



Montana Department of Transportation

Jim Lynch, Director

2701 Prospect Avenue
PO Box 201001
Helena MT 59620-1001

Brian Schweitzer, Governor

July 14, 2006

Todd Everts, Environmental Analyst
Environmental Quality Council
Legislative Environmental Policy Office
P.O. Box 201704
Helena MT 59620-1704

Subject: Categorical Exclusion
TARA COURT IMPROVEMENTS - HELENA
SFCU 5809(26)
CN 4715001

Dear Todd Everts:

The Environmental Services Bureau of the Montana Department of Transportation has evaluated the subject project for potential environmental impacts and concluded that the project qualifies as a Categorical Exclusion under state and federal rules (i.e., ARM 18.2.261 and 23CFR 771.117(d)).

This roadway and roadside safety improvement project will be conducted on North Montana between route posts approximately 1.237 and 1.322. This intersection is an area where we recently installed a traffic signal, modified access, and installed signing and pavement markings under Project STPHS 5809(16), 2000 - N MONTANA AVE INT IMP - HELENA. Subsequent to that project, MDT identified additional work required in the area. The work includes moving a drop inlet to avoid a pedestrian safety issue and widening the south-bound lanes by moving the curb two to three feet from the centerline and repaving. The Emergency Safety Project will be completed using Sate Funds.

Attached are a categorical exclusion checklist and a copy of the preliminary pans for the project. If you have any questions or concerns, please contact Heidy Bruner at 444-7203. She will be pleased to assist you.

Sincerely,

Thomas L. Hansen
Engineering Section Supervisor
Environmental Services Bureau

RECEIVED

JUL 19 2006

LEGISLATIVE ENVIRONMENTAL
POLICY OFFICE

- cc: Kent Barnes, PE MDT Bridge Engineer
Paul Ferry, PE MDT Highway Engineer
Tom Hansen, PE MDT Environmental Services Bureau Engineering Section Supervisor
John H. Horton MDT Right-of-Way Bureau Chief
David W. Jensen MDT Fiscal Programming Section Supervisor
Mick Johnson MDT Great Falls District Administrator
Suzy Price MDT Contract Plans Bureau Chief
Jean Riley, PE MDT Environmental Services Bureau Chief
Heidy Bruner MDT Environmental Services
FILE MDT Environmental Services
Lewis and Clark County

encl.

TLH:hsb:S:\PROJECTS\GREAT-FALLS\4715\4715001\4715ENEQCCEDCVR.DOC



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Jim Lynch, Director
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Subject: Programmatic Categorical Exclusion (PCE)
 TARA COURT IMPROVEMENTS - HELENA
 SFCU 5809(26)
 CN 4715001

Dear Todd Everts:

This submittal is to notify you that the subject proposed project qualifies as a Categorical Exclusion under the provisions of Administrative Rules of Montana (ARM) 18.2.261, which is codified at Montana Code Annotated (MCA) 75-1-103 and MCA 75-1-201.

The following form provides documentation required to demonstrate that all of the conditions are satisfied to categorically exclude the proposed project from conducting an Environmental Assessment (EA) or Environmental Impact Statement (EIS) under the Montana Environmental Policy Act, Title 75 Chapter 1 MCA. Copies of the Preliminary Project Plans are attached. In the following form, "N/A" indicates not applicable; "UNK" indicates unknown.

NOTE: A response in a large box will require additional documentation for a Categorical Exclusion request in accordance with 23 CFR 771.117(d).

