

IRRIGATION LEGEND

IRRIGATION NOTES

- RAINBIRD #1400 SERIES BUBBLER (SEE COA STANDARD DETAIL DRAWINGS: 2710, 2711, 2711-A & 2712)
 - #1401 - 25 GPM
 - #1402 - 50 GPM
 - #1404 - 1.0 GPM
- ELECTRIC VALVE: RAINBIRD #150-PEB 1 1/2" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (SEE COA STANDARD DETAIL DRAWING: 2703)
- ELECTRIC VALVE: RAINBIRD #100-PEB 1" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (SEE COA STANDARD DETAIL DRAWING: 2703)
- ISOLATION VALVE ASSEMBLY (LINE SIZE) - SEE COA STANDARD DETAIL #2707
- FEBCO #825YA, REDUCED PRESSURE BACKFLOW PREVENTER WITH MASTER VALVE ASSEMBLY INSTALLED IN "CLAY" COLORED HOTBOX "HOT ROK" HEATED AND INSULATED BACKFLOW DEVICE ENCLOSURE - SEE PLAN FOR BACKFLOW SIZE (SEE DETAIL DRAWING: C/4)
- MASTERMETER FLOW METER WITH ELECTRICAL OUTPUT REGISTER - 1 PULSE = 1 GALLON - SEE DRAWING FOR SIZE (SEE DETAIL DRAWING: C/4)
- CRISPEN #UL10.1 1" UNIVERSAL AIR RELEASE VALVE ASSEMBLY
- CITY WATER METER - SENSUS WATER METER (SEE COA STANDARD DETAIL DRAWING: 2362 OR 2363) SEE PLAN FOR WATER METER SIZE
- MOTOROLA IRRINET "M" CONTROLLER WITH STRONGBOX ENCLOSURE, KEYPAD AND DOMED ANTENNA. UNIT SHALL COMMUNICATE ON COA RADIO FREQUENCY. (SEE DETAIL DRAWING: B/4 & D/4) (12 STATION OUTPUT)
- ELECTRICAL PULL BOX
- MAINLINE PIPING - SCH.40 PVC SOLVENT WELD PIPE (SEE PLAN FOR SIZE)
- LATERAL PIPING - SCH.40 PVC SOLVENT WELD (SIZE INDICATED ON PLAN - UNSIZED PIPE IS 3/4")
- SLEEVE PIPING - CLASS 200 PVC (TWO SIZES LARGER THAN PIPE TO BE SLEEVED)
- 120 VOLT ELECTRICAL POWER WIRE ROUTE
- VALVE ID NUMBER
- FLOW IN GALLONS PER MINUTE

- WATER PRESSURE:**
THE WATER PRESSURE AT THIS SITE HAS BEEN REPORTED AND NOTED ON THE CONSTRUCTION PLAN. THE CONTRACTOR SHALL VERIFY WATER PRESSURE AT THE NEAREST AVAILABLE FIRE HYDRANT PRIOR TO BEGINNING INSTALLATION OF IRRIGATION SYSTEM.
- SPECIFICATIONS AND DETAIL DRAWINGS:**
THE CONTRACTOR SHALL REFER TO THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS AND DETAIL DRAWINGS FOR IRRIGATION CONSTRUCTION. IN THE EVENT OF A CONFLICT BETWEEN SPECIFICATIONS AND IRRIGATION DESIGN, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IN WRITING. THE CONTRACTOR SHALL NOT PROCEED WITH INSTALLATION OF CONFLICTING IRRIGATION COMPONENTS UNTIL HE RECEIVES CLARIFICATION IN WRITING FROM THE PROJECT MANAGER.
- SCHEMATIC PIPE ROUTING:**
THE PIPE ROUTING SHOWN ON THESE PLANS IS SCHEMATIC AND MAY REQUIRE FIELD ADJUSTMENTS BY THE CONTRACTOR. WHEN POSSIBLE, THE CONTRACTOR SHALL INSTALL PIPING OUTSIDE OF ROOTZONE OF SHRUBS AND TREES. WHEN POSSIBLE, THE CONTRACTOR SHALL INSTALL PIPING CLOSE TO CENTER OF MEDIAN SO AS TO ALLOW FOR POSSIBLE FUTURE ROAD WIDENING.
- IRRIGATION SATELLITE:**
THE CONTRACTOR SHALL HAVE A RADIO SIGNAL STRENGTH SURVEY PERFORMED TO VERIFY PROPER RADIO COMMUNICATION FROM IRRINET "AGE" CONTROLLER LOCATION TO PROPOSED IRRINET "M" CONTROLLER LOCATION OR FROM IRRINET "AGE" LOCATION TO CENTRAL COMPUTER LOCATION. PRIOR TO THE INSTALLATION OF THE CONTROLLER, THE CONTRACTOR SHALL CONTACT: TIM CAVALIER (250-9530) FOR THIS SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE RADIO SIGNAL STRENGTH SURVEY.
- ROAD CROSSINGS:**
THE CONTRACTOR SHALL BORE ALL SLEEVE PIPE WHEN CROSSING PAVED SURFACES.
- BUBBLER CHECK VALVES:**
IT IS EXPECTED THAT THERE MAY BE LOW-HEAD DRAINAGE AT SOME OF THE BUBBLERS AT THE LOWER ELEVATIONS. IF PROBLEMATIC CONDITIONS APPEAR, THE CONTRACTOR SHALL INSTALL A RAINBIRD #ACV-050 CHECK VALVE ON ALL EFFECTED BUBBLERS. FOR BID OR PRICING PURPOSES THE CONTRACTOR SHALL ASSUME THE INSTALLATION OF CHECK VALVES ON ALL BUBBLERS AND INCLUDE THESE COSTS IN HIS BID.

