35% DESIGN

Cheyenne Greenway Extensions Plan

May 10, 1999

Prepared for:

Cheyenne Area Transportation Planning Process

with

The City of Cheyenne
Laramie County
The Wyoming Department of Transportation

Prepared by:

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May 10, 1999

Mr. Tom Mason
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue, Room 207
Cheyenne, WY 82001

RE: Thirty-five Percent Design, Cheyenne Greenway Extensions

Dear Mr. Mason:

States West Water Resources Corporation is pleased to submit the following 35% design package for the Cheyenne Greenway Extensions.

Included in this package is a development report summarizing our progress and findings through the preliminary design phase, 35% cost estimates, land ownership drawings, and 35% design drawings.

If you have any questions or comments please do not hesitate to contact me.

Sincerely,

Michael H. Cole
Project Engineer

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35% DESIGN

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DEVELOPMENT REPORT

INTRODUCTION

As implementation and construction of numerous miles of concrete path has progressed along the Dry Creek and Crow Creek corridors throughout the City of Cheyenne, it has been determined that further expansion of these popular pedestrian arterials need to be developed to incorporate neighborhoods and attractions currently not serviced by the "Greater Cheyenne Greenway."

The following report presents three proposed greenway extensions that will incorporate the current Greater Cheyenne Greenway system into the following areas:

1. The Downtown Area, including the Transportation Museum,
2. The Avenues Neighborhood, north of Pershing Blvd., and east of Warren Ave.,
3. East Cheyenne including the Sun Valley Neighborhood, south of U.S. Hwy 30.

A detailed development history, 35 percent design plans, land ownership maps, cost estimates, and conceptual drawings for each of the three proposed greenway extensions are included within this report.

DEVELOPMENT HISTORY – PRELIMINARY INVESTIGATION

During late 1998 and early 1999, all three of the proposed routes were reviewed to determine the best possible alignment that would successfully accommodate an attractive and economical solution for the greenway expansion. During this preliminary review, all three routes were physically walked with numerous photos taken to document possible conflicts, and record unique features. Several landowners were contacted during the preliminary stages to discuss the possibility of future greenway expansion on, or adjacent to, their property. A few landowners expressed negative opinions toward the greenway expansion, but the majority of the people contacted seemed receptive towards future greenway development. Several development plans including the Cheyenne Greenway Development Plan were reviewed during this preliminary investigation.

AVENUES CONNECTION

One route was researched extensively during the preliminary investigation for the Avenues connection. The original alignment connected the existing Morrie Avenue detention ponds pedestrian path to Evans Avenue along the north side of the cemeteries and Miller Elementary School.

After discussing the greenway expansion with Brad Oberg of Laramie County School District No. 1, the proposed alignment was adjusted to tie into the existing gravel parking lot at the southwest corner of the Miller practice field complex. This adjustment eliminates possible conflicts with the Miller Faculty Parking Lot and the proposed greenway path. Mr. Oberg indicated that the School District may grant access for the greenway path through the Miller practice field complex and along the north side of the existing school district maintenance storage yard as depicted on the 35 percent design drawings.

Jerry Olson indicated that the Cheyenne Airport Board may grant access for the proposed greenway path alignment north of the existing city cemeteries on airport property as long as security fence was re-installed, no fixed objects that could interfere with emergency landing practices were constructed within the runway "safety zone", and damage to the existing airport gravel maintenance road was kept to a minimum. After reviewing the Cheyenne Airport Development Plan, it was determined that a greenway route could feasibly be constructed north of the existing cemeteries on the Airport property. Because of future development in the vicinity, Mr. Olson was not receptive towards construction of new greenway path along the existing Airport Parkway corridor, but recommended the installation of painted bicycle lanes along the south shoulder of Airport Parkway.

Father Beavers of St. Mary's Cathedral was skeptical about greenway expansion across Olivet Cemetery, but indicated the Diocese Board may consider an easement across the cemetery if the alignment is kept to the far north and east boundaries. Father Beavers expressed concerns for burial plots eliminated when greenway development begins.

Upon presentation of the preliminary investigation for the Avenues Connection to the Greenway Technical Review Committee, the members advised that 35% design plans depicting a bicycle lane along the south shoulder of Airport Parkway, a 10 ft wide greenway path from Airport Parkway to the Morrie Detention Ponds pedestrian path, and greenway path from Morrie Avenue at Black Court, to Evans Avenue at the Miller practice field parking lot be developed.

DOWNTOWN CONNECTION

The preliminary downtown connection provided painted bicycle lanes on either 19th Street or 22nd Street to Martin Luther King Jr. Park, or new greenway path from the existing Crow Creek Greenway at the Ames Avenue Underpass to the Transportation Museum along the north boundary of the Union Pacific Railroad.

Two preliminary plans were reviewed depicting the proposed Transportation Museum Parking Lot, and the 15th Street reconstruction from Bent Avenue to Thomes Avenue. These two preliminary plans show new 11 ½ ft wide sidewalk on the south side of 15th Street.

After researching the land-ownership status for the downtown area and discovering that the new greenway path can be constructed entirely on City-owned property, the members of the Greenway Technical Review Committee advised that 35% design plans depicting new greenway path construction from the existing Crow Creek Greenway at Ames Avenue to Bent Avenue be developed.

SUN VALLEY CONNECTION

The preliminary Sun Valley connection depicted new greenway path construction from Dry Creek along the College Drive corridor to the southwest corner of the Sun Valley Neighborhood, or new greenway path construction from Dry Creek at U.S. Hwy 30 along the Dry Creek channel to the east edge of the Sun Valley neighborhood.

Several development plats were reviewed for the Sun Valley neighborhood between Pershing Boulevard and what is known as "Sunrise Pointe." Mr. Bailey Dotson of U.S. Development West, Inc. indicated to me that most of the land south of Pershing Boulevard

to Sunrise Pointe, and east of Dry Creek to Taft Avenue will be platted and annexed within the next few years for single family residences. Mr. Kenneth Hess is co-owner of the land to the east of Mr. Dotson's Development, including most of the Dry Creek channel south of Pershing Blvd. Mr. Hess expressed concerns about possible vandalism and increased pedestrian traffic associated with greenway development on his property. Mr. Hess raises horses on his property and is co-owner of a polo field along the Dry Creek channel. Neither Mr. Hess, nor Mr. Dotson was receptive toward greenway expansion on their properties. The preliminary development plat was reviewed for the area owned by WW Corporation south of Pershing Blvd. and west of Cleveland Ave. This preliminary plat depicts an "open space" along the south boundary dedicated for future greenway development.

After reviewing the preliminary investigation for the Sun Valley connection, the members of the Greenway Development Committee advised that 35% design plans be developed for new greenway path construction from Dry Creek at U.S. Hwy 30 along the Dry Creek channel to the intersection of Taft Ave. and Pershing Blvd. From there, the proposed alignment will run along Taft Avenue to the south boundary of the WW Corporation property. The greenway alignment will then proceed along the "open space" dedicated by the WW Corporation to Cheyenne Fire Station No. 3 at Cleveland Avenue. From the Fire Station, the greenway route will parallel the College Drive corridor within City and WYDOT right of way until termination at Baldwin Drive in the southwest corner of the Sun Valley Neighborhood.

After a draft review of this report was examined, members of the Greenway Technical review committee suggested that the alignment along Taft Avenue shift one block to the west, to Pierce Street. Developers of the WW Corporation indicated to the City Greenway staff that the east boundary of the WW Corporation property (at Pierce Street) will be platted for "open space" where future greenway expansion may be developed.

The Greenway Technical Review Committee reviewed costs associated with installing a new pedestrian box culvert beneath U.S. Hwy 30, and concluded that it was cost effective to retrofit one of the existing drainage box culverts at Dry Creek to accommodate pedestrian use. The greenway committee was aware that the existing box culverts at Dry Creek and U.S. Hwy 30 are only 7 ft tall, and limited headroom for pedestrians will be available.

The Greenway Technical Review Committee advised that an at-grade pedestrian crossing at the intersection of Pershing Blvd. and Taft Avenue be developed until future land development activities in east Sun Valley "settle down" to the point that a future grade separated crossing may be researched. Members of the Greenway Technical Review Committee also suggested that quantities be included within the cost estimates of this report for future design and construction of a grade separated crossing at Pershing Boulevard *and* 12th Street.

FUTURE DESIGN PHASES

Several factors should be considered when the proposed greenway expansion for the avenues connection, downtown connection, and Sun Valley connection are developed to 100%. At a minimum, regular contact with affected landowners needs to continue during the next phase of design and development to acquire the needed land parcels and easements for greenway construction.

AVENUES CONNECTION

Future correspondence with the Airport Board should gather the required easements across airport property. The Airport Board will be concerned with security during and after construction of the greenway extension. Particular care should be taken in determining the type of fence required for a secure boundary, and minimum distances required in developing a greenway path in close proximity to existing taxiways and runways. It was discovered that several luminaires, poles, foundations, and additional electrical utilities would need to be relocated along the proposed greenway path alignment from the Morrie detention ponds to Airport Parkway.

Negotiations with the Catholic Church need to commence as soon as possible to acquire the needed land parcels for the proposed greenway path extension.

Coordination with Laramie County School District #1 should provide the necessary clean up of the existing maintenance storage yard prior to greenway construction along the north boundary of the School District property.

Thought should be given to protecting the existing cemeteries from vandalism when the new greenway corridor is constructed. Adequate fencing that can provide an attractive, secure environment should be considered.

DOWNTOWN CONNECTION

Cooperation with the City of Cheyenne Sanitation Department is needed during the next design phase for the existing storage area to be cleaned of all excess materials prior to construction.

Discussions with Burlington Northern and Santa Fe railroad personnel should proceed in developing a safe and attractive at grade pedestrian railroad crossing.

Future construction of the Transportation Museum Parking Lot and the 15th Street reconstruction project need to be monitored to ensure an adequate transition from greenway path conception to urban sidewalk. Installation of permanent fixtures like benches and luminaires should consider the safety of future bicycle users.

SUN VALLEY CONNECTION

Discussions with the Wyoming Department of Transportation should proceed immediately to design a safe and adequate grade separated crossing at the existing box culvert structure at Dry Creek and U.S. Hwy 30 that maintains an acceptable hydraulic capacity. Correspondence with WYDOT should also include pedestrian design criteria to enhance the existing at-grade crossing at 12th Street and College Drive. Easements need to be developed and approved by WYDOT to use the existing College Drive right of way as a pedestrian corridor.

All impacted landowners need to be contacted and approached within the proposed Sun Valley connection to establish permanent easements, or land acquisition.

Possible utility conflicts need to be investigated further. Although utilities appear to be minimal, some conflicts may arise along Pershing Boulevard, as well as in the existing Dry

Creek channel. It has been observed that several utility poles line the south side of Pershing Boulevard. Also, high-pressure gas and sanitary sewer services are buried on the upstream side of the existing Dry Creek box culverts at U.S. Hwy 30. An existing drain culvert will have to be re-aligned on the downstream side of the box culvert at U.S. Hwy 30. All utilities within the Sun Valley connection greenway path alignment need to be physically located prior to publication of the final design.

CONCLUSIONS

The 35 percent design for the Cheyenne Greenway Expansion should provide a reliable reference for future design, land acquisition, and budgeting for the three area connections.

The Avenues connection should provide a usable pedestrian arterial for Greenway users to access the Avenues Neighborhood, and the Miller Practice Fields. The Downtown Connection should improve the landscape along the north border of the existing railroad boundary in conjunction with the improvements of 15th Street and the Transportation Museum Parking Lot. The Sun Valley Connection should be a welcome addition to all greenway users in East Cheyenne. The Sun Valley Connection may also be expanded to include the Campstool road corridor as presented in the original Greenway Development Plan.

The greenway corridor is a radiant enhancement to the City of Cheyenne, and its users can only benefit with future expansion of this unique trail.

AVENUES GREENWAY CONNECTION
35% DESIGN COST ESTIMATE

DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
MOBILIZATION	LS	LUMP SUM	$ 15,000.00	$ 15,000.00
10' CONCRETE PATH 4" THICK INCLUDING CRUSHED BASE, EXCAVATION OR FILL	SY	4460	28.00	124,880.00
4" CONCRETE SIDEWALK (ADA RAMPS)	SY	140	25.00	3,500.00
12" HDPE	LF	100	30.00	3,000.00
12" HDPE FE SECTION	EA	10	175.00	1,750.00
CLASS 2 RIP RAP	CY	30	70.00	2,100.00
REVEGETATION	AC	4	1,500.00	6,000.00
STRIPING	SF	4150	1.00	4,150.00
TRAFFIC CONTROL	LS	LUMP SUM	1,500.00	1,500.00
FENCE - TWO RAIL GREENWAY	LF	2000	10.00	20,000.00
FENCE - 4' STEEL	LF	300	28.00	8,400.00
FENCE - 6' SECURITY	LF	2400	35.00	84,000.00
SIGNS - TYPE I	EA	12	220.00	2,640.00
SIGNS - TYPE II	EA	2	220.00	440.00
REMOVE & REPLACE EXISTING LUMINAIRES & MISC. ELECTRICAL EQUIPMENT	LS	LUMP SUM	6,000.00	6,000.00
CONSTRUCTION SUBTOTAL				**$ 283,360.00**
CONTINGENCY (15% OF CONST. COSTS)	LS	LUMP SUM	42,504.00	42,504.00
ENGINEERING (13% OF CONST. COSTS)	LS	LUMP SUM	36,836.80	36,836.80
TOTAL				**$ 362,700.80**

NOTE: No costs were included for required right of way acquisition or easements. It is anticipated that approximately 0.58 acres of privately held land will need to be acquired for development of the Avenues Greenway connection, prior to construction. Recent sales indicate that undeveloped, privately held land should be acquired for $25,000 to $30,000 per acre. Reference the land acquisition summary and land ownership maps for impacted landowners.

TABLE 1

DOWNTOWN GREENWAY CONNECTION
35% DESIGN COST ESTIMATE

DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
MOBILIZATION	LS	LUMP SUM	$ 8,000.00	$ 8,000.00
10' CONCRETE PATH 4" THICK INCLUDING CRUSHED BASE, EXCAVATION OR FILL	SY	1360	28.00	38,080.00
CONCRETE SIDEWALK (ADA RAMPS)	SY	30	25.00	750.00
12" HDPE	LF	60	30.00	1,800.00
12" HDPE FE SECTION	EA	6	175.00	1,050.00
CLASS 2 RIP RAP	CY	20	70.00	1,400.00
REVEGETATION	AC	1.5	1,300.00	1,950.00
TRAFFIC CONTROL	LS	LUMP SUM	1,000.00	1,000.00
FENCE - TWO RAIL GREENWAY	LF	400	10.00	4,000.00
FENCE - 6' SECURITY	LF	1400	35.00	49,000.00
SIGNS - TYPE I	EA	4	200.00	800.00
SIGNS - TYPE II	EA	2	200.00	400.00
AT GRADE RAILROAD PEDESTRIAN CROSSING AND ELECTRICAL SYSTEM	LS	LUMP SUM	6,000.00	6,000.00
CONSTRUCTION SUBTOTAL				**$ 114,230.00**
CONTINGENCY (15% OF CONST. COSTS)	LS	LUMP SUM	17,134.50	17,134.50
ENGINEERING (13% OF CONST. COSTS)	LS	LUMP SUM	14,849.90	14,849.90
TOTAL				**$ 146,214.40**

NOTE: No costs were included for required right of way acquisition or easements. It is not anticipated that any privately held land will need to be acquired for development of the Downtown Greenway connection. Reference the land acquisition summary and land ownership maps for land--ownership status.