	<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>UNK</u>
1. An EA or EIS is not required for this proposed project as determined under ARM 18.2.237(5).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. This proposed project would have (a) significant environmental impact(s) as defined under ARM 18.2.238 and ARM 18.2.237(5).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. This proposed project involves one (or more) of the following situations where				
A. Right-of-way, easements and/or construction permits would be required.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. The context or degree of the right-of-way action would have (a) substantial social, economic, or environmental effect(s).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. A high rate of residential growth exists in the area of the proposed project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. A high rate of commercial growth exists in the area of the proposed project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Work would be on and/or within approximately 1.6 kilometers (1± mile) of an Indian Reservation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>UNK</u>
5. Parks, recreational, or other properties acquired/improved under Section 6(f) of the 1965 National Land & Water Conservation Fund Act (16 USC 460L, <i>et seq.</i>) are on or adjacent to the proposed project area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The use of such Section 6(f) sites would be documented and compensated with the appropriate agencies (e.g., MDFWP, local entities, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Sites either on, or eligible for the National Register of Historic Places with concurrence in determination of eligibility or effect under Section 106 of the National Historic Preservation Act (16 USC 470, <i>et seq.</i>) by the State Historic Preservation Office (SHPO) would be affected by this proposed project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Publicly owned parklands, recreation areas, wildlife or waterfowl refuges, and/or significant historic sites that might be considered under ARM 18.2.261(2)(a) are on or adjacent to the project area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. Nationwide Programmatic Section 4(f) Evaluation forms for those sites are attached.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. This proposed project requires a full Section 4(f) Evaluation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. The activity would involve work in a streambed, wetland, and/or other water body (ies) considered as "waters of the United States" or similar (e.g., "state waters").	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. Conditions set forth in Section 10 of the Rivers and Harbors Act (33 USC 403) and/or Section 404 of the Clean Water Act (33 USC 1251-1376) codified at 33 CFR 320-330 would be met.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Impacts in wetlands, including but not limited to those referenced under Executive Order (EO) #11990, and proposed mitigation would be coordinated with the Montana Inter-Agency Wetland Group.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. A 124SPA Stream Protection permit would be obtained from the MDFWP.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. A delineated floodplain exists in the proposed project area under FEMA's Floodplain Management criteria.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The water surface at the 100-year flood limit elevation would exceed floodplain management criteria due to an encroachment by the proposed project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. A Tribal Water Permit would be required.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Work would be required in, across, and/or adjacent to a river that is a component of, or proposed for inclusion in Montana's Wild and/or Scenic Rivers system as published by the US Department of Agriculture, or the US Department of the Interior.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>UNK</u>
The designated National Wild and/or Scenic River systems in Montana are:				
a. Middle Fork of the Flathead River (headwaters to South Fork confluence).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. North Fork of the Flathead River (Canadian Border to Middle Fork confluence).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. South Fork of the Flathead River (headwaters to Hungry Horse Reservoir).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Missouri River (Fort Benton to Charles M. Russell National Wildlife Refuge).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In accordance with Section 7 of the Wild and Scenic Rivers Act (16 USC 1271 – 1287), this work would be coordinated and documented with either the Flathead National Forest (Flathead River), or US Bureau of Land Management (Missouri River).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C. This is a "Type I" action as defined under 23 CFR 772.5(h), which typically consists of highway construction on a new location or the physical alteration of an existing route which substantially changes its horizontal or vertical alignments or increases the number of through-traffic lanes.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. If yes, are there potential noise impacts?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. A Noise Analysis would be completed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. There would be compliance with the provisions of both 23 CFR 772 for FHWA's Noise Impact analyses and MDT's Noise Policy.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Substantial changes in access control would be associated with the proposed project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, would they result in extensive economic and/or social impacts on the affected locations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
E. The use of a temporary road, detour, or ramp closure having the following conditions when the action(s) associated with such facilities:				
1. Provisions would be made for access by local traffic, and be posted for same.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Adverse effects to through-traffic dependant businesses would be avoided or minimized.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Interference to local events would be minimized to all possible extent.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Substantial controversy associated with this pending action would be avoided.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Hazardous wastes /substances, as defined by the US Environmental Protection Agency (EPA) and/or the Montana Department of Environmental Quality (MDEQ), and/or (a) listed "Superfund" (under CERCLA or CECRA) site(s) are currently on and/or adjacent to this proposed project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>UNK</u>
All reasonable measures would be taken to avoid and/or minimize substantial impacts from same.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
G. The Stormwater Discharge conditions (ARM 17.30.1101-1117), including temporary erosion control features for construction would be met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. Permanent desirable vegetation with an approved seeding mixture would be established on exposed areas.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. Documentation of an invasive species review to comply with both EO #13112 and the County Noxious Weed Control Act (7-22-2152, MCA), including directions as specified by the county(ies) wherein its intended work would be done would be conducted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. There are "Prime" or "Prime if Irrigated" Farmlands designated by the Natural Resources Conservation Service on or adjacent to the proposed project area. If the proposed work would affect Important Farmlands, then an AD 1006 Farmland Conversion Impact Rating form would be completed in accordance with the Farmland Protection Policy Act (7 USC 4201, <i>et seq.</i>).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
K. Features for the Americans with Disabilities Act (PL 101 336) compliance would be included.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
L. A written Public Involvement Plan would be completed in accordance with MDT's Public Involvement Handbook.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. This proposed project complies with Clean Air Act Section 176(c) (42 USC 7521(a), as amended) under the provisions of 40 CFR 81.327 as it is either in a Montana air quality:				
A. "Unclassifiable"/attainment area. This proposed project is not covered under the EPA's September 15, 1997 Final Rule on air quality conformity. and/or	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. "Nonattainment" area. However, this type of proposed project is either exempted from the conformity determination requirements (under EPA's September 15, 1997 Final Rule), or a conformity determination would be documented in coordination with the responsible agencies (Metropolitan Planning Organizations, MDEQ Air Quality Division, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C. Is this proposed project in a "Class I Air Shed" under 40 CFR 52.1382(c)(3)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Federally listed Threatened or Endangered (T/E) Species:				
A. Recorded occurrences, and/or critical habitat are in the vicinity of the proposed project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Would this proposed project result in a "jeopardy" opinion (under 50 CFR 402) from the Fish and Wildlife Service on any Federally listed T/E Species?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The proposed project would not induce significant land use changes, nor promote unplanned growth. No significant effects on access to adjacent property or to present traffic patterns would occur.

This proposed project would not create disproportionately high and/or adverse impacts on the health or environment of minority and/or low-income populations (EO #12898). The project also complies with the provisions of Title VI of the Civil Rights Act of 1964 (42 USC 2000d) under FHWA regulations (23 CFR 200).

In accordance with the provisions of 23 CFR 771.117(a), this pending action would not cause significant individual, secondary, or cumulative environmental impacts. FHWA concurrence that this proposed project is properly classified as a Categorical Exclusion is requested.



Heidy Bruner
MDT Environmental Services
Area Engineer

Date: July 14, 2006



Concur Thomas L. Hansen, P.E.
MDT Environmental Services
Engineering Section Supervisor

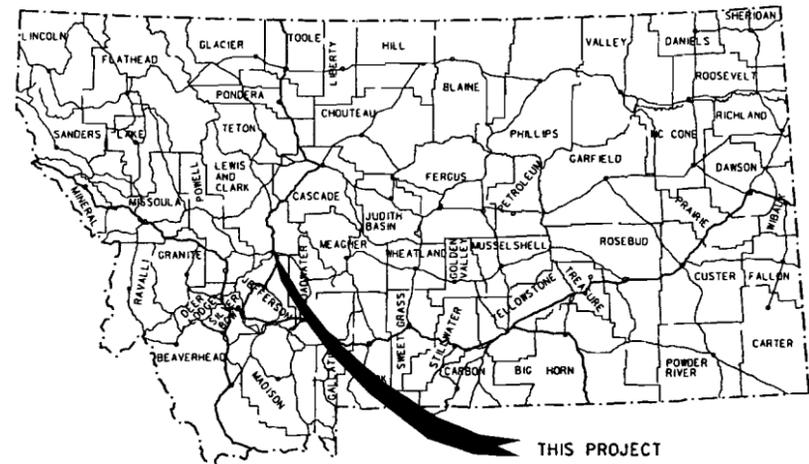
Date: 7/14/06

Attachments

cc: Kent Barnes, PE MDT Bridge Engineer
Paul Ferry, PE MDT Highway Engineer
___Tom Hansen, PE MDT Environmental Services Bureau Engineering Section Supervisor
John H. Horton MDT Right-of-Way Bureau Chief
David W. Jensen MDT Fiscal Programming Section Supervisor
Mick Johnson MDT Great Falls District Administrator
Suzy Price MDT Contract Plans Bureau Chief
___Jean Riley, PE MDT Environmental Services Bureau Chief
Heidy Bruner MDT Environmental Services
FILE MDT Environmental Services
Lewis and Clark County

MDT attempts to provide accommodation for any known disability that may interfere with a person participating in any service, program or activity of the Department. Alternative accessible formats of this information will be provided upon request. For further information, call 406.444.7228 or TTY (800.335.7592) or call Montana Relay at 711.