**REDRAWN FOR
RECORD PURPOSES**

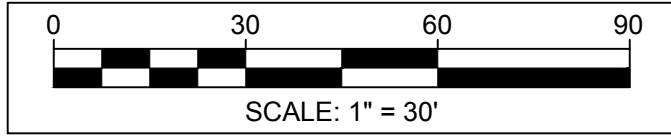
RECORD DRAWINGS

THIS RECORD DRAWING HAS BEEN PREPARED, BASED UPON INFORMATION FURNISHED BY THE CONTRACTOR. THE DESIGN PROFESSIONAL HAS NOT INDEPENDENTLY REVIEWED THE ACCURACY OF THE INFORMATION PROVIDED. THESE RECORD DRAWINGS ACCURATELY DEPICT THE FIELD CHANGES WHICH WERE REPORTED BY THE CONTRACTOR.



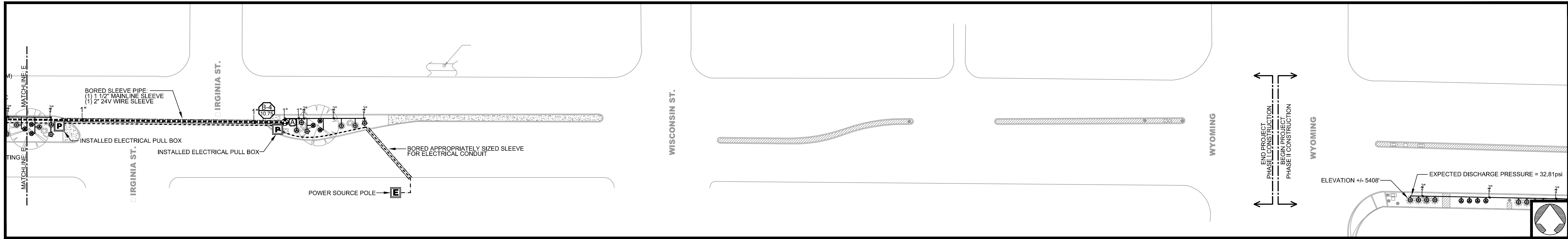
**Irrigation
Services**
Designers & Consultants LLC

















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CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM DEPARTMENT OF MUNICIPAL DEVELOPEMENT									
TITLE: PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY10-A CANDELARIA MEDIAN: LOUISIANA TO EUBANK (WO #2) - PHASE 1 IRRIGATION ASBUILT									
Design Review Committee		City Engineer Approval		Last Design Update		MO/DA/YR		MO/DA/YR	
						12/28/10			
City Project No. 771703		Zone Map No. H-18Z TO H-20Z		Sheet 1		Of 2			

SURVEY INFORMATION		BENCHMARK		AS BUILT INFORMATION	
FIELD NOTES					
NO.	BY	DATE		CONTRACTOR: MOUNTAIN WEST GOLFSAPES	
				WORK STAKED BY: R.M.	DATE: 08/10
				INSPECTOR'S APPROVAL: J.C.	DATE: 12/10
				FIELD VERIFICATION BY: R.M.	DATE: 12/10
				DRAWING CORRECTED BY: IS	DATE: 12/10
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE:
				NO.	



