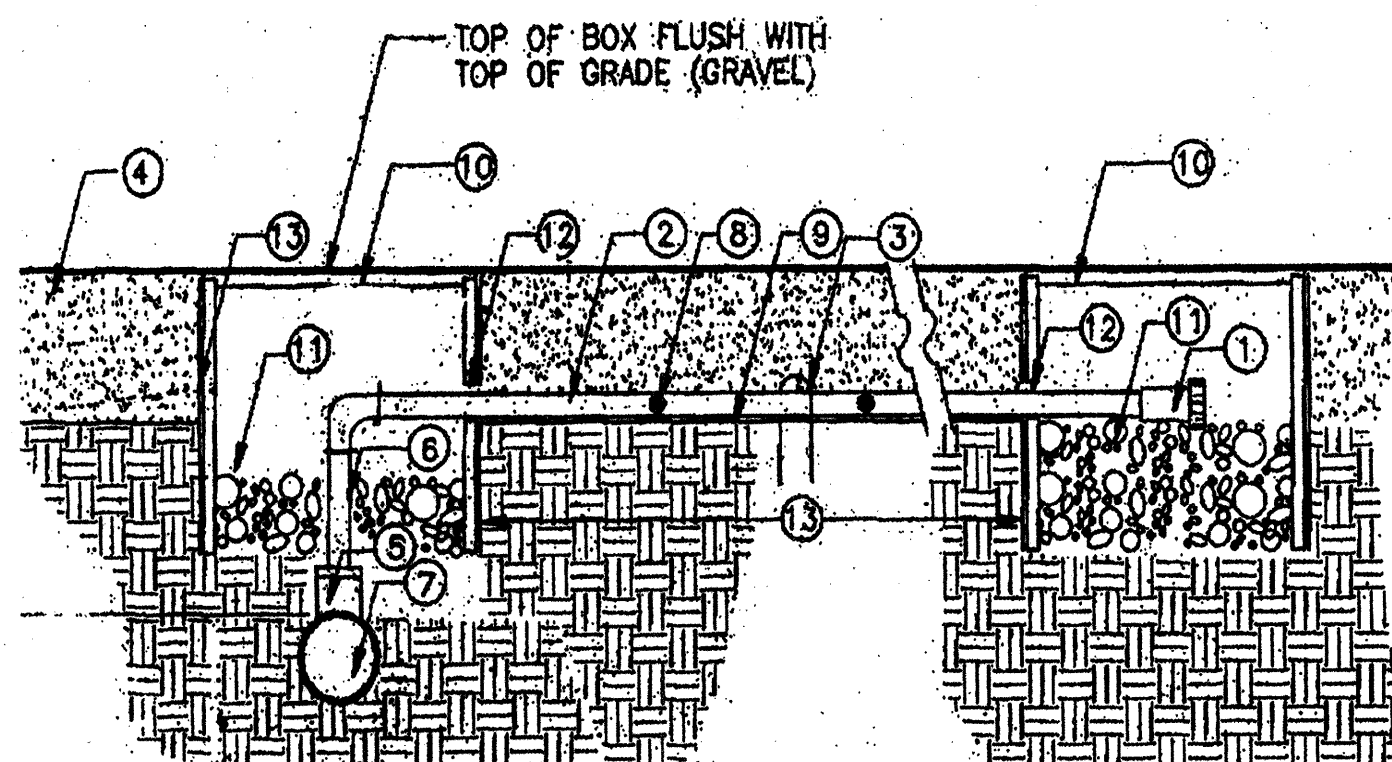


DW3
L6
SHRUB PLANTING IN PLANT BED
NTS



- SEE 'PVC PIPE TO XERI-TUBE CONNECTION' DETAIL W/ NDS 7" ROUND BOX W/ COVER
- RAIN BIRD #XT-050 XERI-TUBE
- RAIN BIRD XERI-BUG EMITTER
- RAIN BIRD #TDS-050 TIE-DOWN STAKE EVERY 4'
- PLANT MATERIAL
- PVC PIPE
- RAIN BIRD #CF-21 FLUSH CAP W/ NDS 7" ROUND BOX W/ COVER.

DW4
L6
METAL EDGING DETAIL
NTS



- RAIN BIRD #CF-21 FLUSH CAP
- RAIN BIRD #XT-050 XERI-TUBE
- RAIN BIRD #TDS-050 TIE-DOWN STAKE EVERY 4'
- 3" MULCH
- SCHEDULE 40, SLIP-SLIP-SLIP T BY 1/2" W/ 1/2" COMPRESSION ADAPTER
- PVC SCH 80 RISER (LENGTH AS REQ'D)
- PVC LATERAL LINE
- RAIN BIRD XERI-BUG EMITTER PLACE @ 90° ANGLE. EMITTER TO BE A MIN. OF 2" AND MAX. OF 3"
- FILTER FABRIC
- 7" NDS ROUND BOX WITH COVER
- 2-4" LAYER OF PEA GRAVEL
- EXTEND CUT-OUT IN NDS ROUND BOX TO ACCOMMODATE XERI-TUBE
- WRAP BOX WITH FILTER FABRIC

DW5
L6
WOOD MULCH PATH
NTS

DW6
L6
TYPICAL XERI-TUBE LAYOUT
NTS

DW7
L6
TYPICAL XERI-TUBE CONNECTION
NTS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: ALBUQUERQUE FIRE ACADEMY PLANTING DETAILS	
Design Review Committee APPROVED JUN 24 1998 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVE JUN 26 1998 CITY ENGINEER
City Project No. 5896.91 - 7225050	Activity No. Zone Map No. L-8-Z
Sheet L6	Of 6