MONTANA DEPARTMENT OF TRANSPORTATION
MONTANA CAD



MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT SFCU 5809(26)

INTERSECTION IMPROVEMENT TARA COURT IMPROVEMENTS-HELENA LEWIS & CLARK COUNTY

DESIGN DATA	
A.D.T. =	NA
A.D.T. =	NA
D.H.V. =	NA
T. =	NA
V. =	NA
80 KN ESAL'S =	NA
GROWTH RATE =	NA

LETTING DATE - _____

LENGTH NA kilometers

SCALES

VERTICAL: 1 : NA
HORIZONTAL: 1 : 250

CROSS SECTION - HORIZONTAL & VERTICAL: 1 : NA

REDUCED PRINTS ONE-HALF ORIGINAL SCALE
ALL SCALES ARE APPROXIMATE

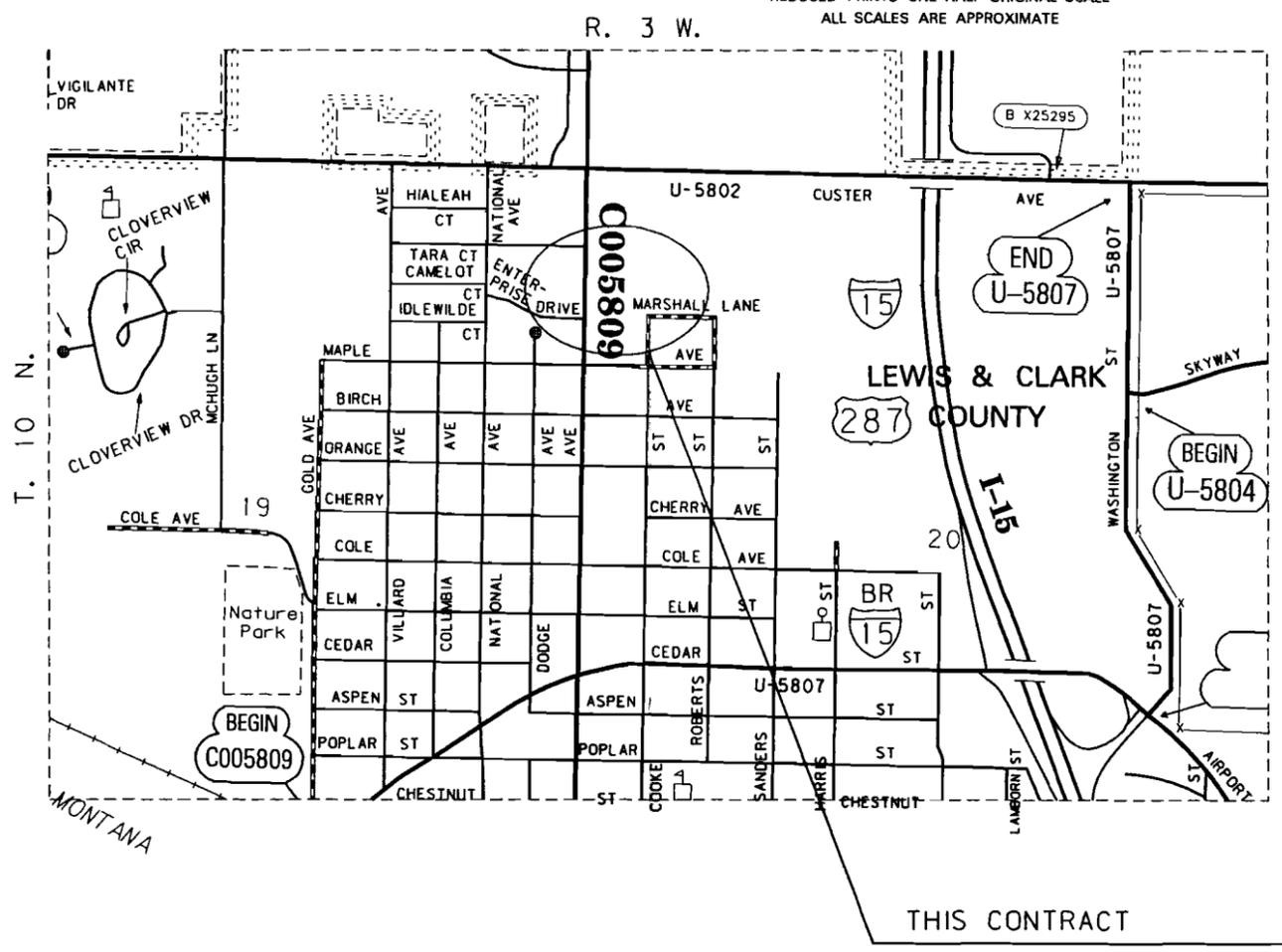
SURFACING SOURCES -
CONTRACTOR FURNISHED

6:1 gdm 47.15:dm1002. dgm DESIGNED BY JSD
 7/7/2006 REVIEWED BY JSD
 7:18:32 PM CHECKED BY JJA
 3 CPS - U2313
 2

RELATED PROJECTS	
NA	

ASSOCIATED PROJECT AGREEMENT NUMBERS	
R/W & I.C.	NA
P.E.	STPHS 5809(16)

CONTROL NO. 4715



MONTANA DEPARTMENT OF TRANSPORTATION	
APPROVED : _____ 20____	
BY _____ HIGHWAYS ENGINEER	
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED : _____	DATE _____
DIVISION ADMINISTRATOR	

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NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

COMP. AGGREGATE WEIGHT = 2200 kilograms per cubic meter
 COMP. WEIGHT OF PL. MIX BIT. SURF. = 2287 kilograms per cubic meter
 SEAL = 1.80 liters per square meter
 BITUMINOUS MATERIAL = 1.02 kilograms per liter
 COVER = 14.0 kilograms per square meter

UNDERGROUND UTILITIES

CONTACT ALL UTILITY COMPANIES FOR CONFIRMATION OF ALL LINES AND SERVICES BEFORE EXCAVATING. USE THE "ONE CALL" SYSTEM TO NOTIFY UTILITY COMPANIES. 1-800-424-5555.

ALL CLEARANCES OR DEPTHS SHOWN ON THE PLANS ARE REFERENCED TO THE EXISTING GROUND LINE.