	RAINBIRD #1400 SERIES BUBBLER (SEE COA STANDARD DETAIL DRAWINGS: 2710, 2711, 2711-A & 2712)
	#1401 - 25 GPM #1402 - 50 GPM #1404 - 1.0 GPM
	ELECTRIC VALVE: RAINBIRD #150-PEB 1 1/2" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (SEE COA STANDARD DETAIL DRAWING: 2703)
	ELECTRIC VALVE: RAINBIRD #100-PEB 1" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (SEE COA STANDARD DETAIL DRAWING: 2703)
	ISOLATION VALVE ASSEMBLY (LINE SIZE) - SEE COA STANDARD DETAIL #2707)
	FIBCO #825YA REDUCED PRESSURE BACKFLOW PREVENTER WITH MASTER VALVE ASSEMBLY INSTALLED IN "CLAY" COLORED HOTBOX HEATED AND INSULATED BACKFLOW DEVICE ENCLOSURE - SEE PLAN FOR BACKFLOW SIZE (SEE DETAIL DRAWING: C/4)
	MASTERMETER FLOW METER WITH ELECTRICAL OUTPUT REGISTER - 1 PULSE = 1 GALLON - SEE DRAWING FOR SIZE (SEE DETAIL DRAWING: C/4)
	CRISPEM #UJ.1.0 1" UNIVERSAL AIR RELEASE VALVE ASSEMBLY
	CITY WATER METER - SENSUS WATER METER (SEE COA STANDARD DETAIL DRAWING: 2362 OR 2363) SEE PLAN FOR WATER METER SIZE
	MOTOROLA IRRINET "M" CONTROLLER WITH STRONGBOX ENCLOSURE, KEYPAD AND DOME ANTENNA. UNIT SHALL COMMUNICATE ON COA RADIO FREQUENCY. (SEE DETAIL DRAWING: B/4 & D/4) (12 STATION OUTPUT)
	ELECTRICAL PULL BOX
	MAINLINE PIPING - SCH.40 PVC SOLVENT WELD PIPE (SEE PLAN FOR SIZE)
	LATERAL PIPING - SCH.40 PVC SOLVENT WELD (SIZE INDICATED ON PLAN - UNSIZED PIPE IS 3/4")
	SLEEVE PIPING - CLASS 200 PVC (TWO SIZES LARGER THAN PIPE TO BE SLEEVED)
	120 VOLT ELECTRICAL POWER WIRE ROUTE
	VALVE ID NUMBER
	FLOW IN GALLONS PER MINUTE

WATER PRESSURE: THE WATER PRESSURE AT THIS SITE HAS BEEN REPORTED AND NOTED ON THE "CONTRACTOR SHALL BORE ALL SLEEVE PIPE WHEN CROSSING PAVED SURFACES. AT THE NEAREST AVAILABLE FIRE HYDRANT PRIOR TO BEGINNING INSTALLATION OF IRRIGATION SYSTEM.

SPECIFICATIONS AND DETAIL DRAWINGS: THE CONTRACTOR SHALL REFER TO THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR IRRIGATION CONSTRUCTION. IN THE EVENT OF A CONFLICT BETWEEN SPECIFICATIONS AND IRRIGATION DESIGN, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IN WRITING. THE CONTRACTOR SHALL NOT PROCEED WITH ANY CONFLICTING COMPONENTS UNTIL HE RECEIVES CLARIFICATION IN WRITING FROM THE PROJECT MANAGER.