TABLE 2

SUN VALLEY GREENWAY CONNECTION - PHASE I
DRY CREEK TO PERSHING BLVD.
(STA. 0+00 TO STA. 33+90)
35% DESIGN COST ESTIMATE

DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
MOBILIZATION	LS	LUMP SUM	$ 25,000.00	$ 25,000.00
STORM WATER CONTROL	LS	LUMP SUM	3,500.00	3,500.00
GRADING "A" STABILIZATION MATERIAL	CY	500	38.00	19,000.00
10' CONCRETE PATH 4" THICK INCLUDING CRUSHED BASE, EXCAVATION OR FILL	SY	3125	28.00	87,500.00
10' CONCRETE PATH 6" THICK INCLUDING CRUSHED BASE, EXCAVATION OR FILL	SY	390	45.00	17,550.00
4" CONCRETE SIDEWALK (ADA RAMPS)	SY	40	30.00	1,200.00
CURB AND GUTTER	LF	55	20.00	1,100.00
CURB AND GUTTER REMOVAL AND DISPOSAL	LF	55	5.00	275.00
HDPE	LF	80	32.00	2,560.00
HDPE FE SECTION	EA	8	200.00	1,600.00
CMP	LF	50	40.00	2,000.00
CLASS 2 RIP RAP	CY	75	70.00	5,250.00
CLASS 2 GROUTED RIP RAP	CY	150	210.00	31,500.00
REVEGETATION	AC	3	1,500.00	4,500.00
STRIPING	SF	400	1.00	400.00
TRAFFIC CONTROL	LS	LUMP SUM	1,500.00	1,500.00
FENCE - TWO RAIL GREENWAY	LF	1200	10.00	12,000.00
FENCE - 4' STEEL	LF	100	28.00	2,800.00
FENCE - GUARDRAIL	LF	250	40.00	10,000.00
SIGNS - TYPE I	EA	8	220.00	1,760.00
SIGNS - TYPE II	EA	2	220.00	440.00
10 FT SHEET PILING	LF	1000	140.00	140,000.00
STRUCTURAL CONCRETE (BOX CULVERT REHABILITATION AND RETAINING WALLS)	LS	LUMP SUM	100,000.00	100,000.00
PUMP LIFT STATION	LS	LUMP SUM	9,000.00	9,000.00
BOX CULVERT REHABILITATION MISCELLANEOUS PIPING AND INLETS (PERFORATED PIPE, TRENCH DRAINS, ETC.)	LS	LUMP SUM	3,000.00	3,000.00
ELECTRICAL	LS	LUMP SUM	12,000.00	12,000.00
CONSTRUCTION SUBTOTAL				**$ 495,435.00**
CONTINGENCY (15% OF CONST. COSTS)	LS	LUMP SUM	74,315.25	74,315.25
ENGINEERING (13% OF CONST. COSTS)	LS	LUMP SUM	64,406.55	64,406.55
TOTAL				**$ 634,156.80**

NOTE: No costs were included for required right of way acquisition or easements. It is anticipated that approximately 1 acre of privately held land will need to be acquired for development of this Sun Valley Phase I connection, prior to construction. Recent sales indicate that undeveloped, privately held land should be acquired for $25,000 to $30,000 per acre. Reference the land acquisition summary and land ownership maps for impacted landowners.

TABLE 3

SUN VALLEY GREENWAY CONNECTION - PHASE II
PERSHING BLVD. TO SOUTHWEST SUN VALLEY
(STA. 33+90 TO STA. 123+65)
35% DESIGN COST ESTIMATE

DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
MOBILIZATION	LS	LUMP SUM	$ 20,000.00	$ 20,000.00
STORM WATER CONTROL	LS	LUMP SUM	1,500.00	1,500.00
10' CONCRETE PATH 4" THICK INCLUDING CRUSHED BASE, EXCAVATION OR FILL	SY	9725	28.00	272,300.00
4" CONCRETE SIDEWALK (ADA RAMPS)	SY	140	30.00	4,200.00
CURB AND GUTTER	LF	185	20.00	3,700.00
CURB AND GUTTER REMOVAL AND DISPOSAL	LF	185	5.00	925.00
HDPE	LF	240	32.00	7,680.00
HDPE FE SECTION	EA	24	200.00	4,800.00
CLASS 2 RIP RAP	CY	225	70.00	15,750.00
REVEGETATION	AC	7	1,500.00	10,500.00
STRIPING	SF	1000	1.00	1,000.00
TRAFFIC CONTROL	LS	LUMP SUM	3,500.00	3,500.00
FENCE - TWO RAIL GREENWAY	LF	1800	10.00	18,000.00
FENCE - SECURITY	LF	200	35.00	7,000.00
SIGNS - TYPE I	EA	17	220.00	3,740.00
SIGNS - TYPE II	EA	4	220.00	880.00
CONSTRUCTION SUBTOTAL				**$ 375,475.00**

CONTINGENCY (15% OF CONST. COSTS)	LS	LUMP SUM	56,321.25	56,321.25
ENGINEERING (13% OF CONST. COSTS)	LS	LUMP SUM	48,811.75	48,811.75
TOTAL				**$ 480,608.00**

TOTAL SUN VALLEY CONNECTION (STA. 0+00 TO STA. 123+65) EXCLUDING ALTERNATIVES **$ 1,114,764.80**
TOTAL SUN VALLEY CONNECTION INCLUDING ALTERNATIVES **$ 2,177,254.40**

NOTES: 1. No costs were included for required right of way acquisition or easements. It is anticipated that approximately 0.3 acres of privately held land will need to be acquired for development of the Sun Valley Phase II connection, prior to construction. This does not include 1.36 acres of privately held land owned by the WW Corporation. Recent sales indicate that undeveloped, privately held land should be acquired for $25,000 to $30,000 per acre. Reference the land acquisition summary and land ownership maps for impacted landowners.

2. See Table 3 for the 35% cost estimate for the Sun Valley Greenway Phase I connection from Dry Creek to Pershing Blvd. (Sta. 0+00 to Sta. 33+90).

3. See Table 5 for estimated preliminary costs for three possible alternatives for future development of the Sun Valley Greenway corridor.

TABLE 4

SUN VALLEY GREENWAY CONNECTION - ALTERNATIVE 1
GRADE SEPARATED CROSSING AT DRY CREEK AND PERSHING BLVD.
35% DESIGN COST ESTIMATE

DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
MOBILIZATION	LS	LUMP SUM	$ 35,000.00	$ 35,000.00
STORM WATER CONTROL	LS	LUMP SUM	5,000.00	5,000.00
GRADING "A" STABILIZATION MATERIAL	CY	500	38.00	19,000.00
10' CONCRETE PATH 6" THICK INCLUDING CRUSHED BASE, EXCAVATION OR FILL	SY	560	45.00	25,200.00
CURB AND GUTTER	LF	120	20.00	2,400.00
CONCRETE PAVEMENT	SY	400	50.00	20,000.00
ASPHALT PAVEMENT REMOVAL AND DISPOSAL	SY	400	10.00	4,000.00
CLASS 2 GROUTED RIP RAP	CY	150	210.00	31,500.00
REVEGETATION	AC	2	1,500.00	3,000.00
TRAFFIC CONTROL	LS	LUMP SUM	6,000.00	6,000.00
FENCE - TWO RAIL GREENWAY	LF	300	10.00	3,000.00
FENCE - 4' STEEL	LF	100	28.00	2,800.00
FENCE - GUARDRAIL	LF	250	40.00	10,000.00
SIGNS - TYPE I	EA	4	220.00	880.00
SIGNS - TYPE II	EA	2	220.00	440.00
8' X 12' PRE-CAST PEDESTRIAN BOX CULVERTS	LS	LUMP SUM	90,000.00	90,000.00
RETAINING WALLS AND HEADWALLS	LS	LUMP SUM	110,000.00	110,000.00
PUMP LIFT STATION	LS	LUMP SUM	12,000.00	12,000.00
ELECTRICAL	LS	LUMP SUM	12,000.00	12,000.00
CONSTRUCTION SUBTOTAL				**$ 392,220.00**
CONTINGENCY (15% OF CONST. COSTS)	LS	LUMP SUM	58,833.00	58,833.00
ENGINEERING (13% OF CONST. COSTS)	LS	LUMP SUM	50,988.60	50,988.60
TOTAL				**$ 502,041.60**

SUN VALLEY GREENWAY CONNECTION - ALTERNATIVE 2
GRADE SEPARATED CROSSING AT 12TH STREET
35% DESIGN COST ESTIMATE

DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
MOBILIZATION	LS	LUMP SUM	$ 30,000.00	$ 30,000.00
STORM WATER CONTROL	LS	LUMP SUM	1,500.00	1,500.00
GRADING "A" STABILIZATION MATERIAL	CY	500	38.00	19,000.00
10' CONCRETE PATH 6" THICK INCLUDING CRUSHED BASE, EXCAVATION OR FILL	SY	560	45.00	25,200.00
CURB AND GUTTER	LF	150	20.00	3,000.00
CURB AND GUTTER REMOVAL AND DISPOSAL	LF	150	5.00	750.00
CONCRETE PAVEMENT	SY	560	50.00	28,000.00
PAVEMENT REMOVAL AND DISPOSAL	SY	560	13.00	7,280.00
REVEGETATION	AC	1	1,500.00	1,500.00
TRAFFIC CONTROL	LS	LUMP SUM	6,000.00	6,000.00
FENCE - TWO RAIL GREENWAY	LF	150	10.00	1,500.00
FENCE - 4' STEEL	LF	100	28.00	2,800.00
FENCE - GUARDRAIL	LF	250	40.00	10,000.00
SIGNS - TYPE I	EA	4	220.00	880.00
SIGNS - TYPE II	EA	2	220.00	440.00
8' X 12' PRE-CAST PEDESTRIAN BOX CULVERTS	LS	LUMP SUM	110,000.00	110,000.00
RETAINING WALLS AND HEADWALLS	LS	LUMP SUM	110,000.00	110,000.00
PUMP LIFT STATION	LS	LUMP SUM	10,000.00	10,000.00
ELECTRICAL	LS	LUMP SUM	12,000.00	12,000.00
CONSTRUCTION SUBTOTAL				**$ 379,850.00**
CONTINGENCY (15% OF CONST. COSTS)	LS	LUMP SUM	56,977.50	56,977.50
ENGINEERING (13% OF CONST. COSTS)	LS	LUMP SUM	49,380.50	49,380.50
TOTAL				**$ 486,208.00**

SUN VALLEY GREENWAY CONNECTION - ALTERNATIVE 3
TRAFFIC SIGNAL SYSTEM AT PERSHING BLVD. AND TAFT AVE.
35% DESIGN COST ESTIMATE

DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
MOBILIZATION	LS	LUMP SUM	$ 3,000.00	$ 3,000.00
TRAFFIC SIGNAL SYSTEM	LS	LUMP SUM	55,000.00	55,000.00
CONSTRUCTION SUBTOTAL				**$ 58,000.00**
CONTINGENCY (15% OF CONST. COSTS)	LS	LUMP SUM	8,700.00	8,700.00
ENGINEERING (13% OF CONST. COSTS)	LS	LUMP SUM	7,540.00	7,540.00
TOTAL				**$ 74,240.00**

TABLE 5

LENGTH OF PATH SUMMARY
35% DESIGN

AVENUES CONNECTION

BEGIN STATION	END STATION	LENGTH LF	10 FT PATH LF	CROSSWALK LF	BIKE LANE LF	STRUCTURE LF	DESCRIPTION
0+00	34+15	3415	3415				10 FT WIDE CONCRETE PATH (NORTH OF CEMETERIES)
34+15	34+80	65		65			AT GRADE PEDESTRIAN CROSSING ACROSS MORRIE AVENUE
0+00	5+98	598	598				10 FT WIDE CONCRETE PATH (ALONG MORRIE AVE.)
5+98	59+12	5314			5314		10 FT WIDE PAINTED BICYCLE LANE (ALONG SOUTH SHOULDER OF AIRPORT PARKWAY)
59+12	59+62	50		50			AT GRADE PEDESTRIAN CROSSING ACROSS AIRPORT PARKWAY
SUBTOTAL		9442	4013	115	5314	0	

DOWNTOWN CONNECTION

BEGIN STATION	END STATION	LENGTH LF	10 FT PATH LF	CROSSWALK LF	BIKE LANE LF	STRUCTURE LF	DESCRIPTION
0+00	8+49	849	849				10 FT WIDE CONCRETE PATH
8+49	8+60	11				11	AT GRADE PEDESTRIAN RAILROAD CROSSING
8+60	12+34	374	374				10 FT WIDE CONCRETE PATH
SUBTOTAL		1234	1223	0	0	11	

SUN VALLEY CONNECTION

BEGIN STATION	END STATION	LENGTH LF	10 FT PATH LF	CROSSWALK LF	BIKE LANE LF	STRUCTURE LF	DESCRIPTION
0+00	3+00	300	300				10 FT WIDE CONCRETE PATH
3+00	8+00	500				500	BELOW GRADE PEDESTRIAN CROSSING AT DRY CREEK AND U.S. 30 (INCLUDES RETAINING WALLS)
8+00	33+10	2510	2510				10 FT WIDE CONCRETE PATH
33+10	33+90	80		80			AT GRADE PEDESTRIAN CROSSING ACROSS PERSHING BLVD.
33+90	34+70	80		80			AT GRADE PEDESTRIAN CROSSING ACROSS TAFT AVE.
34+70	70+50	3580	3580				10 FT WIDE CONCRETE PATH
70+50	71+03	53		53			AT GRADE PEDESTRIAN CROSSING ACROSS CLEVELAND AVE.
71+03	98+95	2792	2792				10 FT WIDE CONCRETE PATH
98+95	99+25	30		30			AT GRADE PEDESTRIAN CROSSING ACROSS 12TH STREET RIGHT TURN LANE
99+25	100+00	75	75				10 FT WIDE CONCRETE PATH THROUGH RAISED PAVEMENT ISLAND
100+00	100+63	63		63			AT GRADE PEDESTRIAN CROSSING ACROSS 12TH STREET RIGHT TURN LANE
100+63	123+65	2302	2302				10 FT WIDE CONCRETE PATH
SUBTOTAL		12365	11559	306	0	500	
TOTAL		23041	16795	421	5314	511	

TABLE 6

LAND ACQUISITION SUMMARY

AVENUES CONNECTION

BEGIN STATION	END STATION	LENGTH FT	WIDTH FT	AREA SF	AREA ACRES	LAND OWNERSHIP
0+00	10+50	1050	20	21,000	0.48	LCSD #1
10+50	21+57	1107	20	22,140	0.51	CHEYENNE AIRPORT BOARD
21+57	34+15	1258	20	25,160	0.58	OLIVET CEMETERY, ST. MARY'S CATHEDRAL
34+15	34+80	65	20	1,300	0.03	CITY OF CHEYENNE, MORRIE AVE. R.O.W.
0+00	59+62	5962	10	59,620	1.37	CHEYENNE AIRPORT BOARD (AIRPORT PARKWAY R.O.W.)
SUBTOTAL		**9442**		**129,220**	**2.97**	