TEMPORARY EROSION AND SEDIMENT CONTROL

REFER TO SECTION 208 OF THE MDT DETAILED DRAWINGS (2002 METRIC EDITION) FOR EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES.

WETLANDS

NO WETLANDS EXIST WITHIN THE LIMITS OF THIS PROJECT. WETLANDS MAY EXIST BEYOND THE PROJECT LIMITS AND ANY ACTION AFFECTING SUCH WETLANDS IS THE RESPONSIBILITY OF THE CONTRACTOR.



6: V:\00\47-15.d\1002.dgn DESIGNED BY JSD
 7/12/2006 REVIEWED BY JSD
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 U2313

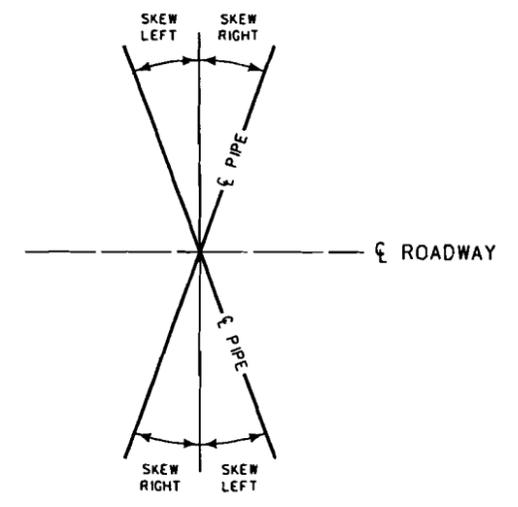
CSF-0.99923445

LINEAR AND LEVEL DATA

LENGTH OF ROADWAY - MONTANA AVENUE

111.390 m

SKEW DIAGRAM



BEARING SOURCE

THE BEARING SOURCE IS NAD83-92

LEVEL DATUM SOURCE

LEVEL DATUM IS NAVD 88



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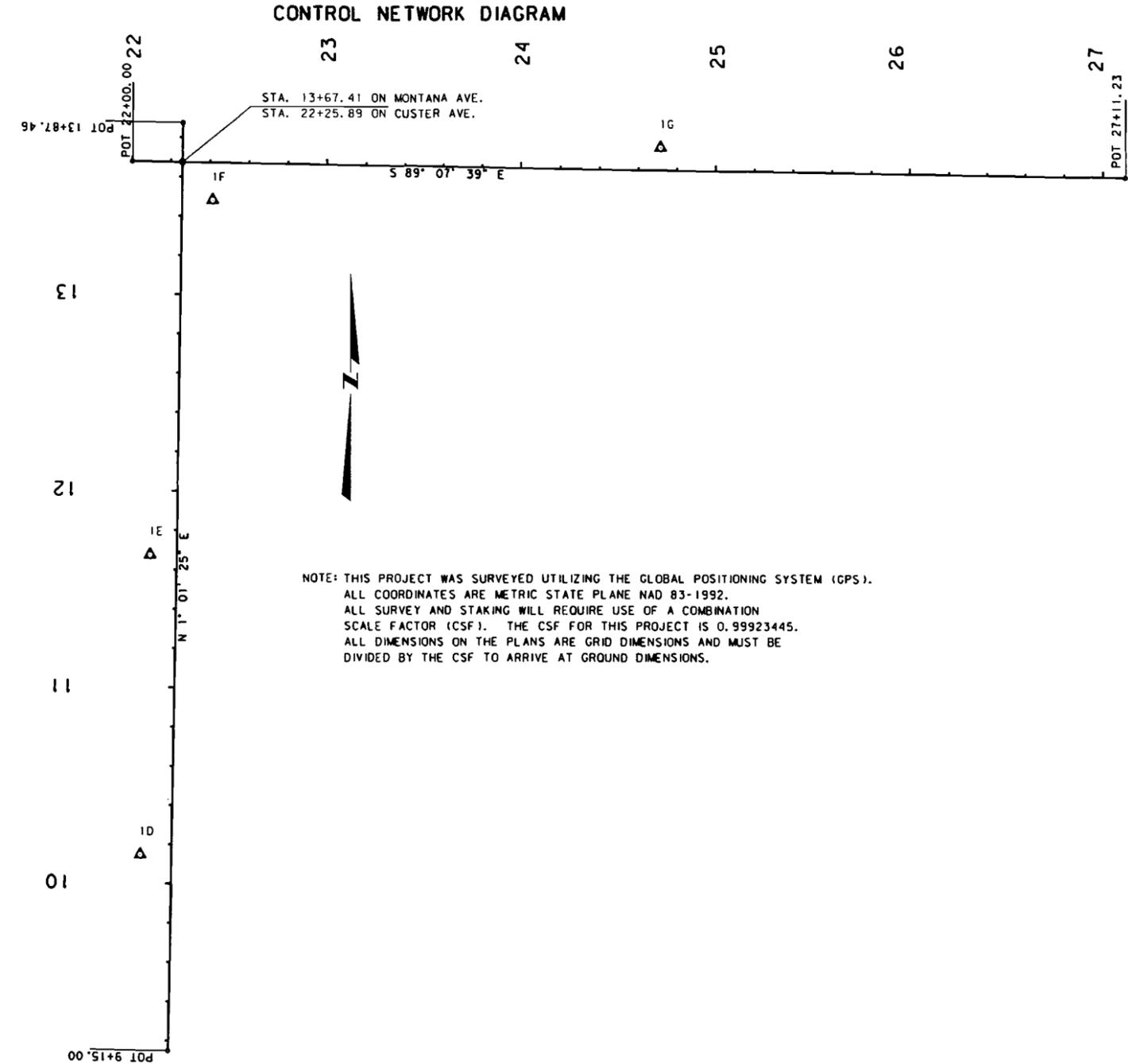
CONTROL NETWORK