SCHEMATIC PIPE ROUTING: THE PIPE ROUTING SHOWN ON THESE PLANS IS SCHEMATIC AND MAY REQUIRE FIELD ADJUSTMENTS BY THE CONTRACTOR, WHEN POSSIBLE. THE CONTRACTOR SHALL INSTALL PIPE OUTSIDE OF SHRUBS AND TREES, WHEN POSSIBLE. THE CONTRACTOR SHALL INSTALL PIPE CLOSE TO CENTER OF MEDIAN SO AS TO ALLOW FOR POSSIBLE FUTURE ROAD WIDENING.

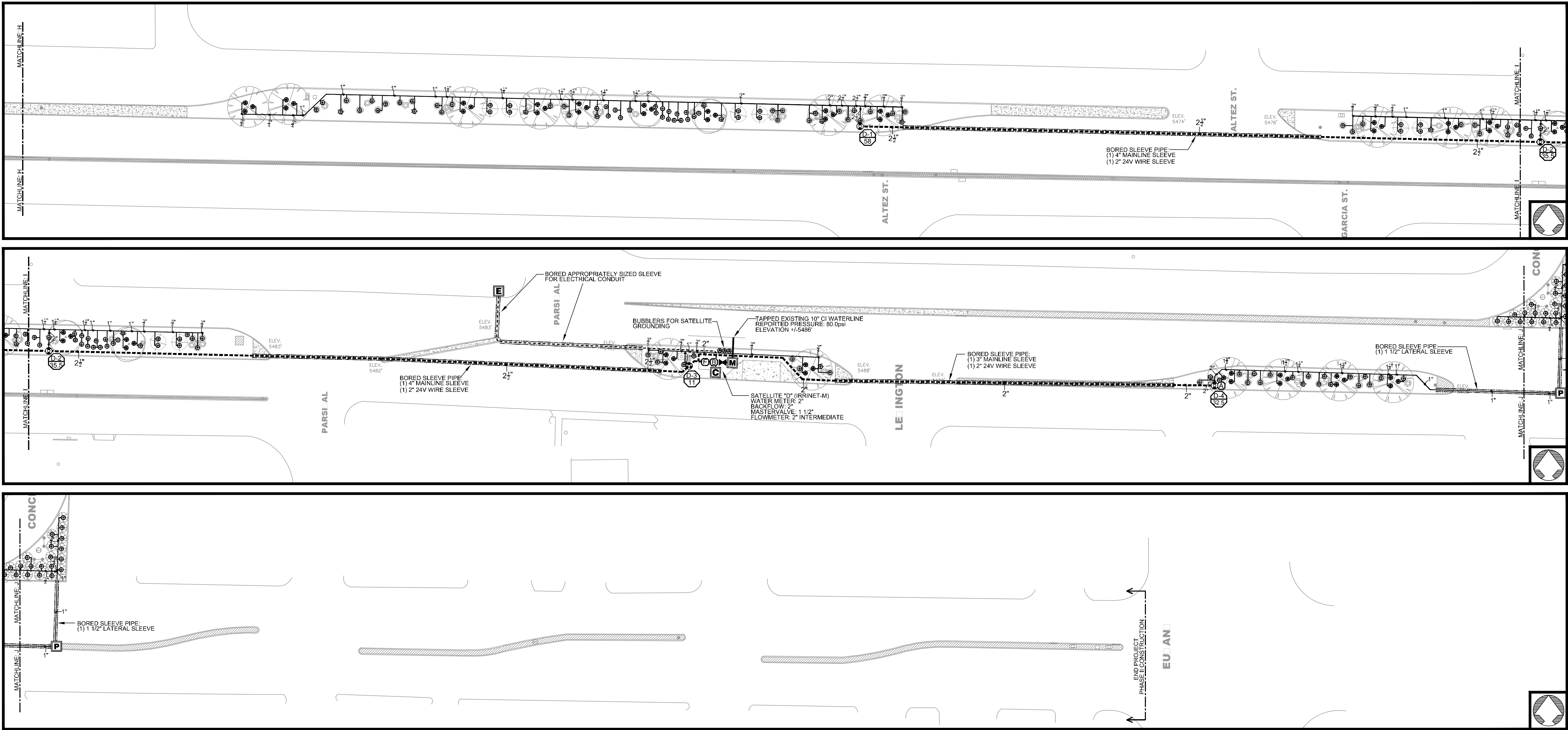
IRRIGATION SATELLITE: THE CONTRACTOR SHALL HAVE A RADIO SIGNAL STRENGTH SURVEY PERFORMED TO VERIFY PROPOSED WIRELESS COMMUNICATION FROM IRRINET "ACE" CONTROLLER LOCATION TO PROPOSED IRRINET "M" CONTROLLER LOCATION OR FROM IRRINET "ACE" LOCATION TO CENTRAL COMPUTER LOCATION, PRIOR TO THE INSTALLATION OF THE CONTROLLER. THE CONTRACTOR SHALL PROVIDE A 10M CAVIAR (28500) TO THE SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE RADIO SIGNAL STRENGTH SURVEY.

