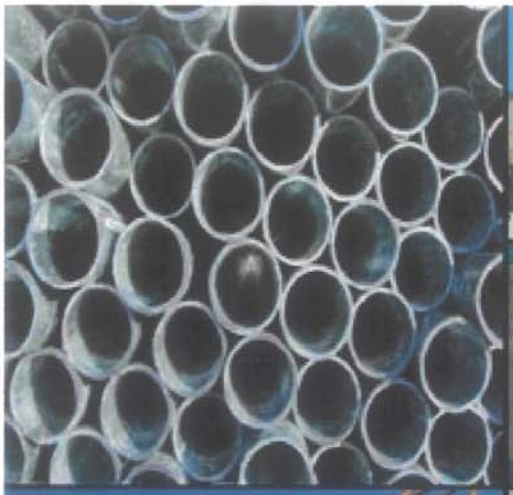



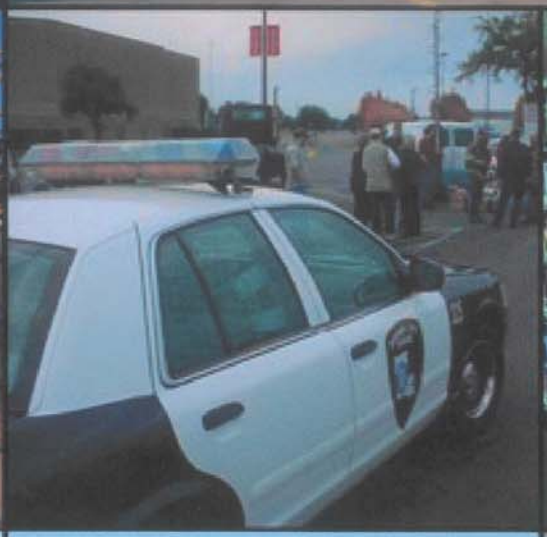

City of Westmorland Service Area Plan



CITY OF WESTMORLAND

SERVICE AREA PLAN

✧

SUBMITTED TO:

IMPERIAL COUNTY
Local Agency Formation Commission
509 Eighth Street
El Centro, California 92243

✧

SUBMITTED BY:

CITY OF WESTMORLAND
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P.O. Box 699
Westmorland, California 92281

✧

PREPARED BY:

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March 3, 2005

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EXECUTIVE SUMMARY

The purpose of the Service Area Plan is to provide the Imperial County Local Agency Formation Commission (LAFCO) with enough information to demonstrate that future public facilities have been identified and will be available to serve the future development within the sphere of influence in accordance with the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000. This document complies with the requirements of Section 56653(b) regarding the preparation of a plan for providing services (Service Area Plan) and provides the information necessary for LAFCO to conduct a municipal services review in compliance with Section 56430.

The following definitions will be helpful in understanding this executive summary:

Population Projections - Population projections provide the anticipated population in five-year increments up to the year 2025.

Performance Standard - A performance standard is the desired level of service that a public facility must provide.

Facility Analysis - The facility analysis determines the existing and future impacts or demands on public facilities.

The Executive Summary provides a brief summary of the population projections and the analysis for each individual public facility in terms of the performance standard, existing facilities, facility demand, mitigation, annual budget, cost per capita and financing.

POPULATION PROJECTIONS

Year	Dwelling Units	Population
2005	890	3,035
2010	1,940	6,615
2015	2,190	7,468
2020	2,440	8,320
2025	2,690	9,173

PUBLIC FACILITY ANALYSIS

ADMINISTRATIVE FACILITIES

Performance Standard - 900 square feet of administrative building space/1,000 population

Existing Facilities - City Hall - 2,000 sq. ft.

Adequacy - The existing building square footage is currently adequate for the purposes of serving the people of Westmorland.

Future Demand -
2005 - 2,731 sq. ft.
2010 - 5,954 sq. ft.
2015 - 6,721 sq. ft.
2020 - 7,488 sq. ft.
2025 - 8,256 sq. ft.

Mitigation -

A. On a yearly basis, the city of Westmorland shall review the facilities provided against the demand for facilities based on the performance standard.
B. By the year 2009 (4 year time period), a minimum of square feet of administrative facilities will be needed to meet demand.

Funding Sources - Current Funding - Property taxes, sales taxes, licenses and permits, fines and penalties, charges for services and other miscellaneous sources.

Future Funding - Continue to use existing sources as well as explore the use of development impact fees, general obligation bonds, and citywide community facilities district.

Annual Budget - (2004/2005 FY) $196,950

Cost Per Capita - $90.24 per capita

DRAINAGE FACILITIES –

Performance Standards - Conformance with the city of Westmorland design guidelines for storm water runoff and management, NPDES requirements, requirements of the Federal Emergency Management Agency and the requirements established by the Imperial Irrigation District for storm water runoff.

Existing Facilities - Existing facilities consist of surface drainage.

Adequacy- Adequate conveyance up to the 100-year storm incident.

Future Demand - The construction of future storm water drainage facilities will be based on the rate and the type of new development within the city of Westmorland.

Mitigation -

A. The city of Westmorland should consider requiring that all future development construct storm drain facilities in accordance with the design standards of the Engineering Department and the Imperial Irrigation District (IID) necessary to convey storm water into existing drains managed by IID.

B. Future development may be required to retain storm water on-site or within existing retention basins to restrict storm water flow into IID facilities in accordance with the IID policies.

C. Future development shall ensure compliance with all state and federal rules and regulations related to the discharge of storm water.

D. All development shall provide improvements constructed pursuant to best management practices referenced in the *California Storm Water Best Management Practices Handbook.*

Funding Sources - Current Funding - Property taxes, sales taxes, licenses and permits, charges for services and other miscellaneous sources.

Future Funding - Continue to use existing sources as well as use citywide community facilities district, special assessment districts or development impact fees. Future

storm water drainage facilities will be installed at the developer's expense at the time of construction.

Annual Budget - (2004/2005 FY) $4,625

Cost Per Capita - $2.12 per capita

FIRE FACILITIES

Performance Standard - 4 Minute Response Time

Existing Facilities - Twenty-three (23) Volunteers

- One (1) Chief
- One (1) Assistant Chief
- Two (2) Captains
- Six (6) Emergency Medical Technicians
- Ten (10) Firefighters
- Three (3) Reserves
- One (1) Records Clerk

One (1) Rescue Squad
Three (3) Engines
One (1) Automobile
One (1) County Truck
One (1) 12,000 square foot building

Adequacy - Fire protection services are conducted on a *volunteer basis* and currently *do* meet the needs of the city, however it is noted that there is an existing demand for fire facilities as follows[1]:

- 1 New Engine - $200,000 (est.)
- 1 New Rescue Unit - $150,000 (est.)
- 1 Fulltime Fire Chief - $46,000 (est.)
- 2 Fulltime Firefighters/EMTs - $76,000 (est.)
- Public Safety Building - $500,000 (est.)

1 Source: Letter to Hofman Planning Associates from the city of Westmorland, March 2, 2004.

Future Demand -

2005 - 3 firefighters/15 Volunteers/12,000 sq. ft.
2010 - 3 firefighters/15 Volunteers/12,000 sq. ft.
2015 - 3 firefighters/15 Volunteers/12,000 sq. ft.
2020 - 3 firefighters/15 Volunteers/12,000 sq. ft.
2025 - 6 firefighters/15 Volunteers/24,000 sq. ft.

Mitigation -

A. Fire protection facilities and personnel should be incrementally added as demand increases.
B. All major developments proposed within the city of Westmorland shall be forwarded to the fire department for review and comments.
C. Adequate fire flows shall be submitted for all development projects.
D. A Master Plan for Fire Protection Facilities should be prepared prior to the expiration of the current protection services contract.
E. An additional fire station should be considered.

Funding Sources -

Current Funding - The county of Imperial provides equipment and funding for fire protection services.

Future Funding - Continue to use existing sources as well as explore the use of development impact fees, Fire Suppression Assessment Districts and/or Special Taxes.

Annual Budget - (2004/2005 FY)

$46,632 - Paid by the county of Imperial to the city of Westmorland for contract fire protection services.

Cost Per Capita -

$0.00 per capita

LAW ENFORCEMENT

Performance Standard -

2.3 enforcement personnel /1,000 population
4-minute emergency response time
1.3 sworn officer(s)/vehicle
140 square feet of building/personnel

Existing Facilities -

One (1) Police Chief
Two (2) Corporals
Two (2) Patrol Officers
Four (4) marked vehicles
700 square feet of building space

Adequacy -

Westmorland's law enforcement facilities currently meet the needs of the city, however it is noted that there is a present demand for improvement as follows:

- One (1) Police Officer - $40,000/year (est.)
- One (1) Chevy Tahoe - $30,000 (est.)
- One Ford Police Interceptor - $25,000 (est.)
- Additional Square Footage – amount and cost undetermined

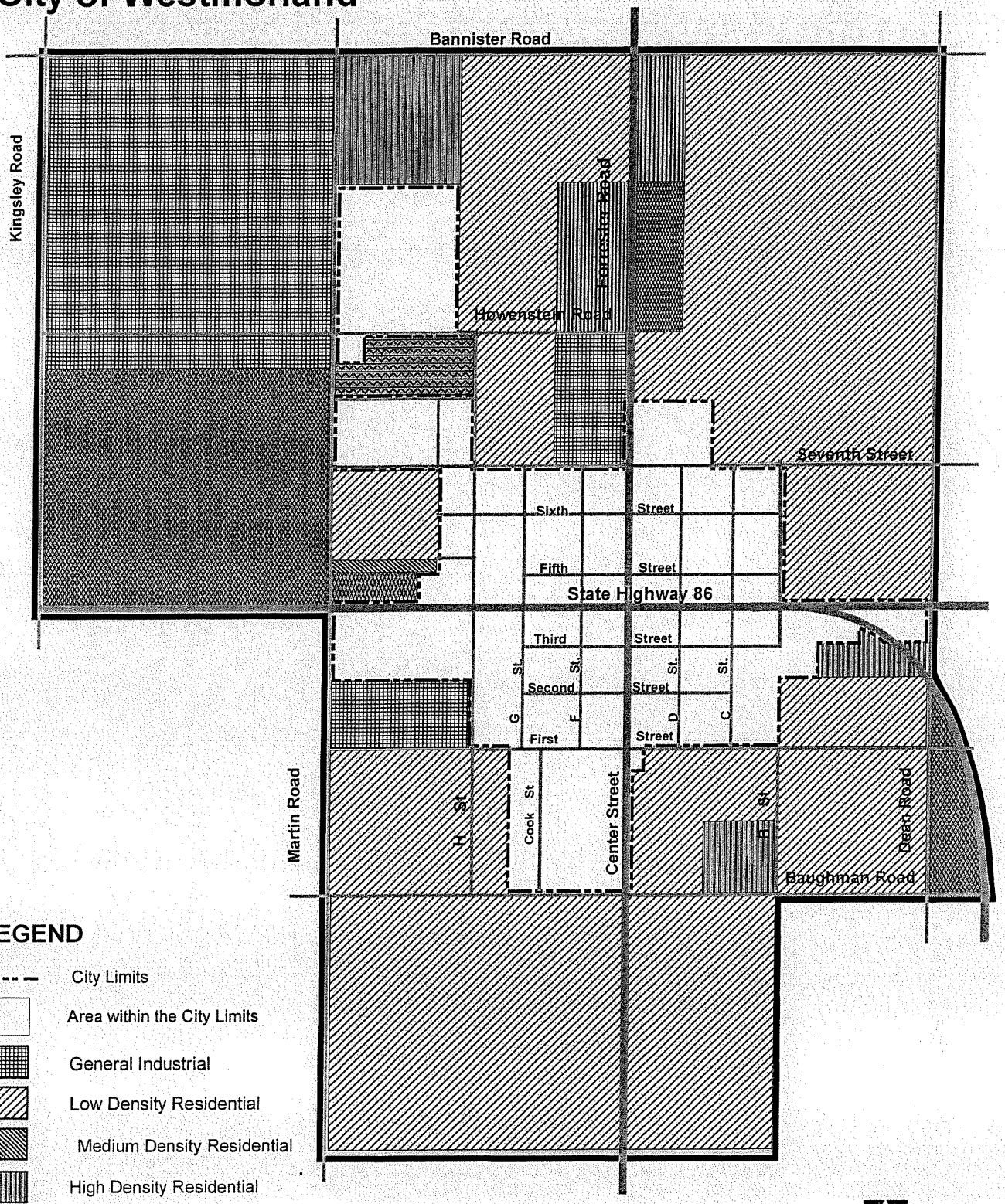
Future Demand -

2005 - 7 police officers/6 vehicles/973 sq. ft.
2010 - 15 police officers/12 vehicles/2,122 sq. ft.
2015 - 17 police officers/14 vehicles/2,395 sq. ft.
2020 - 19 police officers/15 vehicles/2,669 sq. ft.
2025 - 21 police officers/17 vehicles/2,942 sq. ft.

Mitigation -

A. The city of Westmorland shall continue to monitor the response times for priority calls to ensure adequate public safety.
B. In 2005, a financing mechanism shall be identified that will enable the city to construct a new police station.
C. The Police Department shall continue obtaining grants and other funds to combat crime through

City of Westmorland



LEGEND

- City Limits
- Area within the City Limits
- General Industrial
- Low Density Residential
- Medium Density Residential
- High Density Residential
- Open Space
- Commercial Office

NORTH
NO SCALE
NOTE: ALL LOCATIONS APPROXIMATE

Hofman Planning Associates

Land Use Designations
Exhibit 3

pro-active and preventive measures.

Funding Sources - Current Funding - Property and sales taxes from the General Fund and State C.O.P.S. Grant.

Future Funding - Continue to use existing sources, pursue grants such as the Local Law Enforcement Block Grant (LLEBG). The city should consider implementation of a development impact fee program as well.

Annual Budget - (2004/2005 FY) $188,430

Cost Per Capita - $86.34 per capita

LIBRARY FACILITIES

Performance Standard - The library facility performance standard is 408 square feet per 1,000 population is assumed.

Existing Facilities - There are approximately 2,000 square feet of existing *county* library space at the Westmorland Elementary School. This space includes a youth section, adult section, card catalog, computer terminal, study tables, chairs, and a washroom[2].

Adequacy - The county library facility is currently adequate to serve the city of Westmorland. However, the city of Westmorland has indicated a desire to have a city library. Based on the performance standard, there is an 891 square foot deficiency of "city" library space. It has been suggested that the city would like to convert the City Hall building into a public library in the future.

Future Demand - 2005 - 1,239 sq. ft.
2010 - 2,700 sq. ft.

---

2 Source: County Librarian, electronic correspondence, January 25, 2005.

2015 - 3,048 sq. ft.
2020 - 3,396 sq. ft.
2025 - 3,744 sq. ft.

Mitigation -

A. The city shall continue efforts to obtain funding in order to provide adequate library services to its residents.

Funding Sources -

Current Funding for a New City Library - None

Future Funding – Property and sales taxes from the general fund. The city should also explore the use of development impact fees, community facilities district, special assessment district, California Literacy Campaign Fund, the State Public Library Fund, Community Development Block Grants and user fees.

Annual Budget - (2004-2005 FY)

$0

Cost Per Capita -

$11.34 per capita (after facility is constructed)

PARK AND RECREATIONAL FACILITIES

Performance Standard -

3.0 acres of parkland / 1,000 population

Existing Facilities -

3.0 acres – City Park and soccer fields at Jake James Park.

In Development -

20.0 acres – Jake James Municipal Sports Park – expected completion by mid 2005.

Adequacy -

Currently, there is a (3.5) acre deficiency of park facilities in Westmorland. However, the Jake James Municipal Park, when completed, will more than adequately service the needs of Westmorland. It will provide the city with a surplus of park acreage through the year 2014.

Future Demand -

2005 - 9.1 acres
2010 - 19.8 acres
2015 - 22.4 acres
2020 - 25.0 acres
2025 - 27.5 acres

Mitigation -

A. Consider requiring developers of new subdivisions to dedicate parkland.
B. Pursue federal and state grants and aid funds to ensure there are sufficient parks in the future.
C. Complete a Parks Master Plan.

Funding Sources -

Current Funding - property and sales taxes from the general fund.

Future Funding - Continue to use existing sources, development impact fees, Community Facilities District, Special Benefit Assessment District Community Development Block Grants, and/or other state and federal grants.

Annual Budget - (2004/2005 FY)

$18,573

Cost Per Capita -

$8.51 per capita

CIRCULATION FACILITIES

Performance Standard -

Level of Service (LOS) of "C" or better

Existing Facilities -

Highway –
- State Route 86 (Main Street)

Major Arterial –
- Main Street (State Route 86)
- Center Street

Collectors –
- Seventh
- First Street
- "H" Street
- "G" Street

- "B" Street
- "C" Street

No Signalized Intersections

Adequacy - Existing streets are operating at acceptable levels.

Future Demand -

Center Street	$341,762
Martin Road	$159,363
Seventh Street	$555,605

Mitigation -

A. For collector streets, the developers shall be responsible for all street improvements including one travel lane, curb and gutter and sidewalk constructed to city standards for all land fronting on said collectors.

B. For major and secondary arterials, the developer shall be responsible for frontage improvements including ½ median, one travel lane, curb, gutter and sidewalk.

C. New development that results in increased traffic impacts that exceed 5,000 vehicles per day on local streets shall provide a traffic study to outline needed improvements to mitigate the increased traffic levels.

Funding Sources - Current sources - General Fund, Motor Vehicle In-Lieu Tax, State Gas Tax, LTA Measure D.

Future sources - Continue to use existing sources as well as explore the use of development impact fees, Citywide Community Facilities District, Special Benefit Assessment District, Certificate of Participation, Intermodal Surface Transportation Efficiency Act (ISTEA), Surface Transportation Program (STP), and/or Community Development Block Grants.

Annual Budget - (2004/2005 FY) $22,825

Cost Per Capita - $10.46 per capita

WASTEWATER TREATMENT AND SEWER FACILITY CAPACITY

Performance Standard - Sewer facilities must meet or exceed peak demand. Currently, Westmorland's sewer facilities do meet these standards.

Existing Facilities - According to the city of Westmorland Wastewater Collection System Master Plan prepared by The Holt Group, 2001 and the Executive Director of Public Works:

- Approximately 6.8 miles of gravity sewers ranging in size from 4 to 12 inches in diameter.
- Existing average daily flow is 0.26 MGD.
- Treatment capacity is 0.5 MGD.
- There is one pump station at the Wastewater Treatment Facility.

Adequacy - Existing wastewater treatment and sewer facilities are adequate.

Future Demand -

2005 - 0.36 MGD Average Daily Flow
2010 - 0.79 MGD Average Daily Flow
2015 - 0.89 MGD Average Daily Flow
2020 - 0.99 MGD Average Daily Flow
2025 - 1.09 MGD Average Daily Flow

Mitigation -

A. Facilities identified in the Wastewater Master Plan update shall be constructed as needed as new development and annexation of land occurs.

B. Prior to the recordation of a final map within any of the annexation areas, a development agreement must be in place to ensure that adequate wastewater facilities will be provided during the peak wet weather flow (PWWF) conditions for the wastewater conveyance system being utilized by said annexation area.

C. All system improvements shall be designed and constructed in accordance with Federal, State and local regulations.

Funding Sources -

Current Funding - The primary sources of revenue for wastewater treatment and conveyance facilities are the sewer service charges, developer contributions and sewer capacity fees.

Future Funding - Continue to use existing sources as well as use special assessment districts, community facilities districts, local bond issuance, developer contributions, development impact fees, USDA Water and Waste Disposal Loans and Grants for Public Works and Infrastructure Development.

Annual Budget - (2004/2005 FY)

$79,928

Cost Per Capita -

$36.62 per capita

WATER FACILITIES

Performance Standard -

- Flow velocity under peak day demand shall be limited to 20.0 feet per second
- Flow velocity under maximum day demand plus fire flow shall be limited to 30.0 feet per second
- 50 psi pressure shall be maintained system-wide under peak day conditions
- 40 psi shall be maintained system wide with local minimums of 20 psi during maximum day plus fire flow conditions
- Peaking factor is 2.00
- Storage required is one maximum average day demand plus a 3,000 GPM fire flow for a 4 hour duration
- Treatment plant capacity shall meet the demand of the maximum daily flow
- Fire Flow Minimums -

  1,000 GPM for residential
  2,500 GPM for commercial
  2,500 GPM for industrial

Existing Facilities -

- Exiting 24" diameter raw water gravity pipeline from the Westmorland Canal 2.0 MGD
- Raw water reservoirs 2.0 MGD
- Settled water pump station 3.0 MGD
- Sedimentation basins (2 each at 1.5 MGD) 3.0 MGD
- Filter (3 each at 1.0 MGD) 3.0 MGD
- Clear water pump station (3 each at 1.0) 3.0 MGD
- Chemical feed system 2.0 MGD
- Chlorinator 2.0 MGD
- Service Pump (3 each at 1.73 MGD) 5.2MGD

Facility Demand -

2005 - 1.64 MGD Peak Daily Demand
2010 - 3.58 MGD Peak Daily Demand
2015 - 4.04 MGD Peak Daily Demand
2020 - 4.50 MGD Peak Daily Demand
2025 - 4.96 MGD Peak Daily Demand

Mitigation -

A. Facilities identified in the Water Master Plan update shall be constructed as needed as new development and annexation of land occurs.

B. Prior to the recordation of a final map within any of the annexation areas, a development agreement shall be in place to ensure that adequate water pressures will be provided during the MDPHF conditions for the water distribution system being utilized by said annexation area.

C. A potable water supply shall be provided for all annexation areas.

D. All system improvements shall be designed and constructed in accordance with Federal, State and local regulations.

Financing -	Current Funding - The primary sources of revenue for water treatment and distribution facilities are the water service charges, developer contributions, water capacity fees and water turn on fees. Future Funding - Continue to use existing sources as well as use special assessment districts, community facilities districts, local bond issuance, developer contributions, development impact fees, USDA Water and Waste Disposal Loans and Grants for Public Works and Infrastructure Development.
Annual Budget - (2004/2005 FY)	$82,525
Cost Per Capita -	$37.81 per capita

INTRODUCTION

I. PURPOSE

In accordance with the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000, a Service Area Plan is required for all cities. The purpose of the Service Area Plan is to address how public facilities will be extended to the areas outside the city limits and within the sphere of influence. It is intended to demonstrate the city's ability and intent to provide adequate services to the land within the sphere of influence boundaries at the time of annexation.

This Service Area Plan provides an analysis of existing public facilities and services of the city, and indicates how the demand created by future developments within the city's service area will be met by each service and facility. The Service Area Plan contains the following:

- A projection of the geographic extent of service capabilities during the next 20 years delineated in 5-year increments.
- Projected level of service capabilities, time frames and geographical areas.
- Actual and projected costs of services to consumers.
- Sufficient information concerning current and projected capital programs, revenues, costs, rate structures and financing, and other information necessary to support the projected service capabilities and areas set forth in the Plan.

II. BACKGROUND

The city of Westmorland is located in northwestern Imperial County in the southeast corner of California. Imperial County is bordered by the north, south, west and east by Riverside County, the U.S./Mexico International Border, San Diego County, and Arizona's western boundary respectively. Westmorland is located on State Highway 86 and is approximately 30 miles from the U.S./Mexico International Border. It is expected to experience significant growth in the future mainly due to the volume of commercial truck traffic that flows through the city to and from Calexico. Located on the U.S. Mexico Border near Mexicali is Gateway of the Americas, an industrially/commercially concentrated complex designed to sustain and maximize the activities of the International Port of Entry. As development of business and industry grows within Gateway of the Americas, so will the demand for housing and public facilities in the areas surrounding it, such as Westmorland. The following land

use designations have been employed within this document in accordance with the city of Westmorland's General Plan.