STATE	PROJECT NUMBER	SHEET NO.
MONTANA	SFCU 5809(26)	4

CSF = 0.99923445



CONTROL NETWORK ABSTRACT				
POINT NAME/NUMBER	N OR Y COORDINATE	E OR X COORDINATE	POINT ELEVATION	LOCATION AND DESCRIPTION
ID	265 721.1903	407 026.6838	1180.411	Set 51mm aluminum cap stamped ID, 2002 on a 16mm rebar. Mark is 1m east of a survey marker post, 15m west of the PTW of North Montana Ave. at mile post 1.080, 8.4m north of the PTW of Enterprise Drive, 6.5m southeast of a power pole, and 9.0m southeast of a fire hydrant.
IE	265 873.9871	407 031.7029	1177.185	Set 51mm aluminum cap stamped IE, 2002 on a 16mm rebar. Mark is 1m east of a survey marker post, 13m west of the PTW of North Montana Ave at mile post 1.175, 11.7m south of the PTW of Tara Court Street, and 8m southeast of a power pole.
IF	266 054.2215	407 064.2306	1173.827	Set 51mm aluminum cap stamped IF, 2002 in the asphalt parking lot of the Oak Cetero building. Mark is 1.3m south of a survey marker post, 16.m east of the PTW of North Montana Ave. at mile post 1.288, 22.6m south of the PTW of Custer Ave., 10.6 m southeast of a luminaire pole base, and 19m northwest of an Oak Cetero light pole.
IG	266 081.5222	407 294.5626	1171.105	Set 51mm aluminum cap stamped IG, 2002 on a 16mm rebar. Mark is 0.85m south of a survey marker post, 247m east of the PTW of North Montana Ave. at mile post 1.307, 10.9m north of the PTW of Custer Ave, 30.2m west of the PTW of the eastern most approach to Shopko, 18.53m southeasterly of a power pole, and 1.73m south of the south edge of a sidewalk.



CENTERLINE COORDINATE TABLES

CENTERLINE COORDINATE TABLE				
STATION	DESCRIPTION	N OR Y COORDINATE	E OR X COORDINATE	REMARKS
9+15.00	P. O. T.	265 621.4220	407 040.8090	MONTANA AVE.
10+20.08	P. O. T.	265 726.4852	407 042.6862	BEGIN PROJECT ON MONTANA AVE.
13+67.41	P. O. T.	266 073.7598	407 048.8910	INTERSECTION WITH CUSTER AVE.
13+86.78	P. O. T.	266 093.1267	407 049.2371	END PROJECT ON MONTANA AVE.
13+87.46	P. O. T.	266 093.8066	407 049.2492	MONTANA AVE.

6: \gdm\47157dsum001.dwg DESIGNED BY JSD
 7/7/2006 REVIEWED BY JSD
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 N W EPS - U2313

SUMMARY

MONTANA DEPARTMENT OF TRANSPORTATION

MONTANA CADD

CURB														REMARKS
STATION		meters								square meters				
		CONCRETE CURB & GUTTER		CONCRETE MEDIAN CURB TYPE A		REMOVE CONCRETE CURB		LAY DOWN CURB *		DRAINAGE CHUTE @ 100 mm THICK				
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
10+55.73	10+94.96			39.23		39.23								LEFT **
10+94.96	10+96.78			1.82		1.82		1.82		1.67				LEFT
10+96.78	11+18.24			12.75		12.75								LEFT - INCLUDES RADII
11+18.24	11+24.85			10.00		10.00								LEFT - INCLUDES RADII
11+35.42	11+62.64			33.74		33.74				0.73				LEFT **
11+62.64	11+64.33	1.69				1.69		1.69						LEFT
11+64.33	11+67.12	2.79				2.79								LEFT - INCLUDES RADII
TOTAL		4.48		97.54		102.02 ***		3.51		2.40				

- * - INCLUDED IN COST OF CURB
- ** - END MEDIAN CURB WITH MEDIAN CURB TYPE A FACE
- *** - INCLUDE IN THE COST OF STREET EXCAVATION.

PAVEMENT MARKINGS						
ITEM	STATION		UNIT	INTERIM APPLICATION	FINAL APPLICATION	TOTAL
	FROM	TO				
REMOVE PAVEMENT MARKINGS	10+28.81	11+63.53	METERS			206.8
CURB MARKING - YELLOW PAINT	10+49.89	11+63.53	LITERS		22.0	22.0
STRIPING - WHITE EPOXY	10+28.81	11+63.53	LITERS		11.74	11.74

STREET EXCAVATION			
STATION	cubic meters		REMARKS
	STREET EXC.	EMB	
10+55.73	60		CURB REVISION LEFT
11+54.80		1.2	CURB RAMP BACKFILL
11+70.00			
TOTAL	60	* 1.2	

* - FOR INFORMATION ONLY

MISCELLANEOUS WORK				
STATION		units	square meters	REMARKS
FROM	TO			
10+61.85	10+98.55	2000		5 SPRINKLER HEADS LEFT *
TOTAL				

* - SEE SPECIAL PROVISIONS

STORM DRAIN										
STATION		meters		cubic meters		square meters		each		REMARKS
		TRENCH EXCAVATION	REMOVE CULVERT	DROP INLET COVER		MEDIAN DROP INLET**				
FROM	TO							TYPE 3		
								LEFT	RIGHT	
11+63.55				2.0				1		DROP INLET LT
11+66.10						1.2				COVER EXISTING DROP INLET LT
SUBTOTAL										
TOTAL				* 2.0		* 1.2		1		

* - SEE DETAIL - COST ABSORBED IN OTHER ITEMS.

** - TYPE III MEDIAN INLET. CONTRACTOR PROVIDE SHOP DRAWING FOR CONNECTIONS TO EXISTING 915 mm TRUNKLINE.

REVEGETATION							REMARKS
STATION		lump sum	sq. meters	hectares			
				REVEGETATION	TOPSOIL SALVAGING & PLACING *	SEED	
FROM	TO						
10+55.73	10+94.96	0.72	71	0.007	0.007	0.007	BEHIND CURB LT.
11+42.67	11+62.64	0.20	20	0.002	0.002	0.002	BEHIND CURB LT.
11+64.33	11+67.79	0.08	8	0.001	0.001	0.001	CURB RAMP BACKFILL
TOTAL		1	99	0.01	0.01	0.01	