DOWNTOWN CONNECTION

BEGIN STATION	END STATION	LENGTH FT	WIDTH FT	AREA SF	AREA ACRES	LAND OWNERSHIP
0+00	12+34	1234	20	24,680	0.57	CITY OF CHEYENNE
SUBTOTAL		**1234**		**24,680**	**0.57**	

SUN VALLEY CONNECTION

BEGIN STATION	END STATION	LENGTH FT	WIDTH FT	AREA SF	AREA ACRES	LAND OWNERSHIP
0+00	4+20	420	20	8,400	0.19	LARAMIE COUNTY, DRY CREEK PARK
4+20	7+20	300	20	6,000	0.14	STATE OF WYOMING, DEPARTMENT OF TRANSPORTATION
7+20	9+15	195	50	9,750	0.22	CHRIS R. OLSEN ET UX
9+15	12+00	285	20	5,700	0.13	STATE OF WYOMING, DEPARTMENT OF TRANSPORTATION
12+00	12+20	20	20	400	0.01	CHRIS R. OLSEN ET UX
12+20	19+85	765	20	15,300	0.35	DENNIS M. STEELE ET AL
19+85	20+60	75	20	1,500	0.03	LARAMIE COUNTY, CHEYENNE STREET R.O.W.
20+60	21+55	95	20	1,900	0.04	ROBERT J. CONINE
21+55	26+70	515	20	10,300	0.24	LARAMIE COUNTY, VAN BUREN STREET R.O.W.
26+70	32+75	605	20	12,100	0.28	ROBERT J. CONINE
32+75	33+85	110	20	2,200	0.05	PERSHING BLVD. R.O.W.
33+85	34+75	90	20	1,800	0.04	TAFT AVE. R.O.W.
34+75	40+90	615	20	12,300	0.28	MULTIPLE OWNERS: LARAMIE COUNTY (PERSHING BLVD. R.O.W.) AND PERSHING POINTE LTD. PARNTERSHIP.
40+90	70+50	2960	20	59,200	1.36	WW CORPORATION
70+50	71+30	80	20	1,600	0.04	CITY OF CHEYENNE (CLEVELAND AVE. R.O.W.)
71+30	75+50	420	20	8,400	0.19	CITY OF CHEYENNE (FIRE STATION NO. 3)
75+50	92+50	1700	20	34,000	0.78	CITY OF CHEYENNE
92+50	123+65	3115	20	62,300	1.43	STATE OF WYOMING, DEPARTMENT OF TRANSPORTATION
SUBTOTAL		**12365**		**253,150**	**5.81**	
TOTAL		**23041**		**407,050**	**9.34**	

NOTE: Funds should be reserved for land acquisition purchase or easement transactions for the landowners highlighted above. All funds required for land acquisition from non-highlighted landowners should be considered negligible.

TABLE 7

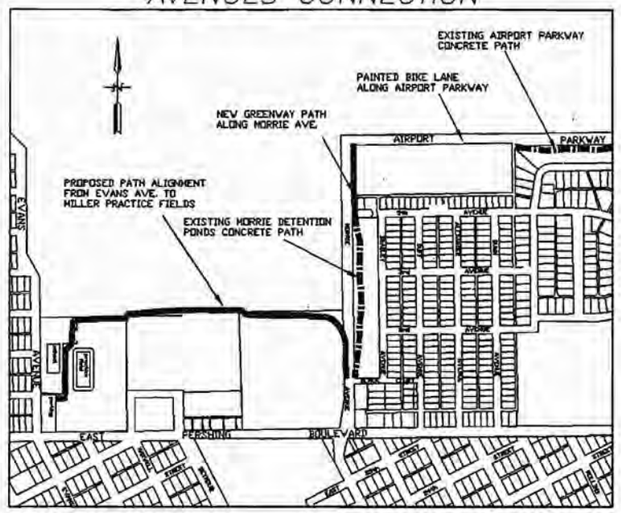
GREATER CHEYENNE GREENWAY EXTENSIONS

35% DESIGN

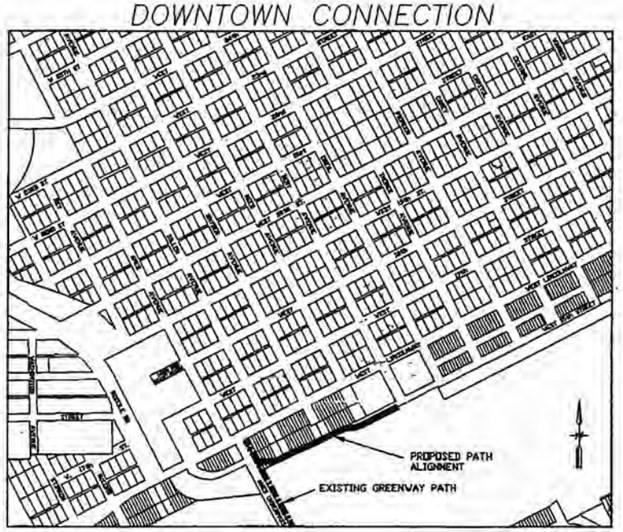
CITY OF CHEYENNE

APRIL 1999

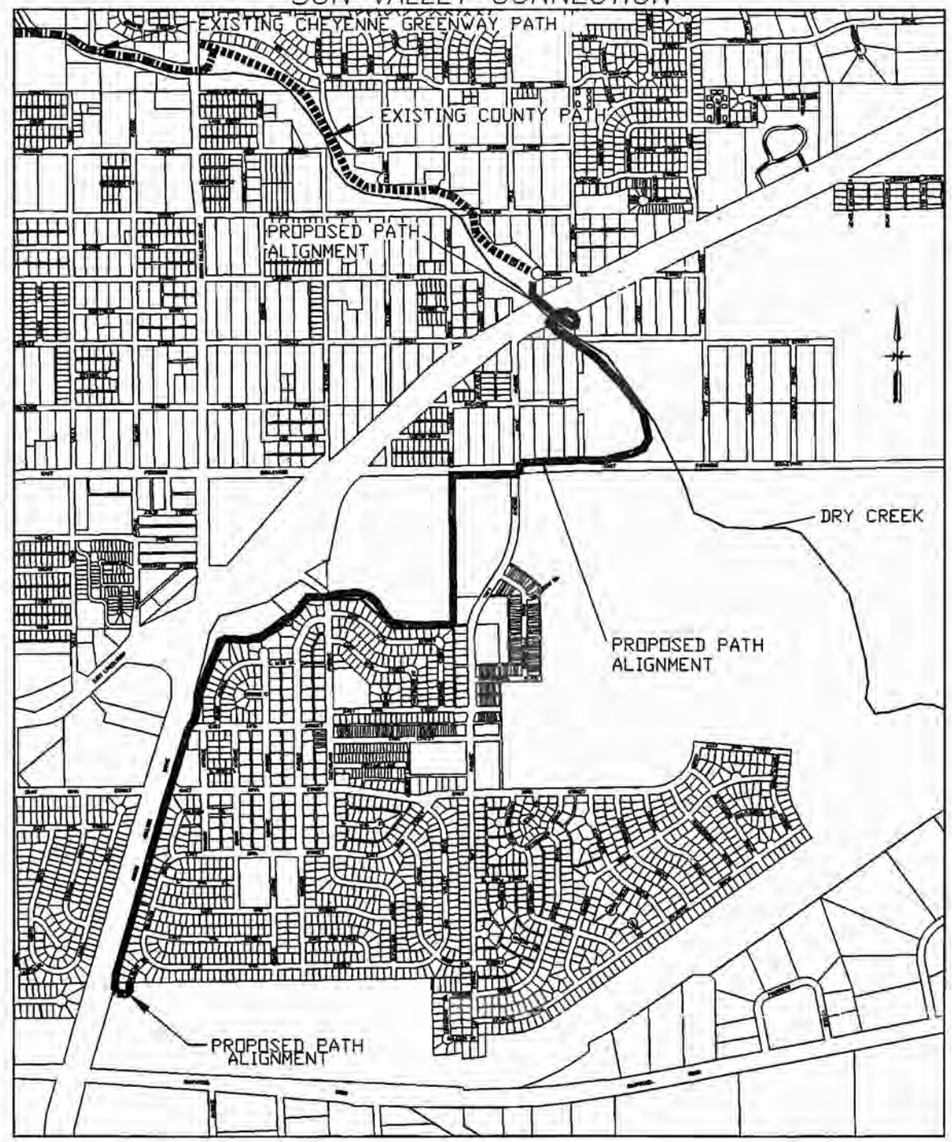
AVENUES CONNECTION

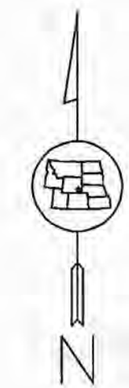


DOWNTOWN CONNECTION



SUN VALLEY CONNECTION





35% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION

35% SUBMITTAL	MHC	4/30/99
DESCRIPTION OF REVISION	BY	DATE

Greater CHEYENNE Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1934 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7848
(307) 634-7851 FAX

WARNING
IF THIS BAR DOES NOT MEASURE 1/2" THEN DRAWING IS NOT TO SCALE

DESIGNED	MHC
DRAWN	MHC
CHECKED	PTT
PEER REVIEWED	
PROJECT MANAGER	PTT
DATE	APRIL 1999

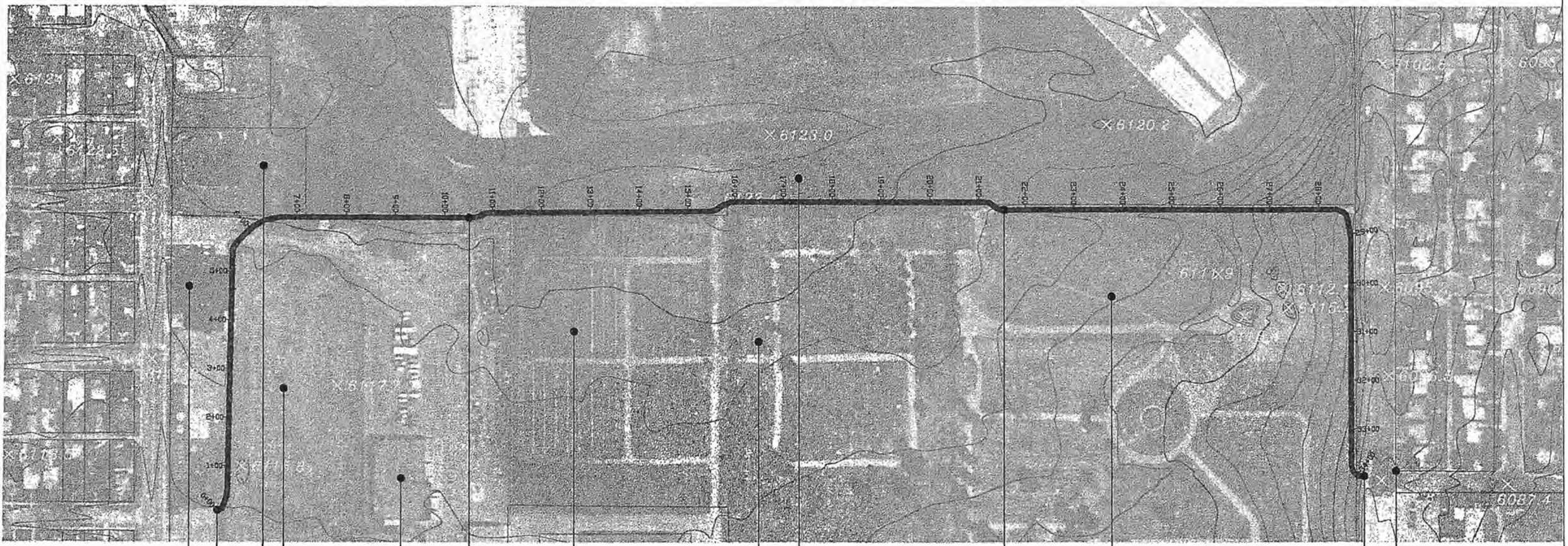
CITY OF CHEYENNE GREENWAY EXTENSIONS

TITLE AND PROJECT LOCATION

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET TITLE

PROPERTY OWNERSHIPS SHOWN HERE ARE AS RECORDED IN THE LARAMIE COUNTY RECORDS AS OF JANUARY, 1999. TITLE RESEARCH AND BOUNDARY SURVEY WORK MAY BE REQUIRED FOR CERTAIN PARCELS. OWNERSHIP IS SUBJECT TO CHANGE AND SHOULD BE VERIFIED PRIOR TO ACQUISITION OR EASMENT NEGOTIATIONS.

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/06/99

CHEYENNE Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7848
(307) 634-7851 FAX

WARNING
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DESIGNED MHC
DRAWN MHC
CHECKED PTT
PEER REVIEWED
PROJECT MANAGER PTT
DATE APRIL 1999

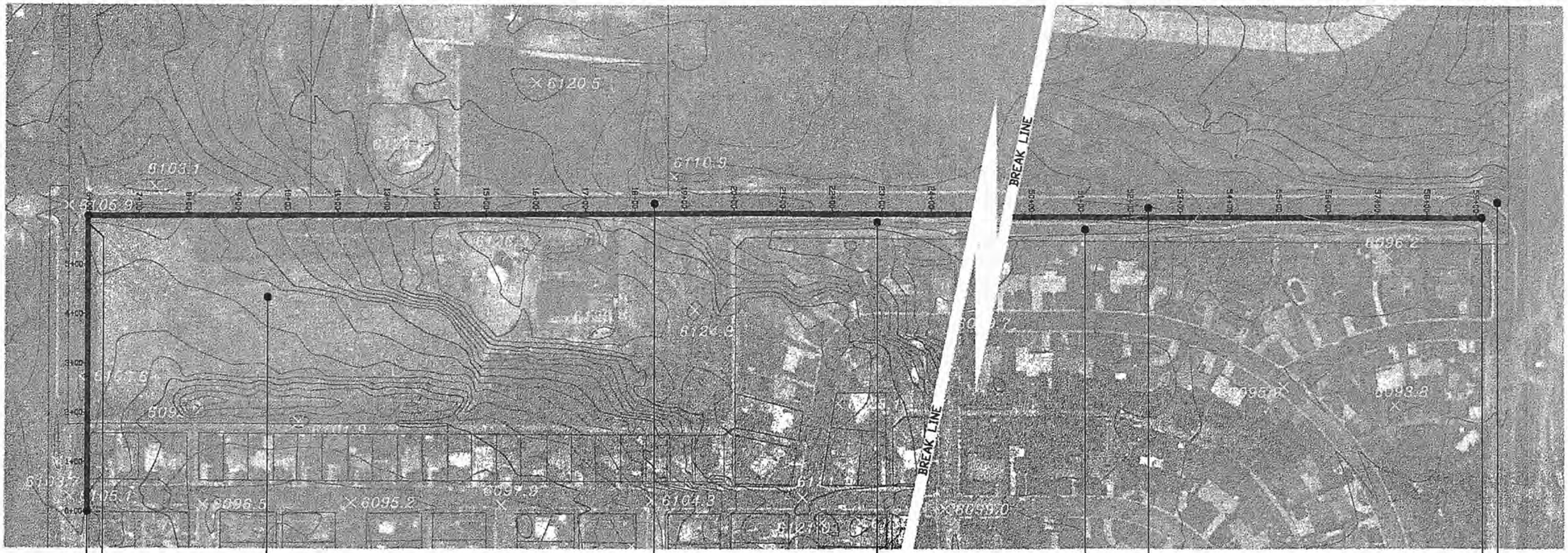
CITY OF CHEYENNE GREENWAY EXTENSIONS

AVENUES CONNECTION
LAND OWNERSHIP

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 1 OF 17

PROPERTY OWNERSHIPS SHOWN HERE ARE AS RECORDED IN THE LARAMIE COUNTY RECORDS AS OF JANUARY, 1999. TITLE RESEARCH AND BOUNDARY SURVEY WORK MAY BE REQUIRED FOR CERTAIN PARCELS. OWNERSHIP IS SUBJECT TO CHANGE AND SHOULD BE VERIFIED PRIOR TO ACQUISITION OR EASMENT NEGOTIATIONS.

