



Sheet Revisions

Date	Description	Initials

SE1/4 OF SEC. 16 AND NW1/4 OF SEC. 21,
T4S, R67W OF THE 6TH P.M.,
CITY AND COUNTY OF DENVER, COUNTY OF ARAPAHOE

PREPARED BY: CIVIL ARTS-DREXEL GROUP, INC.; 1860 LEFTHAND CIRCLE, SUITE A; LONGMONT, CO 80501

Right of Way Plans

TITLE SHEET

Project Number:	STU M320-034
Project Location:	STATE HIGHWAY 83
Project Location:	LEETSDALE AND MISSISSIPPI
Project Code:	14785
Last Mod. Date:	08-14-07
Subset Sheets	1
Sheet No.	1
Total No. of Sheets	9

DEPARTMENT OF TRANSPORTATION

STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED
FEDERAL AID PROJECT NO. STU M320-034
STATE HIGHWAY NO. 83
DENVER AND ARAPAHOE COUNTIES
RIGHT OF WAY PROJECT CODE NO. 14785

SHEET NO.	INDEX OF SHEETS
1	Title Sheet
2	Tabulation of Properties
3 - 3B	Control Diagrams
4	Monumentation Sheet
5 - 7	Plan Sheets

SCALES OF ORIGINAL DRAWINGS
PROJECT CONTROL DIAGRAM 1" = 300'
LAND SURVEY CONTROL DIAGRAM 1" = 300'
PLAN SHEETS 1" = 30'
R.O.W. LENGTH OF PROJECT = 0.17 MILES



APPROVED AUG 27 2007

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

AUTHORIZED: _____ DATE _____

DIVISION ADMINISTRATOR

CITY AND COUNTY OF DENVER SURVEY DEPOSITING CERTIFICATE:

Deposited this _____ day of _____,
200__ at ____ o'clock ____ M., in Book _____ at Page _____ of
Land Surveys/Right of Way Surveys, under Reception No. _____

By: _____

Title: _____

ARAPAHOE COUNTY SURVEY DEPOSITING CERTIFICATE:

Deposited this _____ day of _____,
200__ at ____ o'clock ____ M., in Book _____ at Page _____ of
Land Surveys/Right of Way Surveys, under Reception No. _____

By: _____

Title: _____

CONVENTIONAL SIGNS

UTL	ELECTRIC BOX	EB
	ELECTRIC MANHOLE	EMH
	ELECTRIC METER	EM
	FIBER OPTIC BOX	FB
	FIBER OPTIC VAULT	FVT
	FIBER OPTIC WARNING SIGN	FWS
	FIRE HYDRANT	FH
	GAS METER	GM
	GAS VENT PIPE	GVP
	GAS WARNING SIGN	GWS
	GUY ANCHOR	GA
	GUY POLE	GP
	IRRIGATION SPRINKLER HEAD	ISH
	IRRIGATION VALVE BOX	IVB
	LIGHT POLE	LP
	POWER POLE	PP
	SANITARY SEWER CLEANOUT	CO
	SANITARY SEWER MANHOLE	SMH
	STORM SEWER CATCH BASIN	CB
	STORM SEWER INLET	STIN
	STORM SEWER MANHOLE	STMH
	TELEPHONE BOX	TB
	TELEPHONE MANHOLE	TMH
	TRAFFIC SIGNAL BOX	TSB
	TRAFFIC SIGNAL POLE	TSP
	TV BOX	TVB
	WATER MANHOLE	WMH
	WATER METER	WM
	WATER VALVE	WV
	WATER VENT PIPE	WVP
PIPE	CAST IRON PIPE	CIP
	CORRUGATED METAL PIPE	CMP
	DUCTILE IRON PIPE	DIP
	FLARED END SECTION	FES
	POLYVINYL CHLORIDE PIPE	PVC
	REINFORCED CONCRETE PIPE	RCP
	STEEL PIPE	STLP
	VITRIFIED CLAY PIPE	VCP
POSTS	CONCRETE POST	CP
	DELIMITER POST	DP
	FLAG POLE	FP
	GUARD POST	GDP
	IRON POST	IP
	STEEL POST	SP
	WOOD POST	WP

CONVENTIONAL SIGNS (CON'T)

MISC	ASPHALT	ASPH
	CONCRETE	CONC
	CONCRETE BOX CULVERT	CBC
	CONCRETE DIVERSION STRUCTURE	CDS
	CONCRETE HEADWALL	CHW
	CORRUGATED SHEET METAL	CSM
	CURB CUT	CC
	FINISH FLOOR	FF
	MAIL BOX	MB
	METAL	MTL
	STEEL	STL
SIGNS	CAUTION SIGN	CS
	ROAD SIGN (COUNTY)	RS
	SPEED LIMIT SIGN	SLS
	STOP SIGN	SS
	STREET SIGN	STS
	YIELD SIGN	YS
FEATURES	FENCE	F
	RAILROAD	R
	DITCH/DRAINAGE	D
	DIRT OR GRAVEL ROAD	DR
	PRINCIPAL ROAD	PR
	EDGE OF ASPHALT	E
	PROPERTY CORNER	PC
	CONTOUR	C
	SPOT ELEVATION (ADD 5400)	SE
UTL LINES	CABLE TV LINE	TV
	ELECTRIC LINE	E
	FIBER OPTIC LINE	F
	GAS LINE	G
	OVERHEAD ELEC. LINE	OE
	OVERHEAD LINE	OL
	POSSIBLE O/H TEL. LINE	OEL
	SANITARY SEWER LINE	SSL
	STORM SEWER LINE	SSL
	TELEPHONE LINE	T
	WATER LINE	W

BASIS OF BEARING STATEMENT

BEARINGS SHOWN ON THIS MAP ARE GRID BEARINGS REFERRED TO THE COLORADO COORDINATE SYSTEM OF 1983-1992, CENTRAL ZONE, BASED ON GPS OBSERVATIONS ALONG THE SOUTH LINE OF THE SW1/4 OF SECTION 16, T4S, R67W OF THE 6TH P.M., WHICH BEARS N89°53'05"E BETWEEN THE SW COR. OF SEC. 16, T4S, R67W, 6TH P.M., A FOUND #6 REBAR W/ 3" DWD BRASS CAP MARKED "LS 16398 1988" IN A MONUMENT BOX, AND THE S1/4 COR. OF SEC. 16, T4S, R67W, 6TH P.M., A FOUND #6 REBAR W/ 3-1/4" ALUM. CAP MARKED "LS 29036 1998", AS MONUMENTED AND SHOWN HEREON.