ROAD CROSSINGS: THE CONTRACTOR SHALL BORE ALL SLEEVE PIPE WHEN CROSSING PAVED SURFACES.

BUBBLER CHECK VALVES: IT IS EXPECTED THAT THERE MAY BE LOW-HEAD DRAINAGE AT SOME OF THE BUBBLERS AT THE LOWER ELEVATIONS. IF PREDICTABLE CONDITIONS APPEAR, THE CONTRACTOR SHALL INSTALL A RAINBIRD #ACV-650 CHECK VALVE ON ALL EFFECTED BUBBLERS. FOR BID OR CONTRACT, THE CONTRACTOR SHALL PROVIDE THE INSTALLATION OF CHECK VALVES ON ALL BUBBLERS AND INCLUDE THESE COSTS IN HIS BID.

<p align="center">CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM DEPARTMENT OF MUNICIPAL DEVELOPEMENT</p>			
<p>TITLE: PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY10-A CANDELARIA MEDIAN: LOUISIANA TO EUBANK (WO #2) - PHASE 1 IRRIGATION ASBLUT 12/28/10</p>			
<p>Design Review Committee</p>	<p>City Engineer Approval</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Last Design Update</p>	<p align="center"><small>MO./DAY/YR</small></p> <p align="center">12/28/10</p>
<p>City Project No. 771703</p>		<p align="center">Zone Map No. H-18Z TO H-20Z</p>	<p align="center">Sheet 2 Of 2</p>