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT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BREAK LINE
6120.5
6110.5
6103.1
6124.9
6096.2
6093.8
6099.0
6104.3
6095.2
6096.5
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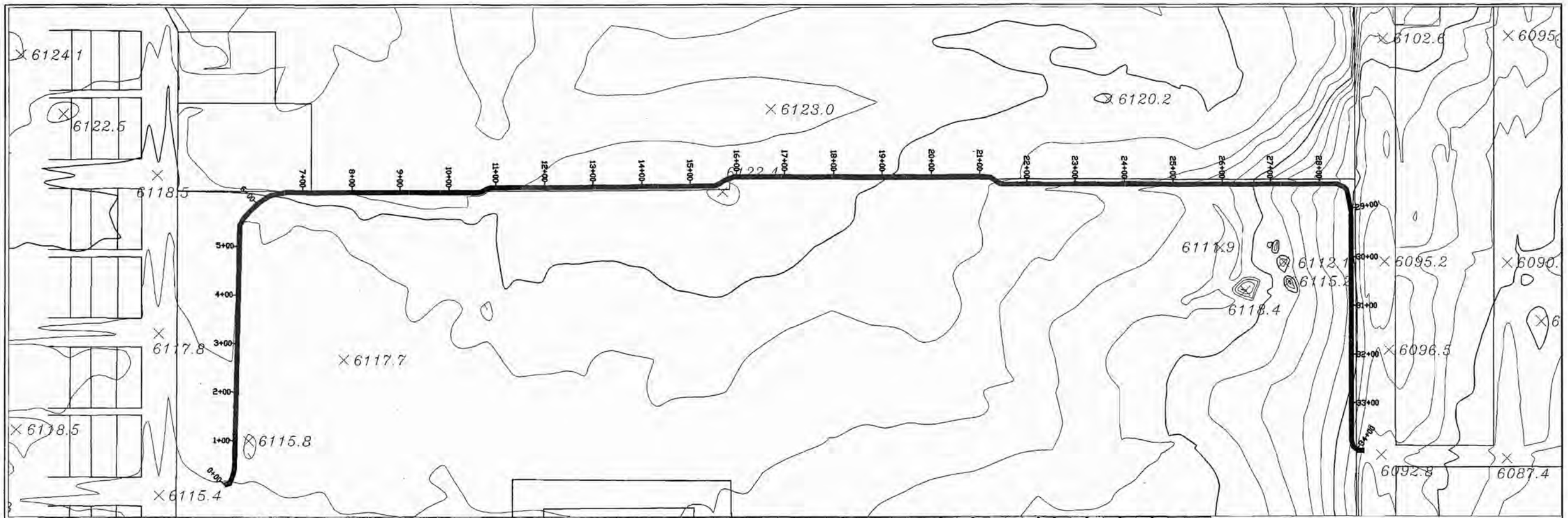
6113.7
6105.7
6109
6101.9
6121.6
6121.6
6121.6



REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/06/99

FILE NAME: AVENUE | OPER: DPC | PROJ: 335 | LOC: CHEYENNE, WYOMING | SEND TO: PAT THRELL, P.E.
SCALE: 1" = 200' | DATE: APRIL 1999 | TASK: 001 | PROJ: GREENWAY EXTENSIONS | PHONE: (307) 634-7648

Greater CHEYENNE Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7648
(307) 634-7851 FAX

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1/2" THEN DRAWING IS NOT TO SCALE

DESIGNED	DPC
DRAWN	DPC
CHECKED	PTT
PEER REVIEWED	
PROJECT MANAGER	PTT
DATE	APRIL 1999

CITY OF CHEYENNE GREENWAY EXTENSIONS

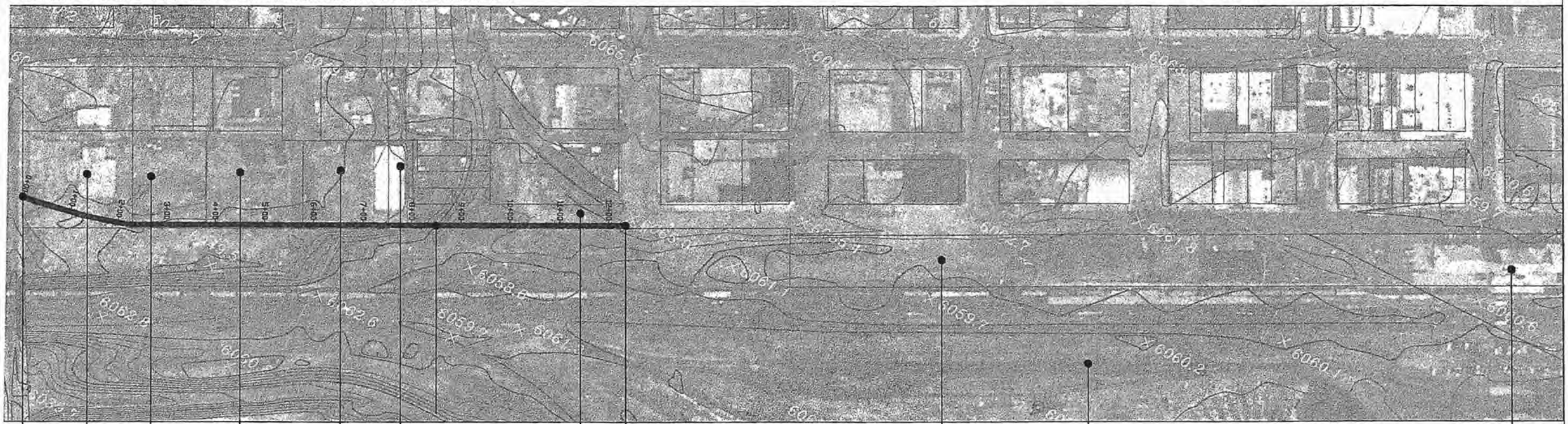
AVENUES CONNECTION
PLAN AND PROFILE

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 3 OF 17

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS,
CITY OF CHEYENNE, 1994 FLIGHT

ROPERTY OWNERSHIPS SHOWN HERE ARE AS RECORDED IN THE LARAMIE COUNTY RECORDS AS OF JANUARY, 1999.
TLE RESEARCH AND BOUNDARY SURVEY WORK MAY BE REQUIRED FOR CERTAIN PARCELS. OWNERSHIP IS SUBJECT
) CHANGE AND SHOULD BE VERIFIED PRIOR TO ACQUISITION OR EASMENT NEGOTIATIONS.

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



CITY OF CHEYENNE
DEDICATED TO THE CITY
CHEYENNE, WY 82001

CITY OF CHEYENNE
DEDICATED TO THE CITY
CHEYENNE, WY 82001

CITY OF CHEYENNE
DEDICATED TO THE CITY
CHEYENNE, WY 82001

CITY OF CHEYENNE
DEDICATED TO THE CITY
CHEYENNE, WY 82001

CITY OF CHEYENNE
DEDICATED TO THE CITY
CHEYENNE, WY 82001

CITY OF CHEYENNE
(15TH STREET R.O.W.)
CHEYENNE, WY 82001

UNION PACIFIC RAILROAD

TRANSPORTATION MUSEUM
CITY OF CHEYENNE

CITY OF CHEYENNE
TRANSPORTATION MUSEUM
(PROPOSED TRANSPORTATION
MUSEUM PARKING LOT)
2101 O'NEIL AVENUE
CHEYENNE, WY 82001

STA. 0+00
BEGIN DOWNTOWN CONNECTION.
TIE INTO EXISTING CROW CREEK
GREENWAY PATH EAST OF AMES
AVENUE AND NORTH OF EXISTING
DRAINAGE STRUCTURE.

STA. 8+49
AT-GRADE PEDESTRIAN
RAILROAD CROSSING
(WITHIN 15TH STREET
CITY RIGHT OF WAY)
BURLINGTON NORTHERN
RAILROAD COMPANY

STA 12+34
END DOWNTOWN CONNECTION.
TIE INTO SOUTH 15TH STREET
SIDEWALK AT BENT AVENUE.
(15TH STREET SIDEWALK TO
BE COMPLETED WITH 15TH
STREET RECONSTRUCTION AND
TRANSPORTATION MUSEUM
PARKING LOT CONSTRUCTION.)

N

SCALE (FEET)
200 100 0 100 200

REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/06/99

Cheyenne Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7646
(307) 634-7651 FAX

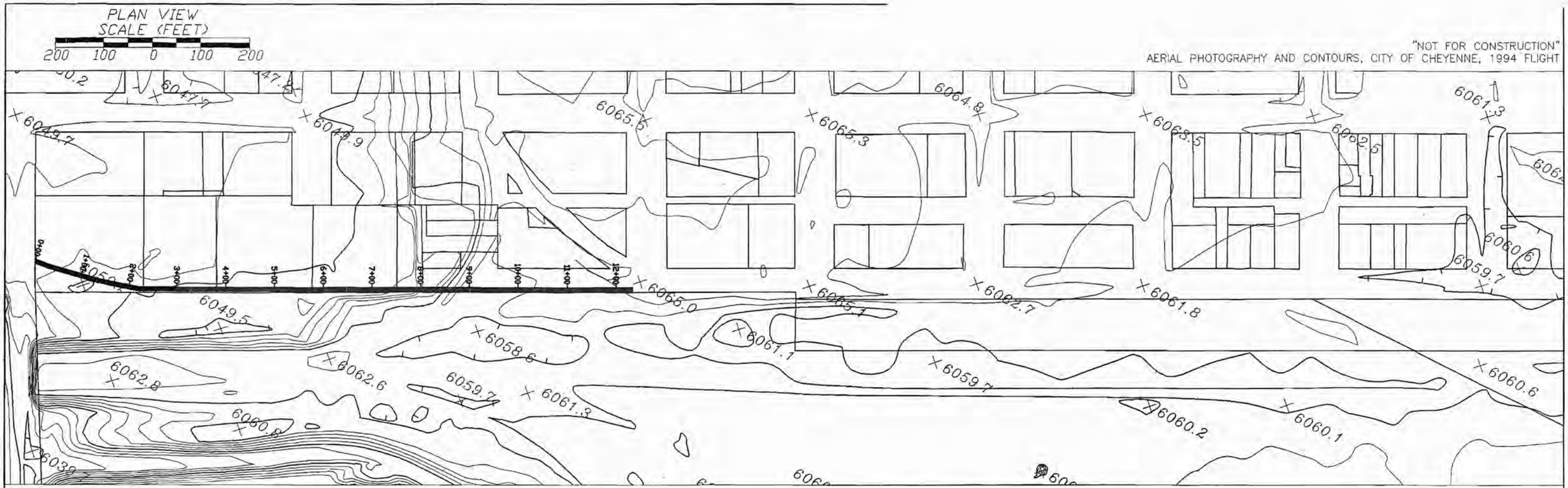
WARNING
IF THIS BAR DOES NOT MEASURE 1/2" THEN DRAWING IS NOT TO SCALE

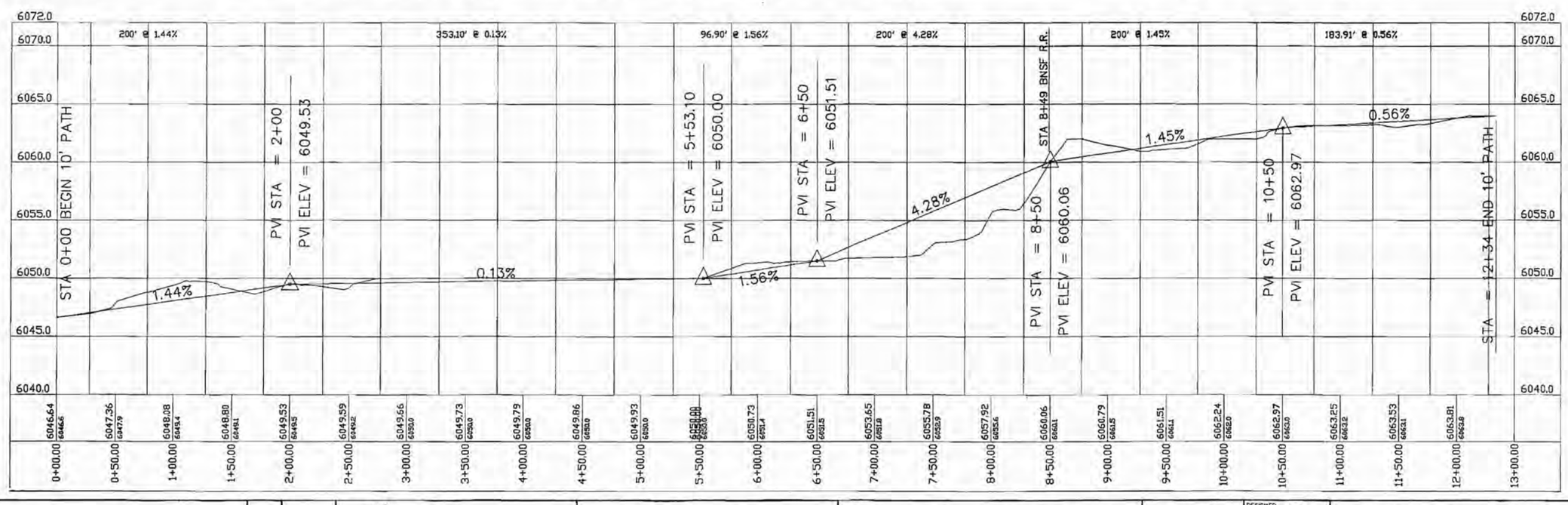
DESIGNED MHC
DRAWN MHC
CHECKED PTT
PEER REVIEWED
PROJECT MANAGER PTT
DATE APRIL 1999

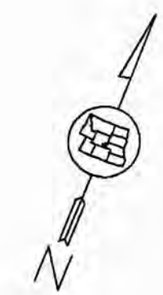
CITY OF CHEYENNE GREENWAY EXTENSIONS

DOWNTOWN CONNECTION
LAND OWNERSHIP

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 4 OF 17







PROFILE SCALE
HORZ. SCALE: 1"=100'
VERT. SCALE = 1" = 10'

REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/06/99

Greater CHEYENNE Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neill Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7848
(307) 634-7851 FAX

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1/2" THEN DRAWING IS NOT TO SCALE