THE COORDINATE SYSTEM IS BASED LOCALLY UPON COUNTY OF ARAPAHOE GPS STATIONS 11-N/4S/67W ACO, 9-N/4S/67W ACO, (5021 CCD), 9-L/4S/67W ACO, AND 11-L/4S/67W ACO, FROM THE NETWORK OF THE SO CALLED "FOUR SQUARE MILE AREA" COMPLETED AND CERTIFIED BY FRANK N. DREXEL, PLS. IN JANUARY 1994.

ROTATE BEARINGS SHOWN ON THIS MAP 0°22'34" CLOCKWISE TO GEODETIC NORTH AT THE SW CORNER OF SEC. 16, T4S, R67W, 6TH P.M.

STA 135+88.19
SH 83 (LEETSDALE DR)
BEGIN CONSTRUCTION PROJECT

STA 137+63.57
SH 83 (LEETSDALE DR)
BEGIN RIGHT-OF-WAY PROJECT

STA 141+03.70
SH 83 (S PARKER RD)
END RIGHT-OF-WAY PROJECT

STA 200+00.00
BEGIN E MISSISSIPPI AVE =
STA 142+06.73 SH 83 (PARKER RD)

PROJECT LOCATION MAP

1" = 250'

STA 143+34.35
SH 83 (S PARKER RD)
END CONSTRUCTION PROJECT



PLOTTED: TUE 08/14/07 12:30PM
 MODIFIED: 9/14/2007 12:01 PM
 BY: LSO
 DRAWING: 21-426-N-LDD-1-DWG-1261-ANC
 MYLARS\1261-ANC.DWG

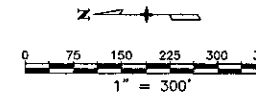


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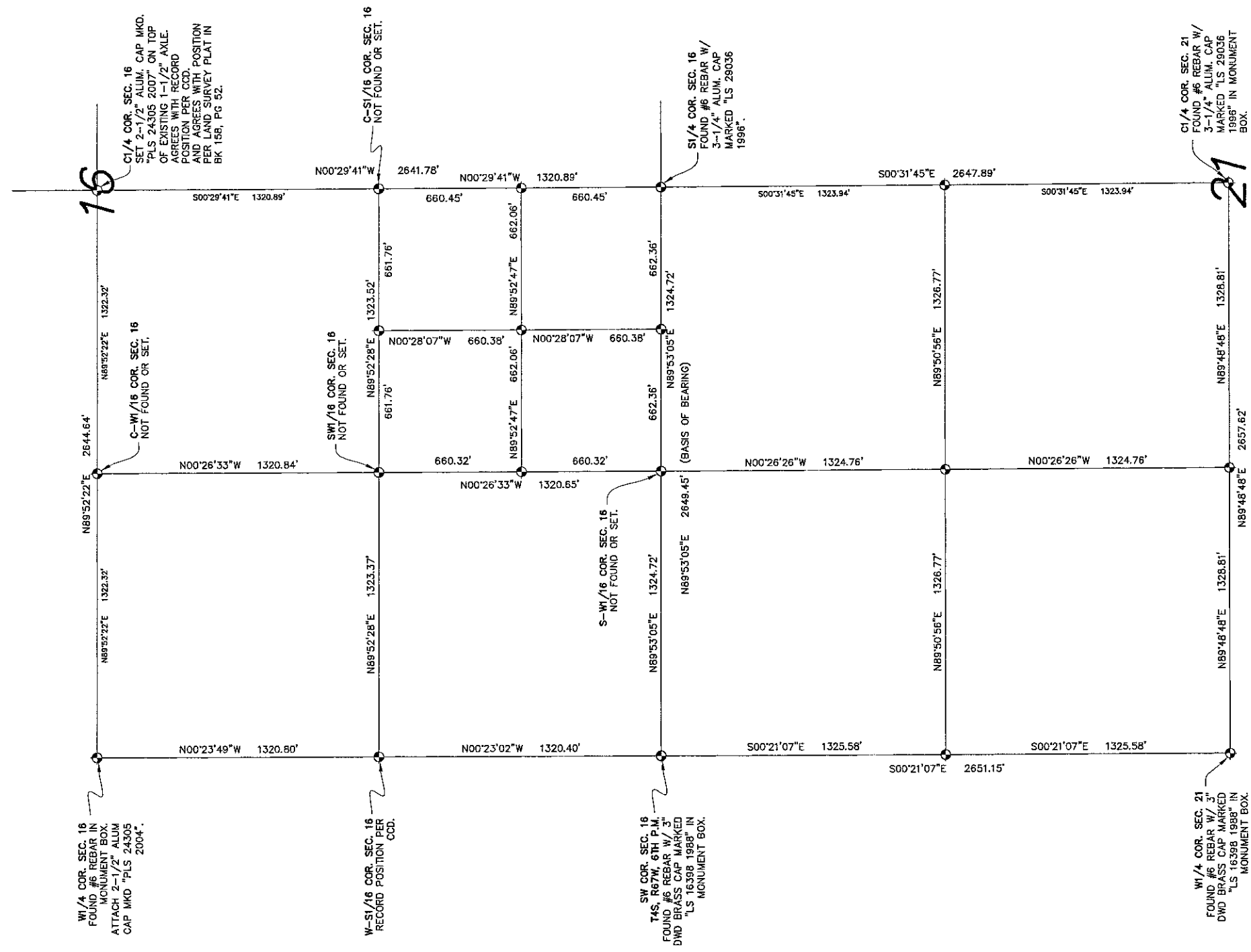
Sheet Revisions

Date	Description	Initials



Land Survey Control Diagram Title Sheet

Project Number:	STU M320-034			
Project Location:	STATE HIGHWAY 83			
Project Location:	LEETSDALE AND MISSISSIPPI			
Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
14785	08-14-07	3A	9	9



BASIS OF BEARINGS: BEARINGS SHOWN ON THIS MAP ARE GRID BEARINGS REFERRED TO THE COLORADO COORDINATE SYSTEM OF 1983-1992, CENTRAL ZONE, BASED ON GPS OBSERVATIONS ALONG THE SOUTH LINE OF THE SW 1/4 OF SECTION 16, T4S, R67W OF THE 6TH P.M., WHICH BEARS N89°53'05"E BETWEEN THE SW COR. OF SEC. 16, T4S, R67W, 6TH P.M., A FOUND #6 REBAR W/ 3" DWD BRASS CAP MARKED "LS 16398 1988" IN A MONUMENT BOX, AND THE S1/4 COR. OF SEC. 16, T4S, R67W, 6TH P.M., A FOUND #6 REBAR W/ 3-1/4" ALUM. CAP MARKED "LS 29036 1996", AS MONUMENTED AND SHOWN HEREON.