Table 1 Land Use Designations

Land Use Symbol	Designation
R-1	Low Density Residential
R-2	Medium Density Residential
R-4	High Density Residential
C	Commercial
I	Industrial
OS	Open Space

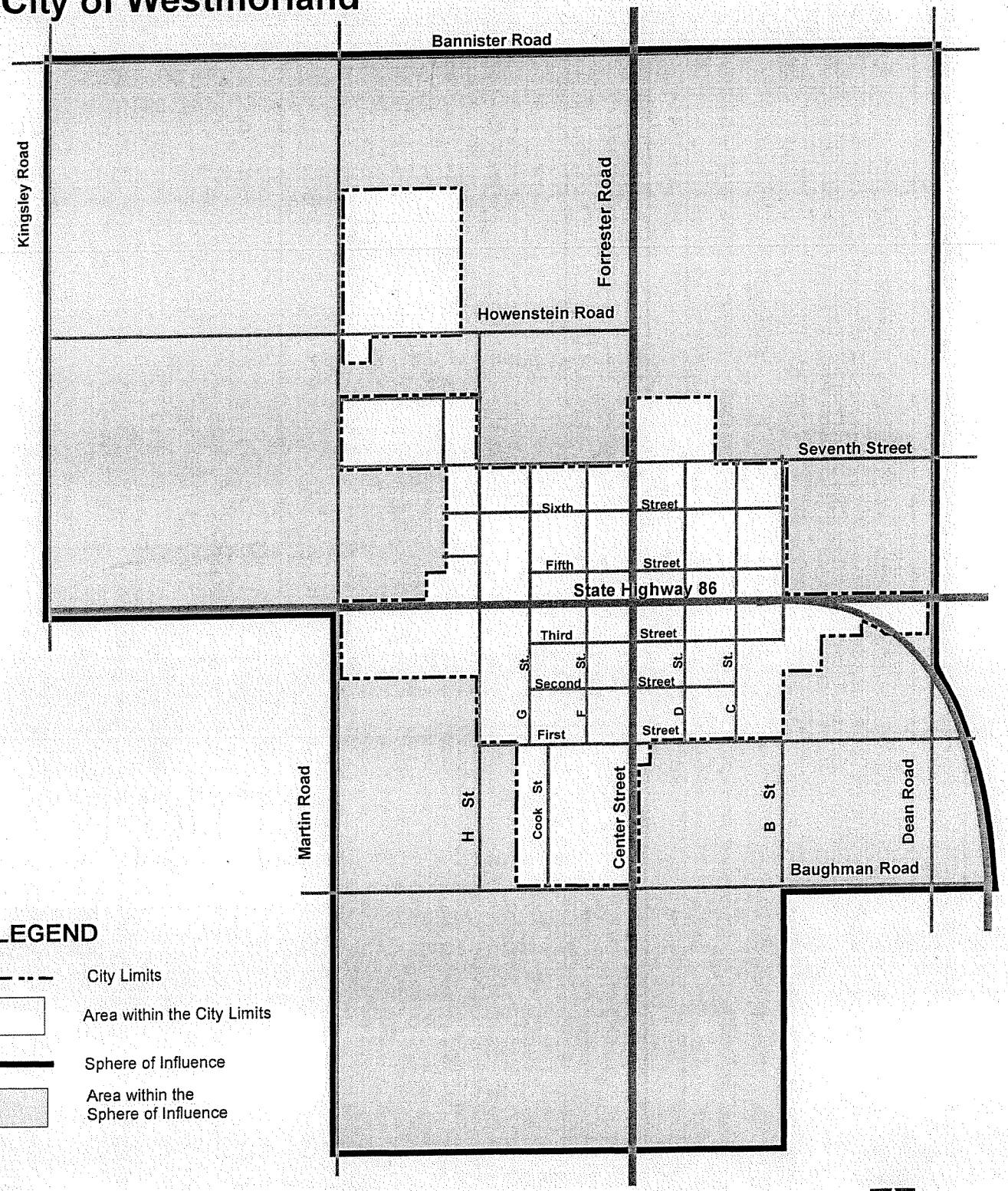
Exhibit 1 on page 17 illustrates the boundaries of the city limits of Westmorland. Currently, a total of approximately 272 acres of land are located within the Westmorland city limits. Approximately 136 acres of land are designated for residential use, 22 acres are assigned to commercial land use designations and 16 acres are industrial. Thirty six acres (36) are designated as open space and consist of three major blocks - one between Second and First Street, and F and Center Street, one between First and Second Street, C and B Street and on 20 acre block of land located just north of Howenstein Road, contiguous to the wastewater treatment plant. These areas are occupied by the City Hall/City Park, a portion of Westmorland Elementary School and Jake James Municipal Park, respectively.

The city of Westmorland sphere of influence extends out in all directions from the city limits, with its furthest boundaries at Bannister Road to the north, 1/2 mile south of Baughman Road to the south, Highway 86 and Dean Road to the east, and Kingsley Road to the west. The city expects to annex these areas within the next twenty (20) years.

Land designated for residential use outside the city limits but within the sphere of influence is the most abundant, with approximately 784 acres. Approximately 184 acres are designated for commercial use, 215 acres have been designated for industrial use, and approximately 18 acres in the northwestern quadrant of the sphere of influence are designated for open space. There are three major blocks of land designated for industrial use to the north, west, and east of the city. Residential areas exclusively within the sphere of influence are situated in every direction outward from the city limits, with major blocks reserved at the northeast, southwest and southeast quadrants of the sphere of influence.

Westmorland's entire sphere of influence consists of approximately 1,560 gross acres of land. About 272 gross acres are located within the city limits, and 1,288 gross acres are located outside the city limits.

City of Westmorland



LEGEND

- City Limits
- Area within the City Limits
- Sphere of Influence
- Area within the Sphere of Influence

NORTH
NO SCALE
NOTE: ALL LOCATIONS APPROXIMATE

Hofman Planning Associates

City Limits
Exhibit 1

III. RESIDENTIAL PROJECTIONS

According to development projections made by the Executive Director of Public Works and Mayor of Westmorland, we estimated the city's population to increase to 3,035 by 2005 and grow to 9,173 by the year 2025. The following table illustrates the estimated future population of the city of Westmorland for the next twenty years in five-year increments.

YEAR	PROJECTED POPULATION
2005	3,035
2010	6,615
2015	7,468
2020	8,320
2025	9,173

The population estimates were compared with data from the 2000 Census and population projections made in the city of Westmorland Water Distribution System Study prepared by the Holt Group. Current population estimates obtained from the 2000 Census and the land use survey conducted by Hofman Planning Associates were compared and exhibited only a small difference of 51 persons; the Census estimated a current population of 2,131 and the HPA land use survey resulted in a total of 2,182.

IV. PUBLIC FACILITIES AND SERVICES

This plan will address how public facilities and services will be provided to the city of Westmorland its Sphere of Influence over the course of the 20-year planning period. An analysis of the following facilities and services are provided in this document:

- Administrative Facilities - City of Westmorland
- Drainage Facilities - City of Westmorland/Imperial Irrigation District
- Fire Facilities - County of Imperial via contract with the city of Westmorland
- Law Enforcement - City of Westmorland
- Library Facilities - City of Westmorland
- Park and Recreational Facilities - City of Westmorland

- Circulation Facilities - City of Westmorland
- Wastewater Treatment and Sewer Facilities - City of Westmorland
- Water Facilities - City of Westmorland

Each facility is analyzed in detail based on the standards developed by LAFCO for Service Area Plans. For each service, the following information is provided:

- Description of the nature of each service to be provided.
- Description of the service level capacity from the service provider's facilities.
- Presentation of maps that clearly indicate the location of existing and proposed facilities, including a plan for timing and location of facilities.
- Identification of existing land use and a five-year projection of land use and land use controls.
- Identification of the anticipated service level to be provided.
- Demonstration that adequate services will be provided within the time frame provided.
- Discussion of any conditions that may be imposed or required within the affected territory.
- Description of any actions, improvements, or construction necessary to reach required service levels, including costs and financing methods.
- Provision of copies of district enabling legislation pertinent to the provision of services and annexations.

Each facility analysis is divided into four sections that discuss the above-mentioned information. These sections are:

Performance Standard: A description of the desired level of service that a public facility must provide.
Facility Planning and Adequacy Analysis: A description of the existing facilities, the current adequacy of the facilities, the future demand for facilities and the phasing of the demand for facilities.
Mitigation: A series of recommendations to ensure that adequate facilities will be provided.
Financing: An explanation and identification of how the service and facilities are currently being funded, including a per capita cost, and how future services and facilities may be funded.

PHASING PROJECTIONS

I. INTRODUCTION

The phasing projections section provides an estimate of where and when development within the sphere of influence boundaries will be annexed into the city of Westmorland. Although phasing projections are difficult to predict with precision, they are beneficial to the planning of public facilities to ensure level of service standards are continually met.

II. AREAS OF ANNEXATION

Each area of annexation is described below in terms of its *approximate* boundary lines (precise boundary lines can be found on page 23, Exhibit 2), the land uses involved and the timing in which the annexation will take place.

The following segment provides a summary of each annexation area in the order of when the area is anticipated to be annexed.

Within 5 Years -

Anticipated land use designations in this area consist of commercial, industrial, open space, low and high density residential. The land is currently agricultural.

The boundaries for this annexation area consist generally of the following:

North boundary line - Bannister Road
South boundary line – Main Street (Highway 86)
East boundary line – Forrester Road
West boundary line - Kingsley Road

Also expected to annex within the next 5 years is an 80-acre piece of land just south of Baughman Road:

North boundary line – Baughman Road
South boundary line – 1/4 mile south of Baughman Road and Andre Road
East boundary line – Forester Street
West boundary line – Martin Road

Within 10 Years -

These areas are anticipated to be annexed into the city within a 10-year period. Expected land use designations in this area consist of low density residential and industrial. Currently, the land is vacant.

The general boundaries for this annexation area consist of the following:

North boundary line - Bannister Road
South boundary line - Main Street (Highway 86)
East boundary line - Dean Road
West boundary line - Center Street/"B" Street/city limits

Also expected to annex within the next 10 years is an 80-acre piece of land just south of Baughman Road:

North boundary line - 1/4 mile south of Baughman Road
South boundary line - ½ mile south of Baughman Road
East boundary line - Forrester Road
West boundary line - Martin Road

Within 15 Years -

This area is anticipated to be annexed into the city within a 15-year period. The General Plan land use designation in this area consists of commercial as well as low and high density residential. The existing land is currently vacant.

The general boundaries for this annexation area consist of the following:

North boundary line - Third Street/city limits
South boundary line - Baughman Road
East boundary line - Dean Road/Hwy 86
West boundary line - Center Street/"B" Street/city limits

Within 20 Years -

This area is anticipated to be annexed into the city within a 20-year period. The planned land use designations in this area consist of industrial and low density residential. The existing land is vacant.

The general boundaries for this annexation area consist of the following:

North boundary line - Second Street/city limits
South boundary line - Baughman Road
East boundary line - "G" Street/city limits
West boundary line - Martin Road

Also expected to annex within the next 20 years is an 80-acre piece of land just south of Baughman Road:

North boundary line - Baughman Road
South boundary line - 1/2 mile south of Baughman Road
East boundary line - east boundary line of parcel # 036-170-12
West boundary line - Forrester Road

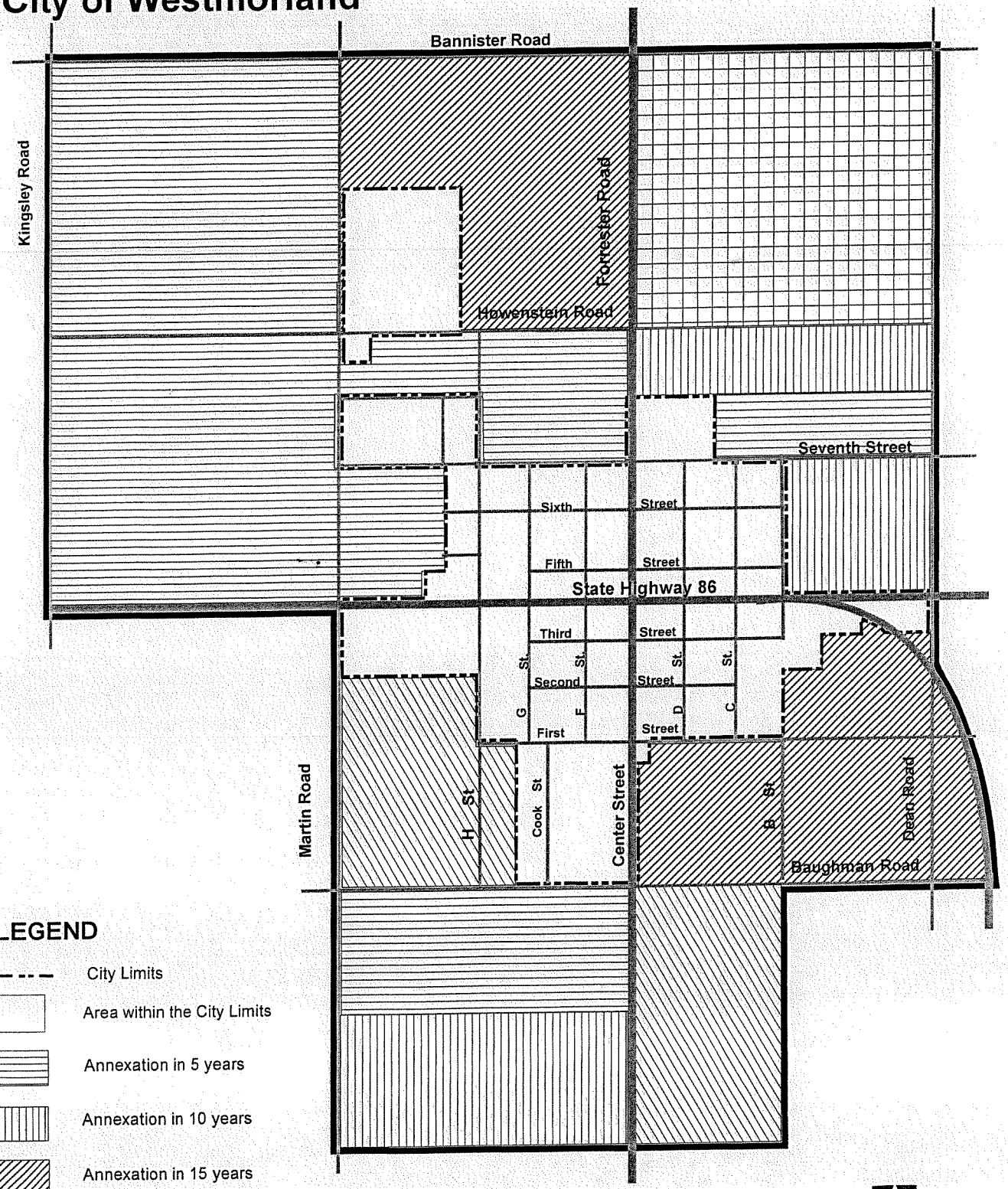
Beyond 20 Years -

This area is anticipated to be annexed into the city beyond a 20-year period. The planned land use designations for this area are low-density residential, high density residential and commercial. The area is currently vacant of development.

The general boundaries for this annexation area consist of:

North boundary line - Bannister Road
South boundary line - Howenstein Road
East boundary line - Dean Road
West boundary line - Forrester Road

City of Westmorland



LEGEND

- City Limits
- Area within the City Limits
- Annexation in 5 years
- Annexation in 10 years
- Annexation in 15 years
- Annexation in 20 years
- Annexation Beyond 20 years

NORTH
NO SCALE
NOTE: ALL LOCATIONS APPROXIMATE

Hofman Planning Associates

Annexation Phasing
Exhibit 2

III. LAND USE SURVEY

A land use survey was conducted for all areas within the city limits and sphere of influence. The land use survey determined all existing uses of land within these areas and was used to develop the residential and nonresidential build out projections.

The city of Westmorland General Plan land use designations were used to determine the future development potential for all vacant and underutilized land.

A. Residential Projections

The residential development projections provide the anticipated future residential development based on the most current land use designations. The land use designations for the sphere of influence are based on the current city of Westmorland General Plan and recommendations from city consultant Karen Crampton. Projections can be found on Exhibit 3, page 27 of this document.

The information used for the build out and land use analysis was obtained from assessor parcel maps, the city of Westmorland General Plan, an on-site land use survey, and a professional city of Westmorland address map prepared by the Holt Group.

Existing Dwelling Units -

All the existing dwelling units within the sphere of influence were determined during the on-site land use survey and with an address map of the city of Westmorland prepared by the Holt Group. The existing dwelling units included single-family detached dwellings, mobile homes and multi-family residential units.

It was determined through the land use survey that there are 611 existing dwelling units within the city limits and 29 existing dwelling units outside the city limits for a total of 640 existing dwelling units within the entire sphere of influence area.

Based on the person per household rate of 3.417[8] and the existing dwelling units, the current population of the city of Westmorland including its sphere of influence is estimated to be 2,182 persons.

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8 Source: 2000 U.S. Census

Persons per household	x	Existing Dwelling Units	=	Existing Population
3.41	x	640	=	2,182 Persons

Future Dwelling Units -

Future dwelling units were calculated by subtracting the number of existing units from the maximum build out units. Existing units include single-family and multi-family dwelling units as well as mobile home units. The formula used to obtain this figure is as follows:

Build Out D.U.s – Existing D.U.s = **Future Dwelling Units**

The following definitions are helpful in understanding the above formula:

Dwelling Unit - Home/house/living unit.

Single-Family – A building or structure that contains only one dwelling unit.

Mobile Home – A factory-built home equipped with all of the basic amenities of a conventional home, which can be moved to its site by vehicle.

Multi-Family – A residential structure or building that contains more than one dwelling unit.

The following table identifies the densities per acre that are allowed for each land use designation[9]:

LAND USE DESIGNATION	GENERAL PLAN DWELLING UNITS PER ACRE RANGE	VACANT BUILD OUT DENSITY PER ACRE
Low Density Residential	1.1 – 4.0	4
Medium Density	4.1 – 12.0	12
High Density	12.1 - 30	30

According to Table 2 on page 28, the city has the capacity for the development of 325 additional future dwelling units within the current city limits. The land outside of the city limits, represented on Table 3 on page 28, has the capacity to host 4,674 additional future dwelling units. The total of additional future dwelling units for all areas within and outside the city limits is estimated at 4,999 units.

9 Source: City of Westmorland General Plan and a conversation with Joel Hamby in March, 2004.

Build Out Dwelling Units -

The total dwelling unit capacity at build out was determined in a lot-by-lot analysis, multiplying total individual lot acres by their designated vacant build out density as follows:

Total Acres x Vacant Build Out Density/Acre = **Total Build Out Dwelling Units**

Within the city limits, Westmorland has a build out capacity of 940 dwelling units. Outside the city limits, the build out capacity is 5,661 dwelling units, for a total of 6,601 dwelling units within the entire sphere of influence. The build out population of Westmorland's sphere of influence is estimated to total 22,508 persons.

Tables 2, 3, and 4 on page 28 each illustrate the results of the land use survey and the residential build out projections.

Table 2 Residential Build Out Projections - Area Within City Limits

Land Use Category	Total Acres	Vacant Build Out Density (d.u.s/ac)	Future Dwelling Units	Existing Dwelling Units	Buildout Dwelling Units (*Note 2*)	Current Population	Build Out Population (*Note 1*)
Low Density (R-1)	107	4	104	423	527	1,442	1,797
Medium Density (R-2)	24	12	140	112	256	382	873
High Density (R-4)	5	30	81	76	157	259	535
TOTALS:	**136**		**325**	**611**	**940**	**2,084**	**3,205**

Table 3 Residential Build Out Projections – Area Outside City Limits

Land Use Category	Total Acres	Vacant Build Out Density (d.u.s/ac)	Future Dwelling Units	Existing Dwelling Units	Buildout Dwelling Units (*Note 2*)	Current Population	Build Out Population (*Note 1*)
Low Density (R-1)	679	4	1,711	29	2,698	99	9,199
Medium Density (R-2)	9	12	108	0	108	0	368
High Density (R-4)	95	30	2,855	0	2,855	0	9,736
TOTALS:	**784**		**4,674**	**29**	**5,661**	**99**	**19,303**

Table 4 Residential Build Out Projections – Sphere of Influence

Land Use Category	Total Acres	Vacant Build Out Density (d.u.s/ac)	Future Dwelling Units	Existing Dwelling Units	Buildout Dwelling Units (*Note 2*)	Current Population	Build Out Population (*Note 1*)
R-1	786	4	1,815	452	3,225	1,541	10,996
R-2	33	12	248	112	364	382	1,241
R-4	101	30	2,936	76	3,012	259	10,271
TOTALS	**919**		**4,999**	**640**	**6,601**	**2,182**	**22,508**

Note 1 Average household size is assumed to be 3.41. Source: 2000 Census Demographic Profiles for Westmorland, CA.

Note 2 Buildout dwelling units were determined in a lot by lot analysis.

B. Nonresidential Projections

Nonresidential build out projections predict future growth of those areas containing industrial and commercial land use designations. The nonresidential development projections provide a listing of the existing, future and build out square footage within the city limits and the sphere of influence area. The methodology for obtaining existing and future nonresidential square footage is similar to that of the residential projections.

Existing Nonresidential Square Footage

Existing nonresidential square footage was calculated by applying a coverage factor of 40% to all developed land designated for commercial and industrial uses. The existing nonresidential square footage within the city limits is estimated to be 508,404 square feet. Designated commercial land accounts for 297,472 existing square feet of building space, and 210,932 square feet are designated as industrial land. Developed (or existing) nonresidential square footage outside city limits is estimated to be 267,289 square feet, all of which exists on industrially zoned land.

Future Nonresidential Square Footage

Similar to the process of determining the existing nonresidential square footage, a coverage factor was used to determine future nonresidential square footage on vacant and underutilized property. The vacant coverage factor for commercial and industrial uses for future development is 30%. The reason for the reduction from 40% for existing development and 30% for future development is that a coverage factor of 30% accounts for reductions of buildable land area for street dedications and other utility or land dedications. In other words, 40% coverage is used on acreage where street improvements have already been installed, whereas 30% coverage is used on acreage where street dedications and improvement have not been made. The future nonresidential square footage within the city limits is estimated to be 96,050 square feet, with approximately 63,380 square feet designated as commercial land and the remaining 32,670 square feet designated as industrial. The future nonresidential square footage outside the city limits is estimated to be approximately 5,009,073 square feet - 2,398,421 square feet of commercial square footage and 2,610,651 industrial.

Nonresidential Build Out Square Footage

Combining the existing nonresidential inventory with the future nonresidential projections, the total nonresidential build out projections were determined. The build out calculation for commercial land within city limits is 360,852 square feet; build out for industrial land within the city limits is 243,602 square feet. Outside city limits, build out projections for commercial and industrial land are 2,398,421 and 2,877,941 respectively. The total build out nonresidential square footage within the entire sphere of influence is estimated to be 5,880,816 square feet - 2,759,273 square feet commercial and 3,121,543 square feet of industrial.

Tables 5 through 9 on the following pages provide the results of the land use survey and the nonresidential build out projections.

Table 5 Commercial Build Out Projections - Area Within City Limits

Total Acres	Vacant/Underutilized Acres	Existing Coverage	Assumed Vacant Coverage	Existing Square Footage	Future Potential Square Footage	Build Out Square Footage
22	5	40%	30%	297,472	63,380	360,852

Table 6 Commercial Build Out Projections – Area Outside City Limits

Total Acres	Vacant/Underutilized Acres	Existing Coverage	Assumed Vacant Coverage	Existing Square Footage	Future Potential Square Footage	Build Out Square Footage
184	184	40%	30%	0	2,398,421	2,398,421

Table 7 Industrial Build Out Projections – Within City Limits

Total Acres	Vacant/Underutilized Acres	Existing Coverage	Assumed Vacant Coverage	Existing Square Footage	Future Potential Square Footage	Build Out Square Footage
16	4	40%	30%	210,932	32,670	243,602

Table 8 Industrial Build Out Projections – Outside City Limits

Total Acres	Vacant/Underutilized Acres	Existing Coverage	Assumed Vacant Coverage	Existing Square Footage	Future Potential Square Footage	Build Out Square Footage
215	200	40%	30%	267,289	2,610,651	2,877,941

Table 9 Nonresidential Build Out Projections - Sphere of Influence

	Total Acres	Vacant/Underutilized Acres	Existing Coverage	Assumed Vacant Coverage	Existing Square Footage	Future Potential Square Footage	Build Out Square Footage
Commercial	205	188	40%	30%	297,472	2,461,801	2,759,273
Industrial	231	204	40%	30%	478,222	2,643,321	3,121,543
TOTALS:	**437**	**392**			**775,694**	**5,105,122**	**5,880,816**

ADMINISTRATIVE FACILITIES

I. PERFORMANCE STANDARD

It was determined that, at that time that this Service Area was prepared, the building area available for administrative facilities was efficient and appropriate. The performance standard for administrative facilities is 900 square feet per 1,000 population.

II. FACILITY PLANNING AND ADEQUACY ANALYSIS

This analysis provides an inventory of the existing City Administrative Facilities owned by the city of Westmorland, the existing and future demand for facilities as well as a projected phasing schedule. The purpose of this analysis is to determine if the existing facilities are adequate and to identify approximately when additional facilities will be needed in order to meet future demand.

A. Inventory of Existing Facilities

Westmorland's City Hall is located at 355 South Center Street. The building is 2,700 square feet, while the existing administrative facilities consist of a total of 2,000 square feet. This square footage is broken down as follows:

City Hall Total	2,700 sq. ft.
Police Station	- 700 sq. ft.
Administrative	2,000 sq. ft.