* FOR INFORMATION ONLY

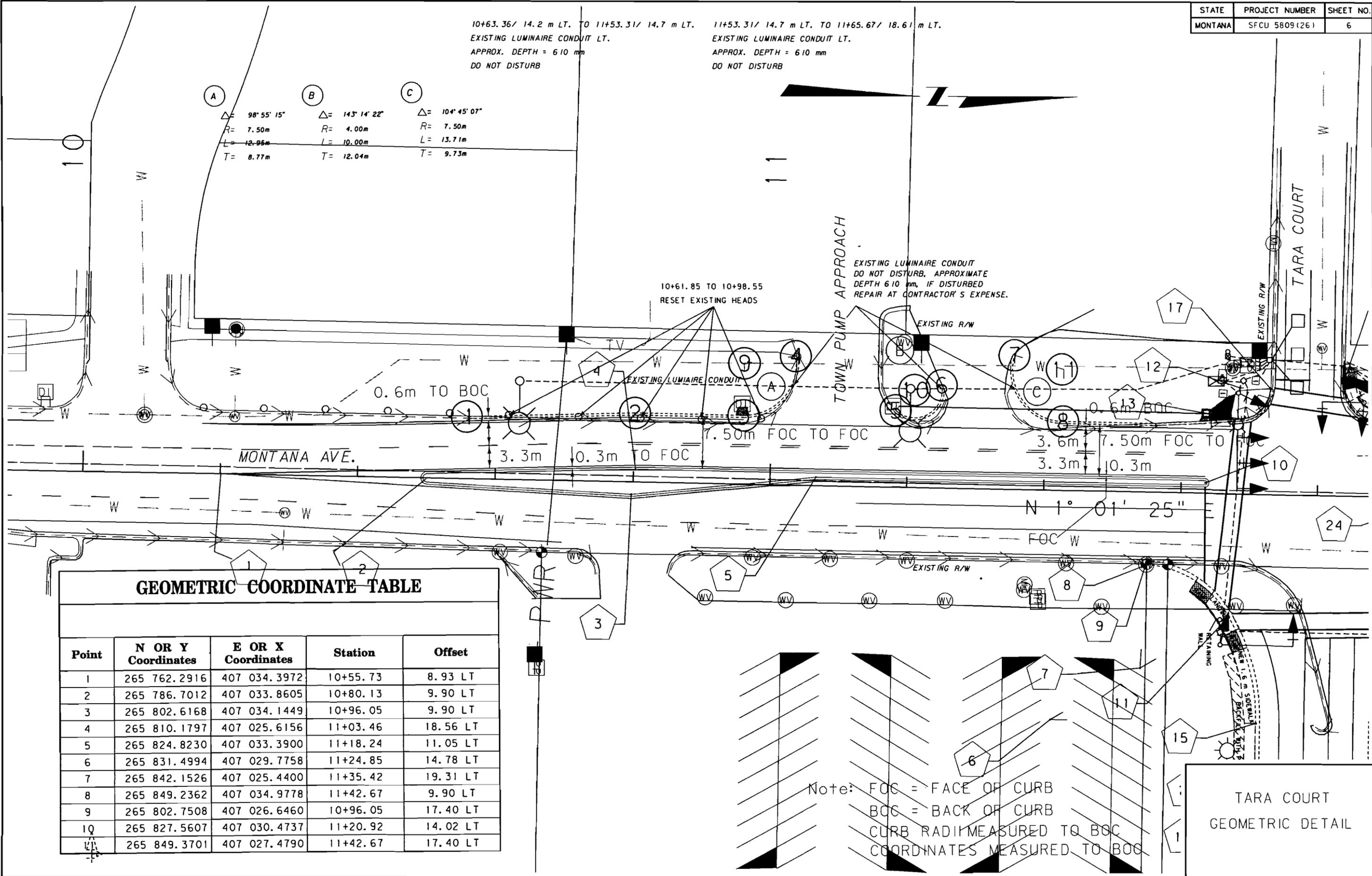
SURFACING & ADDITIONAL SURFACING																
STATION		meters				FOR	tons	AGGREGATE				BITUMINOUS MATERIAL				REMARKS
		GROSS	NET	+	-			tons	cubic meters			tons		liters		
FROM	TO							PLANT MIX BIT. SURF. GRADE D COMM.	CRUSHED AGG. COURSE							
10+55.73	11+67.12	111.39	111.39					29	22							
SUBTOTAL						ADDITIONAL SURFACING SUBTOTAL										
TOTAL		111.39	111.39					29	22							

DESIGNED BY JSD
 CHECKED BY JJA
 7/12/2006
 1:18:44 PM
 CPS - U2373

MONTANA DEPARTMENT OF TRANSPORTATION
 MONTANA CADD

10+63.36/ 14.2 m LT. TO 11+53.31/ 14.7 m LT. 11+53.31/ 14.7 m LT. TO 11+65.67/ 18.61 m LT.
 EXISTING LUMINAIRE CONDUIT LT. EXISTING LUMINAIRE CONDUIT LT.
 APPROX. DEPTH = 610 mm APPROX. DEPTH = 610 mm
 DO NOT DISTURB DO NOT DISTURB

(A)	(B)	(C)
$\Delta = 98^{\circ} 55' 15''$	$\Delta = 143^{\circ} 14' 22''$	$\Delta = 104^{\circ} 45' 07''$
R = 7.50m	R = 4.00m	R = 7.50m
L = 12.95m	L = 10.00m	L = 13.71m
T = 8.77m	T = 12.04m	T = 9.73m



GEOMETRIC COORDINATE TABLE

Point	N OR Y Coordinates	E OR X Coordinates	Station	Offset
1	265 762.2916	407 034.3972	10+55.73	8.93 LT
2	265 786.7012	407 033.8605	10+80.13	9.90 LT
3	265 802.6168	407 034.1449	10+96.05	9.90 LT
4	265 810.1797	407 025.6156	11+03.46	18.56 LT
5	265 824.8230	407 033.3900	11+18.24	11.05 LT
6	265 831.4994	407 029.7758	11+24.85	14.78 LT
7	265 842.1526	407 025.4400	11+35.42	19.31 LT
8	265 849.2362	407 034.9778	11+42.67	9.90 LT
9	265 802.7508	407 026.6460	10+96.05	17.40 LT
10	265 827.5607	407 030.4737	11+20.92	14.02 LT
11	265 849.3701	407 027.4790	11+42.67	17.40 LT