THE COORDINATE SYSTEM IS BASED LOCALLY UPON COUNTY OF ARAPAHOE GPS STATIONS 11-N/4S/67W ACO, 9-N/4S/67W ACO, (6021 CCD), 9-L/4S/67W ACO, AND 11-L/4S/67W ACO, FROM THE NETWORK OF THE SO CALLED "FOUR SQUARE MILE AREA" COMPLETED AND CERTIFIED BY FRANK N. DREXEL, PLS, IN JANUARY 1994.

ROTATE BEARINGS SHOWN ON THIS MAP 0°22'34" CLOCKWISE TO GEODETIC NORTH AT THE SW CORNER OF SEC. 16, T4S, R67W, 6TH P.M.

BASIS OF ELEVATIONS: THE PRIMARY BENCH MARKS USED TO DETERMINE THE BASIS OF ELEVATIONS FOR THIS MAP ARE NGS BENCH MARK H 406, A STANDARD NGS 3-1/2 INCH BENCH MARK DISK STAMPED "H 406 1984" IN CONCRETE, NAVD 1988 ELEVATION = 5392.696 FEET, AND NGS BENCH MARK J 406, A 3/4" STAINLESS STEEL ROD IN NGS LOGO BOX STAMPED "J 406 1984". NAVD 1988 ELEVATION = 5389.546 FEET.

COORDINATE DATUM: THE BASIS OF COORDINATES FOR THIS SURVEY IS THE COLORADO COORDINATE SYSTEM OF 1983-1992, CENTRAL ZONE ZONE, MODIFIED TO AN ELEVATION OF 5500 FEET. THE COMBINED FACTOR (SCALE AND ELEVATION) USED TO MODIFY THE COORDINATES IS 0.9997268618.

NOTE: AT THE REQUEST OF THE CLIENT, RECORDED EASEMENTS AND RIGHTS-OF-WAY, ARE SHOWN ON THIS MAP ONLY AS DISCLOSED IN UNITED GENERAL TITLE INSURANCE COMPANY COMMITMENTS NO. 03063A2007, NO. 03064A2007, AND NO. 03065A2007, ALL OF WHICH HAVE EFFECTIVE DATES OF FEBRUARY 22, 2007. NO ADDITIONAL RESEARCH WAS COMPLETED.

APPARENT EASEMENTS AND RIGHTS-OF-WAY SUCH AS ROADS, DITCHES, AND OVERHEAD UTILITY LINES ARE SHOWN FROM FIELD LOCATION. NO ADDITIONAL RESEARCH WAS COMPLETED.

NOTE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE STATEMENT SHOWN.

NOTE: NO GUARANTEE AS TO THE ACCURACY OF THE INFORMATION CONTAINED ON THE ATTACHED DRAWING IS EITHER STATED OR IMPLIED UNLESS THIS COPY BEARS AN ORIGINAL SIGNATURE OF THE PROFESSIONAL LAND SURVEYOR HEREON NAMED.

PLOTTED: TUE 08/14/07 12:00 PM
 MODIFIED: 8/14/2007 12:01 PM
 BY: LSO
 DRAWING: Z:\228-N_LDD-426-N.DWG V281-AMC MYLARS\K261-AMC.DWG

Sheet Revisions		
Date	Description	Initials

Land Survey Control Monumentation				
Title Sheet				
Project Number: STU M320-034				
Project Location: STATE HIGHWAY 83				
Project Location: LEETSDALE AND MISSISSIPPI				
Project Code:	Last Mod. Date:	Subset Sheets:	Sheet No.:	Total No. of Sheets:
14785	08-14-07		38	9

GPS COORDINATE SUMMARY TABLE (ADJUSTED FIELD DATA)