B. Adequacy of Existing Facilities

The existing administrative facilities are currently adequate[10].

10 Source: City of Westmorland, telephone conversation, May 27, 2004.

C. Future Demand for Facilities

Using the existing performance standard formula, the city of Westmorland will need 8,256 square feet of administrative space by the year 2025.

5,763 Future 2025 population x 900 sq.ft./1,000 population = **8,256 square feet**

D. Opportunities for Shared Facilities

The city of Westmorland currently provides for its entire city administrative needs using 3 full-time and 3 part-time employees. They include one elected City Clerk, two appointed Deputy Clerks, an elected City Treasurer, and one cleaner. Assistance from other jurisdictions for administrative services is not provided.

There are staff members who provide their expertise in public facilities and services that are outside of the administrative services arena, including circulation, water and wastewater. For example, certain contract employees will complete tasks that are not a part of their administrative services, but are directly related to the specific needs of various public services that the city provides. These tasks are funded through the individual budgets of the various departments for which the tasks are being completed. This method of cross-utilization is an efficient use of existing resources especially for small jurisdictions such as Westmorland.

E. Phasing

The following represents the square footage demand for administrative facilities for next 20 years in five-year increments. The table on page 38 provides a yearly demand for administrative facilities.

- 2005 - 2,731 sq. ft.
- 2010 - 5,954 sq. ft.
- 2015 - 6,721 sq. ft.
- 2020 - 7,488 sq. ft.
- 2025 - 8,256 sq. ft.

III. MITIGATION

On a yearly basis, the city of Westmorland should review the facilities provided against the demand for facilities based on the performance standard. Additional facilities should be provided on an as needed basis.

Recommendations:

A. On a yearly basis, the city of Westmorland shall review the facilities provided against the demand for facilities based on the performance standard.

B. By the year 2009 (4 year time period), a minimum of additional square feet of administrative building space will be needed to meet future demand and maintain the city's performance standard.

IV. FINANCING

The current revenue sources for administrative facilities include property and sales taxes, licenses and permits, fine and penalties, charges for services and other miscellaneous sources.

A. Per Capita Costs

The per capita cost is the amount that must be provided from the city's General Fund to cover the costs not paid for by other funding sources. The current annual General Fund cost identified in the 2004-2005 city of Westmorland Budget is approximately $196,950 for the continued operation of administrative facilities. Using the city's current population, the per capita cost is $90.24.

$196,950 / 2,182 population = **$90.24 per capita**

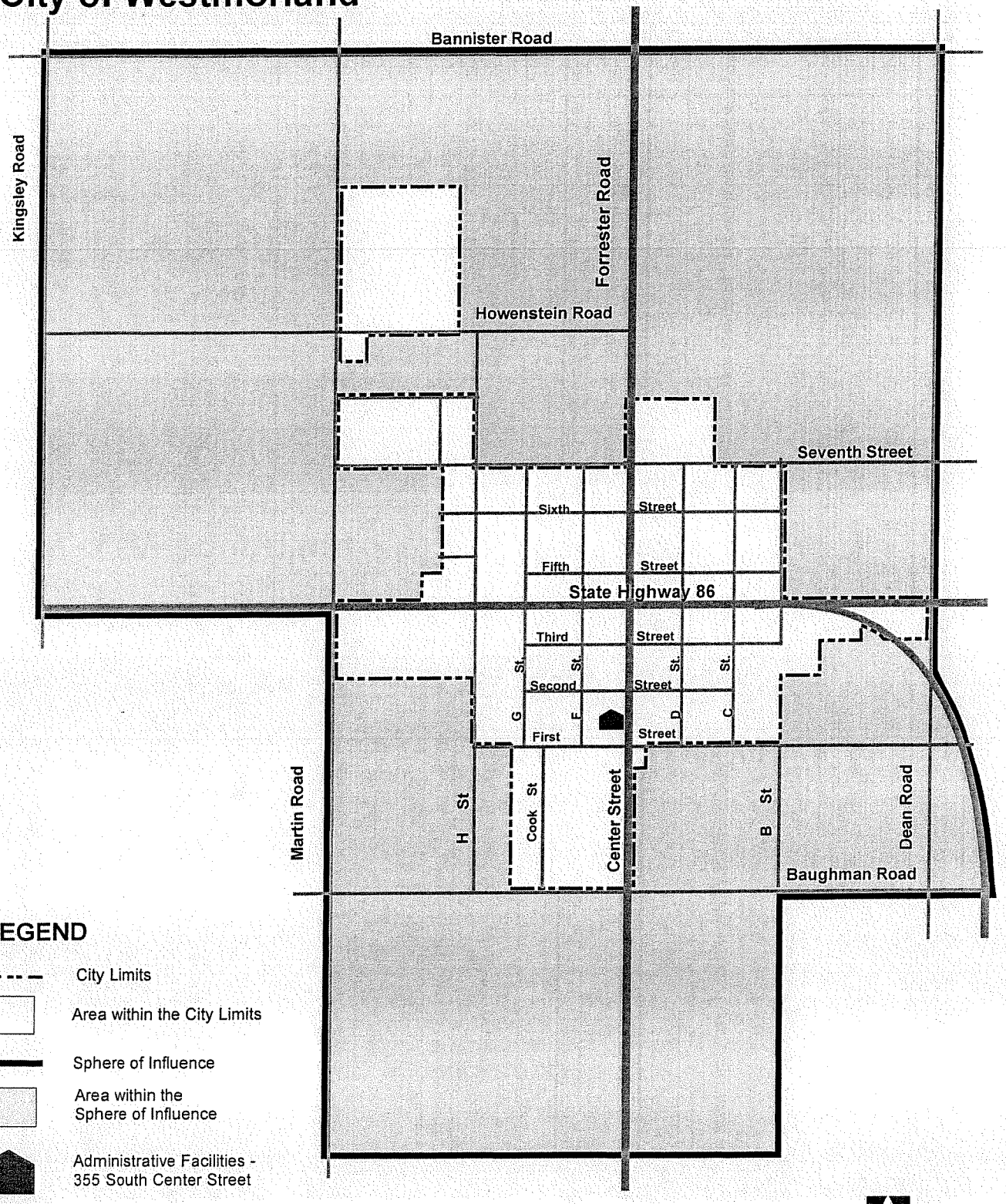
A cost estimate for future continued maintenance and operation of administrative facilities is illustrated in Table 11 on page 39. This table assumes a constant per capita cost of $90.24. The table projects cost up to the year 2025.

B. Future Funding Sources

The city of Westmorland will continue to use the existing funding sources for the maintenance and operation of city administrative facilities. However, due to the future growth anticipated other funding sources for capital improvements will be needed.

Funding sources available include general obligation bonds, development impact fees or a citywide community facilities district. Further descriptions of the financing mechanisms are provided in the *Facility Financing* section beginning on page 109.

City of Westmorland



LEGEND

- City Limits
- Area within the City Limits
- Sphere of Influence
- Area within the Sphere of Influence
- Administrative Facilities - 355 South Center Street

NORTH
NO SCALE
NOTE: ALL LOCATIONS APPROXIMATE

Hofman Planning Associates

Administrative Facilities Location Map
Exhibit 4

Table 10 Demand for Administrative Facilities

Year	Projected Population	Square Footage Demand
Existing	2,182	2,000
2005	**3,035**	**2,731**
2006	3,887	3,499
2007	4,740	4,266
2008	5,592	5,033
2009	6,445	5,800
2010	**6,615**	**5,954**
2011	6,786	6,107
2012	6,956	6,261
2013	7,127	6,414
2014	7,297	6,568
2015	**7,468**	**6,721**
2016	7,638	6,875
2017	7,809	7,028
2018	7,979	7,181
2019	8,150	7,335
2020	**8,320**	**7,488**
2021	8,491	7,642
2022	8,661	7,795
2023	8,832	7,949
2024	9,002	8,102
2025	**9,173**	**8,256**

Table 11 Cost Estimate for Future Administrative Services

Year	Projected Population	Cost
Existing	2,182	$196,950
2005	**3,035**	**$273,884**
2006	3,887	$350,817
2007	4,740	$427,751
2008	5,592	$504,684
2009	6,445	$581,618
2010	**6,615**	**$597,005**
2011	6,786	$612,391
2012	6,956	$627,778
2013	7,127	$643,165
2014	7,297	$658,552
2015	**7,468**	**$673,938**
2016	7,638	$689,325
2017	7,809	$704,712
2018	7,979	$720,098
2019	8,150	$735,485
2020	**8,320**	**$750,872**
2021	8,491	$766,259
2022	8,661	$781,645
2023	8,832	$797,032
2024	9,002	$812,419
2025	**9,173**	**$827,805**

DRAINAGE FACILITIES

I. PERFORMANCE STANDARD

Conformance with the city of Westmorland design guidelines for storm water runoff and management, NPDES requirements, any requirements of the Federal Emergency Management Agency and the requirements established by the Imperial Irrigation District for storm water runoff.

II. FACILITY PLANNING AND ADEQUACY ANALYSIS

A. Inventory of Existing Facilities

The city of Westmorland's storm water drainage facilities include primarily surface drainage except for one 8 inch, 800-foot drainpipe on Cook Street.

B. Adequacy of Existing Facilities

According to Joel Hamby, Executive Director of Public Works[11], the current system provides adequate conveyance of storm water for events up to the 100-year storm.

C. Future Demand for Facilities

As future development occurs, storm water drainage systems may be installed to ensure adequate removal of runoff. The design of the future systems will be dependent upon the type and the extent of the development proposed. An increase in the amount of impervious surfaces will result in a greater amount of surface runoff. The exact size and location of future facilities will be determined at the time development is proposed and processed through the city of Westmorland. Any future development must comply with IID policies regarding retention of storm water to reduce the impacts to the IID drains. Future facilities must be designed to adhere to the latest pollution control devices and NPDES requirements.

---

11 Source: Joel Hamby, Executive Director of Public Works, June 1, 2004.

D. Opportunities for Shared Facilities

As development occurs, the need for a more complex drainage system may become apparent. The city of Westmorland should work in conjunction with the Imperial Irrigation District to create a system that is capable of handling the run off from developing urban areas.

E. Phasing

The construction of future storm water drainage facilities is based on the rate of new development within the city of Westmorland. The anticipated future development areas over a 20-year period are identified on Exhibit 2 on page 23.

III. MITIGATION

The city of Westmorland should continually monitor the existing storm drain system to ensure the facilities are operating at an adequate level.

Recommendations:

A. The city of Westmorland should consider the requirement that all future development shall construct storm drain facilities in accordance with the design standards of the Engineering Department and the IID necessary to convey storm water into existing drains managed by IID.
B. Future development may be required to retain storm water on-site or within existing retention basins to restrict storm water flow into IID facilities in accordance with the IID policies.
C. All future development shall ensure compliance with all state and federal rules and regulations related to the discharge of storm water.
D. All development shall provide improvements constructed pursuant to best management practices as referenced in the "California Storm Water Best Management Practices Handbook"

IV. FINANCING

Future storm water drainage facilities will be installed at the developer's expense at the time of construction. Maintenance of existing and future public drainage facilities will be financed by the city of Westmorland's General Fund.

The current revenue sources for storm water drainage facilities include property and sales taxes, licenses and permits, charges for services and other miscellaneous sources.

A. Per Capita Costs

Since the city of Westmorland's yearly budget does not segregate out the maintenance and operation cost for storm drain facilities, an average per capita cost for the continued maintenance and operation of the storm water drainage system could not be accurately determined. However, based on the public works expenditure section of the 2004 - 2005 budget, it is assumed that 25% of the expenditure will be for drainage operation and maintenance. It is estimated that approximately $4,625 per year is spent on maintenance and operation. The amount fluctuates depending on the amount of rain that is received. The public works crews monitor the flow within the drainage ditches, make minor repairs and clean the ditches on an as needed basis.

Using the city's current population and the estimated $4,625 per year amount for maintenance and operation, the per capita cost for drainage facilities is assumed to be $2.12 .

$4,625/ 2,182 population = **$2.12 per capita**

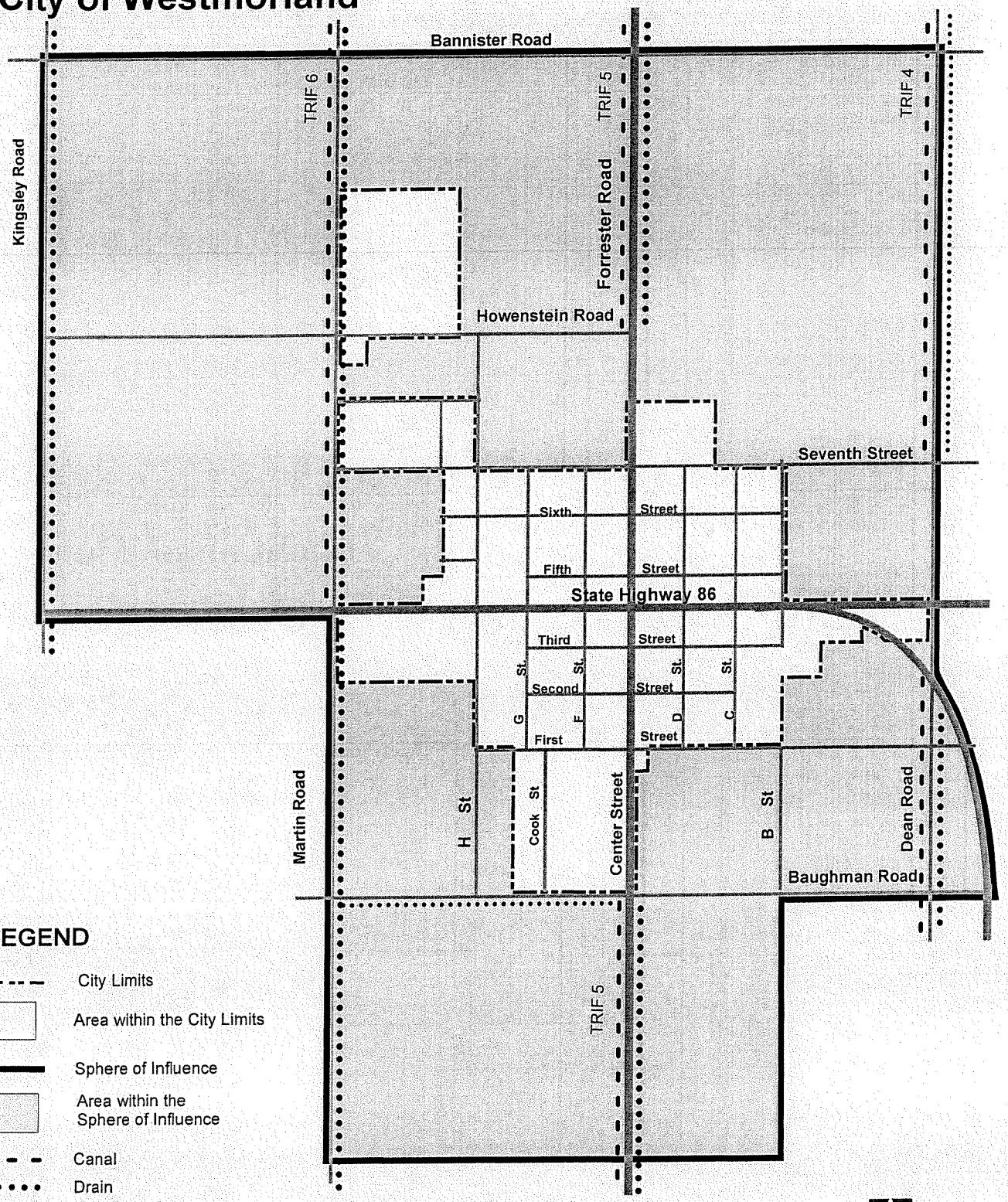
A cost estimate for future continued maintenance and operation of the storm water drainage facilities is provided in Table 12 on page 44. These estimations assume a constant cost per capita in the year 2004 dollars and the provided population projections.

B. Future Funding Sources

The city of Westmorland will continue to use the existing funding sources for the maintenance and operation of city storm water drainage facilities. However, due to the future growth anticipated other funding sources for capital improvements will be needed.

Other funding sources available are a citywide community facilities district, special assessment districts, and/or development impact fees. Further descriptions of these and other financing mechanisms are provided in the *Facility Financing* section beginning on page 109.

City of Westmorland



Hofman Planning Associates

Drainage Facilities
Exhibit 5

Table 12 Cost Estimate for Drainage Maintenance

Year	Projected Population	Cost
Existing	2,182	$4,625
2005	**3,035**	**$6,432**
2006	3,887	$8,238
2007	4,740	$10,045
2008	5,592	$11,852
2009	6,445	$13,658
2010	**6,615**	**$14,020**
2011	6,786	$14,381
2012	6,956	$14,742
2013	7,127	$15,104
2014	7,297	$15,465
2015	**7,468**	**$15,826**
2016	7,638	$16,188
2017	7,809	$16,549
2018	7,979	$16,910
2019	8,150	$17,271
2020	**8,320**	**$17,633**
2021	8,491	$17,994
2022	8,661	$18,355
2023	8,832	$18,717
2024	9,002	$19,078
2025	**9,173**	**$19,439**

Note:
Estimates are based on current cost per capita in the year 2004 dollars.

FIRE FACILITIES

I. PERFORMANCE STANDARD

The city of Westmorland Fire Department monitors the demand on fire protection facilities and services. Currently the fire department provides response times of approximately 4 minutes[12]. Therefore, the performance standard necessary to maintain the current level of service shall not exceed a response time of 4 minutes.

II. FACILITY PLANNING AND ADEQUACY ANALYSIS

The fire department currently operates with 22 volunteers and one part-time fire chief. It serves the areas within the city limits and Imperial County. Currently, the city of Westmorland is in a contracted agreement with the County of Imperial to receive certain fire protection equipment in exchange for their fire protection services. The details of the contract are outlined in the Agreement for Fire Protection Services in Appendix B of this document.

A. Inventory of Existing Facilities

The County of Imperial, through the Office of the County Fire Chief, leases fire protection equipment to the city of Westmorland on an annual contractual basis. In exchange for equipment, the city provides fire protection services to the county[13].

The city has:

- One (1) Rescue Squad
- Three (3) Engines
- One (1) Car
- One (1) Truck
- 12,000 square foot fire station
- 1 Fire Chief
- 1 Assistant Chief
- 2 Captains
- 6 Emergency Medical Technicians
- 10 Firefighters
- 3 Reserves
- One Records Clerk

12 Source: Mr. Sergio Cruz, Fire Chief, December 16, 2004.
13 See Agreement for Fire Protection Services in Appendices.

B. Adequacy of Existing Facilities

Westmorland's Fire Department currently provides a level of service that adequately serves their community's needs[14]. Personnel consist of one part time fire chief and 22 volunteers.

C. Future Demand for Facilities

As development continues to occur, more personnel and building square footage will be needed in order to maintain the performance standard. According to the Fire Chief, in the year 2005, the Fire Department will need to acquire approximately three full time employees including a fire chief and two firefighters with EMT certification[15]. After these employees are hired, the number of volunteers could be reduced to 15. The current 12,000 square foot building is estimated to be adequate through the year 2024. By the year 2025, the fire department will need 24,000 square feet of building space and a total of 6 full time fire fighters. Other items needed in the future include:

- 1 New Engine
- 1 New Rescue Unit
- Public Safety Building

D. Opportunities for Shared Facilities

Opportunities for shared facilities currently exist with implementation of the *Imperial Valley Fire Service and Rescue Mutual Aid Plan*. This Plan is to ensure that emergency needs will be met throughout the valley. The intent of the mutual aid plan is "to meet the anticipated needs of local agencies within their zones, to access resources of adjacent agencies within the area of the County, and to access the resources of other jurisdictions within Region VI, or beyond if necessary, to meet the needs of emergency incidents."

Also, the city is contemplating the development of a public safety building[16]. This building would combine both police and fire facilities. Talks about such a facility have been preliminary; therefore, details of this proposal are not available at this time.

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14 Source: Letter from the Westmorland Fire Department, March 2, 2004.
15 Source: Conversation with Mr. Sergio Cruz, Westmorland Fire Chief, December 16, 2004.
16 Source: Suggested during a meeting with city staff, March 2004

E. Phasing

As the city's population increases, additional fire department staff shall be hired when necessary in order to meet the demand created by future development. The following represents the demand for fire protection services for the next 20 years in 5-year increments[17].

- 2005 - 3 Firefighters / 15 Paramedics / 12,000 Sq.Ft.
- 2010 - 3 Firefighters / 15 Paramedics / 12,000 Sq.Ft.
- 2015 - 3 Firefighters / 15 Paramedics / 12,000 Sq.Ft.
- 2020 - 3 Firefighters / 15 Paramedics / 12,000 Sq.Ft.
- 2025 - 6 Firefighters / 15 Paramedics / 24,000 Sq.Ft.

The Demand for Fire Protection Services table on page 51 shows the demand for fire protection facilities over a twenty-year planning period with each five-year increment in bold.

At this time, a master plan for fire protection facilities has not been prepared by the fire department. A precise analysis of future needs for additional fire fighting equipment and another fire station have yet to be determined.

III. MITIGATION

The city of Westmorland and the County fire department should continually monitor the existing fire department facilities and response times to ensure that adequate fire protection is provided.

Additional Recommendations:

A. Fire protection facilities and personnel should be incrementally added as demand increases.
B. A joint public safety building housing police and fire personnel should be considered.
C. All major developments proposed within the city of Westmorland shall be forwarded to the fire department for review and comments.
D. Adequate fire flows shall be provided for all development projects.
E. A Master Plan for Fire Protection Facilities should be prepared prior to the expiration of the current fire protection services contract.

17 Source: Conversation with Sergio Cruz, Westmorland Fire Chief, December 16, 2004.

IV. FINANCING

A primary source of revenue for fire facilities comes from the county of Imperial. Westmorland is in contract with Imperial County for fire protection and emergency medical services through 2004. The county pays the city a yearly fee in exchange for fire fighting services rendered. According to the agreement for fire protection services between the two parties, the sum paid to the city in 2003 was $45,495 , and the sum owed to the city for 2004 is $46,632 . A new agreement will be needed by January 1, 2005 as the current contract expires December 31, 2004. Other sources of funding for this department come from Fire Department revenues and miscellaneous revenues.

A. Per Capita Costs

The total funding for the Westmorland Fire Department as stated in the 2004-2005 budget is $47,260 Approximately $46,632 of these funds come from the county of Imperial, the remainder come from "Interest Earned" and "Other Revenue". The revenue and expenses for the 2004 - 2005 fiscal year balance, therefore not requiring any subsidies from the General Fund.