DESIGNED	DPC
DRAWN	DPC
CHECKED	PTT
PEER REVIEWED	
PROJECT MANAGER	PTT
DATE	APRIL 1999

CITY OF CHEYENNE GREENWAY EXTENSIONS

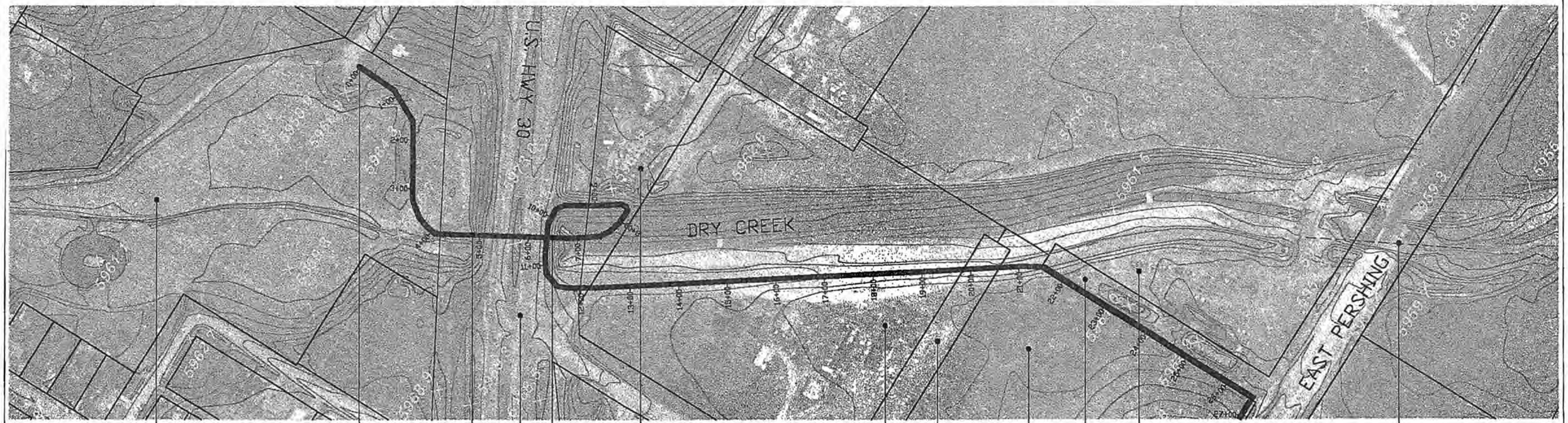
DOWNTOWN CONNECTION PLAN AND PROFILE

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 5 OF 17

FILE NAME: DWNTWN_1 | OPER: DPC | PROJ. # 335 | LOC: CHEYENNE, WYOMING | SEND TO: PAT TYRRELL, P.E.
SCALE: 1" = 200' | DATE: APRIL 1999 | TASK # 001 | PROJ: GREENWAY EXTENSIONS | PHONE: (307) 634-7848

PROPERTY OWNERSHIPS SHOWN HERE ARE AS RECORDED IN THE LARAMIE COUNTY RECORDS AS OF JANUARY, 1999. TITLE RESEARCH AND BOUNDARY SURVEY WORK MAY BE REQUIRED FOR CERTAIN PARCELS. OWNERSHIP IS SUBJECT TO CHANGE AND SHOULD BE VERIFIED PRIOR TO ACQUISITION OR EASMENT NEGOTIATIONS.

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



DRY CREEK PARK
LARAMIE COUNTY

OLSEN, CHRIS R. ET UX
P.O. BOX 6016
CHEYENNE, WY 82003-6016

STA. 6+41 OUTLET OF EXISTING BOX CULVERT STRUCTURE. RETROFIT 10 FT GREENWAY PATH INTO EXISTING EAST 10 FT WIDE X 7 FT TALL BOX CULVERT.

U.S. 30 RIGHT OF WAY
STATE OF WYOMING
DEPARTMENT OF TRANSPORTATION

STA. 4+85 NORTH INLET OF EXISTING BOX CULVERT STRUCTURE. 10 FT GREENWAY PATH TO BE INSTALLED THROUGH EXISTING EAST BOX CULVERT. EXISTING EAST BOX CULVERT IS 7FT TALL, 10 FT WIDE, AND 156 FT LONG. EXISTING STRUCTURE CONSISTS OF 3-7 FT WIDE X 7 FT TALL X 156 FT LONG BOX CULVERTS AND 2-10 FT WIDE X 7 FT TALL X 156 FT LONG BOX CULVERTS.

STA. 0+00 BEGIN SUN VALLEY CONNECTION. TIE INTO EXISTING COUNTY PATH AT LARAMIE STREET.

QUANTITIES HAVE BEEN PROVIDED IN THE COST ESTIMATE FOR A FUTURE GRADE SEPARATED CROSSING AT PERSHING BLVD. AND DRY CREEK.

LOETSCHER, RICHARD T. ET UX
5320 E. PERSHING BLVD.
CHEYENNE, WY 82001

LARAMIE COUNTY
VAN BUREN STREET R.O.W.

CONINE, ROBERT J.
3906 E. PERSHING BLVD.
CHEYENNE, WY 82001

LARAMIE COUNTY
CHEYENNE STREET R.O.W.

STEELE, DENNIS M. ET AL
3409 POLK AVE.
CHEYENNE, WY 82001

SCALE (FEET)
200 100 0 100 200

REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/30/99

East CHEYENNE Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7848
(307) 634-7851 FAX

WARNING
0 1/2
IF THIS BAR DOES NOT MEASURE 1/2" THEN DRAWING IS NOT TO SCALE

DESIGNED MHC
DRAWN MHC
CHECKED PTT
PEER REVIEWED
PROJECT MANAGER PTT
DATE APRIL 1999

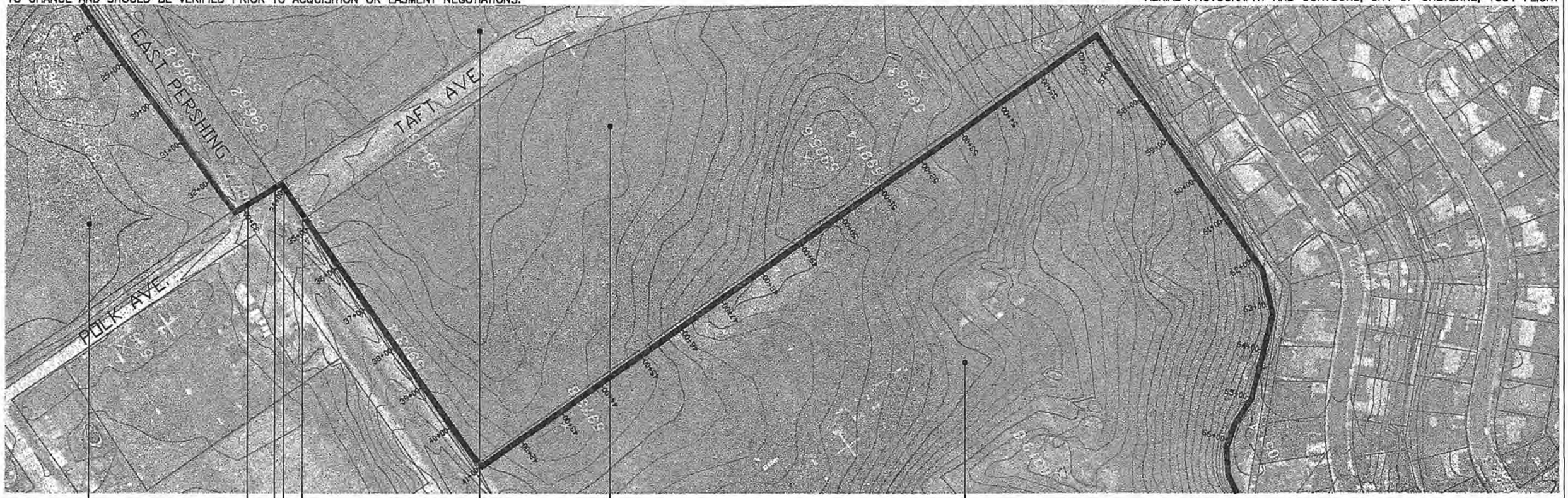
CITY OF CHEYENNE GREENWAY EXTENSIONS

SUN VALLEY CONNECTION
LAND OWNERSHIP

REVISION 1
PROJECT 335.001.115
DRAWING
SHEET 6 OF 17

PROPERTY OWNERSHIPS SHOWN HERE ARE AS RECORDED IN THE LARAMIE COUNTY RECORDS AS OF JANUARY, 1999. TITLE RESEARCH AND BOUNDARY SURVEY WORK MAY BE REQUIRED FOR CERTAIN PARCELS. OWNERSHIP IS SUBJECT TO CHANGE AND SHOULD BE VERIFIED PRIOR TO ACQUISITION OR EASMENT NEGOTIATIONS.

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



PERSHING POINTE LTD. PTNSHIP
7800 E. KEMPER RD.
CINCINNATI, OH 45249

FOSTER LAND COMPANY
P.O. BOX 2388
CHEYENNE, WY 82003-2388

WW CORPORATION
7960 EAST CLOUD
TUCSON, AZ 85715

STA. 34+70 END "AT GRADE" PEDESTRIAN CROSSING ACROSS TAFT AVENUE ON SOUTH SIDE OF PERSHING BLVD. CONTINUE 10 FT WIDE GREENWAY PATH.

STA. 34+05 BEGIN "AT GRADE" PEDESTRIAN CROSSING ACROSS TAFT AVENUE ON SOUTH SIDE OF PERSHING BLVD.

STA. 33+75 END "AT GRADE" PEDESTRIAN CROSSING ACROSS PERSHING BLVD. INSTALL A.D.A. APPROVED PEDESTRIAN ISLAND.

STA. 33+10 BEGIN "AT GRADE" PEDESTRIAN CROSSING ACROSS PERSHING BLVD. ON EAST SIDE OF TAFT AVENUE.

CONINE, ROBERT J.
3906 E. PERSHING BLVD.
CHEYENNE, WY 82001

NOTE: QUANTITIES HAVE BEEN PROVIDED IN THE COST ESTIMATE(S) FOR A FUTURE TRAFFIC SIGNAL SYSTEM SHOULD PEDESTRIAN TRAFFIC WARRANT SIGNALIZATION AT THE PERSHING BLVD. AND TAFT AVENUE INTERSECTION.

N

SCALE (FEET)
200 100 0 100 200

REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/30/99

Cheyenne Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7848
(307) 634-7851 FAX

WARNING
0 1/2
IF THIS BAR DOES NOT MEASURE 1/2" THEN DRAWING IS NOT TO SCALE

DESIGNED	MHC
DRAWN	MHC
CHECKED	PTT
PEER REVIEWED	
PROJECT MANAGER	PTT
DATE	APRIL 1999

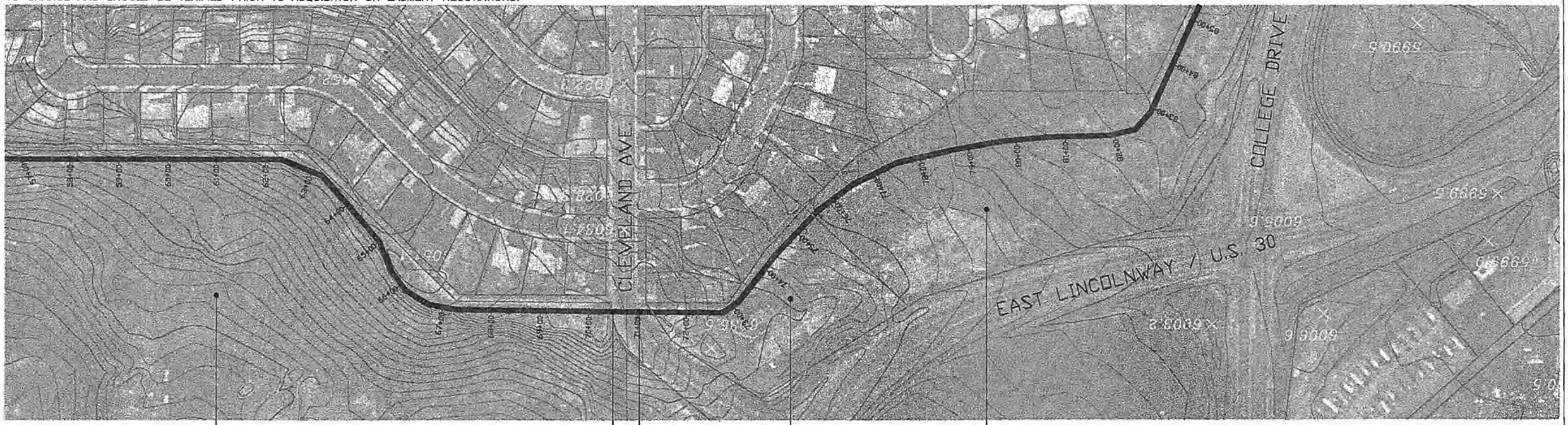
CITY OF CHEYENNE GREENWAY EXTENSIONS

SUN VALLEY CONNECTION
LAND OWNERSHIP

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 7 OF 17

PROPERTY OWNERSHIPS SHOWN HERE ARE AS RECORDED IN THE LARAMIE COUNTY RECORDS AS OF JANUARY, 1999. TITLE RESEARCH AND BOUNDARY SURVEY WORK MAY BE REQUIRED FOR CERTAIN PARCELS. OWNERSHIP IS SUBJECT TO CHANGE AND SHOULD BE VERIFIED PRIOR TO ACQUISITION OR EASMENT NEGOTIATIONS.

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



CITY OF CHEYENNE
DEDICATED TO THE CITY
CHEYENNE, WY 82001

WW CORPORATION
7960 EAST CLOUD
TUCSON, AZ 85715

CITY OF CHEYENNE
(FIRE DEPARTMENT COMPLEX)
DEDICATED TO THE CITY
CHEYENNE, WY 82001

STA. 71+03 CONTINUE 10 FT WIDE GREENWAY PATH ALIGNMENT SOUTH OF CHEYENNE FIRE DEPARTMENT COMPLEX. (FIRE STATION NO. 3)

STA. 70+50 AT GRADE PEDESTRIAN CROSSING ACROSS CLEVELAND AVENUE.