POINT NO.	NAME	METHOD	GEOIDETIC COORD.		ELEVATION	MAPPING	SCALE	COLORADO STATE PLANE NAD83-92 ZONE 502		DESCRIPTION
			LATITUDE	LONGITUDE				NORTHING (USFT)	EASTING (USFT)	
4	S1/4 CDR S16 T4S R67W	PUBLISHED ACDCD\RTK ELEV	39 41 47.73698	104 53 38.74331	5474.38	0 22 55.70	0.99998987	1679181.858	3170497.990	FOUND #6 REBAR W/ 3-1/4" ALUM. CAP MARKED "LS 29036 1996" FOUND #6 REBAR W/ 3" DWD BRASS CAP MARKED "LS 16398 1988" IN MONUMENT BDX FOUND #6 REBAR W/ 3" DWD BRASS CAP MARKED "LS 16398 1988" IN MONUMENT BDX FOUND #6 REBAR W/ 3-1/4" ALUM. CAP MARKED "LS 29036 1996" IN MONUMENT BDX FOUND STANDARD 3-1/2" BRONZE NGS BENCH MARK DISK MARKED "H 406 1984" IN CONC. FOUND STAINLESS STEEL ROD W/ PUNCH MARK IN NGS LOGO BDX MARKED "J 406 1984" FOUND #6 REBAR IN MONUMENT BDX. ATTACH 2-1/2" ALUM CAP MKD "PLS 24305 2004" FOUND 2-1/2" ALUM. CAP MKD "PLS 24305 2007" ON TOP OF EXISTING 1-1/2" AXLE. NOT RECOVERED FOUND 24" #5 REBAR W/ 2" ALUM CAP MARKED "CP-1001 PLS 24035" FOUND 24" #5 REBAR W/ 2" ALUM CAP MARKED "CP-1001 PLS 24035" FOUND 24" #5 REBAR W/ 2" ALUM CAP MARKED "CP-1002 PLS 24035" FOUND 24" #5 REBAR W/ 2" ALUM CAP MARKED "CP-1003 PLS 24035" FOUND 2-1/2" BRASS DISK IN CONC. MARKED "UDFCD DHL-1 2001"
5	SW CDR S16 T4S R67W	PUBLISHED ACDCD\RTK ELEV	39 41 47.85755	104 54 12.62903	5400.25	0 22 34.32	0.99998988	1679176.530	3167849.268	
6	W1/4 CDR S21 T4S R67W	PUBLISHED ACDCD\RTK ELEV	39 41 21.66345	104 54 12.64331	5405.18	0 22 34.32	0.99998856	1676526.152	3167865.554	
7	C1/4 CDR S21 T4S R67W	PUBLISHED ACDCD\RTK ELEV	39 41 21.57521	104 53 38.65646	5473.97	0 22 55.75	0.99998856	1676534.806	3170522.432	
104	H 406	PUBLISHED NGRS BM	-----	-----	5392.696	-----	-----	-----	-----	
105	J 406	PUBLISHED NGRS BM	-----	-----	5389.546	-----	-----	-----	-----	
159	W1/4 CDR S16 T4S R67W	PUBLISHED CCD	39 42 13.95327	104 54 12.63742	-----	0 22 34.319	0.99999120	1681816.953	3167931.276	
160	C1/4 CDR S16 T4S R67W	PUBLISHED CCD	39 42 13.83836	104 53 38.80972	-----	0 22 55.654	0.99999120	1681822.822	3170475.184	
169	W-S1/16 CDR S16 T4S R67W	PUBLISHED CCD	39 42 00.90344	104 54 12.63139	-----	0 22 34.323	0.99999054	1680496.545	3167940.422	
1001	CP-1001 (2004)	RTK GPS \ RTK ELEV	39 41 47.75732	104 53 46.56850	5469.54	0 22 50.76	0.99998987	1679179.849	3169886.328	
1001	CP-1001 (2006)	RTK GPS \ DIFF LEVEL	39 41 47.75732	104 53 46.56850	5469.56	0 22 50.76	0.99998987	1679179.849	3169886.328	
1002	CP-1002 (2004 & 2006)	RTK GPS \ DIFF LEVEL	39 41 47.79855	104 53 50.94662	5472.36	0 22 48.00	0.99998987	1679181.749	3169544.050	
1003	CP-1003 (2004 & 2006)	RTK GPS \ DIFF LEVEL	39 41 45.82837	104 53 49.91447	5471.53	0 22 48.65	0.99998977	1678982.937	3169626.089	
1004	CP-1004 (2004 & 2006)	RTK GPS \ DIFF LEVEL	39 41 47.71084	104 53 52.49653	5470.89	0 22 47.02	0.99998987	1679172.071	3169423.002	

PROJECT COORDINATE SUMMARY TABLE 1 (ADJUSTED FIELD DATA)

POINT NO.	NAME	METHOD	PROJECT COORDINATES		ELEVATION	DESCRIPTION
			NORTH (USFT)	EAST (USFT)		
160	C1/4 CDR S16 T4S R67W	RTK GPS \ RTK ELEV	1682282.318	3171341.398	5465.88	FOUND 2-1/2" ALUM. CAP MKD "PLS 24305 2007" ON TOP OF EXISTING 1-1/2" AXLE.
973	S1/4 CDR S16 T4S R67W	RTK GPS	1679640.746	3171364.217	5476.58	FOUND #6 REBAR W/ 3-1/4" ALUM. CAP MARKED "LS 29036 1996"
982	SW CDR S16 T4S R67W	RTK GPS	1679635.281	3168714.768	5400.20	FOUND #6 REBAR W/ 3" DWD BRASS CAP MARKED "LS 16398 1988" IN MONUMENT BDX
985	W1/4 CDR S21 T4S R67W	RTK GPS	1676984.228	3168731.090	5405.08	FOUND #6 REBAR W/ 3" DWD BRASS CAP MARKED "LS 16398 1988" IN MONUMENT BDX
988	C1/4 CDR S21 T4S R67W	RTK GPS	1682276.423	3171388.726	5475.39	FOUND #6 REBAR W/ 3-1/4" ALUM. CAP MARKED "LS 29036 1996" IN MONUMENT BDX
991	W1/4 CDR S16 T4S R67W	RTK GPS	1679638.423	3168896.765	5469.54	FOUND #6 REBAR IN MONUMENT BDX. ATTACH 2-1/2" ALUM CAP MKD "PLS 24305 2004"
1001	CP-1001 (2004)	RTK GPS \ RTK ELEV	1679638.622	3170752.382	5469.54	FOUND 24" #5 REBAR W/ 2" ALUM CAP MARKED "CP-1001 PLS 24035"
1001	CP-1001 (2006)	RTK GPS \ DIFF LEVEL	1679638.622	3170752.382	5469.56	FOUND 24" #5 REBAR W/ 2" ALUM CAP MARKED "CP-1001 PLS 24035"
1002	CP-1002 (2004 & 2006)	RTK GPS \ DIFF LEVEL	1679640.523	3170410.049	5472.36	FOUND 24" #5 REBAR W/ 2" ALUM CAP MARKED "CP-1002 PLS 24035"
1003	CP-1003 (2004 & 2006)	RTK GPS \ DIFF LEVEL	1679441.657	3170492.072	5471.53	FOUND 24" #5 REBAR W/ 2" ALUM CAP MARKED "CP-1003 PLS 24035"
1004	CP-1004 (2004 & 2006)	RTK GPS \ DIFF LEVEL	1679630.842	3170288.929	5470.89	FOUND 2-1/2" BRASS DISK IN CONC. MARKED "UDFCD DHL-1 2001"

PROJECT COORDINATE SUMMARY TABLE 4 (COMPUTED TRACT CORNERS)