In the near future, there will be a need to hire two full-time fire fighter/EMTs and a Fire Chief. According to Mr. Sergio Cruz, Westmorland Fire Chief, there will be an additional cost of $12,000 per year needed to support the full time employees. Therefore, we have determined the per capital cost for the additional employees to be dividing that by the current total population we obtain per capita cost:

$12,000.00 / 2,182 = **$3.95 per capita**

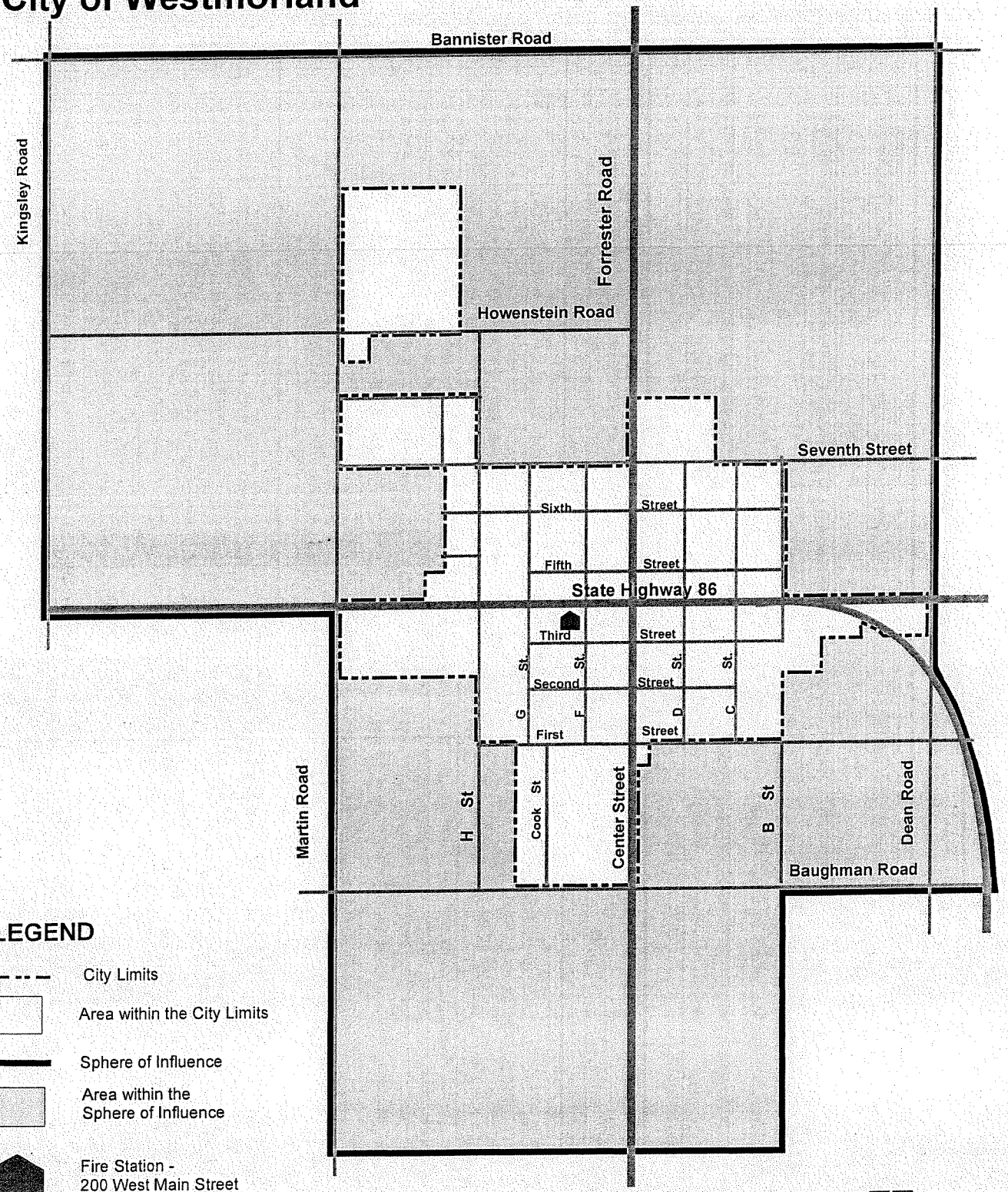
A cost estimate for future fire facilities is provided in the table on page 52 of this report. These estimates were calculated by utilizing the existing per capita costs to determine future costs based on population projections.

B. Future Funding Sources

The city of Westmorland will continue to use the existing funding sources and continue the contracting of fire protection services through the Imperial County Fire Department. The city should consider the collection of development impact fees as a means to fund future fire protection capital improvements due to the demand created by future development.

Other funding sources available include a Fire Suppression Assessment, formation of a citywide Community Facilities District, or grant funding. Further descriptions of these and other financing mechanisms are provided in the *Facility Financing* section beginning on page 109.

City of Westmorland



LEGEND

- City Limits
- Area within the City Limits
- Sphere of Influence
- Area within the Sphere of Influence
- Fire Station - 200 West Main Street

NORTH
NO SCALE
NOTE: ALL LOCATIONS APPROXIMATE

Hofman Planning Associates

Fire Facilities Location Map
Exhibit 6

Table 13 Demand for Fire Protection Services

Year	Projected Population	No. of Firefighters/ EMTs	No. of Volunteers	Square Footage
Existing	2,182	1	22	12,000
2005	**3,035**	3	**15**	12,000
2006	3,887	3	15	12,000
2007	4,740	3	15	12,000
2008	5,592	3	15	12,000
2009	6,445	3	15	12,000
2010	**6,615**	**3**	**15**	**12,000**
2011	6,786	3	15	12,000
2012	6,956	3	15	12,000
2013	7,127	3	15	12,000
2014	7,297	3	15	12,000
2015	**7,468**	**3**	**15**	**12,000**
2016	7,638	3	15	12,000
2017	7,809	3	15	12,000
2018	7,979	3	15	12,000
2019	8,150	3	15	12,000
2020	**8,320**	**3**	**15**	**12,000**
2021	8,491	3	15	12,000
2022	8,661	3	15	12,000
2023	8,832	3	15	12,000
2024	9,002	3	15	12,000
2025	**9,173**	**6**	**15**	**24,000**

Projections were based on a conversation with Sergio Cruz, Westmorland Fire Chief, December 15, 2004.

Table 14 Cost Estimate for Future Fire Protection Services

Year	Projected Population	Cost
Existing	2,182	$0.00
2005	**3,035**	**$12,000.00**
2006	3,887	$15,370.79
2007	4,740	$18,741.57
2008	5,592	$22,112.36
2009	6,445	$25,483.15
2010	**6,615**	**$26,157.30**
2011	6,786	$26,831.46
2012	6,956	$27,505.62
2013	7,127	$28,179.78
2014	7,297	$28,853.93
2015	**7,468**	**$29,528.09**
2016	7,638	$30,202.25
2017	7,809	$30,876.40
2018	7,979	$31,550.56
2019	8,150	$32,224.72
2020	**8,320**	**$32,898.88**
2021	8,491	$33,573.03
2022	8,661	$34,247.19
2023	8,832	$34,921.35
2024	9,002	$35,595.51
2025	**9,173**	**$36,269.66**

LAW ENFORCEMENT

I. PERFORMANCE STANDARDS

The law enforcement performance standards for the city of Westmorland are 2.3 officers per 1,000 people and 140 square feet of building area per employee. These performance standards are based on existing facilities.

II. FACILITY PLANNING AND ADEQUACY ANALYSIS

The city of Westmorland's Police Department is located at 355 South Center Street. It is located within the Westmorland City Hall. The police department generally has one police officer on duty per shift. Service calls are received directly by officers on duty at the police department and are recorded on a daily log.

A. Inventory of Existing Facilities

According to an inventory provided by the Westmorland Police Department, the following existing law enforcement facilities and personnel currently exist:

- 1 Police Chief
- 2 Corporals
- 2 Patrol Officers
- 700 square feet of building
- 4 marked squad vehicles

B. Adequacy of Existing Facilities

The current service level was calculated as follows:

Performance Standard / 1,000 population x Current Population = **Current Demand**
2.3 officers/1,000 population x 2,182 current population = **5 Sworn Officers**

Performance Standard x Existing Personnel = **Current Demand**
140 Sq. Ft. of Building Area x 5 full-time personnel = **700 Sq. Ft.**

The current level of service provided by the Westmorland Police Department is adequate[18].

18 Source - Mr. Fred Beltran, Chief of Police, Westmorland Police Department

C. Future Demand for Facilities

The city is estimated to have a population of 9,173 people by the year 2025. Using the performance standard, the city will need 21 sworn officers and 17 patrol vehicles to meet the 2005's demand. An additional 2,242 square feet of building square footage will also be needed by 2025. The future demand for law enforcement facilities is provided on Table 15 on page 59.

According to Westmorland's Chief of Police (2004), although services provided by the Westmorland Police Department are adequate, there is currently a demand for more facilities[19]:

- 1 Police Officer
- 1 Traffic Regulation Vehicle
- 1 Unmarked Patrol Car
- Building Space

Currently, the police department is located within the City Hall. There is no more space available within the building for police facilities to expand into, and expansion of the building itself is not possible because it is a state landmark. According to the Chief of Police, more floor space is needed for office space and a holding cell/interview room.

D. Opportunities for Shared Facilities

The city of Westmorland maintains its own Police Department. There are preliminary indications that a combined police/fire department public safety building is desired. However, no specific details are available at this stage as the creation of the facility is yet uncertain.

E. Phasing

As the city's population increases, additional Police Department staff and patrol vehicles can be added as necessary in order to meet the current level of service standards. The following represents the demand for law enforcement staff, vehicles and square footage for the next 20 years in 5-year increments. As you will read, a new police station is needed by 2005.

19 Source: Fred Beltran, Chief of Police, Westmorland Police Department.

- 2005 - 5 police officers / 6 vehicles / 973 sq. ft.
- 2010 - 15 police officers / 12 vehicles / 2,122 sq. ft.
- 2015 - 17 police officers / 14 vehicles / 2,395 sq. ft.
- 2020 - 19 police officers / 15 vehicles / 2,669 sq. ft.
- 2025 - 21 police officers / 17 vehicles / 2,942 sq.ft.

Table 15 on page 59 provides table showing the demand for law enforcement services phased over a twenty-year planning period with each five-year increment in bold.

Currently, all calls to the Westmorland Police Department are answered by personnel at City Hall during regular business hours. The city is also contracted with the city of Brawley Police Department for dispatching services. However, as the population of the city increases, the department may not be capable of handling the intensification of calls for police services. Therefore, as the population of the city of Westmorland continues to grow, there may be a need for the city to establish dispatching facilities. Dispatching facilities should be considered as a part of a new police station.

III. MITIGATION

Buildings, vehicles and personnel can be added incrementally as demand for police protection services increases with growth.

Recommendations:

A. The city of Westmorland shall continue to monitor the response times for priority calls to ensure adequate public safety.
B. The Police Department shall continue obtaining grants and other funds to combat crime through proactive preventative measures.
C. In 2005, a financing mechanism shall be identified that will enable the city to construct a new police station.

IV. FINANCING

The current revenue sources for police protection services include property and sales taxes from the city's general fund. The 2004-2005 city budget allocated approximately $188,430 for police services from the general fund. Other revenue is derived from special revenue sources including the State C.O.P.S. Grant (1584 COPS Grant), the Local Law Enforcement Block Grant (LLEBG 2000 and LLEBG 2001) and asset forfeitures. The special revenue sources help off-set expenditures from the general fund.

A. Per Capita Costs

The per capita cost is the amount that must be provided from the city's General Fund to cover the costs not paid for by other funding sources. The current annual General Fund cost identified in the 2004-2005 city of Westmorland Budget is approximately $188,430 for police protection services from the city's general fund. Using the city's current population of 2,182, police protection service costs $86.34 per resident. This cost was determined by dividing the funds appropriated from the general fund for police protection services by the existing population.

$188,430 / 2,182 population = **$86.34 per capita**

The Cost Estimate for Future Law Enforcement Services table on page 60 provides a yearly cost for police services based on the current level of service and the 2004-2005 budget.

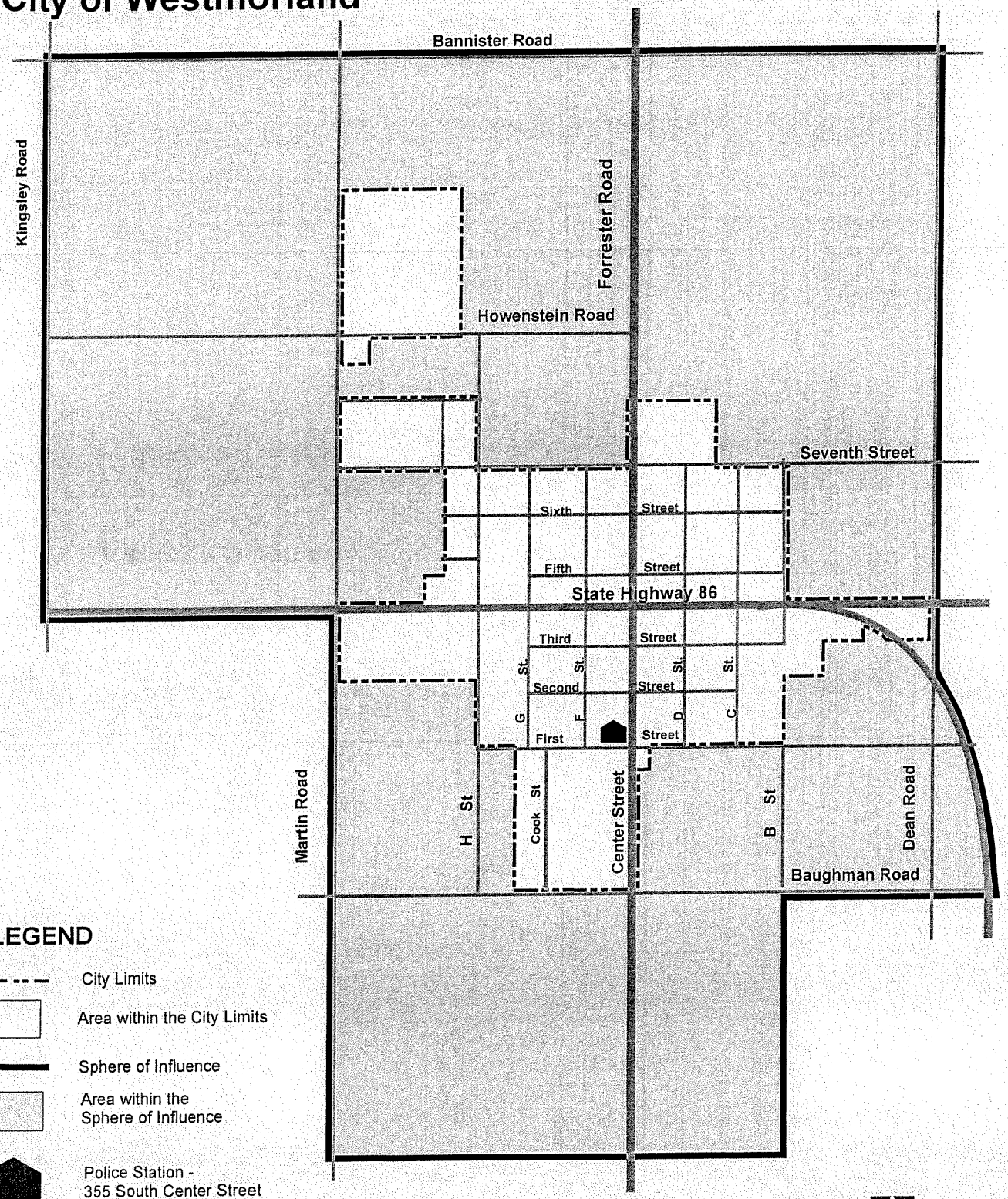
B. Future Funding Sources

The city of Westmorland will continue to use existing funding sources. However, due to the future growth anticipated, other funding sources for a new police station and additional vehicles and equipment will be needed.

The city council should consider development impact fees as a means to assist in the funding of future capital improvements to law enforcement facilities necessary to meet the demand created by future development. A separate development impact fee analysis and implementing ordinances should be prepared and approved.

Further descriptions of these and other financing mechanisms are provided in the *Financing* section beginning on page 109.

City of Westmorland



LEGEND

- City Limits
- Area within the City Limits
- Sphere of Influence
- Area within the Sphere of Influence
- Police Station - 355 South Center Street

NORTH
NO SCALE
NOTE: ALL LOCATIONS APPROXIMATE

Hofman Planning Associates

Law Enforcement Facilities Location Map
Exhibit 7

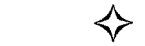
Table 15 Demand for Law Enforcement Services

Year	Projected Population	Sworn Officers	Number of Vehicles	Building Square Footage
Existing	2,182	5	4	700
2005	**3,035**	**7**	**6**	**973**
2006	3,887	9	7	1,247
2007	4,740	11	9	1,520
2008	5,592	13	10	1,794
2009	6,445	15	12	2,067
2010	**6,615**	**15**	**12**	**2,122**
2011	6,786	16	12	2,177
2012	6,956	16	13	2,231
2013	7,127	16	13	2,286
2014	7,297	17	13	2,341
2015	**7,468**	**17**	**14**	**2,395**
2016	7,638	18	14	2,450
2017	7,809	18	14	2,505
2018	7,979	18	15	2,559
2019	8,150	19	15	2,614
2020	**8,320**	**19**	**15**	**2,669**
2021	8,491	19	16	2,723
2022	8,661	20	16	2,778
2023	8,832	20	16	2,833
2024	9,002	21	17	2,888
2025	**9,173**	**21**	**17**	**2,942**

Table 16 Cost Estimate for Future Law Enforcement Services

Year	Projected Population	Cost
Existing	2,182	$188,430
2005	**3,035**	**$262,035**
2006	3,887	$335,641
2007	4,740	$409,246
2008	5,592	$482,852
2009	6,445	$556,457
2010	**6,615**	**$571,178**
2011	6,786	$585,900
2012	6,956	$600,621
2013	7,127	$615,342
2014	7,297	$630,063
2015	**7,468**	**$644,784**
2016	7,638	$659,505
2017	7,809	$674,226
2018	7,979	$688,947
2019	8,150	$703,668
2020	**8,320**	**$718,389**
2021	8,491	$733,110
2022	8,661	$747,832
2023	8,832	$762,553
2024	9,002	$777,274
2025	**9,173**	**$791,995**

LIBRARY FACILITIES



I. PERFORMANCE STANDARD

There is one library within the city located inside of Westmorland Elementary School. The library is county owned and consists of approximately 2,000 square feet. The library adequately serves the public's needs. However, Westmorland would like to develop a city-operated library in the future. It has been suggested that the City Hall be converted to a city library in the future. If this happens, library square footage would equal 2,700 square feet. The equation below illustrates how we obtained the library facilities performance standard.

2,700 Square Feet / 3,205 Population at 2010 x 1,000 = **408 Square Feet per 1,000 Population**

II. FACILITY PLANNING AND ADEQUACY ANALYSIS

The current county library facility is adequate. However, there have been preliminary discussions that the City Hall be converted into a library in the future. If this happens, library square footage would equal 2,700 square feet and adequately serve the needs of the public until the year 2011.

A. Inventory of Existing Facilities

The Westmorland School Library is located at 200 south "C" Street. It is located within Westmorland Elementary School. Included in the facility is a youth section, adult section, card catalog, computer terminal containing 4 computers, study tables and chairs and a washroom. The total approximate size of the library is 2,000 square feet.

B. Adequacy of Existing Facilities

The Westmorland School Library currently serves the needs of the city adequately. However, the city should plan to open a city owned library in the future. Using the performance standard above, there is an 891 square foot deficiency of city owned library space in Westmorland:

2,182 Existing Population x 408 Sq. Ft. /1,000 Population = **891 Square Feet**

C. Future Demand for Facilities

As the city of Westmorland continues to grow, so will the need for library facilities. With a population expected to reach 9,173 by the year 2025, additional library space will be needed to serve the future residents. In order to meet the 2025 demand, a 891 square foot deficiency will have to be corrected and an additional 2,853 square feet of library facilities will be needed.

D. Opportunities for Shared Facilities

Several years ago, a joint arrangement between the County and the City of Westmorland Elementary School was arranged. This library provides service to the community. However, it is not the city's desire to rely on the school district to meet public library needs. There have been preliminary discusstions that a public library could be located in what is currently the City Hall in the future.

E. Phasing

The yearly demand for library facilities is shown on Table 17 on page 65. The yearly demand table provides the square footage needs for Westmorland's library facilities over a twenty-year period with each five-year increment in bold.

- 2005 - 1,239 sq. ft.
- 2010 – 2,700 sq. ft.
- 2015 – 3,048 sq. ft.
- 2020 - 3,396 sq. ft.
- 2025 – 3,744 sq. ft.

III. MITIGATION

The city shall support the continuation of library services as a necessary and desirable community service facility.

Recommendations:

A. The city of Westmorland shall continue efforts to obtain funding in order to provide adequate library services to the residents.

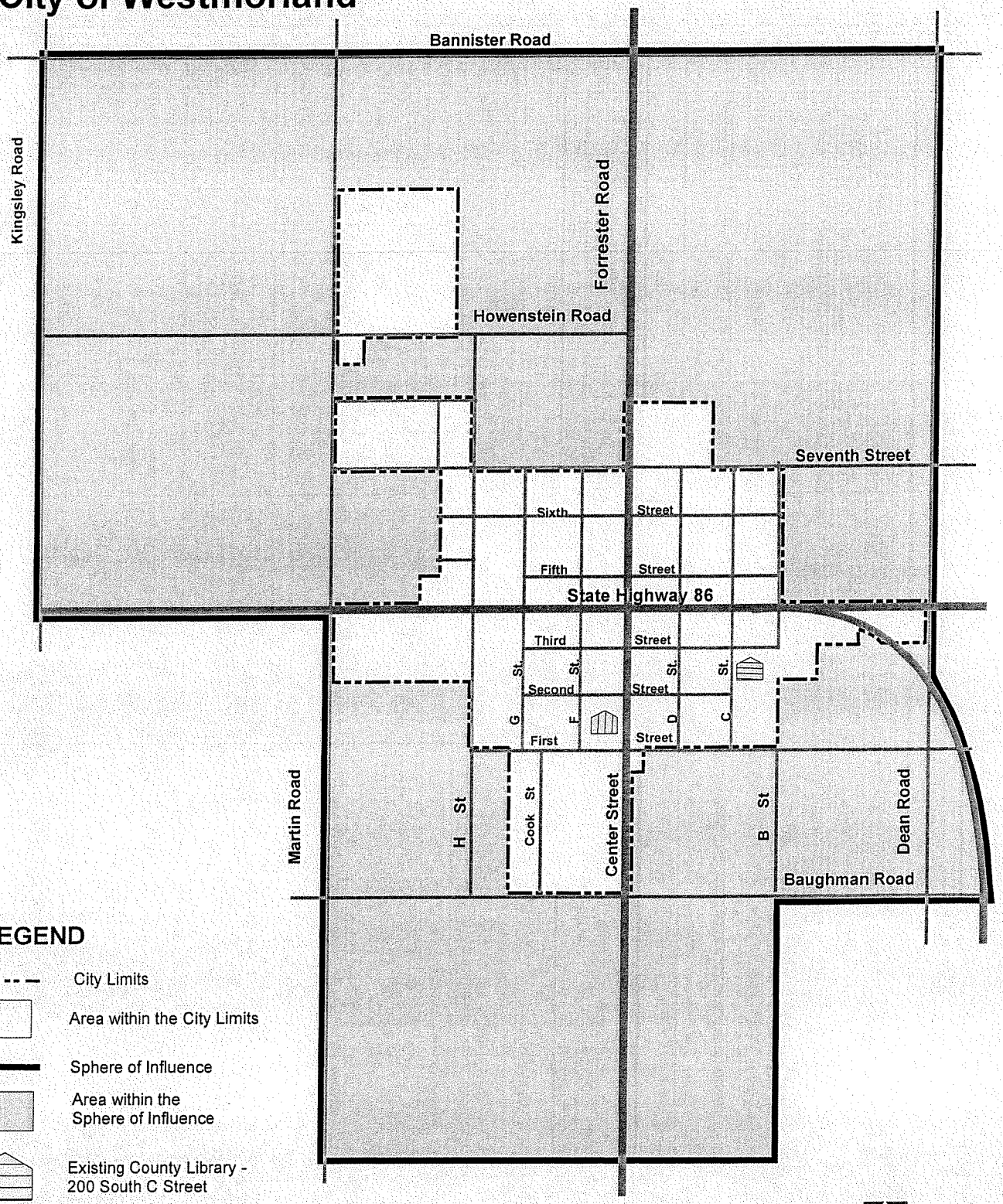
IV. FINANCING

There are no current funding sources for city library facilities.

A. Future Funding Sources

There are several possible funding sources for library facilities such as community facilities district, special assessment district, the California Literacy Campaign Fund, the State Public Library Fund, as well as Community Development Block Grants, development impact fees, and user fees. Further descriptions of these and other financing mechanisms are provided in the *Facility Financing* section beginning on page 109.

City of Westmorland



LEGEND

- City Limits
- Area within the City Limits
- Sphere of Influence
- Area within the Sphere of Influence
- Existing County Library - 200 South C Street
- Proposed City Library - 355 South Center Street

NORTH
NO SCALE
NOTE: ALL LOCATIONS APPROXIMATE

Hofman Planning Associates

Library Location Map
Exhibit 8

Table 17 Demand for Library Services

Year	Projected Population	Square Footage Demand
Existing	2,182	891
2005	**3,035**	**1,239**
2006	3,887	1,587
2007	4,740	1,935
2008	5,592	2,282
2009	6,445	2,630
2010	**6,615**	**2,700**
2011	6,786	2,770
2012	6,956	2,839
2013	7,127	2,909
2014	7,297	2,978
2015	**7,468**	**3,048**
2016	7,638	3,118
2017	7,809	3,187
2018	7,979	3,257
2019	8,150	3,326
2020	**8,320**	**3,396**
2021	8,491	3,465
2022	8,661	3,535
2023	8,832	3,605
2024	9,002	3,674
2025	**9,173**	**3,744**

Table 18 Cost Estimate for Future Library Services

Year	Projected Population	Cost
Existing	2,182	$24,742
2005	**3,035**	**$34,407**
2006	3,887	$44,072
2007	4,740	$53,737
2008	5,592	$63,402
2009	6,445	$73,067
2010	**6,615**	**$75,000**
2011	6,786	$76,933
2012	6,956	$78,866
2013	7,127	$80,799
2014	7,297	$82,732
2015	**7,468**	**$84,665**
2016	7,638	$86,598
2017	7,809	$88,531
2018	7,979	$90,464
2019	8,150	$92,397
2020	**8,320**	**$94,330**
2021	8,491	$96,263
2022	8,661	$98,196
2023	8,832	$100,129
2024	9,002	$102,062
2025	**9,173**	**$103,995**

Note:
Estimates are based on current cost per capita in the year 2004 dollars.