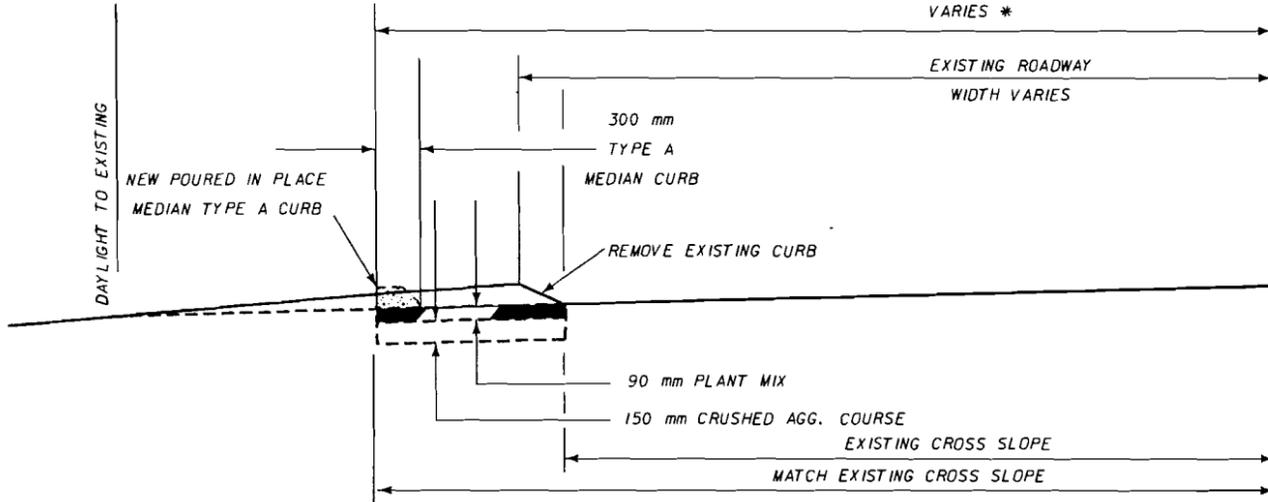
Note: FOC = FACE OF CURB
 BOC = BACK OF CURB
 CURB RADIUS MEASURED TO BOC
 COORDINATES MEASURED TO BOC

TARA COURT
GEOMETRIC DETAIL

DESIGNED BY
 REVIEWED BY
 CHECKED BY

MONTANA AVE SECTION DETAIL

10+55.73 TO 11+56.47
 10+55.73 TO 11+03.46 CURB TYPE A LT.
 11+18.24 TO 11+24.85 CURB TYPE A LT.
 11+35.42 TO 11+56.47 CURB TYPE A LT.
 VARIES *



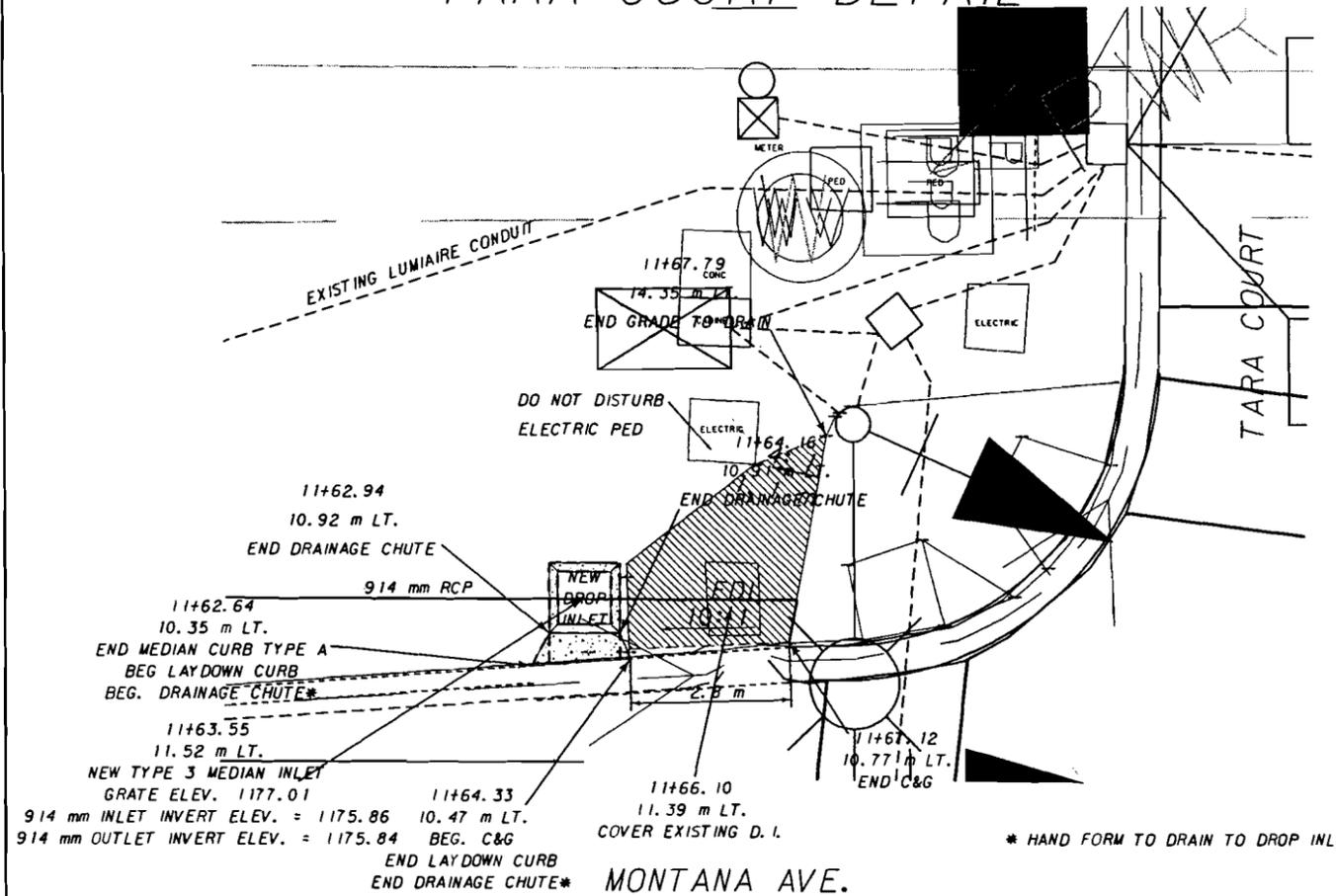
AVERAGE QUANTITIES

UNIT	AGGREGATE		EARTH	UNIT	BITUMINOUS MATERIAL	
	PLANT MIX	CR. AGG. COURSE	UNCL EXC		ASPHALT CEMENT	TACK **
AREA square meters	0.116	0.194	0.542	square meters PER STATION	1.59	130
cubic meters PER STATION	11.6	19.4	54.2	tons PER STATION		
tons PER STATION	26.5			liters PER STATION		15.6
square meters PER STATION						