POINT NO.	NAME	PROJECT COORDINATES	
		NORTH (USFT)	EAST (USFT)
301	TRACT CDR	1679451.938	3170460.980
302	TRACT CDR	1679417.384	3170488.756
303	TRACT CDR	1679429.412	3170503.674
304	TRACT CDR	1678631.746	3170055.539
305	TRACT CDR	1679387.702	3170570.929
306	TRACT CDR	1678620.268	3170005.987
307	TRACT CDR	1679064.629	3170848.992
308	TRACT CDR	1678881.162	3170945.700
309	TRACT CDR	1678879.242	3170941.770
310	TRACT CDR	1679739.498	3172702.739
311	TRACT CDR	1678395.736	3171276.080
312	TRACT CDR	1679464.300	3171348.874
313	TRACT CDR	1678923.136	3171331.622
314	TRACT CDR	1678918.747	3171022.537
315	TRACT CDR	1679068.458	3170949.501
316	TRACT CDR	1679348.127	3170745.961
317	TRACT CDR	1679495.985	3170563.177
318	TRACT CDR	1679609.149	3170626.240
319	TRACT CDR	1679609.451	3170776.350
320	TRACT CDR	1679584.428	3170764.938
321	TRACT CDR	1679585.253	3171174.895
322	TRACT CDR	1679580.253	3171174.918
323	TRACT CDR	1679580.635	3171364.764
324	TRACT CDR	1679695.633	3171363.735
325	TRACT CDR	1679694.300	3170701.399
326	TRACT CDR	1679699.300	3170701.358
327	TRACT CDR	1679699.094	3170599.138
328	TRACT CDR	1679439.095	3170599.661
329	TRACT CDR	1679645.738	3170441.869
330	TRACT CDR	1679638.760	3170432.729
331	TRACT CDR	1679638.515	3170310.997
332	TRACT CDR	1679638.490	3170298.571
333	TRACT CDR	1679725.260	3170112.962
334	TRACT CDR	1679548.414	3170255.122
335	TRACT CDR	1679798.631	3170182.285
336	TRACT CDR	1679735.978	3170104.346
337	TRACT CDR	1679351.646	3170541.600
338	TRACT CDR	1679288.993	3170463.660

PROJECT COORDINATE SUMMARY TABLE 2 (FOUND TRACT CORNER MONUMENTS)

POINT NO.	NAME	METHOD	PROJECT COORDINATES		ELEVATION	DESCRIPTION
			NORTH (USFT)	EAST (USFT)		
2266	TRACT CDR	REAL TIME KINEMATIC	1679662.400	3170222.160	5470.1	FOUND CHISLED CROSS
2267	TRACT CDR	REAL TIME KINEMATIC	1679615.385	3170320.788	5471.0	FOUND CHISLED CROSS
2270	TRACT CDR	REAL TIME KINEMATIC	1679736.378	3170104.024	5467.6	FOUND IRON POST W/ NAIL IN CONC.
2271	TRACT CDR	REAL TIME KINEMATIC	1679760.066	3170037.584	5462.7	FOUND #4 REBAR W/ YELLOW PLASTIC CAP MKD "LS 26606 VLC CONSULTANTS" 0.2" BELOW GRD LEVEL
2272	TRACT CDR	REAL TIME KINEMATIC	1679466.841	3170336.700	5469.8	FOUND IRON POST W/ NAIL IN CONC.
2274	TRACT CDR	REAL TIME KINEMATIC	1679298.593	3170463.982	5466.5	FOUND 3" BRASS CAP MKD "DMW PT 490+50"
2275	TRACT CDR	REAL TIME KINEMATIC	1679451.780	3170460.959	5468.6	FOUND #5 REBAR W/ 1-1/2" ALUM CAP MKD "LS 2690" FLUSH WITH GROUND LEVEL
2278	TRACT CDR	REAL TIME KINEMATIC	1679699.074	3170701.436	5467.1	FOUND #5 REBAR W/ ILLEGIBLE YELLOW PLASTIC CAP 0.3" BELOW GROUND LEVEL
2279	TRACT CDR	REAL TIME KINEMATIC	1679700.714	3171363.677	5475.2	FOUND #5 REBAR W/ YELLOW PLASTIC CAP MKD "PLS 19003" FLUSH WITH GROUND LEVEL
2280	TRACT CDR	REAL TIME KINEMATIC	1679584.854	3171087.910	5471.0	FOUND #5 REBAR W/ YELLOW PLASTIC CAP MKD "PLS 9010 BURBICK" FLUSH W/ GROUND LEVEL
2282	TRACT CDR	REAL TIME KINEMATIC	1679583.345	3170660.536	5467.6	FOUND #5 REBAR W/ ILLEGIBLE 1-1/2" ALUM CAP FLUSH WITH GROUND LEVEL
2283	TRACT CDR	REAL TIME KINEMATIC	1679584.318	3170660.559	5467.6	FOUND #5 REBAR W/ ILLEGIBLE 1-1/2" ALUM CAP FLUSH WITH GROUND LEVEL
2751	TRACT CDR	REAL TIME KINEMATIC	1679645.347	3170054.668	5463.4	FOUND CHISLED CROSS
2754	TRACT CDR	REAL TIME KINEMATIC	1679333.590	3170760.329	5473.2	FOUND NAIL WITH TAG MKD "PLS 10717"

PROJECT COORDINATE SUMMARY TABLE 3 (COMPUTED SECTION CORNERS (ADJUSTED FIELD DATA))

POINT NO.	NAME	PROJECT COORDINATES	
		NORTH (USFT)	EAST (USFT)
201	S-W1/16 CDR S16	1679637.968	3170039.488
202	C-W1/16 CDR S16	1682279.382	3170019.083
203	C-S1/16 CDR S16	1680961.476	3171352.804
204	SW1/16 CDR S16	1680958.577	3170029.286
205	1/64 CDR S16	1679639.301	3170701.849
206	1/64 CDR S16	1680298.273	3170034.387
207	1/64 CDR S16	1680960.026	3170691.045
208	1/64 CDR S16	1680301.055	3171358.507
209	1/64 CDR S16	1680299.664	3170696.447
210	C-N1/16 CDR S21	1678316.746	3171376.435
211	C-W1/16 CDR S21	1676988.530	3170059.859
212	W-N1/16 CDR S21	1678309.753	3168722.911
213	NW1/16 CDR S21	1678313.249	3170049.673

NOTICE

ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVERED SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.

SURVEYOR STATEMENT (LAND SURVEY CONTROL DIAGRAM)

I, Peter D. Stegel, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Land Survey Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice and the Colorado Department of Transportation publications. This statement is not a warranty or warranty, either expressed or implied.