N

SCALE (FEET)
200 100 0 100 200

REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/30/99

Cheyenne Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7848
(307) 634-7851 FAX

WARNING
0 1/2
IF THIS BAR DOES NOT MEASURE 1/2" THEN DRAWING IS NOT TO SCALE

DESIGNED MHC
DRAWN MHC
CHECKED PTT
PEER REVIEWED
PROJECT MANAGER PTT
DATE APRIL 1999

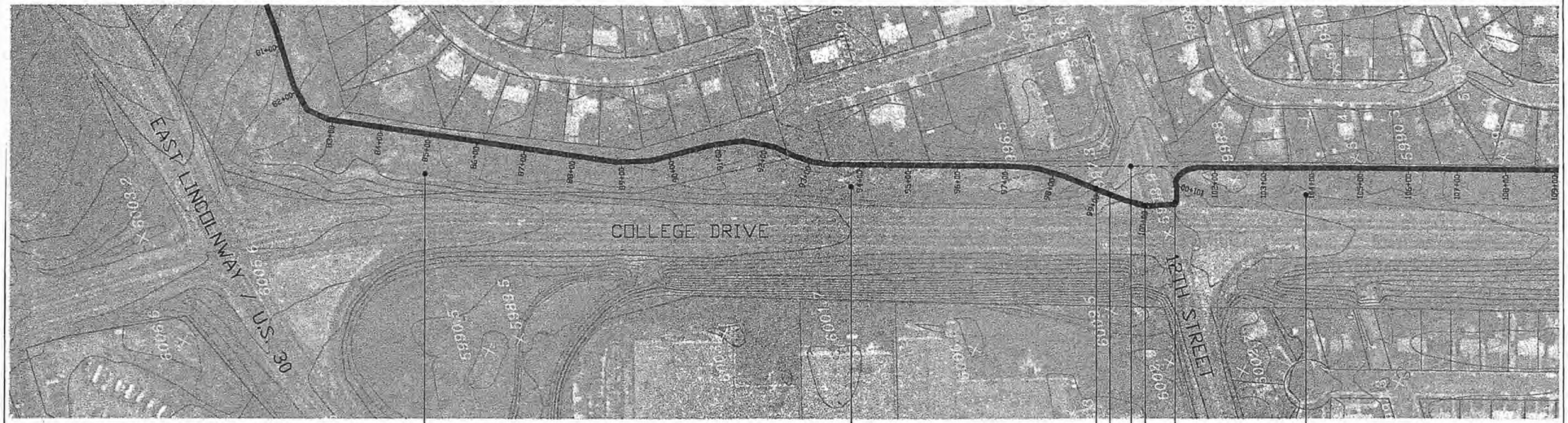
CITY OF CHEYENNE GREENWAY EXTENSIONS

SUN VALLEY CONNECTION
LAND OWNERSHIP

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 8 OF 17

PROPERTY OWNERSHIPS SHOWN HERE ARE AS RECORDED IN THE LARAMIE COUNTY RECORDS AS OF JANUARY, 1999. TITLE RESEARCH AND BOUNDARY SURVEY WORK MAY BE REQUIRED FOR CERTAIN PARCELS. OWNERSHIP IS SUBJECT TO CHANGE AND SHOULD BE VERIFIED PRIOR TO ACQUISITION OR EASMENT NEGOTIATIONS.

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



CITY OF CHEYENNE
DEDICATED TO THE CITY
CHEYENNE, WY 82001

STATE OF WYOMING
COLLEGE DRIVE R.O.W.
DEPARTMENT OF TRANSPORTATION

STATE OF WYOMING
COLLEGE DRIVE R.O.W.
DEPARTMENT OF TRANSPORTATION

QUANTITIES HAVE BEEN PROVIDED IN THE COST ESTIMATE FOR A FUTURE GRADE SEPARATED CROSSING AT 12TH STREET.

STA. 100+63 CONTINUE 10 FT WIDE GREENWAY PATH ALIGNMENT WITHIN COLLEGE DRIVE RIGHT OF WAY, SOUTH OF 12TH STREET.

STA. 100+00 AT GRADE PEDESTRIAN CROSSING ACROSS 12TH STREET.

STA. 99+25 CONTINUE 10 FT WIDE GREENWAY PATH ALIGNMENT THROUGH 12TH STREET RAISED TURNING LANE ISLAND.

STA. 98+95 AT GRADE PEDESTRIAN CROSSING ACROSS 12TH STREET FREE RIGHT TURN LANE.

N

SCALE (FEET)
200 100 0 100 200

REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/30/99

Cheyenne Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
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PEER REVIEWED
PROJECT MANAGER PTT
DATE APRIL 1999

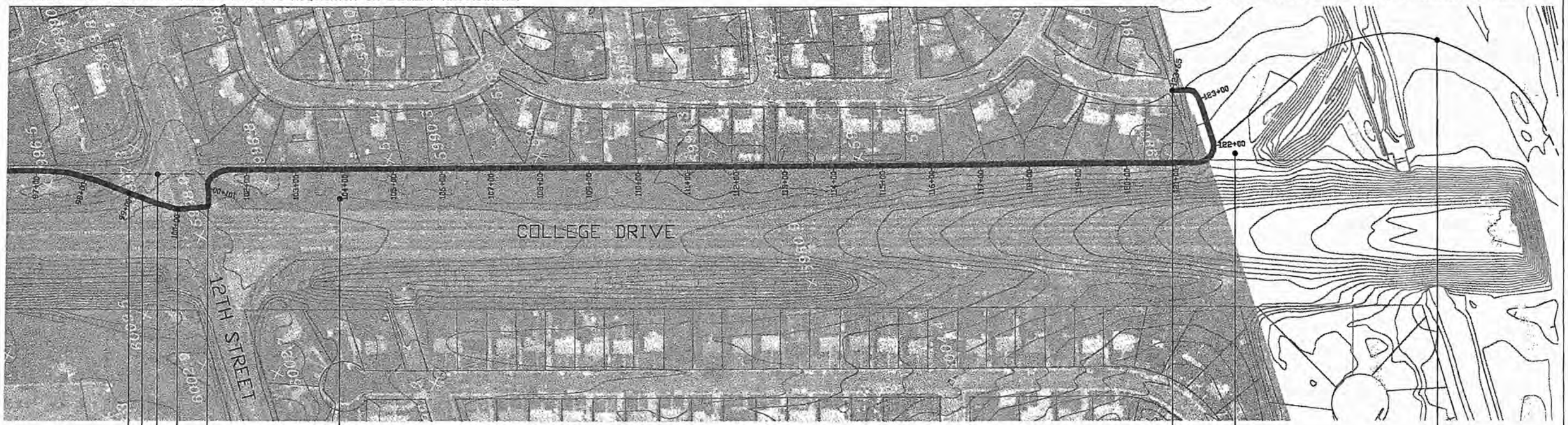
CITY OF CHEYENNE GREENWAY EXTENSIONS

SUN VALLEY CONNECTION
LAND OWNERSHIP

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 9 OF 17

PROPERTY OWNERSHIPS SHOWN HERE ARE AS RECORDED IN THE LARAMIE COUNTY RECORDS AS OF JANUARY, 1999. TITLE RESEARCH AND BOUNDARY SURVEY WORK MAY BE REQUIRED FOR CERTAIN PARCELS. OWNERSHIP IS SUBJECT TO CHANGE AND SHOULD BE VERIFIED PRIOR TO ACQUISITION OR EASMENT NEGOTIATIONS.

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



STATE OF WYOMING
COLLEGE DRIVE R.O.W.
DEPARTMENT OF TRANSPORTATION

STA. 100+63 CONTINUE 10 FT WIDE GREENWAY PATH ALIGNMENT WITHIN COLLEGE DRIVE RIGHT OF WAY, SOUTH OF 12TH STREET.

STA. 100+00 AT GRADE PEDESTRIAN CROSSING ACROSS 12TH STREET.

QUANTITIES HAVE BEEN PROVIDED IN THE COST ESTIMATE FOR A FUTURE GRADE SEPARATED CROSSING AT 12TH STREET.

STA. 99+25 CONTINUE 10 FT WIDE GREENWAY PATH ALIGNMENT THROUGH 12TH STREET RAISED TURNING LANE ISLAND.

STA. 98+95 AT GRADE PEDESTRIAN CROSSING ACROSS 12TH STREET FREE RIGHT TURN LANE.

STA. 123+65 END SUN VALLEY CONNECTION.
TIE 10 FT GREENWAY PATH INTO BALDWIN DRIVE.

STATE OF WYOMING
DRAINAGE DETENTION AREA
DEPARTMENT OF TRANSPORTATION

FUTURE GREENWAY ROUTE EXTENSION.
GREENWAY PATH MAY BE EXTENDED IN THE FUTURE TO INCLUDE THE PRELIMINARY RAILROAD ALIGNMENT AS DESCRIBED IN THE INITIAL GREENWAY DEVELOPMENT PLAN.

N

SCALE (FEET)
200 100 0 100 200

REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/30/99

Cheyenne Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

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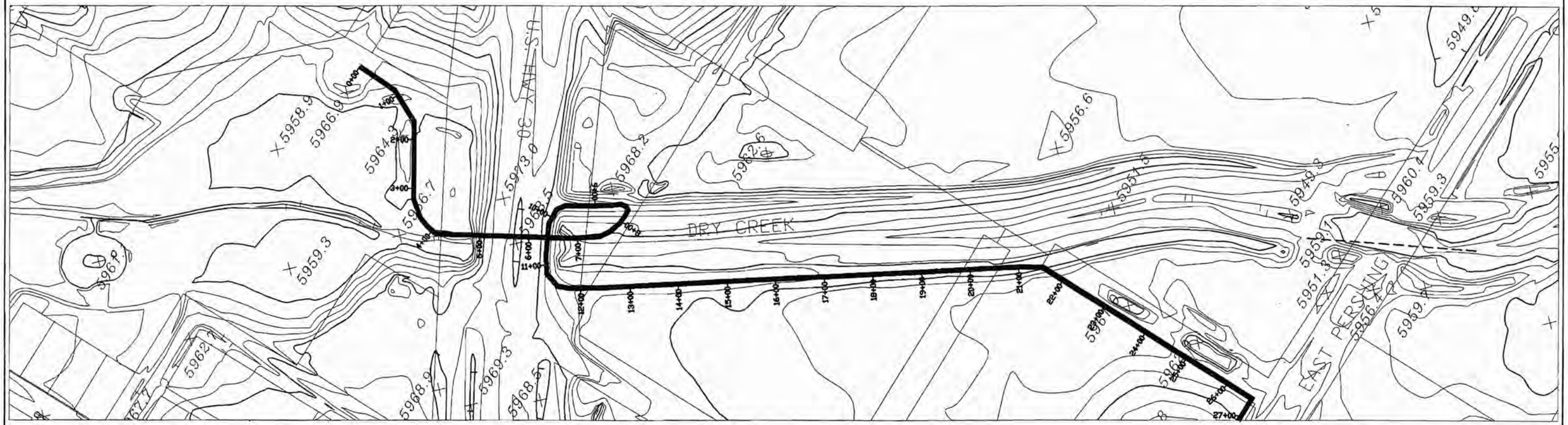
DESIGNED MHC
DRAWN MHC
CHECKED PTT
PEER REVIEWED
PROJECT MANAGER PTT
DATE APRIL 1999

CITY OF CHEYENNE GREENWAY EXTENSIONS

SUN VALLEY CONNECTION
LAND OWNERSHIP

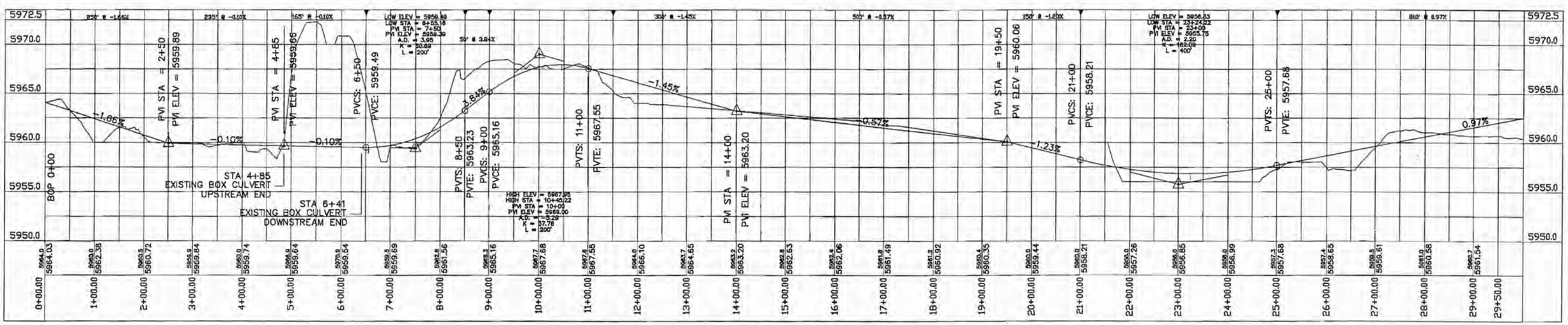
REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 10 OF 17

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



PROFILE VIEW
SCALE (FEET)
HORZ: 1" = 200'
VERT: 1" = 10'

PLAN VIEW
SCALE (FEET)
200 100 0 100 200



REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/30/99

Greater CHEYENNE Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7848
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WARNING
0 1/2
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DESIGNED	MHC/DPC
DRAWN	DPC
CHECKED	PTT
PEER REVIEWED	
PROJECT MANAGER	PTT
DATE	MAY 1999

CITY OF CHEYENNE GREENWAY EXTENSIONS

SUN VALLEY CONNECTION PLAN AND PROFILE

REVISION 1
PROJECT J35.001.115
DRAWING
SHEET 11 OF 17

FILE NAME: SUNVLY4 | TIMEW. # 330 | ISSUED TO: PAT TIMBELL, P.E.
SCALE: 1" = 200' | DATE: APRIL 1999 | TASK # 001 | PROJ: GREENWAY EXTENSIONS | PHONE: (307) 634-7848

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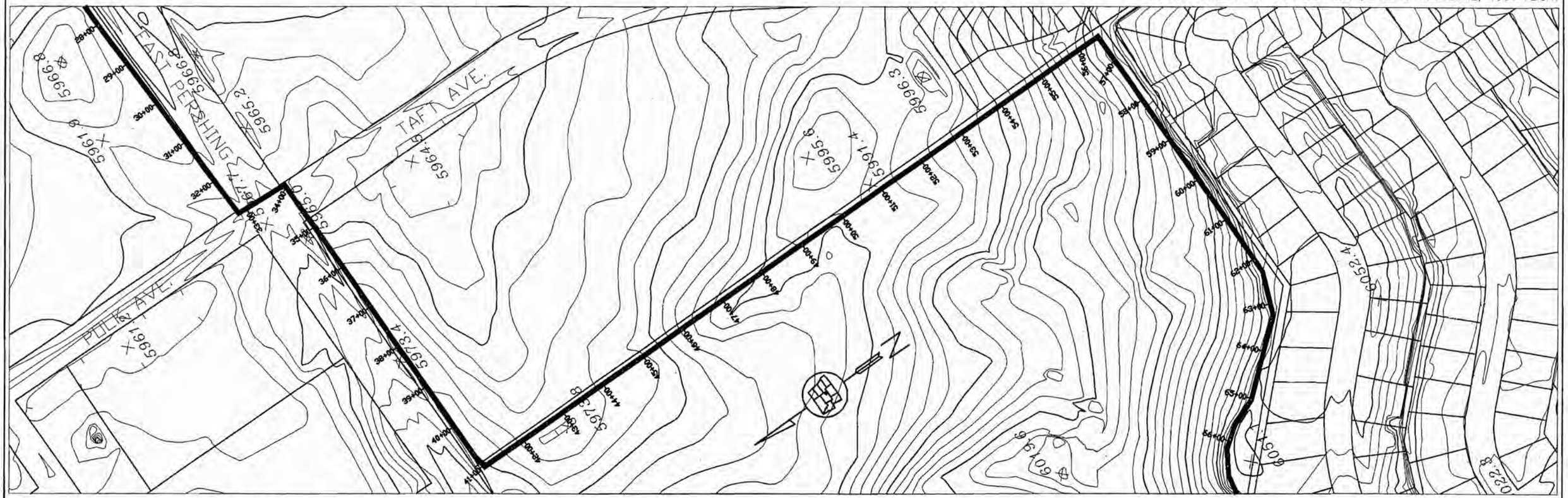
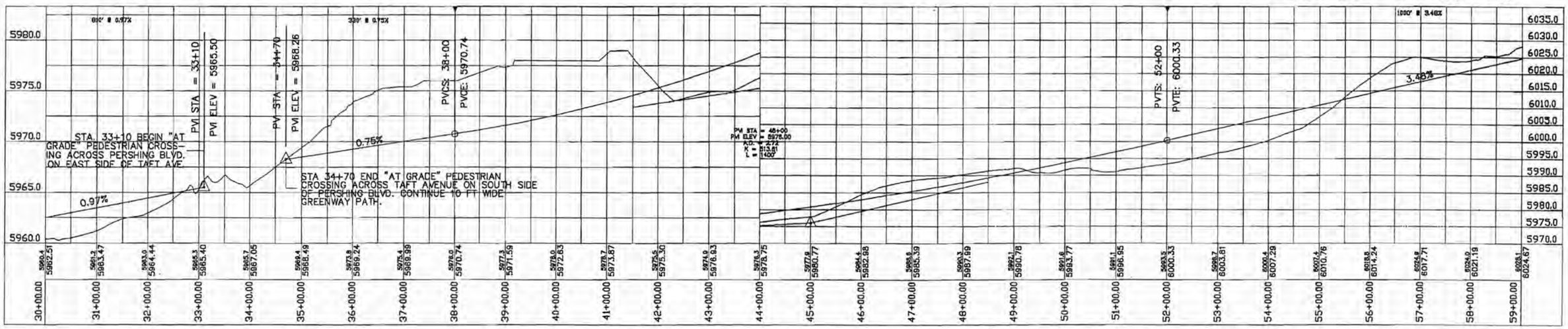
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