PARK AND RECREATIONAL FACILITIES

I. PERFORMANCE STANDARDS

The ratio that will be used as the park performance standard for the city of Westmorland is 3.0 acres per 1,000 people.

II. FACILITY PLANNING AND ADEQUACY ANALYSIS

The existing public park within the city of Westmorland is owned and operated by the city of Westmorland.

A. Inventory of Existing Facilities

The city of Westmorland currently has 3.0 acres of parkland. City Park, between First and Second Street and east of "F" Street, is 2.0 acres in size. It contains basketball facilities, a youth hall, swimming pool and tot lot. The city has also begun construction on their second park, the Jake James Municipal Sports Park. It is located just north of the intersection of Howenstein and Martin Road. The entire park will consist of approximately 20 acres and is expected to be completed by 2005. Currently, only the soccer fields are available for use and are approximately 1.0 acre. However, at completion, the park will also include two baseball diamonds, a wetland, picnic areas, walking pathways, a concession stand, restroom/maintenance facilities and parking areas.

B. Adequacy of Existing Facilities

Using the performance standard of 3.0 acres per 1,000 people, Westmorland should currently provide at least 6.5 acres of parkland. Since there currently 3.0 acres of useable parkland, this is a deficiency of (3.5) acres. The deficiency is calculated as follows:

2,182 Existing Population x 3.0 Acres / 1,000 Population = **6.5 Acres Park Demand**

3.0 acres of existing parkland - 6.5 acres of demand = **(3.5) Acres Deficient**

C. Future Demand for Facilities

Based on a 2025 population projection of 9,173, the city of Westmorland will need 27.5 acres of recreational open space by the year 2025 in order to be consistent with the performance standard objective stated in this Service Area Plan. This indicates that the city will need to obtain more acres of parkland by the year 2025. These numbers were determined as follows:

3.0 Acres / 1,000 Population x 9,173 population at 2025 = **27.5 Acres of Future Demand**

27.5 Acres of Demand - 3.0 Acres Existing Parkland = **24.5 Additional Acres Needed by 2025**

After the completion of Jake James Municipal Sport Park, the city will have a surplus of parkland through the year 2014.

D. Opportunities for Shared Facilities

The city is contracted with the Westmorland Union Elementary School District for use of the baseball field complex located to the south of Westmorland's Elementary school buildings. Additional discussions may occur between the school district and the city regarding joint use agreements for use of school facilities for recreation purposes. These joint use opportunities should be explored further to ensure adequate park facilities are provided.

E. Phasing

Based on the 3.0 acres per 1,000 population performance standard for parkland, the following represents the demand for parkland acreage for the next 20 years in five-year increments. The table on page 72 provides the demand for future park facilities over a twenty-year period.

- 2005 - 9.1 acres
- 2010 - 19.8 acres
- 2015 - 22.4 acres
- 2020 - 25.0 acres
- 2025 - 27.5 acres

III. MITIGATION

The city of Westmorland should continue to pursue various means by which to obtain and provide for adequate park facilities for the existing and future residents of the city. The following are recommendations to achieve adequacy for park facilities.

Recommendations:

A. Require developers to dedicate parkland.
B. Pursue federal and state grants and aid funds to ensure there are sufficient parks in the future.
C. Complete a Parks Master Plan.

IV. FINANCING

The current revenue sources used to pay for park facilities include property and sales taxes from the general fund as well as user fees for recreational activities and pool use. The city of Westmorland will continue to use these funding sources for the continued maintenance and operation of parks and recreational facilities.

A. Per Capita Costs

The per capita cost is the amount that must be provided from the city's General Fund to cover the costs not paid for by other funding sources. The current annual General Fund cost identified in the 2004-2005 city of Westmorland budget is approximately $18,573 for parks and recreation. Using the city's current population of 2,182, parks and recreation facilities costs $8.51 per resident. This cost was determined by dividing the funds appropriated from the general fund for parks and recreation facilities by the existing population.

$18,573 / 2,182 population = **$8.51 per capita**

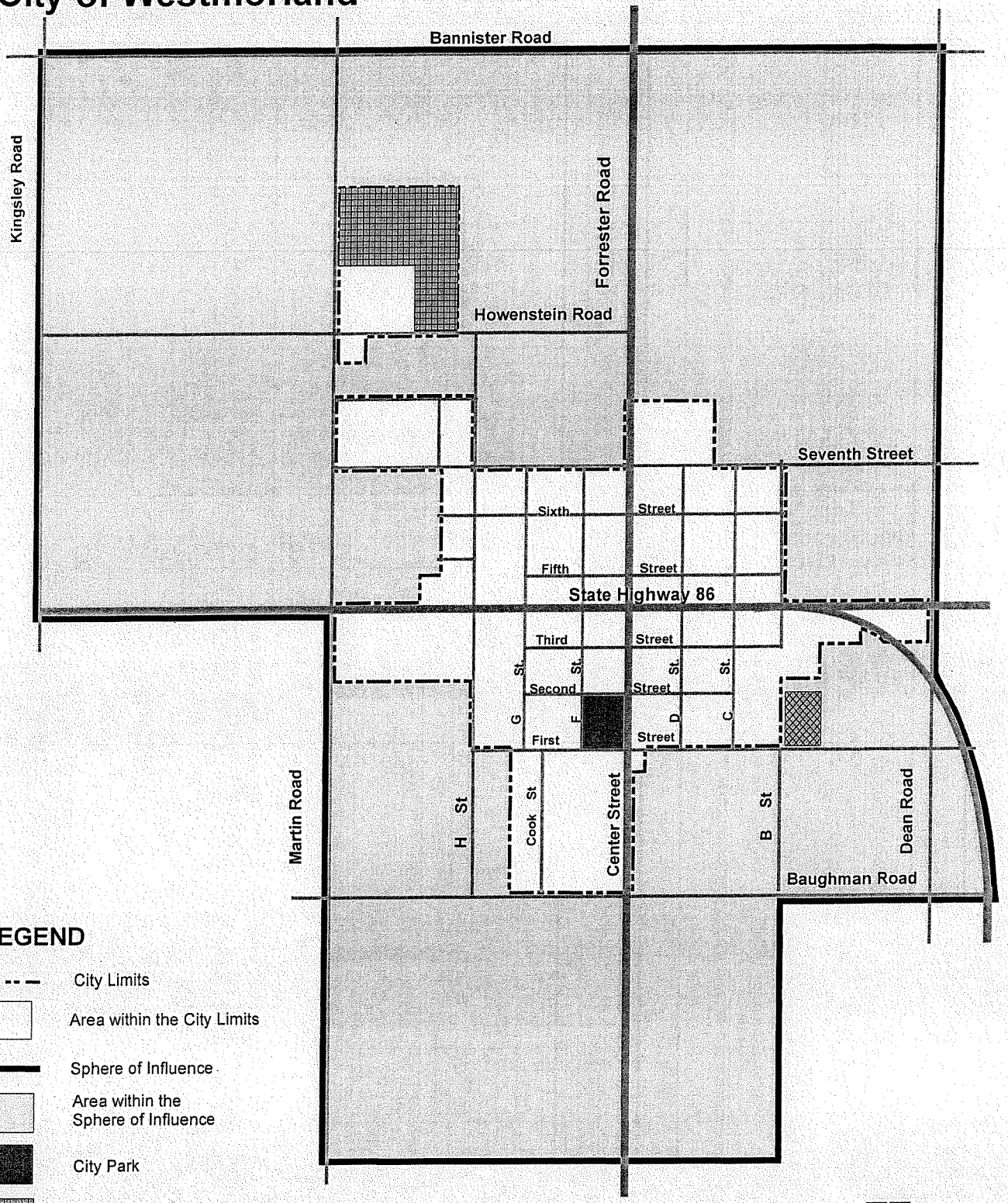
B. Future Funding Sources

The city of Westmorland will continue to use the existing funding sources for the continued maintenance and operation of the park and recreation facilities. However, based on the future growth anticipated, other funding sources will be needed in order provide an adequate level of service for the future residents. The city should also consider the collection of development impact fees as a means to assist in the funding of future capital improvements to park

facilities needed to meet the demand created by future development.

There are several other funding sources available for park facilities such as community facilities district, special assessment district as well as Community Development Block Grants and other state and federal grants. Further descriptions of these and other financing mechanisms are provided in the *Facility Financing* section beginning on page 109.

City of Westmorland



LEGEND

- City Limits
- Area within the City Limits
- Sphere of Influence
- Area within the Sphere of Influence
- City Park
- Jake James Municipal Sports Park
- Westmorland Elementary School Athletic Fields

NORTH
NO SCALE
NOTE: ALL LOCATIONS APPROXIMATE

Hofman Planning Associates

Park Location Map
Exhibit 9

Table 19 Demand for Park Facilities

Year	Projected Population	Future Acreage Demand
Existing	2,182	6.5
2005	**3,035**	**9.1**
2006	3,887	11.7
2007	4,740	14.2
2008	5,592	16.8
2009	6,445	19.3
2010	**6,615**	**19.8**
2011	6,786	20.4
2012	6,956	20.9
2013	7,127	21.4
2014	7,297	21.9
2015	**7,468**	**22.4**
2016	7,638	22.9
2017	7,809	23.4
2018	7,979	23.9
2019	8,150	24.4
2020	**8,320**	**25.0**
2021	8,491	25.5
2022	8,661	26.0
2023	8,832	26.5
2024	9,002	27.0
2025	**9,173**	**27.5**

Table 20 Cost Estimate for Future Park Facilities Maintenance and Operation

Year	Projected Population	Cost
Existing	2,182	$18,573
2005	**3,035**	**$25,828**
2006	3,887	$33,083
2007	4,740	$40,338
2008	5,592	$47,593
2009	6,445	$54,848
2010	**6,615**	**$56,299**
2011	6,786	$57,750
2012	6,956	$59,201
2013	7,127	$60,652
2014	7,297	$62,103
2015	**7,468**	**$63,554**
2016	7,638	$65,006
2017	7,809	$66,457
2018	7,979	$67,908
2019	8,150	$69,359
2020	**8,320**	**$70,810**
2021	8,491	$72,261
2022	8,661	$73,712
2023	8,832	$75,163
2024	9,002	$76,614
2025	**9,173**	**$78,065**

CIRCULATION FACILITIES

I. PERFORMANCE STANDARDS

The Circulation Element of the Westmorland General Plan was created to sustain safe and efficient vehicular travel throughout the city. The Circulation Element states that currently, most streets can be categorized within an "A" level of service (LOS). At peak hours, no street exceeds LOS C. It is assumed, for the purposes of this Service Area Plan, that no street shall exceed a LOS C standard[21].

II. FACILITY PLANNING AND ADEQUACY ANALYSIS

The city of Westmorland contains a circulation system that is predominantly oriented in a north/south and east/west grid system. The major north/south arterial is Center Street. The major east/west arterial is State Route 86 (Main Street).

A. Inventory of Existing Facilities

Highway 86 - Highway 86, a major four lane State Highway, is located within the city of Westmorland, but is managed by the State Department of Transportation. The State Department of Transportation also controls the State Highway right-of-way.

Arterials – Arterial streets function as traffic movers to expedite the movement of traffic through the City from one point to another[22]. Westmorland's classification of these types of streets is consistent with that of the California Department of Transportation. Center Street (Forrester Road) is the only major arterial within the city of Westmorland.

Collectors – Collector streets allow for movement and access within specific areas of the city such as industrial or residential. The following are collector streets within the city of Westmorland:

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21 Source: Westmorland General Plan, November 1999, *Circulation Element.*
22 Source: Westmorland General Plan, November 1999, *Circulation Element*

- Seventh Street
- First Street
- "H" Street
- "G" Street
- "B" Street
- "C" Street

Signalized Intersections - The city of Westmorland contains no signalized intersections. There are stop signs located at Center Street/First Street, Center Street/Second Street, Center Street/Highway 86 and Center Street/Seventh Street.

B. Adequacy of Existing Facilities

The circulation element of Westmorland is currently adequate. All roads meet a LOS standard of "C" or better.

C. Future Demand for Facilities

Currently, regional truck traffic travels from the south through Westmorland on Center Street in order to reach Highway 86. This has caused considerable stress in the southern portion of this roadway. The city is working with the county of Imperial to obtain funds for facilities that will re-route truck traffic. The re-route is planned to pick up traffic at Baughman Road and lead it east to Highway 86 in order to avoid congestion and wear on the southern portion of Center Street.

As the city of Westmorland continues to grow, future improvements will be required to build streets to full improvements in accordance with the design standards set forth by the city of Westmorland Engineering Department. Individual cost estimates were developed for each proposed facility. These estimates were based on the anticipated width and length of the street as well as the anticipated structural section. Individual quantities were estimated for each of the major cost items such as AC pavement, aggregate base and appurtenant items. A contingency was added to the estimate along with design, inspection and other soft costs to determine the final anticipated construction estimate.

The following are the assumptions used for the above unit costs:

- New construction for all streets in or adjacent to developments will be the responsibility of the developer.
- Overlays will be constructed on Center Street and Martin Road.
- Seventh Street will be reconstructed to a full width facility.
- New construction includes grading, aggregate base, A.C. pavement, curb gutter and sidewalk all built to city of Westmorland standards.
- Acquisition of land to be dedicated by future developer(s), therefore no cost is assumed.

D. Opportunities for Shared Facilities

The California Department of Transportation (Caltrans) manages Highway 86. This is currently the only roadway within Westmorland that is a shared facility. Center Street south of Highway 86 serves regional traffic needs and should be considered for shared maintenance responsibility. However, after the Baughman reroute project is complete, there will no longer be a need for shared operation and maintenance of this portion of Center Street. The need for shared facility responsibility should then transfer to the Baughman reroute. At this time, there is no agreement between the Federal government, the State and the city regarding shared maintenance of this roadway.

E. Phasing

Improvements to circulation facilities will be provided concurrently with new development. Developers will construct required internal street improvements associated with each project. Additionally, the developers will be required to construct frontage improvements along all Circulation Element roadways adjacent to each proposed future project. Timing for these improvements will be based on the timing for future development.

III. MITIGATION

Most of the circulation improvements identified will be constructed by future developers as development occurs.

Recommendations:

A. For Collectors, the developer shall be responsible for all street improvements including one travel lane, curb, gutter and sidewalk constructed to city standards for all land fronting on said collectors.
B. For Major and Secondary Arterials, the developer shall be responsible for frontage improvements including ½ median, one travel lane, curb, gutter and sidewalk.
C. New development that results in increased traffic impacts that exceed 5,000 vehicles per day on local streets shall provide for a traffic study to outline needed improvements to mitigate the increased traffic levels.

IV. FINANCING

The existing funding sources for circulation improvements, maintenance and operation come from the city's General Fund, I.C. - IVAG Payments, Motor Vehicle In-Lieu Tax, Special Gas Tax, and LTA Measure D as well as developers. The city of Westmorland will continue to utilize these funding sources.

A. Per Capita Costs

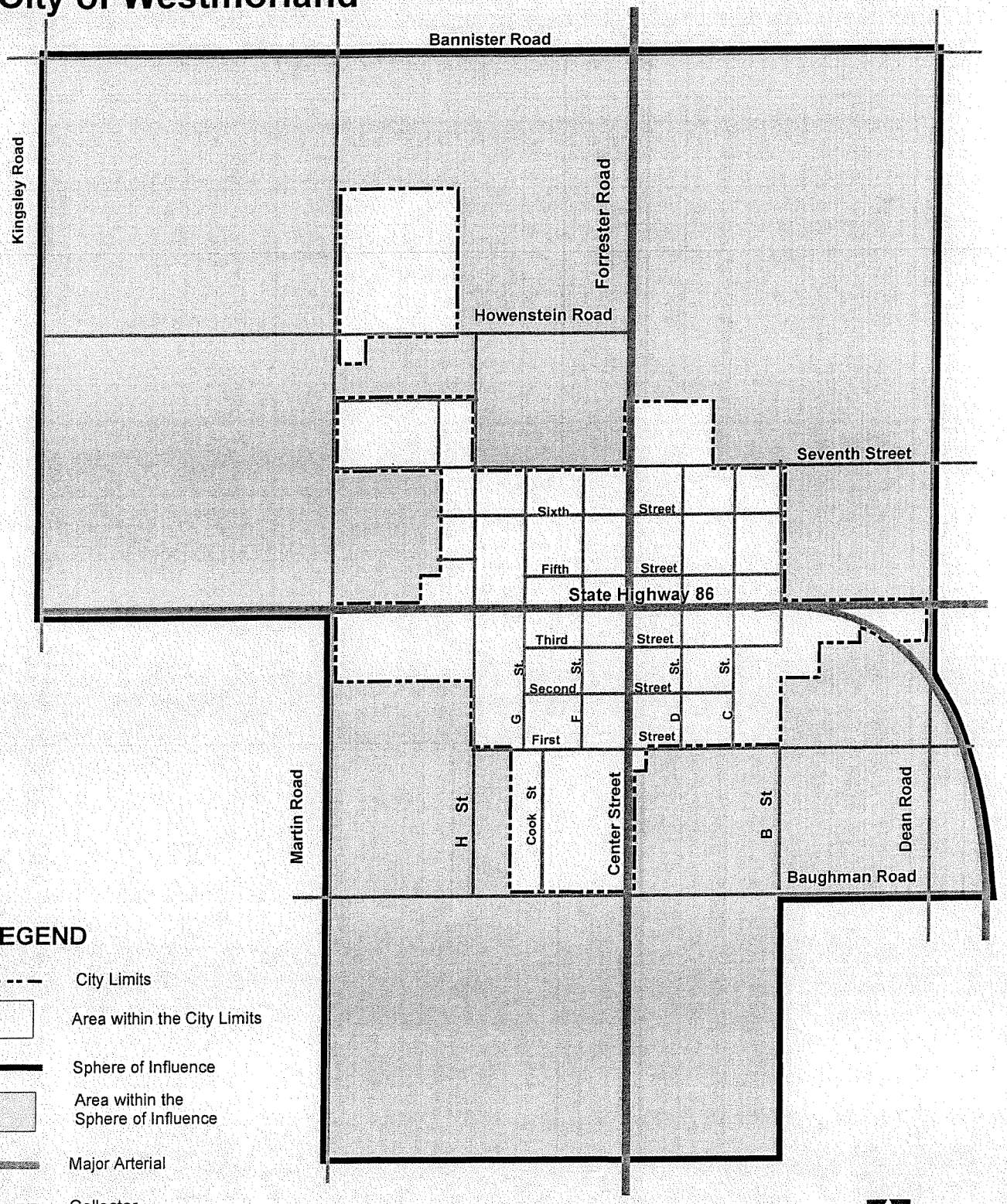
The per capita cost is the amount that must be provided from the city's General Fund to cover the costs not paid for by other funding sources. The current annual General Fund cost identified in the 2004-2005 city of Westmorland budget is approximately $10.46 per capita. The 2004-2005 city of Westmorland budget allocated $22,825 for streets. Using the city's current population of 2,182 residents, maintenance and operation of the circulation maintenance cost approximately $10.46 per capita.

$22,825 / 2,182 population = **$10.46 per capita**

B. Future Funding Sources

The city may utilize assessment district financing, grants and other sources of revenue as well as a five-year capital improvement plan to help finance city circulation improvements. There are several funding sources for circulation facilities such as community facilities district, special assessment district, development impact fees, Certificate of Participation, Intermodal Surface Transportation Efficiency Act (ISTEA), Surface Transportation Program (STP), as well as Community Development Block Grants and other state and federal grants. Further descriptions of these and other financing mechanisms are provided in the *Facility Financing* section beginning on page 109.

City of Westmorland



LEGEND

- City Limits
- Area within the City Limits
- Sphere of Influence
- Area within the Sphere of Influence
- Major Arterial
- Collector

NORTH
NO SCALE
NOTE: ALL LOCATIONS APPROXIMATE

Hofman Planning Associates

Circulation Map
Exhibit 10

Table 21 Cost Estimate for Circulation Maintenance and Operation

Year	Projected Population	Cost
Existing	2,182	$22,825
2005	**3,035**	**$31,741**
2006	3,887	$40,657
2007	4,740	$49,573
2008	5,592	$58,489
2009	6,445	$67,405
2010	**6,615**	**$69,188**
2011	6,786	$70,971
2012	6,956	$72,755
2013	7,127	$74,538
2014	7,297	$76,321
2015	**7,468**	**$78,104**
2016	7,638	$79,888
2017	7,809	$81,671
2018	7,979	$83,454
2019	8,150	$85,237
2020	**8,320**	**$87,020**
2021	8,491	$88,804
2022	8,661	$90,587
2023	8,832	$92,370
2024	9,002	$94,153
2025	**9,173**	**$95,936**

Table 22 Cost Estimate for Center Street

Preliminary Project Cost Estimate
Mainline Improvements

Facility Name:	Center Street
Limits	Howenstein to Bannister
Length:	2640 ft
Proposed No. of Lanes	2
Proposed Total Width	40 ft
Existing Total Width	40 ft
Proposed Pavement Width	24 ft
Existing Pavement Width	24 ft
AC Pavement Depth	0 in.
Base Material Depth	0 in.
Overlay Width	24 ft
Median Landscaping Width	ft
Parkway Landscaping Width	ft

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	0	Acre	$500	$0
3	Demolition/ Removals	0	LS	$4	$0
4	Excavation	0	CY	$20	$0
5	AC Pavement	766	TONS	$70	$53,592
6	AC Base	0	TONS	$40	$0
7	Curb and Gutter	0	LF	$15	$0
8	Median Curb and Gutter	0	LF	$10	$0
9	Sidewalk	0	SF	$3.00	$0
10	Signing	0	LS	$0	$0
11	Striping	5280	LF	$0.33	$1,742
12	Parkway Landscaping	0	SF	$5.00	$0
13	Median Landscaping	0	SF	$5.00	$0
14	Traffic Signals	1	EA	$170,000	$170,000
15	Street Lights	8	EA	$1,500	$12,000
Right-of-way		0	SF		$0
	Total Construction				$237,334
	Contingency @ 15%				$35,600
	Engineering @ 12%				$28,480
	CM & Inspection @ 10%				$23,733
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$9,493
	Environmental @3%				$7,120
	Total Non-Construction				$104,427
	Project Total				$341,762

ASSUMPTIONS

Source: Willdan, December 2004

Table 23 Cost Estimate for Martin Street

Preliminary Project Cost Estimate
Mainline Improvements

Facility Name:	Martin Street
Limits	Miller to Bannister
Length:	5280 ft
Proposed No. of Lanes	2
Proposed Total Width	40 ft
Existing Total Width	40 ft
Proposed Pavement Width	24 ft
Existing Pavement Width	24 ft
AC Pavement Depth	0 in.
Base Material Depth	0 in.
Overlay Width	24 ft
Median Landscaping Width	ft
Parkway Landscaping Width	ft

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	0	Acre	$500	$0
3	Demolition/ Removals	0	LS	$4	$0
4	Excavation	0	CY	$20	$0
5	AC Pavement	1531	TONS	$70	$107,184
6	AC Base	0	TONS	$40	$0
7	Curb and Gutter	0	LF	$15	$0
8	Median Curb and Gutter	0	LF	$10	$0
9	Sidewalk	0	SF	$3.00	$0
10	Signing	0	LS	$0	$0
11	Striping	10560	LF	$0.33	$3,485
12	Parkway Landscaping	0	SF	$5.00	$0
13	Median Landscaping	0	SF	$5.00	$0
14	Traffic Signals	0	EA	$170,000	$0
15	Street Lights	0	EA	$1,500	$0
Right-of-way		0	SF		$0
	Total Construction				$110,669
	Contingency @ 15%				$16,600
	Engineering @ 12%				$13,280
	CM & Inspection @ 10%				$11,067
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$4,427
	Environmental @3%				$3,320
	Total Non-Construction				$48,694
	Project Total				$159,363

ASSUMPTIONS

Source: Willdan, December 2004

Table 24 Cost Estimate for Seventh Street

Preliminary Project Cost Estimate
Mainline Improvements

Facility Name:	Seventh Street
Limits	Martin to Center
Length:	2640 ft
Proposed No. of Lanes	
Proposed Total Width	60 ft
Existing Total Width	30 ft
Proposed Pavement Width	40 ft
Existing Pavement Width	20 ft
AC Pavement Depth	3.5 in.
Base Material Depth	9 in.
Overlay Width	20 ft
Median Landscaping Width	ft
Parkway Landscaping Width	ft

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	2	Acre	$500	$909
3	Demolition/ Removals	0	LS	$4	$0
4	Excavation	334	CY	$20	$6,681
5	AC Pavement	1670	TONS	$70	$116,886
6	AC Base	2376	TONS	$40	$95,040
7	Curb and Gutter	5280	LF	$15	$79,200
8	Median Curb and Gutter	0	LF	$10	$0
9	Sidewalk	29040	SF	$3.00	$87,120
10	Signing	0	LS	$0	$0
11	Striping	0	LF	$0.33	$0
12	Parkway Landscaping	0	SF	$5.00	$0
13	Median Landscaping	0	SF	$5.00	$0
14	Traffic Signals	0	EA	$170,000	$0
15	Street Lights	0	EA	$1,500	$0
Right-of-way		79200	SF		$0
	Total Construction				$385,837
	Contingency @ 15%				$57,875
	Engineering @ 12%				$46,300
	CM & Inspection @ 10%				$38,584
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$15,433
	Environmental @3%				$11,575
	Total Non-Construction				$169,768
	Project Total				$555,605

ASSUMPTIONS

Source: Willdan, December 2004

WASTEWATER TREATMENT AND SEWER FACILITIES

All information in this section was acquired from a March 2004 meeting with key city officials, the city of Westmorland Wastewater Collection System Master Plan prepared by the Holt Group (September 2001) and from information prepared by Willdan. For additional details relating to wastewater treatment and conveyance, please consult one of the above sources.