Peter D. Stegel PLS No. 26379 Date 8/14/07



Sheet Revisions			Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials	Date	Description	Initials

Right of Way Plans				
Monumentation Sheet				
Project Number:	STU M320-034			
Project Location:	STATE HIGHWAY 83			
Project Location:	LEETSDALE AND MISSISSIPPI			
Project Code:	Last Mod. Date:	Subset:	Sheets:	Sheet No. Total No. of Sheets
14785	08-14-07		4	9

TABULATION OF R.O.W. MARKERS TO BE SET

Point No.	Northing	Easting	Sta. Offset
401	1679725.260	3170112.962	n/a
402	1679745.072	3170070.582	n/a
403	1679754.272	3170074.515	n/a
404	1679742.872	3170098.899	n/a
405	1679735.978	3170104.346	n/a
406	1679638.515	3170310.997	n/a
407	1679640.657	3170309.275	n/a
408	1679638.520	3170313.844	n/a

TABULATION OF SURVEY CONTROL POINTS TO BE SET OR RESET

Point No.	Northing	Easting	Sta. Offset

TABULATION OF R.O.W. MARKERS TO BE RESET AFTER CONSTRUCTION

Point No.	Northing	Easting	Sta. Offset

GENERAL NOTES

- BEARINGS SHOWN ON THIS MAP ARE GRID BEARINGS REFERRED TO THE COLORADO COORDINATE SYSTEM OF 1983-1982, CENTRAL ZONE, BASED ON GPS OBSERVATIONS ALONG THE SOUTH LINE OF THE SW 1/4 OF SECTION 16, T4S, R67W, 6TH P.M., WHICH BEARS 1883.5105° BETWEEN THE SW COR. OF SEC. 16, T4S, R67W, 6TH P.M., A FOUND IR REBAR W/ 3" DIA BRASS CAP MARKED "LS 1838 1988" IN A MONUMENT BOX, AND THE SW COR. OF SEC. 16, T4S, R67W, 6TH P.M., A FOUND IR REBAR W/ 3-1/4" ALUM. CAP MARKED "LS 28036 1996", AS MONUMENTED AND SHOWN HEREON.
- THE COORDINATE SYSTEM IS BASED LOCALLY UPON COUNTY OF ARAPAHOE GPS STATIONS 11-N/AS/67W ACO, 9-N/AS/67W ACO, (8021 C02), 9-L/AS/67W ACO, AND 11-L/AS/67W ACO, FROM THE NETWORK OF THE SD CALLED "FOUR SQUARE MILE AREA" COMPLETED AND CERTIFIED BY FRANK N. DREXEL, PLS, IN JANUARY 1994.
- ROTATE BEARINGS SHOWN ON THIS MAP 022°34' CLOCKWISE TO GEODETIC NORTH AT THE SW CORNER OF SEC. 16, T4S, R67W, 6TH P.M.
- THE PRIMARY BENCH MARKS USED TO DETERMINE THE BASIS OF ELEVATIONS FOR THIS MAP ARE NGS BENCH MARK H 406, A STANDARD NGS 3-1/2" BENCH MARK DISK BENCH STAMPED "H 406 1984" IN CONCRETE, NAVD 1988 ELEVATION = 5392.696 FEET, AND NGS BENCH MARK J 406, A 3/4" STAINLESS STEEL ROD IN NGS LOGO BOX STAMPED "J 406 1984", NAVD 1988 ELEVATION = 5389.546 FEET.
- THE BASIS OF COORDINATES FOR THIS SURVEY IS THE COLORADO COORDINATE SYSTEM OF 1983-1982, CENTRAL ZONE, MODIFIED TO AN ELEVATION OF 5500 FEET. THE COMBINED FACTOR (SCALE AND ELEVATION) USED TO MODIFY THE COORDINATES IS 0.9997268618.
- AT THE REQUEST OF THE CLIENT, RECORDED EASEMENTS AND RIGHTS-OF-WAY, ARE SHOWN ON THIS MAP ONLY AS DISCLOSED IN UNITED GENERAL TITLE INSURANCE COMPANY COMMITMENTS NO. 030634007, NO. 030644207, AND NO. 030654207, ALL OF WHICH HAVE EFFECTIVE DATES OF FEBRUARY 22, 2007. NO ADDITIONAL RESEARCH WAS COMPLETED.
- APPARENT EASEMENTS AND RIGHTS-OF-WAY SUCH AS ROADS, DITCHES, AND OVERHEAD UTILITY LINES ARE SHOWN FROM FIELD LOCATION. NO ADDITIONAL RESEARCH WAS COMPLETED.
- MAPPING OF EXISTING CONDITIONS WAS COMPLETED IN 2 PHASES. PHASE 1 INCLUDED MAPPING ALONG S. PARKER ROAD FROM THE HIGHLINE CANAL RUNNING SOUTHEASTERLY AND ALL THE MAPPING ALONG E. MISSISSIPPI AVENUE. PHASE 2 INCLUDED THE MAPPING ALONG S. PARKER ROAD FROM THE HIGHLINE CANAL RUNNING NORTHEASTERLY. PHASE 2 ALSO INCLUDED NEW MEASUREMENTS ALONG THE CROWN OF REPAVED PORTIONS OF ASPHALT STREETS AND LOCATION OF TRAFFIC STRIPING WITHIN THE PHASE 1 AREA. PHASE 1 WAS COMPLETED IN APRIL 2004 AND MAY NOT REFLECT CURRENT CONDITIONS. PHASE 2 WAS COMPLETED IN DECEMBER 2006.
- THIS RIGHT-OF-WAY PLAN SET WAS PREPARED FOR CDOT PURPOSES.
- ALL CONTROL MONUMENTS WERE LOCATED FROM EXISTING ARAPAHOE COUNTY PRIMARY CONTROL MONUMENTS 11-N/AS/67W ACO, 9-N/AS/67W ACO, (8021 C02), 9-L/AS/67W ACO, AND 11-L/AS/67W ACO, FROM THE NETWORK OF THE SD CALLED "FOUR SQUARE MILE AREA" COMPLETED AND CERTIFIED BY FRANK N. DREXEL, PLS, IN JANUARY 1994, AS INDICATED IN NOTE 1. THIS PRIMARY CONTROL SURVEY WAS PERFORMED AT A HIGHER DEGREE OF ACCURACY THAN THE ROW SURVEY SHOWN ON THIS DIAGRAM.