NO.	DATE	REVISIONS / REMARKS	BY	SEAL	SURVEY INFORMATION		BENCHMARK	AS BUILT INFORMATION	
					FIELD NOTES			CONTRACTOR: MOUNTAIN WEST GOLFSCAPES	
					NO.	BY		WORK STAKED BY: R.M.	DATE: 08/10
								INSPECTOR'S APPROVAL: J.C.	DATE: 12/10
								FIELD VERIFICATION BY: R.M.	DATE: 12/10
								DRAWING CORRECTED BY: IS	DATE: 12/10
DESIGNED BY: JG DRAWN BY: JG / JW CHECKED BY: JG								MICRO-FILM INFORMATION	
								RECORDED BY	DATE:
								NO.	
		DATE: 08/10							
		DATE: 08/10							
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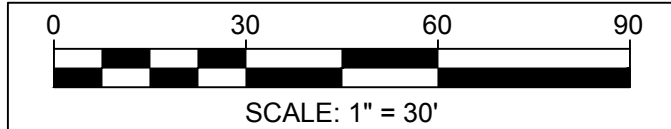
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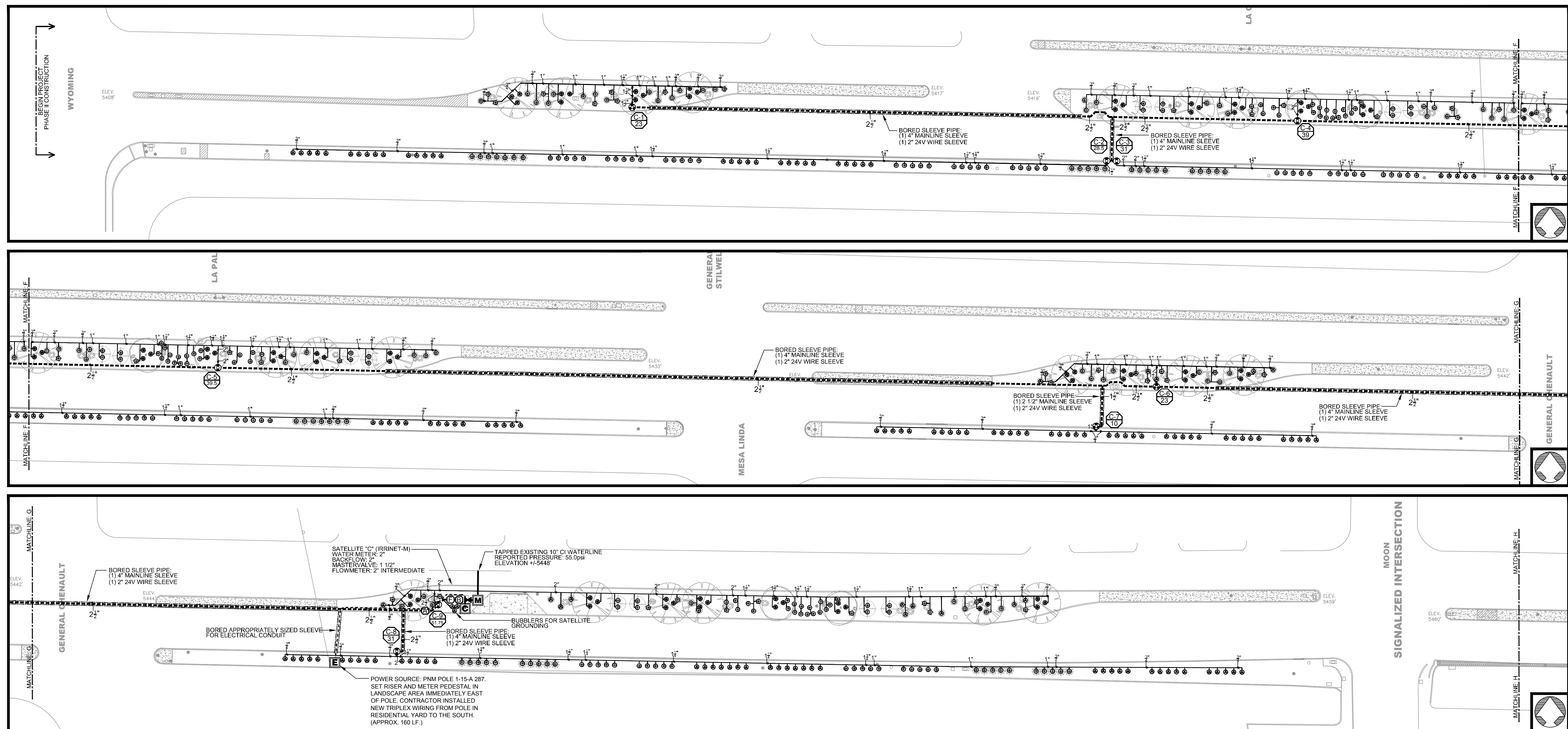
Irrigation Services LLC
Designers & Consultants

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EMAIL: info@IrrServices.com
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CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM DEPARTMENT OF MUNICIPAL DEVELOPEMENT			
TITLE: PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY10-A CANDELARIA MEDIAN: WYOMING TO EUBANK (WO #3) - PHASE 2 IRRIGATION SYSTEM AS-BUILT			
Design Review Committee	City Engineer Approval	MG/DATYBL	MG/DATYBL
		05/31/11	
City Project No. 771703	Zone Map No. H-18Z TO H-20Z	Sheet 2	Of 2

SURVEY INFORMATION		BENCHMARK		AS BUILT INFORMATION	
FIELD NOTES					
NO.	BY	DATE		CONTRACTOR: Mountain West GolfScapes	
				WORK STAKED BY: IS	DATE: 03/11
				INSPECTOR'S APPROVAL: J.C.	DATE: 03/11
				FIELD VERIFICATION BY: R.M.	DATE: 04/11
				DRAWING CORRECTED BY: IS	DATE: 05/11
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE:
				NO.	



NO.	DATE	REVISIONS / REMARKS	BY	SEAL	SURVEY INFORMATION		BENCHMARK	AS BUILT INFORMATION	
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								INSPECTOR'S APPROVAL: J.C. DATE: 03/11	
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DESIGNED BY: JG DRAWN BY: JG / JW CHECKED BY: JG								MICRO-FILM INFORMATION	
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