V. PERFORMANCE STANDARD

Although there are no adopted "Performance Standards" for wastewater treatment and conveyance, there are design criteria and regulations that must be met to ensure that adequate wastewater treatment and conveyance is provided. The National Clay Pipe Institute's (NCPI) standards were used when analyzing Westmorland's wastewater system. They recommend that pipes 4 inches to 24 inches in diameter should be designed to handle flow levels no greater than half-full peak flow conditions. The peaking factor used in this report is 2.

VI. FACILITY PLANNING AND ADEQUACY ANALYSIS

The purpose of this Facility Planning and Adequacy Analysis is to provide the reader with information about the adequacy of the existing wastewater and sewer facilities and how this relates to the future wastewater and sewer needs of the city.

A. Inventory of Existing Facilities

WASTEWATER TREATMENT PLANT

The existing wastewater treatment plant, located at the northeast corner of Howenstein and Martin Road, uses primarily an oxidation ditch-type process. The process flow scheme consists of a headworks structure, an influent pumping station, a grit chamber, an oxidation ditch, an intermediate pump station, two secondary clarifiers, a chlorine contact basin, a de-chlorination basin, a 12-inch diameter outfall line and sludge drying beds. Treated effluent discharges into the Trifolium Drain. The capacity of the treatment plant is 0.5 MGD.

WASTEWATER COLLECTION SYSTEM

The existing wastewater collection system consists of vitrified clay pipe (VCP) and polyvinyl chloride (PVC) pipelines, and includes approximately 6.8 miles of gravity sewers ranging in size from 4 inches to 12 inches in diameter and 119 manholes. There are no force mains or pump stations other than at the treatment facility. The topography of the city is flat, sloping gently to the northwest and conveying wastewater by gravity to the treatment facility.

B. Adequacy of Existing Facilities

Currently, the treatment plant has a treatment capacity of 0.5 MGD and the average daily flow of wastewater is 0.26 MG. According to the wastewater and sewer analysis completed by the Holt Group in 2001, the existing facilities are in fair to good condition and are operating adequately. However, there are some areas in need of repair. According to their report, there exists a need to repair or replace 8 of the 119 manholes. Also, the VCP pipelines are approximately 70 years old. Because of their age, they should undergo a video inspection within the next year to determine whether or not repairs and/or replacements are needed.

C. Future Demand for Facilities

Based on the sewer system analysis conducted by the Holt Group, the average daily flow to the city of Westmorland Wastewater Treatment Plant is 0.26 million gallons. The treatment plant capacity is 0.5 MGD. The city's average annual projected wastewater flow demand is as follows:

Year	Projected Population	Average Daily Flow
2005	3,035	0.36 MGD
2010	6,615	0.79 MGD
2015	7,468	0.89 MGD
2020	8,320	0.99 MGD
2025	9,173	1.09 MGD

The annual projected wastewater flow demand was calculated as follows:

0.26 MGD Average Flow x 1,000,000 / 2,182 = **119 Gallons per Day per Person**

and

119 GD demand per person x 3,035 population (2005) / 1,000,000= **0.36 MGD demand (2005)**

D. Opportunities for Shared Facilities

There are no opportunities for shared facilities.

E. Phasing

In order to maintain and adequate sewer treatment capacity for the existing population as well as provide for future development, the following improvements and future facilities are recommended within the time frames provided:

SHORT TERM

Maintain and repair current sewer system. The current plant has approximately twice the current flow and should be adequate until 2008.

WITHIN FIVE YEARS

In or around 1007, the existing plant capacity may be exceeded. An additional 0.50 MGD treatment capacity should be added to raise the total capacity to 1.0 MGD. This should be sufficient until the year 2020. The approximate anticipated cost is $3,000,000 in 2004 dollars.

WITHIN 10 YEARS TO 15 YEARS

In approximately 2020, an additional 0.10 MDG capacity should be added to the facility. This will bring the plant up to the required 1.10 MGD. The approximate anticipated cost for this improvement is $500,000 in 2004 dollars.

WITHIN 20 YEARS

No additional upgrades are required.

VII. MITIGATION

The city of Westmorland should continue to pursue various means by which to obtain funding and provide for adequate wastewater conveyance facilities for the existing and future residents of the city. The following are recommendations to maintain adequacy for wastewater treatment and conveyance facilities.

Recommendations:

A. Facilities identified in the Wastewater Master Plan update shall be constructed as needed as new development and annexation of land occurs.
B. Prior to the recordation of a final map within any of the annexation areas, a development agreement must be in place to ensure that adequate wastewater facilities will be provided during the PWWF conditions for the wastewater conveyance system being utilized by said annexation area.
C. All system improvements shall be designed and constructed in accordance with Federal, State and local regulations.

VIII. FINANCING

The primary sources of revenue for wastewater treatment and conveyance facilities are the sewer service charges, sewer connection fees, capacity fees and septic income. The sewer service charges and developer contributions fund facilities such as sewer interceptors and the operation of the wastewater treatment plant. The sewer capacity fee is based on the equivalent dwelling unit (EDU) impact created and helps fund the future expansion of the city of Westmorland Wastewater Treatment Plant.

In 1999, the city received a construction grant from the Border Environment Infrastructure Fund (BEIF) in the amount of $1,777,300 to assist in the cost needed to increase the capacity of the treatment facility from 375,000 to 500,000 GPD. The city also received a Small Communities Grant (SCG) for planning in the amount of $117,291 and a SCG Design Grant for $139,929. By February of 2000, the city received approval for a Stat Revolving Fund (SRF) loan to cover the balance of the costs for the expansion of the wastewater treatment facility.

The city will continue to utilize these funding sources in addition to searching for other sources to improve the existing system in order to meet future demand.

A. Per Capita Costs

The per capita cost is the amount that must be provided from the city's General Fund to cover the costs not paid for by other funding sources. The current annual General Fund cost identified in the 2004-2005 city of Westmorland Budget is approximately $36.62 per capita. The 2004-2005 city of Westmorland budget allocated $79,928 for wastewater services. Using the city's current population of 2,182 residents, maintenance and operation of the wastewater facilities cost approximately $36.62 per resident per year.

$79,928 / 2,182 population = **$36.62 per capita**

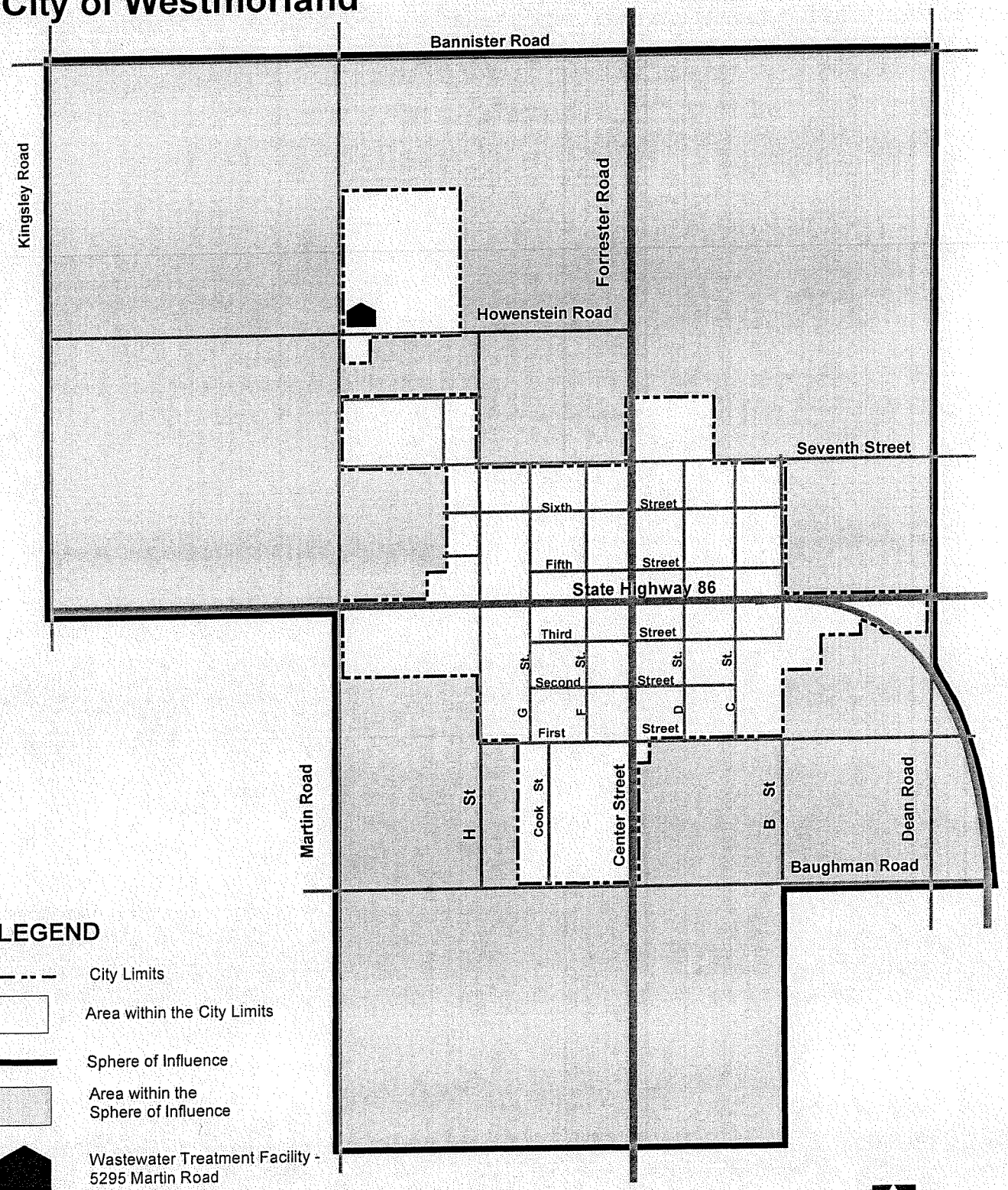
B. Future Funding Sources

The city will continue to utilize the existing funding sources for wastewater facilities. The sewer service charge collected by the city is the primary funding source. The current fees will need to be reviewed annually and during proposed annexations to ensure that there is sufficient funding to provide wastewater service to new development.

As stated in the Phasing section above, there are short term and long-term improvements that must be made to the existing system. The identified improvements and cost estimates for these improvements to the wastewater system are identified on pages 92 and 93. The total cost to complete underground sewer improvements is estimated to be $1,830,704 . In addition, Willdan estimated that it will cost approximately $3,500,000 in 2004 dollars for improvement to the wastewater treatment facility.

There are a number of financing mechanisms available to assist in the funding for capital facilities related to the treatment and conveyance of wastewater. Special assessment districts, community facilities districts, local bond issuance, developer contributions and development impact fees can be used to fund wastewater treatment and conveyance facilities. Also, there are a number of State and Federal grant and loan programs available such as *USDA Water and Waste Disposal Loans, Grants for Public Works and Infrastructure Development* and the *State Revolving Fund (SRF Loan) For Construction of Wastewater Treatment Facilities*. Other sources used recently for the expansion of the Wastewater Treatment Plant include the *Small Communities Grant*, the *Border Environmental Infrastructure Fund*, and the *SCG Design Grant*. Other grants came from the United States Department of Agriculture - Rural Development and the State of California Water Resources Control Board. Further descriptions of these and other financing mechanisms are provided in the *Facility Financing* section.

City of Westmorland



LEGEND

- City Limits
- Area within the City Limits
- Sphere of Influence
- Area within the Sphere of Influence
- Wastewater Treatment Facility - 5295 Martin Road

NORTH
NO SCALE
NOTE: ALL LOCATIONS APPROXIMATE

Hofman Planning Associates

Wastewater Treatment Facility
Exhibit 11

Table 25 Wastewater Treatment Facility - Average Daily Flow

Year	Projected Population	MGD Average Daily Flow
Existing	2,182	0.26
2005	**3,035**	**0.36**
2006	3,887	0.46
2007	4,740	0.56
2008	5,592	0.67
2009	6,445	0.77
2010	**6,615**	**0.79**
2011	6,786	0.81
2012	6,956	0.83
2013	7,127	0.85
2014	7,297	0.87
2015	**7,468**	**0.89**
2016	7,638	0.91
2017	7,809	0.93
2018	7,979	0.95
2019	8,150	0.97
2020	**8,320**	**0.99**
2021	8,491	1.01
2022	8,661	1.03
2023	8,832	1.05
2024	9,002	1.07
2025	**9,173**	**1.09**

Table 26 Cost Estimate for Wastewater Maintenance and Operation

Year	Projected Population	Cost
Existing	2,182	$79,928
2005	**3,035**	**$111,150**
2006	3,887	$142,372
2007	4,740	$173,594
2008	5,592	$204,816
2009	6,445	$236,037
2010	**6,615**	**$242,282**
2011	6,786	$248,526
2012	6,956	$254,771
2013	7,127	$261,015
2014	7,297	$267,259
2015	**7,468**	**$273,504**
2016	7,638	$279,748
2017	7,809	$285,992
2018	7,979	$292,237
2019	8,150	$298,481
2020	**8,320**	**$304,726**
2021	8,491	$310,970
2022	8,661	$317,214
2023	8,832	$323,459
2024	9,002	$329,703
2025	**9,173**	**$335,947**

Table 27 Cost Estimate for Martin Street Sewer Facilities

Preliminary Project Cost Estimate
Underground Sewer Improvements

Facility Name: Martin Sewer
From: Westmoreland
To: Miller

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$5,000	$5,000
4	12 Inch PVC Sewer	7040	LF	$75	$528,000
5	"Y" s	235	EA	$50	$11,733
6	Excavation	4172	CY	$20	$83,437
7	Backfill	4172	CY	$10	$41,719
8	Shoring	7040	LF	$10	$70,400
9	Manholes	23	EA	$4,500	$105,600
10	Reconstruct AC Pavement	21120	SF	$5.00	$105,600
	Total Construction				$952,489
	Contingency @ 15%				$142,873
	Engineering @ 12%				$114,299
	CM & Inspection @ 10%				$95,249
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$38,100
	Environmental @3%				$28,575
	Total Non-Construction				$419,095
	Project Total				$1,371,584

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Source: Willdan, December 2004

Table 28 Cost Estimate for Center Street Sewer Facilities

Preliminary Project Cost Estimate
Underground Sewer Improvements

Facility Name: Center Sewer
From: Howenstein
To: Bannister

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$2,500	$2,500
4	8 Inch PVC Sewer	2640	LF	$60	$158,400
5	"Y" s	88	EA	$50	$4,400
6	Excavation	1564	CY	$20	$31,289
7	Backfill	1564	CY	$10	$15,644
8	Shoring	2640	LF	$10	$26,400
9	Manholes	9	EA	$4,500	$39,600
10	Reconstruct AC Pavement	7920	SF	$5.00	$39,600
	Total Construction				$318,833
	Contingency @ 15%				$47,825
	Engineering @ 12%				$38,260
	CM & Inspection @ 10%				$31,883
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$12,753
	Environmental @3%				$9,565
	Total Non-Construction				$140,287
	Project Total				$459,120

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Source: Willdan, December 2004

WATER FACILITIES

All information for this section was acquired from the Master Plan for the Water Distribution System for the city of Westmorland prepared by the Holt Group and dated September 1997, Westmorland's Executive Director of Public Works and Willdan. Some of the information provided in this section is paraphrased while other parts are used word for word from the Master Plan. For additional details relating to water facilities, one of the above sources should be consulted.

I. PERFORMANCE STANDARDS

Although there are no adopted "Performance Standards" for water distribution, there are design criteria that must be met to ensure that adequate potable water supply and fire flow needs are provided.

The design criteria are based on the Maximum Day Demand at Peak Hour plus fire conditions (MDPHF). The design criteria include the following:

- Flow velocity under peak day demand shall be limited to 20.0 feet per second
- Flow velocity under maximum day demand plus fire flow shall be limited to 30.0 feet per second
- 50 psi pressure shall be maintained system wide under peak day conditions
- 40 psi shall be maintained system wide with local minimums of 20 psi during maximum day plus fire flow conditions
- Peaking factor is 2.00
- Storage required is one maximum average day demand plus a 3,000 GPM fire flow for a four-hour duration
- Treatment plant capacity shall meet the demand of the maximum daily flow
- Fire Flow Minimums - 1,000 GPM for residential
  2,500 GPM for commercial
  2,500 GPM for industrial

II. FACILITY PLANNING AND ADEQUACY ANALYSIS

The primary water source for the city of Westmorland is the Colorado River. The river water is collected by the Imperial Irrigation District (IID) through the All American Canal, and then delivered to the city via the Westmorland Canal and a 24" diameter raw waterline. There are no secondary water sources. This water is then treated through a sedimentation, filtration, and disinfection process in compliance with the Surface Water Filtration and Disinfection Treatment Regulations (Chapter 17, Title 22, California Code of Regulations), the California Department of Health Services, and Local Agency requirements. The level of treatment and compliance with safe drinking water requirements varies with the quality of the raw water delivered.

A. Inventory of Existing Facilities

WATER TREATMENT PLANT

The city of Westmorland Water Treatment Plant currently has a capacity of approximately 2.0 million gallons a day (MGD), which is capable of providing adequate service for the entire city.

The following is a summary of the present capacity of the individual plant components:

➢ Existing 24" diameter raw water gravity pipeline from the Westmorland Canal	2.00 MGD
➢ Raw water reservoirs	2.00 MGD
➢ Settled water pump station	3.00 MGD
➢ Sedimentation basins (2 each at 1.5 MGD)	3.00 MGD
➢ Filter (3 each at 1.0 MGD)	3.00 MGD
➢ Clear water pump station (3 each at 1.0 MGD)	3.00 MGD
➢ Chemical feed system	2.0 MGD
➢ Chlorinator	2.0 MGD
➢ Service pump station (3 each at 1.73 MGD)	5.2 MGD

STORAGE

Once the city's water demand is satisfied, the treated water is then pumped to the distribution system with the surplus being stored at the treatment site in a 0.35 and 0.7 MG storage ground facility located at 201 West "B" Street.

PUMP STATIONS

To maintain sufficient water pressure (currently about 52 psi), the city has one pump station. The station contains three pumps and is located at the Water Treatment Plant (WTP). The pumps are used to keep water available and to assist when higher pressure is required to fight fires. A standby generator that operates the WTP at full capacity is used during emergencies.

WATER PIPELINES

The existing water distribution system includes 10 miles of pipelines ranging in size from 4" to 8". The minimum pipeline size for new development is generally 8".

A large portion of the existing water distribution system at most 60 years old. The system contains Asbestos Cement Pipe (ACP) and Polyvinyl Chloride Pipe (PVC). The ACP is the oldest and accounts for roughly 90% of the total pipe length.

B. Adequacy of Existing Facilities

Water demand data available for estimating flow rates in the water distribution system consist of total flow from the treatment plant. Based on the Master Plan for the Water Distribution System dated September 1997, the Holt Group determined that over the last 8 years, the average daily demand from the plant has varied with monthly averages ranging between 0.44 million gallons per day (MGD) and 0.94 MGD. The average daily demand was determined to be 0.70 MGD. The peak daily demand recorded was 1.18 MGD.

The capacity of the existing system was evaluated under Maximum Day Demand at Peak-Hour plus fire conditions (MDPHF). The result of the modeling indicates that the existing system provides adequate pressure for the Average Annual Demand (AAD) and MDPHF conditions.

Since the Water Treatment Plant has a current capacity of 2.0 MGD, the existing facility can provide for an adequate supply of potable water through the year 2006.

C. Future Demand for Facilities

Based on information from the 1997 Master Plan for the Water Distribution System we derived the following projections:

Year	Projected Population	Peak Daily Demand
2005	3,035	1.64 MGD
2010	6,615	3.58 MGD
2015	7,468	4.04 MGD
2020	8,320	4.50 MGD
2025	9,173	4.96 MGD

D. Opportunities for Shared Facilities

There are no opportunities for shared facilities.

E. Phasing

In order to maintain an adequate water supply for the existing population as well as provide for future development, the following improvements and future facilities are recommended within the time frames provided:

SHORT TERM

Maintain and repair current distribution system. The major components of the existing plant were reconstructed in 2002 and should be adequate until 2006.

WITHIN FIVE YEARS

In or around 2006, the requirements for excess water treatment capacity may be exceeded, thus triggering a potential need to increase the capacity of the water treatment facility. At this point in time, the facility size should be doubled. The required additional capacity should be sufficient to provide water through 2014. The approximate anticipated cost of the upgrade is $3,000,000 in 2004 dollars.

WITHIN 10 YEARS TO 15 YEARS

In or around 2020, an additional 1.0 MGD capacity should be added to the facility. This will bring the facility up to the required 5.00 MGD. The approximate anticipated cost of the plant upgrade is $1,500,000 in 2004 dollars.

WITHIN 20 YEARS

No additional requirements are anticipated.

III. MITIGATION

The city of Westmorland should continue to pursue various means by which to obtain funding for and to provide for adequate water distribution facilities for the existing and future residents of the city. The following are recommendations to achieve adequacy for water distribution facilities.

Recommendations:

A. Facilities identified in the Water Master Plan update shall be constructed as needed as new development and annexation of land occurs.
B. Prior to the recordation of a final map within any of the annexation areas, a development agreement shall be in place to ensure that adequate water pressures will be provided during the MDPHF conditions for the water distribution system being utilized by said annexation area.
C. A potable water supply shall be provided for all annexation areas.
D. All system improvements shall be designed and constructed in accordance with Federal, State and local regulations.

IV. FINANCING

The primary sources of revenue for water treatment and distribution facilities are the water service charges, water capacity fees, developer contributions and state water resources. The city will continue to utilize these funding sources in addition to searching for other sources to improve the existing system in order to meet future demand.

A. Per Capita Costs

The per capita cost is the amount that must be provided from the city's General Fund to cover the costs not paid for by other funding sources. The current annual General Fund cost for the continued maintenance and operation of the water system in the city of Westmorland is approximately $37.81 per capita. The 2004-2005 city of Westmorland budget allocated $82,525 for water services. Continued maintenance and operation of the water plant is and the capital water project totals. Using the city's current population of 2,182 residents, maintenance and operation of the water facilities cost approximately $37.81 per resident per year.