** FOR INFORMATION ONLY BASE ON ONE APPLICATION

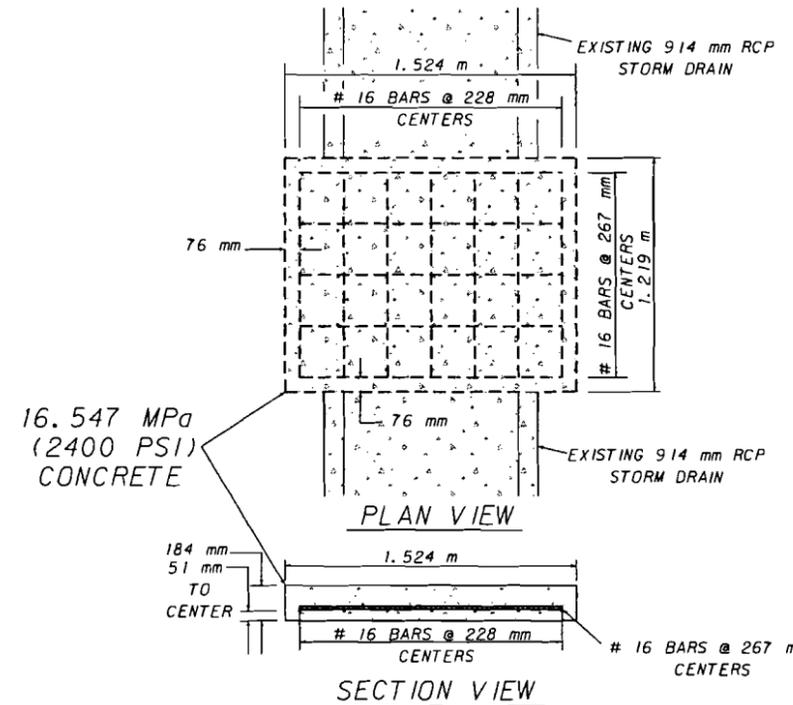
TARA COURT DETAIL

STATE	PROJECT NUMBER	SHEET NO.
MONTANA	SFCU 5809 (26)	7

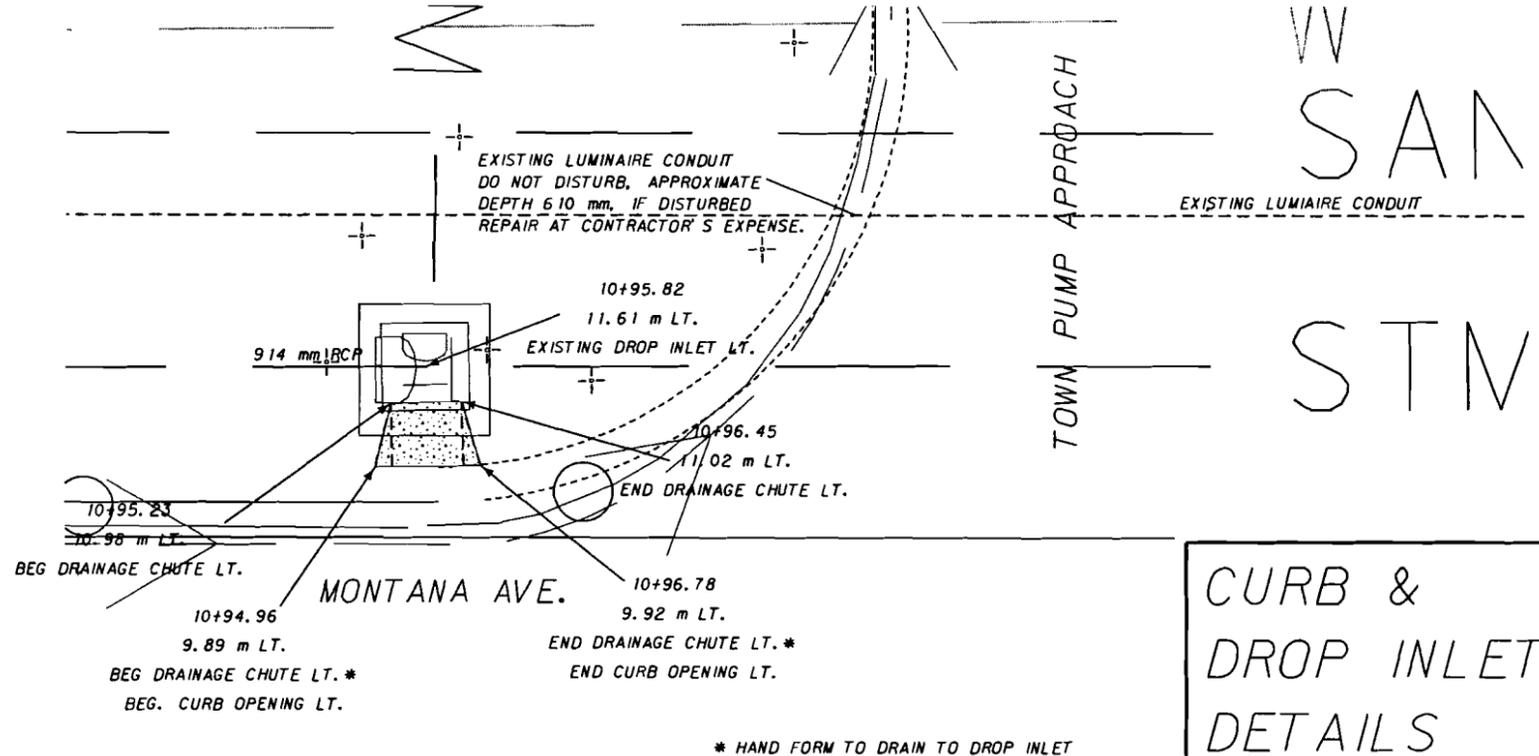


DROP INLET COVER DETAIL

11+66.10 / 11.39 m LT.
 COVER EXISTING D. I.



TOWN PUMP APPROACH DETAIL



CURB & DROP INLET DETAILS

MONTANA DEPARTMENT OF TRANSPORTATION
 MONTANA CADD

DESIGNED BY
 REVIEWED BY
 CHECKED BY