TABULATION OF PERMANENT EASEMENT MARKERS TO BE SET

Point No.	Northing	Easting	Sta. Offset
409	1679760.049	3170038.545	n/a
410	1679771.128	3170038.459	n/a
411	1679638.490	3170298.571	n/a
412	1679730.587	3170108.679	n/a
413	1679688.785	3170206.464	n/a
414	1679699.745	3170211.588	n/a
415	1679674.856	3170281.784	n/a
416	1679653.185	3170282.477	n/a
417	1679740.695	3170100.599	n/a
418	1679719.727	3170149.648	n/a
419	1679725.908	3170156.596	n/a
420	1679704.973	3170189.693	n/a
421	1679727.087	3170229.711	n/a
422	1679711.504	3170252.324	n/a
423	1679688.459	3170285.763	n/a
424	1679646.610	3170324.476	n/a
425	1679638.597	3170351.964	n/a

TABULATION OF ALIQUOT CORNERS TO BE RESET

Point No.	Northing	Easting	Sta. Offset

TABULATION OF TEMPORARY EASEMENT POINTS TO BE STAKED

Point No.	Northing	Easting	Sta. Offset

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE									
	1	1A	2	2A	3	3A	4	5	5(S)	6
REFERENCE										
ROW	8									
CONTROL										
ALIQUOT CORNER										
PERMANENT EASEMENT										7
PROJECT POINTS										
WITNESS POST (REQUIRED)	8									

- Construction Surveying and Monumentation Requirements
- This Project Control Diagram represents the horizontal and vertical control for the project established by the Division. It is possible that some of the survey control monuments listed have been disturbed or obliterated. It is the contractor's responsibility to verify the existence and stability of the control monuments before submitting a bid price.
 - All Type 1 and Type 2 monuments shall be set flush with the ground. Witness posts shall be installed 1 foot from and facing all Type 1 and Type 2 monuments, or as directed by the Project Engineer.
 - Installation of Type 3 and Type 3-A monuments shall be completed in the same day that installation is commenced. Under no circumstances shall holes in the roadway be left open overnight.
 - When installing Type 3-A monuments, the aluminum monument box shall be positively secured in the roadway surface. The monument box shall be caulked with asphalt caulking between the monument box and the edges of the roadway surface to provide a positive moisture barrier around the monument box.
 - Control survey procedures, statistical analysis, and accuracy obtained for horizontal and vertical control shall be documented in the field book.
 - Legible copies of the field books shall be submitted to the Project Engineer for review on a monthly basis.
 - It is ultimately the prime Contractors responsibility to insure that these requirements, as well as any contained in the CDOT specifications, project special provisions, and CDOT Survey Manual are fulfilled under this contract.
 - The minimum staking intervals for each item are described on the plans or in the CDOT Survey Manual. If the contractor wishes to reduce the minimum intervals, a Contract Modification Order must be negotiated and the cost of the item reduced accordingly.
 - Whenever the contract includes the setting of CDOT Type 2 monuments, a Project Control Diagram, signed and sealed by the P.L.S. in responsible charge, shall be submitted to the Project Engineer. An AutoCad drawing on CD shall accompany the hard copy.

NOTICE

ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVERED SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.

SURVEYOR STATEMENT (ROW PLAN)

I, Peter D. Steger, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, research, calculations and evaluation of the survey evidence were performed and this Right-of-Way Plan was prepared under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

Peter D. Steger PLS No. 25379 Date 8/14/07

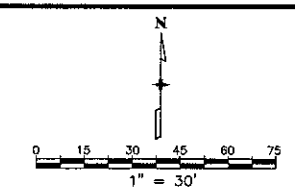
SURVEYOR STATEMENT (ROW MONUMENTS)

I, _____, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, adequate research, calculations and evaluation of survey evidence were performed and the Right-of-Way monuments depicted on this Right-of-Way Plan were set under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

_____ PLS No. _____ Date _____

PLOTTED: TUE 08/14/07 12:30PM
 MODIFIED: 8/14/2007 12:01 PM
 BY: LSO
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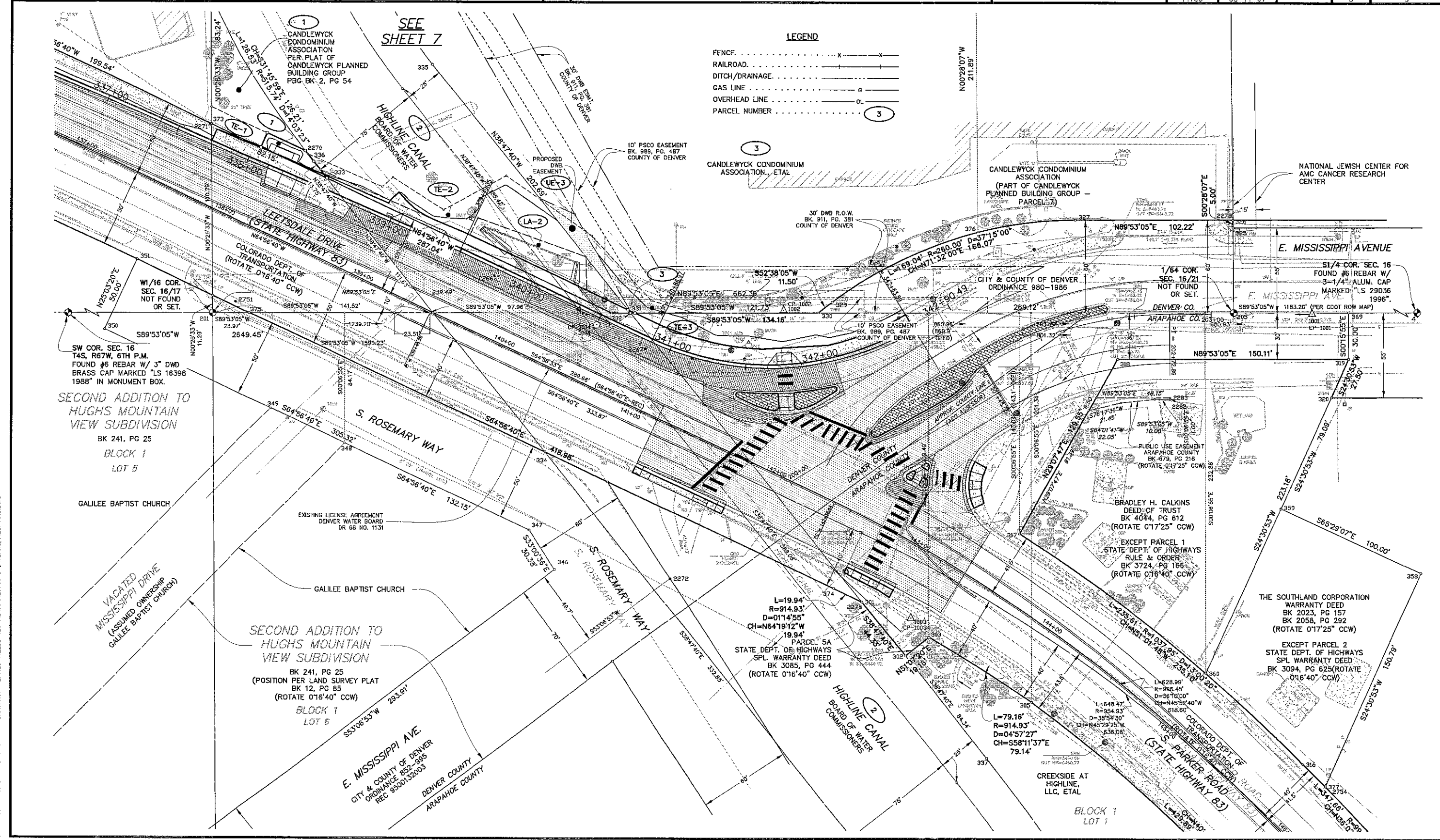
Sheet Revisions		
Date	Description	Initials