$82,525 /2,182 population = **$37.81 per capita**

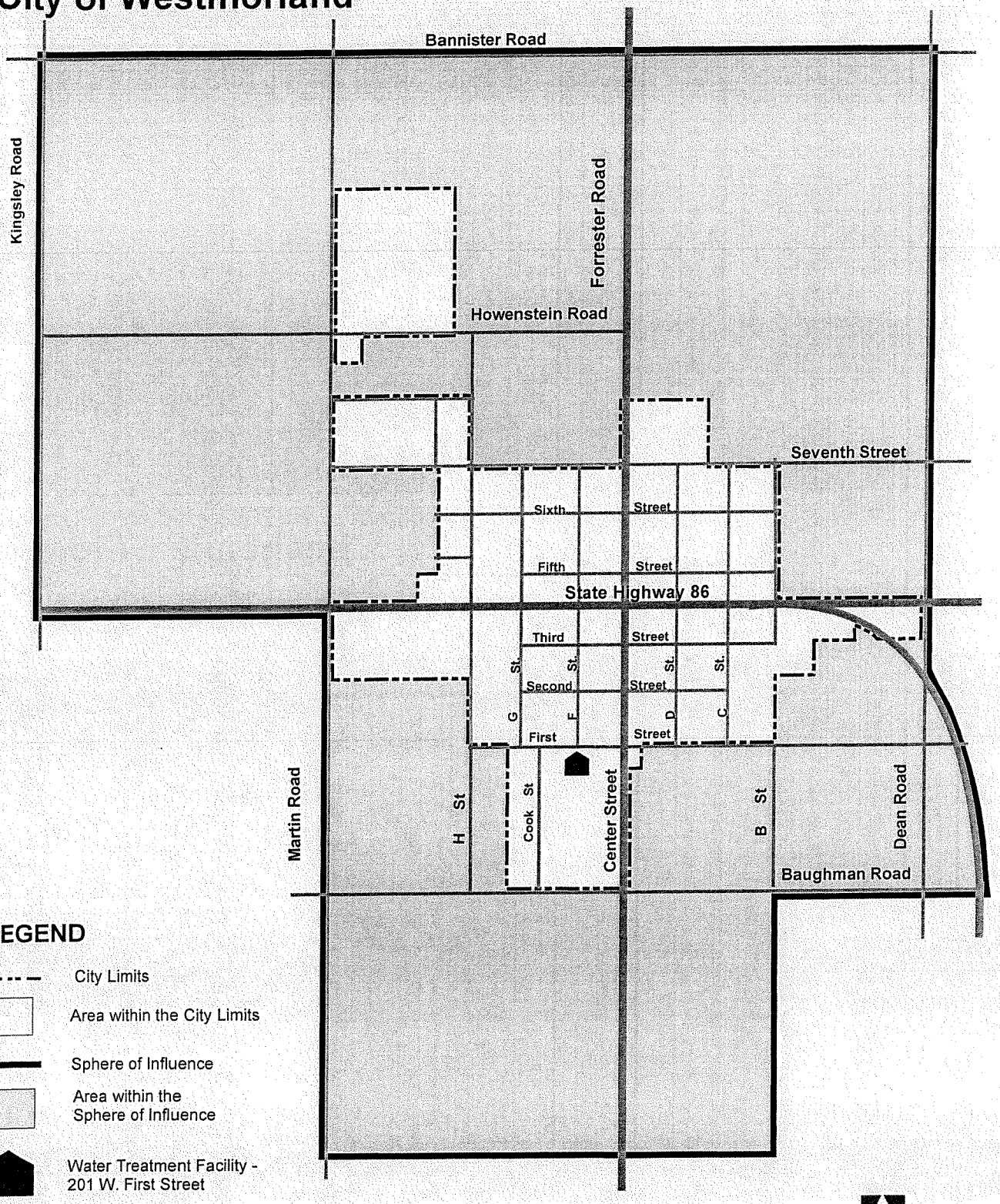
B. Future Funding Sources

The city will continue to utilize the existing funding sources for water facilities. The water service charge collected by the city is the primary funding source. These are charges based on the actual water usage. The current fees will need to be reviewed annually and during proposed annexations to ensure that there is sufficient funding to supply water service to new development.

As stated in the previous section, there are short-term improvements that must be made to the system. The identified improvements and cost estimates for short-term improvements to the water distribution system are identified in Tables 30 and 31 on pages 102 and 103.

There are a number of financing mechanisms available to assist in the funding for capital facilities related to the delivery of potable water. Special assessment districts, community facilities districts, local bond issuance, developer contributions and development impact fees can be used to fund water treatment and distribution facilities. Also, there are a number of State and Federal grant and loan programs available such as *USDA Water and Waste Disposal Loans* and *Grants for Public Works and Infrastructure Development.* Further descriptions of these and other financing mechanisms are provided in *Facility Financing* on page 109.

City of Westmorland



LEGEND

- City Limits
- Area within the City Limits
- Sphere of Influence
- Area within the Sphere of Influence
- Water Treatment Facility - 201 W. First Street

NORTH
NO SCALE
NOTE: ALL LOCATIONS APPROXIMATE

Hofman Planning Associates

Water Treatment Facility
Exhibit 12

Table 29 Demand for Water Treatment Facilities

Year	Projected Population	Peak Daily Water Demand (MGD)
Existing	2,182	1.18
2005	**3,035**	**1.64**
2006	3,887	2.10
2007	4,740	2.56
2008	5,592	3.02
2009	6,445	3.48
2010	**6,615**	**3.58**
2011	6,786	3.67
2012	6,956	3.76
2013	7,127	3.85
2014	7,297	3.95
2015	**7,468**	**4.04**
2016	7,638	4.13
2017	7,809	4.22
2018	7,979	4.31
2019	8,150	4.41
2020	**8,320**	**4.50**
2021	8,491	4.59
2022	8,661	4.68
2023	8,832	4.78
2024	9,002	4.87
2025	**9,173**	**4.96**

Table 30 Cost Estimate for Center Street Water Improvements

Preliminary Project Cost Estimate
Underground Water Improvements

Facility Name: Center Street Water
From: Westmoreland
To: First Street

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$5,000	$5,000
4	12 Inch PVC Water	5280	LF	$60	$316,800
5	House Connections	176	EA	$500	$88,000
6	Excavation	1564	CY	$20	$31,289
7	Backfill	1564	CY	$10	$15,644
8	Shoring	5280	LF	$5	$26,400
9	Valves	30	EA	$500	$15,000
10	Reconstruct AC Pavement	15840	SF	$5.00	$79,200
	Total Construction				$578,333
	Contingency @ 15%				$86,750
	Engineering @ 12%				$69,400
	CM & Inspection @ 10%				$57,833
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$23,133
	Environmental @3%				$17,350
	Total Non-Construction				$254,467
	Project Total				$832,800

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Source: Willdan, December 2004

Table 31 Cost Estimate for Seventh Street Water Improvements

Preliminary Project Cost Estimate
Underground Water Improvements

Facility Name: Seventh Street Water
From: Martin Street
To: Center Street

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$1,500	$1,500
4	8 Inch PVC Water	2640	LF	$50	$132,000
5	House Connections	88	EA	$500	$44,000
6	Excavation	782	CY	$20	$15,644
7	Backfill	782	CY	$10	$7,822
8	Shoring	2640	LF	$5	$13,200
9	Valves	12	EA	$500	$6,000
10	Reconstruct AC Pavement	3960	SF	$5.00	$19,800
	Total Construction				$240,967
	Contingency @ 15%				$36,145
	Engineering @ 12%				$28,916
	CM & Inspection @ 10%				$24,097
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$9,639
	Environmental @3%				$7,229
	Total Non-Construction				$106,025
	Project Total				$346,992

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Source: Willdan, December 2004

FINANCING

I. INTRODUCTION

This section of the Service Area Plan discusses various financing mechanisms available to the city of Westmorland. It also describes how each existing facility is currently financed and how future financial demands for these facilities can be ensured. Recommended finance plans and available financing options are also discussed.

In 1996, Proposition 218, a Constitutional amendment was enacted. Prop 218 clearly defined general taxes and special taxes and set guidelines on the issuance, use, and implementation of taxes. General taxes must be approved by a majority of voters before they can be imposed, extended or increased. Special taxes require approval by a 2/3 vote. Most financing options discussed in this section are subject to the guidelines of Prop 218.

II. FINANCING OPPORTUNITIES AND CONSTRAINTS

There are many opportunities available to the city of Westmorland to finance its present and future facility needs. The following section briefly describes some of the most widely used financing mechanisms.

A. General Taxes

General taxes generate revenue that is deposited in the city's General Fund and can be used to support various improvements and services including general government operations, development services, public safety and community services. These revenues can also be used to construct public facilities. The city of Westmorland can levy various types of general taxes, which include property tax, franchise tax, sales tax and business license tax. Property taxes generally comprise the largest revenue source for a city, but sales tax revenue can be significant as well depending on the amount and types of business within a city. However, the budget shows almost all general revenue the city generates is utilized for the day-to-day operations of city government, making it necessary to find other ways to finance facilities.

B. Gas Tax

A portion of the revenue derived from the State taxes on gasoline is allocated to cities to be used specifically for the construction, improvement and maintenance of streets and roads.

C. Local Bond Issues

Local governments can issue general obligation (GO) bonds to finance the acquisition and construction of public capital facilities and real property. These bonds cannot be used for operations and maintenance or to purchase equipment. GO bond measures must be approved by 2/3 of the jurisdiction's voters. In order to pay back GO bonds, City's are authorized to impose a property tax levy at the rate needed for repayment of the principal and interest of the bonds.

D. Developer/Builder Contribution

Many of the drainage, sewer, water and circulation improvements required as a result of new development can be directly funded and constructed by the developer and/or builder(s) through private funding sources. Facilities earmarked for developer/builder funding are typically those that normally would have been imposed as a condition of approval of a tentative map under the city's existing development review process.

E. User Fees

User fees are usually authorized by statute for specific uses and are typically required for monthly service. The fees are used as a revenue source to maintain the systems in proper operating condition and for the construction of facilities needed to meet demand.

F. Special Assessment Districts

Special districts can be formed for the purpose of financing specific improvements for the benefit of a specific area. People within a special district

must pay an additional property tax levy or user fees to help repay the bonds issued by the district and finance the district's ongoing operations. A detailed report prepared by a qualified engineer is required, which must demonstrate that the assessment amount is of special benefit to the parcel upon which the assessment is levied. There are many assessment acts that govern the formation of assessment districts such as the Improvement Act of 1911, Municipal Improvement Act of 1913, Improvement Bond Act of 1915, Benefit Assessment Act of 1982, Integrated Financing District Act as well as other specific facility improvement acts. The provisions of Proposition 218 have altered the procedures and facilities that can be financed through some of these acts. Any assessment district formed must follow all applicable state laws including the provisions set forth in Proposition 218.

G. Fire Suppression Assessment Act (Government Code section 500078 et seq.)

Under this act, a city is allowed to levy assessments on specific parcels or zones for the provision of fire suppression services. A fire suppression assessment does not require the formation of an assessment district, but requires the adoption of an ordinance or resolution in which the parcels or zones subject to the assessment must be identified. In addition, all requirements of Proposition 218 must be met when imposing a fire suppression assessment.

H. Community Services District

A Community Services District (CSD) can serve as a source of funding for a wide variety of facilities in both unincorporated and incorporated areas. CSDs can levy a range of taxes including ad valorem property tax, general taxes and special taxes, in addition to creating rates and other charges for services. Any fee assessed within a CSD must directly relate to the benefit being received. As a result, a CSD may be broken into zones that only pay for those facilities and services that provide a benefit to that zone.

I. Community Facilities District

A Community Facilities District (CFD), not to be confused with a Community Services District, falls under the 1982 Mello-Roos Community Facilities Act. This Act allows a CFD to be established by cities, counties, special districts and school districts to fund a variety of facilities and services. Note that the boundaries of a CFD are not required to be contiguous as they are for a CSD.

In order for a CFD to be formed, a public hearing must occur and an election held to authorize the specified tax levy. The special tax levy (Mello-Roos tax) is used to either provide direct funding or pay off bonds. The facilities being funded are not required to be physically located within the boundaries of the CFD.

J. State and Federal Funding

Various government programs are available at the State and Federal levels to assist local jurisdictions in financing public facilities and services. Most funding sources at the State level require an application requesting assistance and specify the projects or purposes for which the funds can be used. Financial assistance from the state can include grants, low interest loans and matching funds. At the Federal level, financial assistance includes grants and federal matching funds for state run assistance programs. State and Federal funding sources include, but are not limited to, the following:

Border Environment Infrastructure Fund

This program organizes funding resources of the Environmental Protection Agency for cities in the U.S./Mexico border region. It was designed to make environmental infrastructure within the financial means of these cities and towns.

Community Development Block Grants (CDBG)

CDBG funds must be used within a broad functional area, such as community development. These federal funds are distributed to local governments through a local clearinghouse. The allocation amount is based on a formula.

Congestion Mitigation and Air Quality Improvement Program (CMAQ)

CMAQ is another federal program that provides funding to cities. CMAQ funds are available for the specific purpose of developing and implementing transportation programs that reduce traffic congestion and air pollution.

Intermodal Surface Transportation Efficiency Act (ISTEA)

Under this act, federal funding is available for street and road improvements and repairs.

USDA Water and Waste Disposal Loans

Rural municipalities with a population of 10,000 or less are eligible for Water and Waste Disposal Loans from the Rural Utilities Service (RUS) of the USDA. These loans are for the purpose of developing water and waste disposal systems in rural areas. Funds from these loans can pay for improvements to existing systems, the acquisition costs for land, water sources and water rights, and legal and engineering fees necessary for the development of facilities. A 40-year maximum repayment period has been set for these loans.

Economic Development - Grants for Public Works and Infrastructure Development

The objective of this grant is to promote economic development and assist in the construction of facilities needed to encourage the creation and retention of permanent jobs in areas experiencing severe economic distress. The facilities can include water and sewer systems, industrial access roads to industrial parks, rail road siding and spurs, tourism facilities, vocational schools, business incubator facilities and infrastructure improvements for industrial parks. The basic grant may fund up to 50% of the cost of the facilities. For communities that are severely depressed, the grant may fund up to 80% of the cost of the facilities.

Environmental Protection Agency

The Environmental Protection Agency makes low interest loans to communities to assist in the construction of new or upgraded sewage treatment facilities.

Small Community Wastewater Grant Program

This grant provides funding to small communities and towns (20,000 people or less) with financial hardships. Assistance is provided for the construction of public wastewater treatment and collection facilities.

K. Lease Financing

Instead of purchasing or issuing bonds, agencies can enter into a lease agreement to acquire and dispose of property. Generally, one of two types of lease agreements is entered. The first type is a "lease-purchase" agreement, where an agency leases a facility while purchasing it. The second type is a "sale-leaseback" agreement, where a facility is sold to a lessor by an agency, which immediately leases the facility back to the agency. Leases are designed to be tax-exempt investments and a properly constructed lease is not

considered a public debt. Lease financing requires finding an investor or group of investors to invest in the return from the agency's lease payments.

Certificates of Participation

Certificates of participation refer to the undivided shares of the lease obligation, which are purchased by a group of investors. COPs attract investors because they are designed to be a source of tax-free interest income. They are usually available for purchase in denominations of $5,000.

If projects are too small to attract investors or to be feasible for lease financing, local agencies can pool COPs. Pooling COPs allows agencies to minimize the costs of initiating and issuing a COP and may reduce the interest required to be paid on the lease. Entities involved with a pooled COP must form a Joint Powers Authority (JPA) to oversee the pooled COP.

III. FACILITY FINANCING

A. Administrative Facilities

1. Current Funding

Funding for administrative facilities is currently provided by the General Fund. Specific revenue sources include property and sales taxes, licenses and permits, fines and penalties, charges for services and other miscellaneous sources.

2. Cost Avoidance Opportunities

In order to reduce administrative services costs, the city of Westmorland out sources some of the administrative services such as City Attorney and an Executive Director of Public Works. Future outsourcing of other needed administrative assistance will continue to reduce overall costs for administrative services.

3. Recommended Funding

Funding for administrative facilities should continue as described above. Additional funding sources, if needed, should include the creation of a citywide community facilities district or the implementation of a development impact fee program. A development impact fee program would help fund future administrative capital facilities as demand created by future development increases. A development impact fee program could only fund improvements needed to serve future development.

B. Drainage Facilities

1. Current Funding

Maintenance of storm water drainage facilities is currently funded by the General Fund. Maintenance of the storm water drainage system is minimal since the size of the system is small. Future storm water drainage facilities will be installed at the developer/builder's expense at the time of construction and will continue to be maintained using funds from the General Fund.

2. Cost Avoidance Opportunities

In order to reduce drainage capital improvements costs, the city of Westmorland will require new development to install all necessary storm water drainage facilities as required by state law. Since most of the future storm water drainage system will be newer and containing the latest technology for storm water runoff design, maintenance should be minimal.

3. Recommended Funding

Funding for drainage facilities should continue as described above. Additional funding sources, if needed, should include the creation of a citywide community facilities district, special assessment districts, or the implementation of a development impact fee program. Future builders should also be required to construct necessary storm water runoff facilities as required by state law.

C. Fire Facilities

1. Current Funding

The Westmorland Fire Department currently obtains nearly all funding from Imperial County. There is "Other Revenue" identified in the city budget, however, the amount is very small and no other details are provided.

2. Cost Avoidance Opportunities

In order to reduce fire protection services costs, the city of Westmorland and the Imperial County Fire Department maintain an agreement for fire protection services. The agreement is valid for two years. The agreement states that the county will loan the city of Westmorland certain equipment and pay the city a specified sum of money to provide fire protection services. The city of Westmorland manages all personnel and provides for minor maintenance repair.

Additionally, there have been discussions regarding the construction of a public safety building that would house the police and fire departments. By consolidating various departments in one building, certain costs can be reduced.

3. Recommended Funding

Current funding sources for fire facilities should continue to be used. In addition, a development impact fee program should be implemented to ensure costs of future demand created by future development can be funded. A special fire suppression assessment district or a special tax can also be implemented to assist in the financing of fire facilities costs.

D. Law Enforcement

1. Current Funding

Nearly 2/3 of the funding for law enforcement is currently provided by the General Fund. Other funding sources include the State C.O.P.S. Grant and vehicle code fines.

2. Cost Avoidance Opportunities

In order to reduce law enforcement cost, the city of Westmorland receives dispatching services from the city of Brawley as a part of the 911 request for emergency response. Additionally, there have been discussions regarding the construction of a public safety building that would house the police and fire departments. By consolidating various departments in one building, certain costs can be reduced.

3. Recommended Funding

Current funding sources for law enforcement should continue to be used. In addition, the city could pursue funding from other available grants including the Local Law Enforcement Block Grant (LLEBG). A development impact fee program could also be implemented to help fund the construction of a new public safety building housing both the police and fire departments.

E. Library Facilities

1. Current Funding

There are no city owned library facilities within the city of Westmorland. There is no current funding for library facilities. A county owned library is located in the Westmorland Elementary School. This library is operated on county funds.

2. Cost Avoidance Opportunities

If a city library is constructed it could be designed and sized to allow for meeting space if other public facilities are occupied. Although the amounts received would be small, the library could charge certain fees for miscellaneous services such as copies of documents, publications or movie rentals.

3. Recommended Funding

Upon opening a library, a significant portion of the funding would most likely come from the General Fund. Implementation of a development impact fee program could help offset some of the capital improvements cost for the construction of a library. Other funding sources include the establishment of a community facilities district, or the pursuit for funds from the California Literacy Campaign Fund and the State Public Library Fund.

F. Park and Recreational Facilities

1. Current Funding

Park and recreational facilities are currently financed by property and sales taxes from the General Fund, and by user fees for recreational activities and pool use.

2. Cost Avoidance Opportunities

Although not a recommendation, discussions with the school district for joint utilization of the school grounds could increase the availability recreational opportunities.

3. Recommended Funding

Current funding sources should continue to be used as a source for financing park and recreational facilities. In addition, it is recommended that the city require developers of new subdivisions to dedicate parkland and/or pay development impact fees to mitigate impacts to park facilities created by the new development in accordance with the Quimby Act (Government Code Sections 66477-66477.3). It would also be beneficial to develop and implement a five-year capital improvement plan for all park and recreational facilities within the city.

G. Circulation Facilities

1. Current Funding

Funding for circulation facilities is provided by the General Fund, Motor Vehicle-In-Lieu Tax, State Gas Tax and the Local Transportation Authority (LTA) Measure D Sales Tax Fund as well as developer funding. Developer funding is used to construct required street improvements associated with a project.

2. Cost Avoidance Opportunities

Since Center Street is used extensively for the movement of regional traffic, Caltrans could possibly share in the cost of repairs and maintenance of a portion of Center Street south of Highway 86. After the Baughman Road by-pass is complete, Caltrans could share in cost responsibility for this facility.

3. Recommended Funding

Current funding sources for circulation facilities should continue to be used. Additional funding will be provided through the collection of development impact fees. Additionally, there are several funding sources for circulation facilities such as community facilities district, special assessment district, Certificate of Participation, Intermodal Surface Transportation Efficiency Act (ISTEA), Surface Transportation Program (STP), as well as Community Development Block Grants and other state and federal grants that should be pursued.

H. Wastewater Treatment and Sewer Facility Capacity

1. Current Funding

The primary sources of revenue for wastewater treatment and conveyance facilities are the sewer service charges, developer contributions and sewer capacity fees. The sewer service charges and developer contributions function to subsidize off-site facilities such as sewer interceptors and wastewater treatment plants. The city will continue to utilize these funding sources in addition to searching for other sources to improve the existing system in order to meet future demand.

2. Cost Avoidance Opportunities

In order to reduce wastewater treatment facilities capital improvement costs, the city of Westmorland could require future developers to install critical links in needed sewerage facilities. Also, outsourcing services requiring a special projects manager for some of the city's wastewater treatment and conveyance system capital improvement projects could reduce cost.

3. Recommended Funding

The current fee structure will need to be reviewed annually and during proposed annexations to ensure that there is sufficient funding to provide wastewater service to new development. Special assessment districts, community facilities districts, local bond issuance and development impact fees should be considered as alternative funding sources for wastewater treatment and conveyance facilities. Also, State and Federal grant and loan programs are available such as *USDA Water and Waste Disposal Loans* and *Grants for Public Works and Infrastructure Development* and the *State Revolving Fund (SRF Loan) For Construction of Wastewater Treatment Facilities*. Other sources used recently for the expansion of the Wastewater Treatment Plant include the *Small Communities Grant*, the *Border Environmental Infrastructure Fund*, and the *SCG Design Grant*. Other grants came from the United States Department of Agriculture - Rural Development and the State of California Water Resources Control Board. The city of Westmorland should consider these programs for additional assistance in providing for adequate wastewater facilities to its residents.

I. Water Facilities

1. Current Funding

The primary sources of revenue for water treatment and distribution facilities are the water service charges, water connection fees and water turn on fees. Developer funding is used for individual internal project water improvements. The city will continue to utilize these funding sources in addition to searching for other sources to improve the existing system in order to meet future demand.

2. Cost Avoidance Opportunities

In order to reduce water facilities maintenance and capital improvements costs, the city of Westmorland could outsource services requiring a special projects manager for some of the city's water treatment and water conveyance system capital improvement projects.

3. Recommended Funding

The current fee structure will need to be reviewed annually and during proposed annexations to ensure that there is sufficient funding to supply water service to new development. Special assessment districts, community facilities districts, local bond issuance and development impact fees should be considered as alternative funding sources for water treatment and distribution facilities. Also, State and Federal grant and loan programs are available such as *USDA Water and Waste Disposal Loans* and *Grants for Public Works and Infrastructure Development.* The city of Westmorland should consider these programs for additional assistance in providing for adequate potable water to the residents of the city of Westmorland.