PROFILE VIEW
SCALE:
HORZ: 1" = 200'
VERT: 1" = 10' AND 1" = 30'

PLAN
SCALE (FEET)
200 100 0 100 200



REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/30/99

FILE NAME: SUNVALY4 GRFR: MHC PROJ: 335 LOC: CHEYENNE, WYOMING
SCALE: 1" = 20' DATE: APRIL 1999 TASK: 001 PROJ. GREENWAY EXTENSIONS
SEND TO: PAT TYRRELL, P.E. PHONE: (307) 634-7848

Greater CHEYENNE Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
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(307) 634-7848
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WARNING
0 1/2
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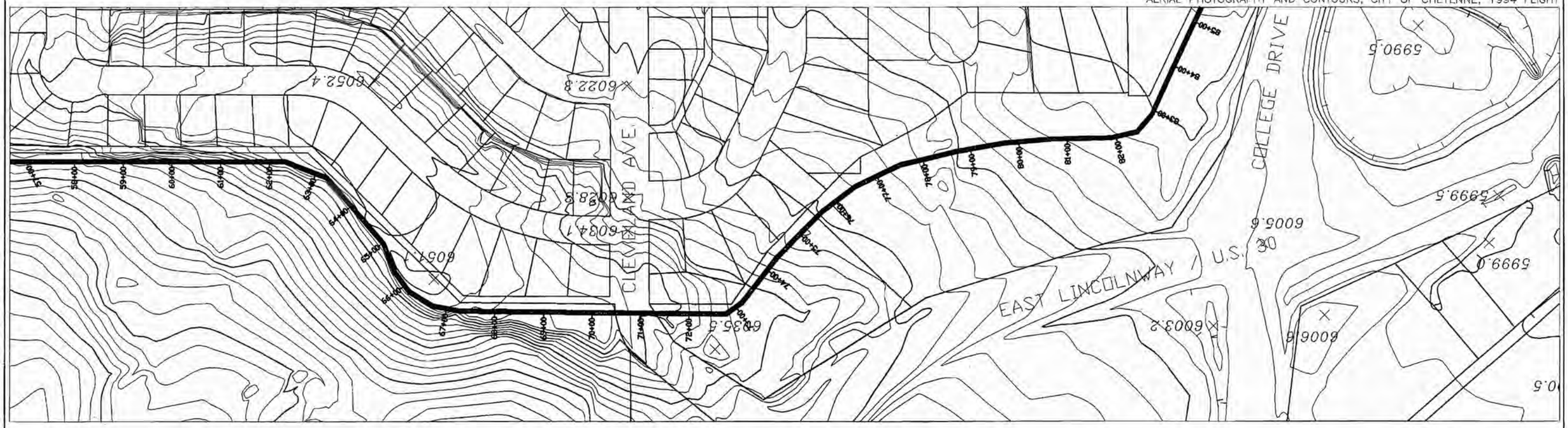
DESIGNED	MHC/DPC
DRAWN	DPC
CHECKED	PTT
PEER REVIEWED	
PROJECT MANAGER	PTT
DATE	APRIL 1999

CITY OF CHEYENNE GREENWAY EXTENSIONS

SUN VALLEY CONNECTION PLAN AND PROFILE

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 12 OF 17

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



PLAN VIEW
SCALE (FEET)
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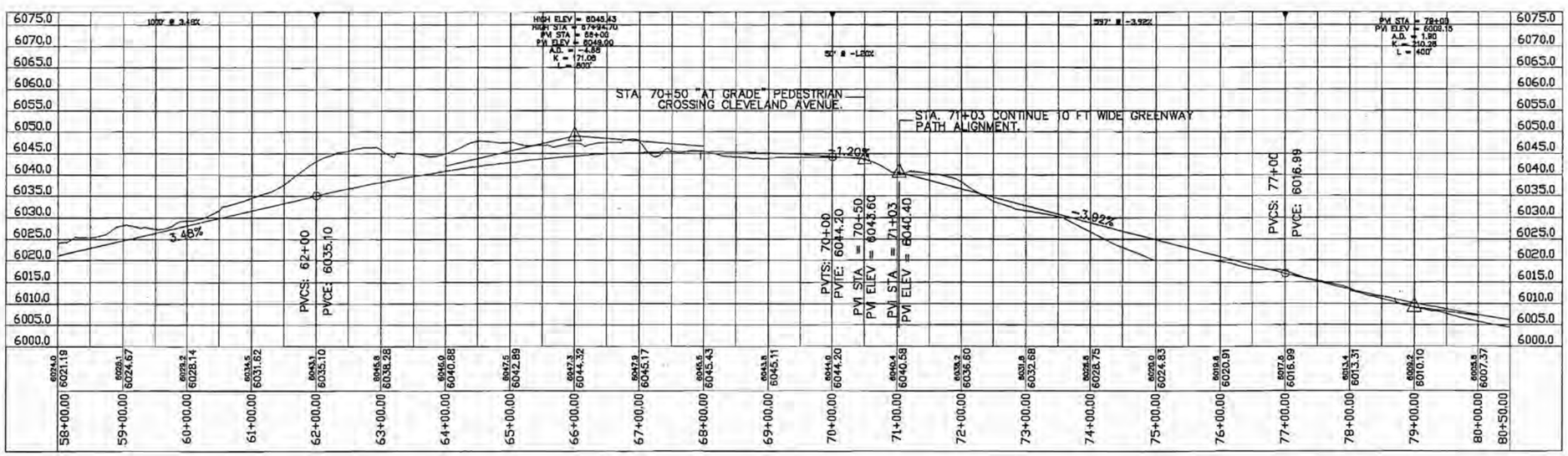

PROFILE VIEW
SCALE:
HORZ: 1" = 200'
VERT: 1" = 30'

REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/30/99

greater CHEYENNE greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7848
(307) 634-7851 FAX

WARNING
0 1/2
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DESIGNED	MHC/DPC
DRAWN	DPC
CHECKED	PTT
PEER REVIEWED	
PROJECT MANAGER	PTT
DATE	MAY 1999

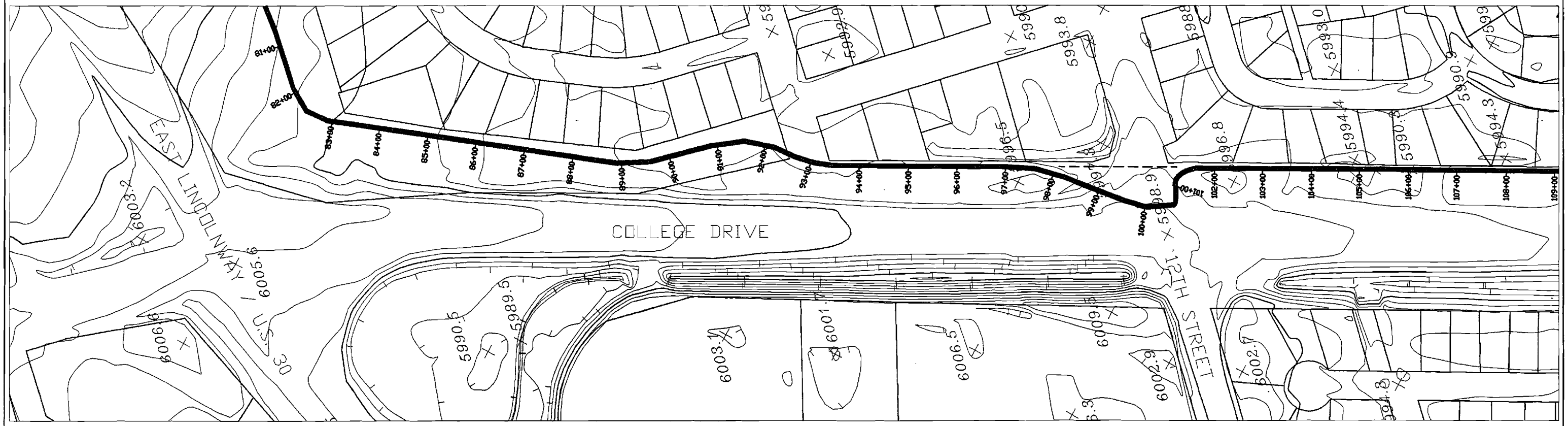
CITY OF CHEYENNE GREENWAY EXTENSIONS

SUN VALLEY CONNECTION
PLAN AND PROFILE

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 13 OF 17

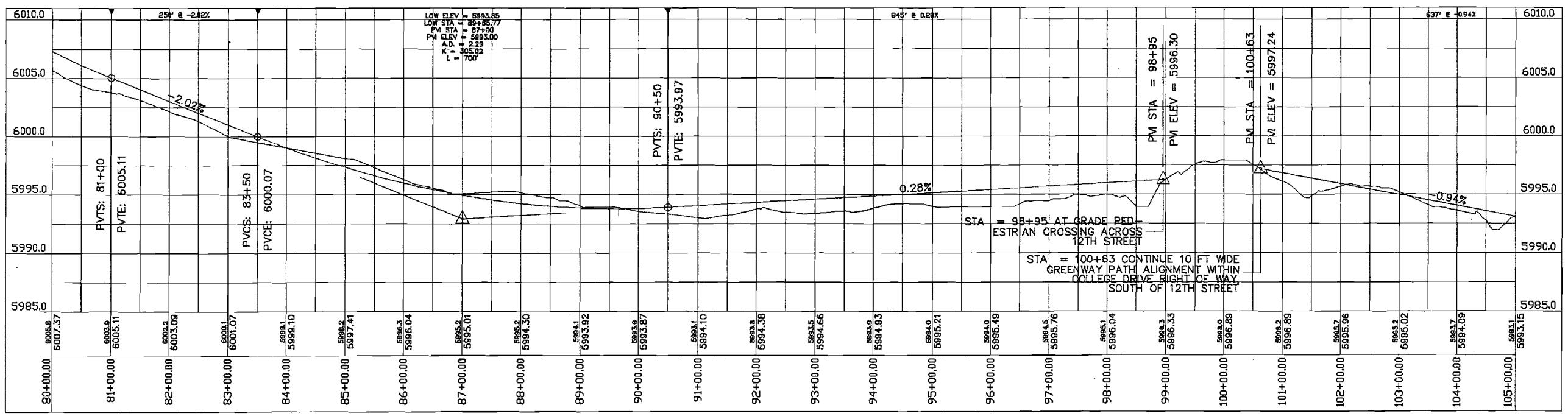
TITLE NAME: SUNVALY4 | DRFR: MHC | PROJ. # 335 | LOC: CHEYENNE WYOMING | SEND TO: PAT TYRRELL, P.E.
SCALE: 1" = 200' | DATE: APRIL 1999 | TASK # 001 | PROJ. GREENWAY EXTENSIONS | PHONE (307) 634-7848

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



PLAN VIEW
SCALE (FEET)
HORZ: 1" = 200'
VERT: 1" = 10'

PLAN VIEW
SCALE (FEET)
200 100 0 100 200



REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/30/99

greater CHEYENNE Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7848
(307) 634-7851 FAX

WARNING
0 1/2
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DESIGNED	MHC/DPC
DRAWN	DPC
CHECKED	PTT
PEER REVIEWED	
PROJECT MANAGER	PTT
DATE	MAY 1999