Right of Way Plans			
Plan Sheet			
Project Number:	STU M320-034		
Project Location:	STATE HIGHWAY 83		
Project Location:	LEETSDALE AND MISSISSIPPI		
Project Code:	Last Mod. Date	Subset Sheets	Sheet No. Total No. of Sheets
14785	08-14-07	5	9

LEGEND

- FENCE X X X
- RAILROAD —+—+—+—
- DITCH/DRAINAGE - - - - -
- GAS LINE G
- OVERHEAD LINE OL
- PARCEL NUMBER (3)



PLOTTED: TUE 08/14/07 12:18PM
 MODIFIED: 8/14/2007 12:01 PM
 BY: L50
 DRAWING: Z:\1428-1\1428-1\DWG\4281-AMC\MYLARS\14281-AMC.DWG



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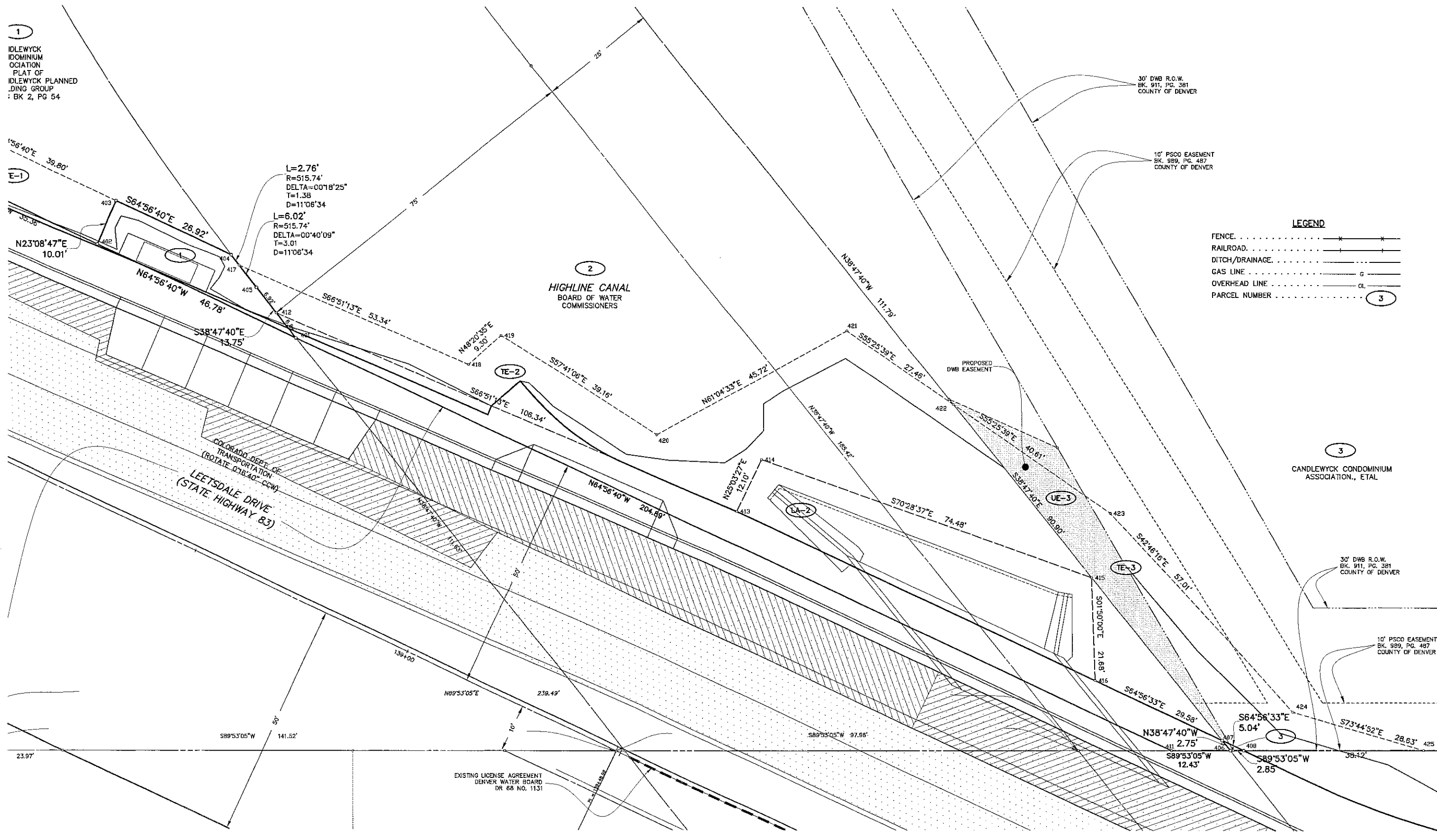
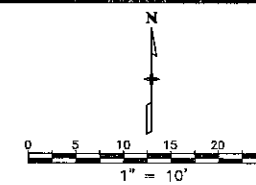
ENGINEERING
PLANNING
SURVEYING

Sheet Revisions

Date	Description	Initials

Right of Way Plans Plan Sheet

Project Number: STU M320-034				
Project Location: STATE HIGHWAY 83				
Project Code: LEETSDALE AND MISSISSIPPI				
Project Code: 14785	Last Mod. Date: 08-14-07	Subset Sheets: 7	Sheet No.: 7	Total No. of Sheets: 9



PLOTTED: TUE 08/14/07 12:38PM
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BY: LSO
DRAWING: Z:\428-N.LDD-428-N.DWG\4281-AMC.DWG
MYLAR\SL\4281-AMC.DWG