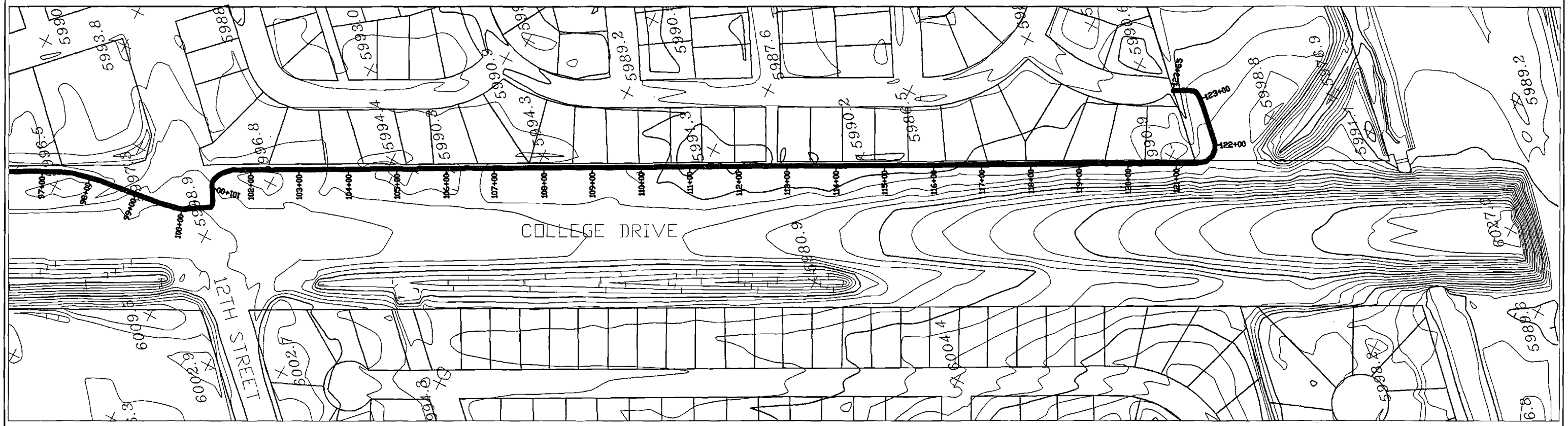
CITY OF CHEYENNE GREENWAY EXTENSIONS

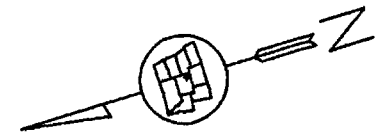
SUN VALLEY CONNECTION
PLAN AND PROFILE

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 14 OF 17

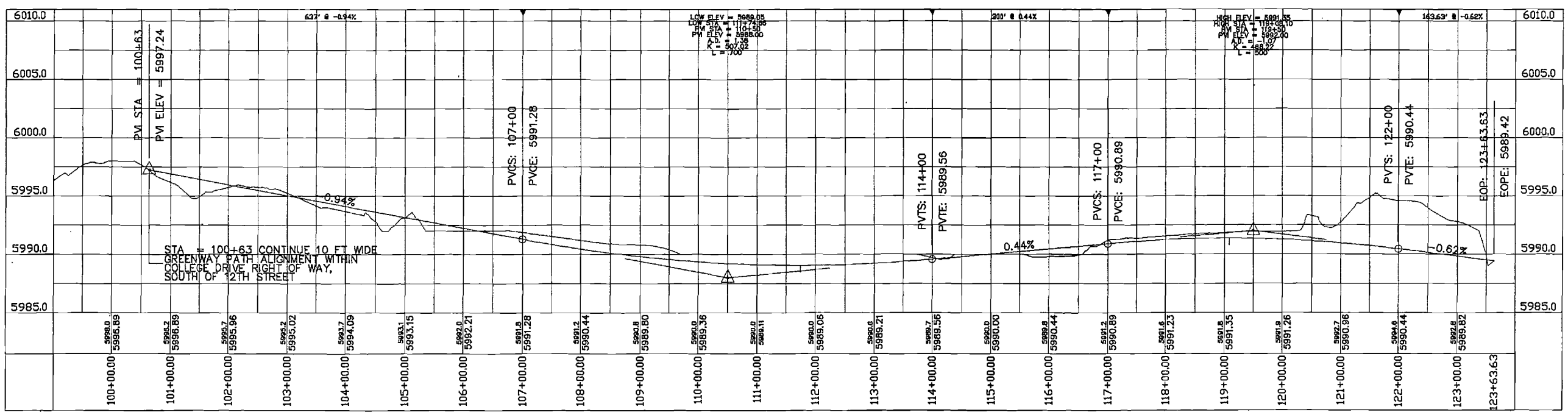
FILE NAME: SUN14.14 | OPER: MHC | FINAL # 335 | LOC: CHEYENNE, WYOMING | SEND TO: PAT TYRRELL, P.E.
SCALE: 1" = 200' | DATE: APRIL 1999 | TASK # 001 | PROJ: GREENWAY EXTENSIONS | PHONE: (307) 634-7848

"NOT FOR CONSTRUCTION"
AERIAL PHOTOGRAPHY AND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT





PLAN VIEW
SCALE (FEET)
200 100 0 100 200



PROFILE VIEW
SCALE:
HORZ: 1" = 200'
VERT: 1" = 10'

REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/30/99

Greater CHEYENNE Greenway

CATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
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(307) 634-7848
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WARNING
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DESIGNED	MHC/DPC
DRAWN	DPC
CHECKED	PTT
PEER REVIEWED	
PROJECT MANAGER	PTT
DATE	MAY 1999

CITY OF CHEYENNE GREENWAY EXTENSIONS

SUN VALLEY CONNECTION
PLAN AND PROFILE

REVISION 1
PROJECT 335.001.110
DRAWING
SHEET 15 OF 17

FILE NAME: SUNVALY4 | OPER. MHC | PROJ. # 335 | LOC. CHEYENNE, WYOMING | SEND TO: PAT TYRRELL, P.E.
SCALE: 1" = 200' | DATE: APRIL 1999 | TASK # 001 | PROJ. GREENWAY EXTENSIONS | PHONE (307) 634-7848

[redacted]

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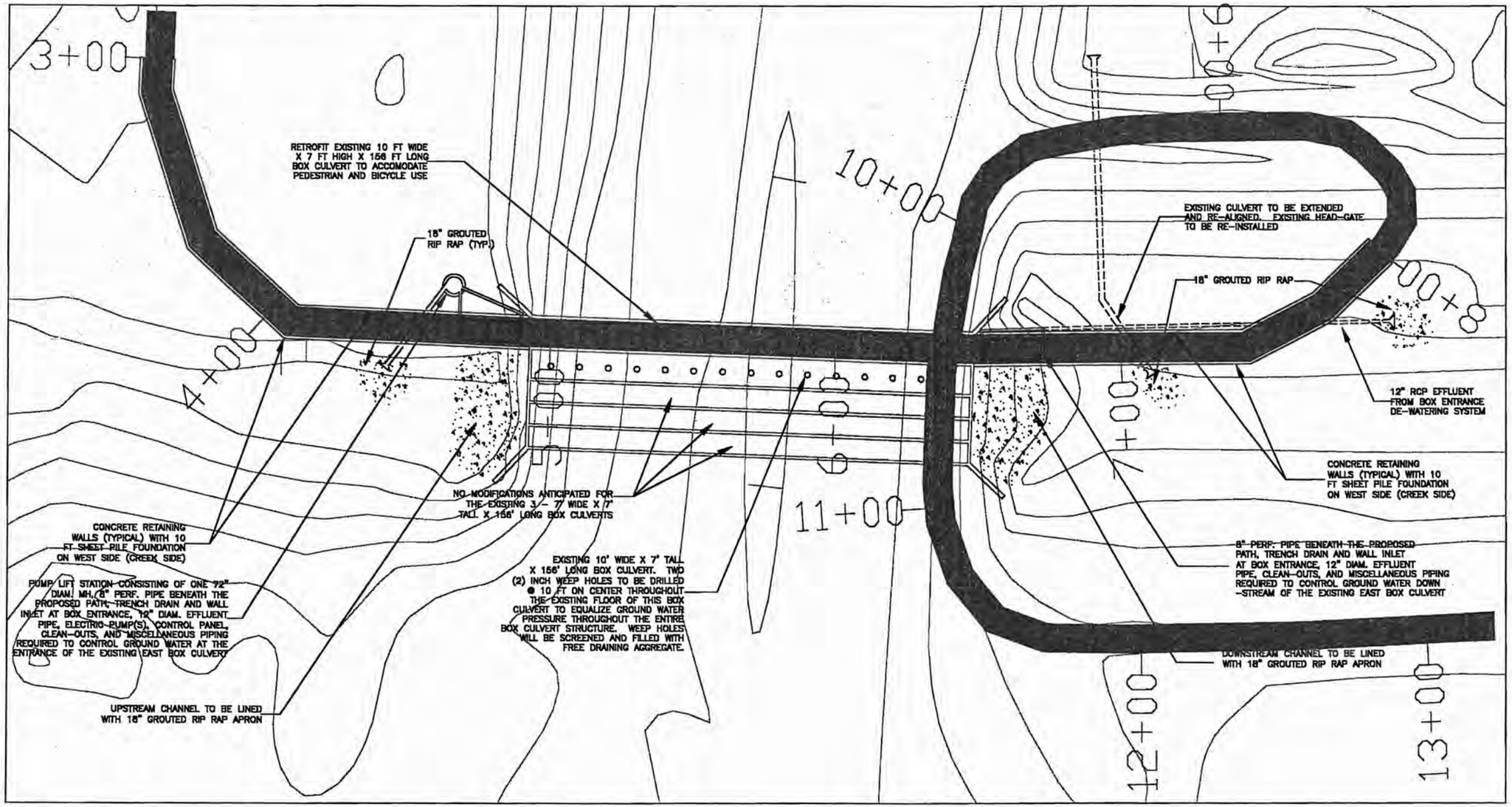
GROUND CONTOURS, CITY OF CHEYENNE, 1994 FLIGHT



NOTE: REFERENCE SHEET 17 OF 17 FOR BOX CULVERT REHABILITATION DETAILS.

SCALE (FEET)
40 20 0 20 40

REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/06/99

Cheyenne Greenway

BATPP
Cheyenne Area Transportation Planning Process
2101 O'Neil Avenue Cheyenne, WY 82001

STATES WEST WATER RESOURCES CORPORATION
1904 EAST 15TH STREET
CHEYENNE, WYOMING 82001
(307) 634-7648
(307) 634-7651 FAX

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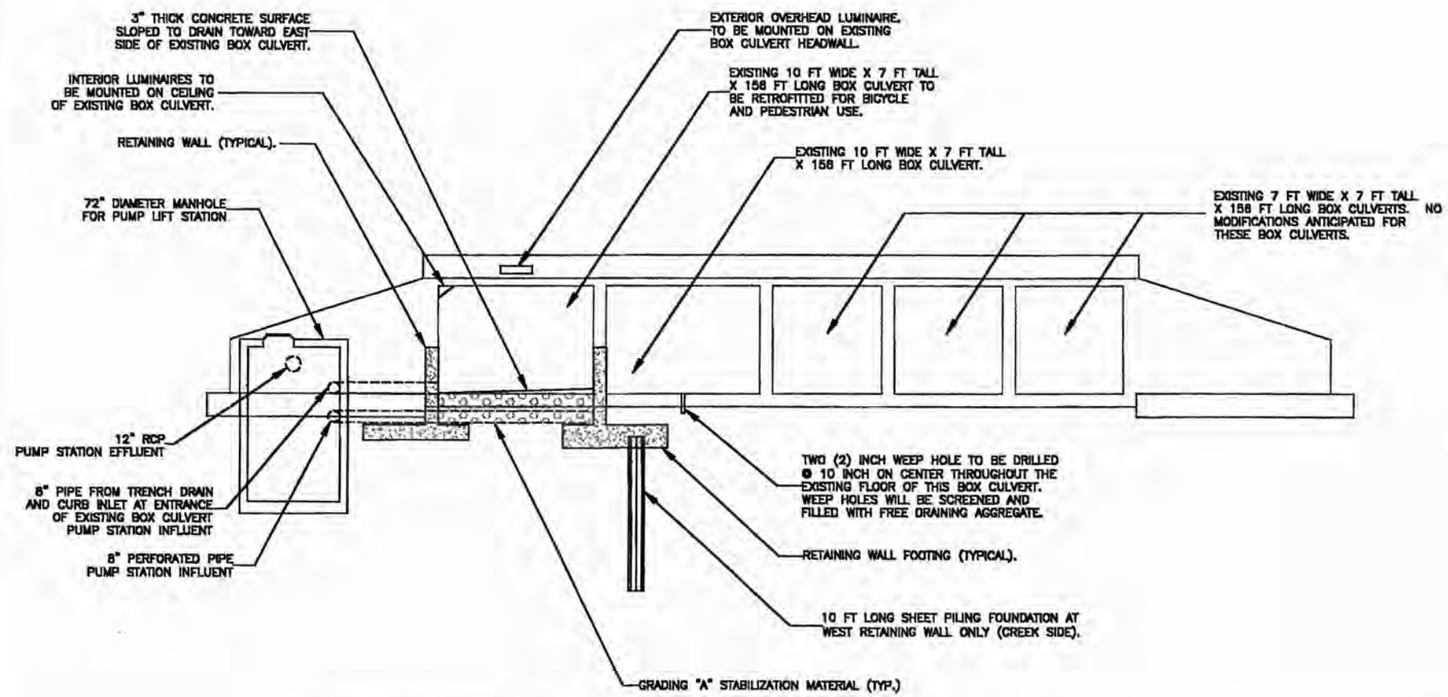
DESIGNED MHC
DRAWN MHC
CHECKED PTT
PEER REVIEWED
PROJECT MANAGER PTT
DATE APRIL 1999

CITY OF CHEYENNE GREENWAY EXTENSIONS

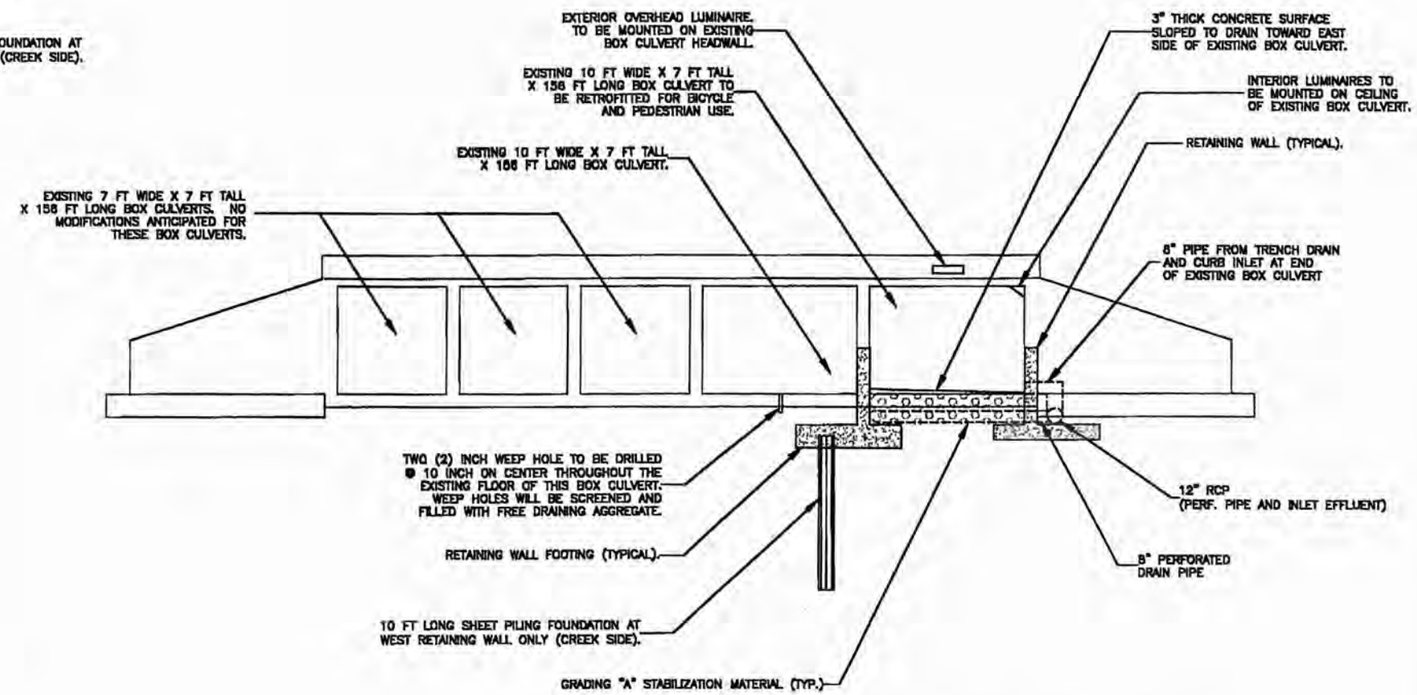
U.S. 30 AND DRY CREEK
BOX CULVERT REHABILITATION

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 16 OF 17

"NOT FOR CONSTRUCTION"



UPSTREAM FACE



SCALE (FEET)

10 5 0 5 10

BOX CULVERT REHABILITATION DETAILS

DOWNSTREAM FACE

REV	DESCRIPTION OF REVISION	BY	DATE
1	35% SUBMITTAL	MHC	04/06/99

CHEYENNE Greenway

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CITY OF CHEYENNE GREENWAY EXTENSIONS

U.S. 30 AND DRY CREEK BOX CULVERT REHABILITATION

REVISION 1
PROJECT 335.001.116
DRAWING
SHEET 17 OF 17