APPENDICES

A. Land Use Survey and Build Out Analysis Tables

B. Agreement for Fire Protection Services

C. City of Westmorland Draft 2004 - 2005 Budget

D. City of Westmorland Infrastructure Estimate

E. National Pollutant Discharge Elimination System Permit

A. Land Use Survey and Build Out Analysis Tables

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Residential Land Uses within Sphere of Influence

Assessor Parcel Number	Inside/Outside City Limits	Existing Sqaure Footage	Existing Acreage	Existing Single Family D.U.s	Existing Mobile Home	Existing Multi Family D.U.s	Land Use Designation	Future D.U.s	Control Point (*Note 1*)	Potential Buildout D.U.s	Actual Buildout D.U.s
035-221-01	O		4.44	0	0	0	R-1	17	4	17.76	17
035-221-02	O		4.44	0	0	0	R-1	17	4	17.76	17
035-221-06	I	10000.50	0.23	1	0	0	R-1	0	4	0.92	1
035-221-07	I	9831.00	0.23	1	0	0	R-1	0	4	0.90	1
035-221-08	I	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-14	I	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-09	I	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-10	I	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-11	I	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-16	I	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-17	I	20340.00	0.47	1	0	0	R-1	0	4	1.87	1
035-221-28	I	9914.00	0.23	1	0	0	R-1	0	4	0.91	1
035-221-27	I	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-26	I	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-25	I	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-24	I	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-23	I	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-22	I	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-21	I	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-20	I	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-19	I	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-18	I	10470.00	0.24	1	0	0	R-1	0	4	0.96	1
035-221-39	I	9905.00	0.23	1	0	0	R-1	0	4	0.91	1
035-221-38	I	8737.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-37	I	8737.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-36	I	8737.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-35	I	8736.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-34	I	8735.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-33	I	8735.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-32	I	8734.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-31	I	8734.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-30	I	8734.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-29	I	9887.00	0.23	1	0	0	R-1	0	4	0.91	1
035-221-03	O		8.88	0	0	0	R-1	35	4	35.52	35
035-221-04	O		8.90	0	0	0	R-1	35	4	35.60	35
035-222-01	O		18.56	0	0	0	R-1	74	4	74.24	74
035-222-02	O		18.56	0	0	0	R-1	74	4	74.24	74
035-233-09	I	9657.00	0.22	1	0	0	R-1	0	4	0.89	1
035-233-08	I	6976.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-07	I	6976.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-06	I	6975.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-05	I	6975.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-04	I	6974.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-03	I	6974.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-02	I	6973.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-01	I	8316.00	0.19	1	0	0	R-1	0	4	0.76	1
035-233-10	I	8059.00	0.19	1	0	0	R-1	0	4	0.74	1
035-233-11	I	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-12	I	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-13	I	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-14	I	8346.00	0.19	1	0	0	R-1	0	4	0.77	1
035-233-15 (*Note 2*)	I	7530.04	0.17	1	0	0	R-1	0	4	0.69	1
035-233-16 (*Note 2*)	I	13992.68	0.32	1	0	0	R-1	0	4	1.28	1
035-233-17 (*Note 2*)	I	10744.81	0.25	1	0	0	R-1	0	4	0.99	1
035-233-18 (*Note 2*)	I	12012.20	0.28	1	0	0	R-1	0	4	1.10	1
035-233-19 (*Note 2*)	I	10762.73	0.25	1	0	0	R-1	0	4	0.99	1
035-233-20 (*Note 2*)	I	14046.05	0.32	1	0	0	R-1	0	4	1.29	1
035-233-21 (*Note 2*)	I	7530.04	0.17	1	0	0	R-1	0	4	0.69	1
035-233-22	I	7246.00	0.17	1	0	0	R-1	0	4	0.67	1
035-233-23	I	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-24	I	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-25	I	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-26	I	8059.00	0.19	1	0	0	R-1	0	4	0.74	1
035-233-27	I	8322.00	0.19	1	0	0	R-1	0	4	0.76	1
035-233-28	I	6977.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-29	I	6976.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-30	I	6976.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-31	I	6976.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-32	I	6974.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-33	I	6973.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-34	I	6972.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-35	I	9660.00	0.22	1	0	0	R-1	0	4	0.89	1
035-232-08	O		1.56	0	3		R-1	3	4	6.24	6
035-232-09	O		1.57	0	0	0	R-1	6	4	6.28	6
035-232-02	O		5.76	0	0	0	R-1	23	4	23.04	23

035-232-03	O		1.00	0	0	0	R-1	4	4	4.00	4
035-232-04 (Portion of)	O	344379.68	7.91	0	0	0	R-1	31	4	31.62	31
035-241-19	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-18	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-17	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-16	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-15	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-14	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-20	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-21	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-12	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-11	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-10	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-09	I	6310.00	0.14	1	0	0	R-1	0	4	0.58	1
035-241-22	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-23	I	6713.00	0.15	0	1	0	R-1	0	4	0.62	1
035-241-24	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-25	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-26	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-27	I	6713.00	0.15	0	1	0	R-1	0	4	0.62	1
035-241-28	I	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-241-04	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-05	I	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-241-06	I	6713.00	0.15	0	1	0	R-1	0	4	0.62	1
035-241-07	I	13022.00	0.30	1	0	0	R-1	0	4	1.20	1
035-242-18	I	13425.00	0.31	1	0	0	R-1	0	4	1.23	1
035-242-17	I	6713.00	0.15	0	1	0	R-1	0	4	0.62	1
035-242-16	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-242-20	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-242-19	I	13425.00	0.31	1	0	0	R-1	0	4	1.23	1
035-242-14	I	13425.00	0.31	0	0	0	R-1	1	4	1.23	1
035-242-13	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-242-12	I	13022.00	0.30	1	0	0	R-1	0	4	1.20	1
035-242-01	I	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-242-02	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-242-03	I	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-242-04	I	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-242-05	I	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-242-06	I	13425.00	0.31	1	0	0	R-1	0	4	1.23	1
035-242-21	I	13425.00	0.31	1	0	0	R-1	0	4	1.23	1
035-242-09	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
034-242-10	I	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-242-11	I	6310.00	0.14	1	0	0	R-1	0	4	0.58	1
035-250-01	O		12.50	0	0	0	R-1	50	4	50.00	50
035-250-19	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-20	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-03	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-04	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-05	I	7000.00	0.16	0	0	0	R-1	1	4	0.64	1
035-250-06	I	7000.00	0.16	0	0	0	R-1	1	4	0.64	1
035-250-07	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-08	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-09	I	7000.00	0.16	0	0	0	R-1	1	4	0.64	1
035-250-10	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-11	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-12	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-13	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-14	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-15	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-16	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-17	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-18	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-15 (Portion of)	O	392189.20	9.00	0	0	0	R-2	36	4	36.01	36
035-260-02	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-03	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-04	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-05	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-06	I	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-07	I	7000.00	0.16	2	0	0	R-1	0	4	0.64	2
035-260-12	I	15000.00	0.34	1	0	0	R-1	0	4	1.38	1
035-260-11	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-260-10	I	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-260-09	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-260-08	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-272-01	I	7500.00	0.17	0	0	0	R-2	2	12	2.07	2
035-272-02	I	7500.00	0.17	0	0	0	R-2	2	12	2.07	2
035-272-03	I	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-04	I	7500.00	0.17	0	0	0	R-2	2	12	2.07	2
035-272-05	I	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-06	I	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-07	I	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-08	I	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-09	I	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-10	I	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-11	I	4875.00	0.11	0	0	0	R-2	1	12	1.34	1

035-281-01		4575.00	0.11	1	0	0	R-1	0	4	0.42	1
035-281-02		4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-281-03		4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-281-04		8784.00	0.20	1	0	0	R-1	0	4	0.81	1
035-281-05		4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-281-06		4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-281-07		4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-281-08		4620.75	0.11	1	0	0	R-1	0	4	0.42	1
035-281-09			2.71	0	0	36	R-4	45	30	81.30	81
035-282-01		8400.00	0.19	1	0	0	R-2	1	12	2.31	2
035-282-02		8400.00	0.19	0	0	0	R-2	2	12	2.31	2
035-282-03		8400.00	0.19	1	0	0	R-2	1	12	2.31	2
035-282-04		8400.00	0.19	1	0	0	R-2	1	12	2.31	2
035-282-05		8400.00	0.19	1	0	0	R-2	1	12	2.31	2
035-282-06		8400.00	0.19	0	1	0	R-2	1	12	2.31	2
035-282-07		8400.00	0.19	1	0	0	R-2	1	12	2.31	2
035-282-23		8975.00	0.21	1	0	0	R-2	1	12	2.47	2
035-282-22		8975.00	0.21	1	0	0	R-2	1	12	2.47	2
035-282-08		17950.00	0.41	1	0	0	R-2	3	12	4.94	4
035-282-21		4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-20		4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-19		4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-18		4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-17		4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-16		4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-15		4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-14		4212.50	0.10	1	0	0	R-2	0	12	1.16	1
035-282-13		4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-12		4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-11		8425.00	0.19	0	0	0	R-2	2	12	2.32	2
035-282-25		9941.50	0.23	1	0	0	R-2	1	12	2.74	2
035-282-26		4985.50	0.11	1	0	0	R-2	0	12	1.37	1
035-283-01		9240.00	0.21	0	0	0	R-2	2	12	2.55	2
035-283-02		9240.00	0.21	0	0	0	R-2	2	12	2.55	2
035-283-03		9240.00	0.21	1	0	0	R-2	1	12	2.55	2
035-283-04		9240.00	0.21	0	0	0	R-2	2	12	2.55	2
035-283-05		9452.00	0.22	0	0	2	R-2	0	12	2.60	2
035-283-06		6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-283-07		6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-283-08		8975.00	0.21	0	0	3	R-2	-1	12	2.47	2
035-283-09		8975.00	0.21	0	0	3	R-2	-1	12	2.47	2
035-283-18		8975.00	0.21	0	0	0	R-2	2	12	2.47	2
035-283-19		8975.00	0.21	0	0	0	R-2	2	12	2.47	2
035-283-17		16850.00	0.39	3	0	0	R-2	1	12	4.64	4
035-283-16		12637.50	0.29	1	0	0	R-2	2	12	3.48	3
035-283-15		4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-283-14		1000.00	0.02	0	0	0	R-2	1	12	0.28	1
035-283-10		3475.00	0.08	0	0	0	R-2	1	12	0.96	1
035-283-11		3475.00	0.08	0	0	0	R-2	1	12	0.96	1
035-291-01		4392.00	0.10	0	0	0	R-1	1	4	0.40	1
035-291-02		4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-291-03		4392.00	0.10	2	0	0	R-1	-1	4	0.40	1
035-291-04		4392.00	0.10	2	0	0	R-1	-1	4	0.40	1
035-291-05		4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-291-06		4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-291-07		4575.00	0.11	1	0	0	R-1	0	4	0.42	1
035-291-08			1.97	0	0	32	R-4	27	30	59.10	59
035-292-01		16000.00	0.37	1	0	0	R-1	0	4	1.47	1
035-292-02		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-292-03		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-292-04		8000.00	0.18	0	1	0	R-1	0	4	0.73	1
035-292-05		17440.00	0.40	0	0	0	R-1	1	4	1.60	1
035-292-11		8000.00	0.18	1	0	1	R-1	-1	4	0.73	1
035-292-10		8000.00	0.18	1	0	1	R-1	-1	4	0.73	1
035-292-09		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-292-08		8000.00	0.18	0	0	0	R-1	1	4	0.73	1
035-292-07		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-292-13		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-292-12		9440.00	0.22	1	0	0	R-1	0	4	0.87	1
035-293-01		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-293-02		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-293-03		16000.00	0.37	0	0	0	R-1	1	4	1.47	1
035-293-10		32000.00	0.73	0	0	13	R-1	-11	4	2.94	2
035-293-04		6950.00	0.16	0	0	0	R-1	1	4	0.64	1
035-293-05		6950.00	0.16	0	0	0	R-1	1	4	0.64	1
035-293-06		6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-293-07		6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-293-08		6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-293-09		9730.00	0.22	1	0	0	R-1	0	4	0.89	1
035-301-13		13900.00	0.32	3	0	0	R-1	-2	4	1.28	1
035-301-12		6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-301-11		6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-301-10		6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-301-09		9730.00	0.22	1	0	0	R-1	0	4	0.89	1
035-301-14		8000.00	0.18	1	0	0	R-1	0	4	0.73	1

035-301-15		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-301-02		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-301-03		4000.00	0.09	1	0	0	R-1	0	4	0.37	1
035-301-04		4000.00	0.09	1	0	0	R-1	0	4	0.37	1
035-301-05		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-301-06		8000.00	0.18	0	0	2	R-1	-1	4	0.73	1
035-301-07		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-301-08		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-302-01		9440.00	0.22	2	0	0	R-1	-1	4	0.87	1
035-302-02		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-302-10		2720.00	0.06	0	0	0	R-1	1	4	0.25	1
035-302-11		13280.00	0.30	1	0	0	R-1	0	4	1.22	1
035-302-04		24000.00	0.55	4	0	0	R-1	-2	4	2.20	2
035-302-09		9440.00	0.22	2	0	0	R-1	-1	4	0.87	1
035-302-08		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-302-07		16000.00	0.37	1	0	0	R-1	0	4	1.47	1
035-302-05		13200.00	0.30	1	0	0	R-1	0	4	1.21	1
035-302-12		5400.00	0.12	1	0	0	R-1	0	4	0.50	1
035-302-13		5400.00	0.12	1	0	0	R-1	0	4	0.50	1
035-303-01		5450.00	0.13	0	1	0	R-1	0	4	0.50	1
035-303-02		5450.00	0.13	1	0	0	R-1	0	4	0.50	1
035-303-03		5995.00	0.14	1	0	0	R-1	0	4	0.55	1
035-303-13		8720.00	0.20	1	0	0	R-1	0	4	0.80	1
035-303-12		8720.00	0.20	1	0	0	R-1	0	4	0.80	1
035-303-04		16000.00	0.37	1	0	0	R-1	0	4	1.47	1
035-303-05		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-303-06		8000.00	0.18	2	0	0	R-1	-1	4	0.73	1
035-303-07		8000.00	0.18	0	0	0	R-1	1	4	0.73	1
035-303-11		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-303-10		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-303-09		8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-303-08		16000.00	0.37	1	0	0	R-1	0	4	1.47	1
035-311-17		37252.00	0.86	2	0	4	R-2	4	12	10.26	10
035-311-16		3475.00	0.08	0	0	0	R-2	1	12	0.96	1
035-311-15		6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-311-14		6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-311-13		6046.50	0.14	0	0	0	R-2	1	12	1.67	1
035-311-01		8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-02		8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-03		8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-04		8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-05		5000.00	0.11	1	0	0	R-1	0	4	0.46	1
035-311-06		5000.00	0.11	0	0	0	R-1	1	4	0.46	1
035-311-07		10000.00	0.23	1	0	0	R-1	0	4	0.92	1
035-311-08		8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-09		8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-10		8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-11		4212.50	0.10	1	0	0	R-1	0	4	0.39	1
035-311-12		4212.50	0.10	0	0	0	R-1	1	4	0.39	1
035-312-19		4956.00	0.11	1	0	0	R-1	0	4	0.46	1
035-312-20		4956.00	0.11	1	0	0	R-1	0	4	0.46	1
035-312-02		8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-313-03		8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-312-04		16800.00	0.39	1	0	0	R-1	0	4	1.54	1
035-312-05		6300.00	0.14	1	0	0	R-1	0	4	0.58	1
035-312-06		10500.00	0.24	1	0	0	R-1	0	4	0.96	1
035-312-07		8975.00	0.21	1	0	0	R-1	0	4	0.82	1
035-312-08		8975.00	0.21	1	0	0	R-1	0	4	0.82	1
035-312-14		17950.00	0.41	1	0	0	R-1	0	4	1.65	1
035-312-13		16260.25	0.37	1	0	0	R-1	0	4	1.49	1
035-312-12		6150.25	0.14	1	0	0	R-1	0	4	0.56	1
035-312-11		10531.25	0.24	1	0	0	R-1	0	4	0.97	1
035-312-18		8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-312-17		2106.25	0.05	0	0	0	R-1	1	4	0.19	1
035-312-16		8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-312-15		8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-313-01		9912.00	0.23	2	0	0	R-1	-1	4	0.91	1
035-313-02		16800.00	0.39	1			R-1	0	4	1.54	1
035-313-14		16800.00	0.39	0	0	0	R-1	1	4	1.54	1
035-313-15		8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-313-04		4200.00	0.10	1	0	0	R-1	0	4	0.39	1
035-313-05		4200.00	0.10	1	0	0	R-1	0	4	0.39	1
035-313-06		8975.00	0.21	1	0	0	R-1	0	4	0.82	1
035-313-07		8975.00	0.21	1	0	0	R-1	0	4	0.82	1
035-313-13		8975.00	0.21	1	0	0	R-1	0	4	0.82	1
035-313-12		8975.00	0.21	0	0	0	R-1	1	4	0.82	1
035-313-11		18312.00	0.42	2	0	0	R-1	-1	4	1.68	1
035-313-10		8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-313-09		8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-313-08		16800.00	0.39	1	0	0	R-1	0	4	1.54	1
035-321-03		3750.00	0.09	0	0	0	R-1	1	4	0.34	1
035-321-04		3750.00	0.09	0	0	0	R-1	1	4	0.34	1
035-321-05		7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-321-06		7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-321-07		7500.00	0.17	2	0	0	R-1	-1	4	0.69	1

035-322-01	I	8850.00	0.20	1	0	0	R-1	0	4	0.81	1
035-322-02	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-322-03	I	11250.00	0.26	1	0	0	R-1	0	4	1.03	1
035-322-04	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-322-05	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-322-06	I	3750.00	0.09	1	0	0	R-1	0	4	0.34	1
035-322-07	I	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-323-01	I	17190.00	0.39	1	0	0	R-1	0	4	1.58	1
035-323-02	I	7750.00	0.18	0	0	0	R-1	1	4	0.71	1
035-323-10	I	7750.00	0.18	1	0	0	R-1	0	4	0.71	1
035-323-11	I	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-323-04	I	16000.00	0.37	1	0	0	R-1	0	4	1.47	1
035-323-05	I	12037.50	0.28	0	0	0	R-1	1	4	1.11	1
035-323-06	I	12037.50	0.28	1	0	0	R-1	0	4	1.11	1
035-323-07	I	8025.00	0.18	1	0	0	R-1	0	4	0.74	1
035-323-08	I	25519.50	0.59	0	0	8	R-4	9	30	17.58	17
035-323-09	I	750.00	0.02	0	0	0	R-1	1	4	0.07	1
035-330-01 (portion of)	I	371100.00	8.52	0	0	0	R-1	34	4	34.08	34
035-341-03	I		2.23	0	0	0	R-1	8	4	8.92	8
035-341-04	O		2.23	0	0	0	R-1	8	4	8.92	8
035-341-07	O		4.40	0	0	0	R-1	17	4	17.60	17
035-341-11	O		16.40	0	0	0	R-1	65	4	65.60	65
035-341-08	O		0.52	1	0	0	R-1	1	4	2.08	2
035-351-15	I	11954.00	0.27	1	0	0	R-1	0	4	1.10	1
035-351-14	I	6672.00	0.15	1	0	0	R-1	0	4	0.61	1
035-351-13	I	7506.00	0.17	1	0	0	R-1	0	4	0.69	1
035-351-12	I	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-351-11	I	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-351-10	I	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-351-09	I	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-351-08	I	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-351-01	I	21800.00	0.50	1	0	0	R-1	1	4	2.00	2
035-351-02	I	21800.00	0.50	1	0	0	R-1	1	4	2.00	2
035-351-03	I	9000.00	0.21	1	0	0	R-1	0	4	0.83	1
035-351-04	I	6400.00	0.15	1	0	0	R-1	0	4	0.59	1
035-351-05	I	6400.00	0.15	1	0	0	R-1	0	4	0.59	1
035-351-06	I	10900.00	0.25	0	0	0	R-1	1	4	1.00	1
035-351-07	I	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-352-18	I	8652.00	0.20	1	0	0	R-1	0	4	0.79	1
035-352-20	I	4620.00	0.11	1	0	0	R-1	0	4	0.42	1
035-352-02	I	3540.00	0.08	1	0	0	R-1	0	4	0.33	1
035-352-21	I	1500.00	0.03	0	0	0	R-1	1	4	0.14	1
035-352-03	I	16350.00	0.38	1	0	0	R-1	0	4	1.50	1
035-352-04	I	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-352-05	I	18530.00	0.43	1	0	0	R-1	0	4	1.70	1
035-352-06	I	6760.00	0.16	1	0	0	R-1	0	4	0.62	1
035-352-07	I	7410.00	0.17	1	0	0	R-1	0	4	0.68	1
035-352-14	I	4800.00	0.11	1	0	0	R-1	0	4	0.44	1
035-352-15	I	6100.00	0.14	1	0	0	R-1	0	4	0.56	1
035-352-16	I	6100.00	0.14	1	0	0	R-1	0	4	0.56	1
035-352-13	I	4800.00	0.11	0	0	0	R-1	1	4	0.44	1
035-352-17	I	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-352-11	I	10900.00	0.25	0	0	0	R-1	1	4	1.00	1
035-352-12	I	34662.00	0.80	5	0	0	R-1	-2	4	3.18	3
035-353-01	I	156524.00	3.59	0	0	0	R-1	14	4	14.37	14
035-361-14	I	17375.00	0.40	1	0	4	R-1	-4	4	1.60	1
035-361-13	I	6950.00	0.16	0	0	0	R-1	1	4	0.64	1
035-361-12	I	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-361-11	I	6950.00	0.16	0	0	2	R-1	-1	4	0.64	1
035-361-10	I	6324.50	0.15	1	0	0	R-1	0	4	0.58	1
035-361-01	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-361-02	I	11250.00	0.26	1	0	0	R-1	0	4	1.03	1
035-361-03	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-361-04	I	3750.00	0.09	1	0	0	R-1	0	4	0.34	1
035-361-05	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-361-06	I	3750.00	0.09	0	0	0	R-1	1	4	0.34	1
035-361-07	I	11250.00	0.26	1	0	0	R-1	0	4	1.03	1
035-361-08	I	2500.00	0.06	0	0	0	R-1	1	4	0.23	1
035-361-09	I	5000.00	0.11	1	0	0	R-1	0	4	0.46	1
035-362-01	I	8850.00	0.20	1	0	0	R-1	0	4	0.81	1
035-362-02	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-362-03	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-362-04	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-362-14	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-362-15	I	3750.00	0.09	1	0	0	R-1	0	4	0.34	1
035-362-07	I	11250.00	0.26	1	0	0	R-1	0	4	1.03	1
035-362-08	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-362-09	I	11250.00	0.26	1	0	0	R-1	0	4	1.03	1
035-362-10	I	11250.00	0.26	2	0	0	R-1	-1	4	1.03	1
035-362-11	I	7200.00	0.17	1	0	0	R-1	0	4	0.66	1
035-362-12	I	7800.00	0.18	0	0	0	R-1	1	4	0.72	1
035-362-13	I	8850.00	0.20	1	0	0	R-1	0	4	0.81	1
035-363-01 (*Note 3*)	I	115239.00	2.65	0	0	0	R-1	10	4	10.58	10
035-371-19	I	2500.00	0.06	1	0	0	R-2	0	12	0.69	1
035-371-20	I	2500.00	0.06	0	0	0	R-2	1	12	0.69	1

Note This area

035-371-21	I	2500.00	0.06	0	0	0	R-2	1	12	0.69	1
035-371-12	I	7500.00	0.17	1	0	0	R-2	1	12	2.07	2
035-371-23	I	16500.00	0.38	?	?	?	R-2	0	12	4.55	4
035-372-08	I	15000.00	0.34	1	0	0	R-1	0	4	1.38	1
035-372-09	I	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-372-10	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-372-11	I	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-372-12	I	3750.00	0.09	0	0	0	R-1	1	4	0.34	1
035-372-13	I	3750.00	0.09	0	0	0	R-1	1	4	0.34	1
035-371-14	I	3750.00	0.09	1	0	0	R-1	0	4	0.34	1
035-371-15	I	5100.00	0.12	1	0	0	R-1	0	4	0.47	1
035-381-02	I	12352.50	0.28	1	0	0	R-2	2	12	3.40	3
035-381-03	I	4117.50	0.09	1	0	0	R-2	0	12	1.13	1
035-382-09	I	8850.00	0.20	1	0	0	R-2	1	12	2.44	2
035-382-10	I	11250.00	0.26	1	0	0	R-2	2	12	3.10	3
035-382-11	I	11250.00	0.26	1	0	0	R-2	2	12	3.10	3
035-382-12	I	10650.00	0.24	1	0	0	R-2	1	12	2.93	2
035-382-13	I	11850.00	0.27	1	0	0	R-2	2	12	3.26	3
035-383-12	I	7500.00	0.17	1	0	0	R-2	1	12	2.07	2
035-383-13	I	7500.00	0.17	0	0	0	R-2	2	12	2.07	2
035-383-14	I	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-383-15	I	11250.00	0.26	5	0	0	R-2	-2	12	3.10	3
035-391-04	I		1.97	23	0	0	R-2	0	12	23.64	23
035-392-01	I	3750.00	0.09	1	0	0	R-2	0	12	1.03	1
035-392-02	I	3750.00	0.09	1	0	0	R-2	0	12	1.03	1
035-392-03	I	11250.00	0.26	1	0	0	R-2	2	12	3.10	3
035-392-04	I	5625.00	0.13	1	0	0	R-2	0	12	1.55	1
035-392-05	I	5625.00	0.13	1	0	0	R-2	0	12	1.55	1
035-392-17	I	11250.00	0.26	1	0	0	R-2	2	12	3.10	3
035-392-08	I	12600.00	0.29	4	0	0	R-2	-1	12	3.47	3
035-392-09	I	4425.00	0.10	1	0	0	R-1	0	4	0.41	1
035-392-10	I	4425.00	0.10	1	0	0	R-1	0	4	0.41	1
035-392-11	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-392-12	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-392-13	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-392-14	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-392-15	I	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-392-16	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-393-01	I	15000.00	0.34	4	0	0	R-2	0	12	4.13	4
035-393-02	I	7500.00	0.17	1	0	0	R-2	1	12	2.07	2
035-393-03	I	7500.00	0.17	1	0	0	R-2	1	12	2.07	2
035-393-04	I	6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-393-16	I	6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-393-15	I	6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-393-07	I	6950.00	0.16	0	0	3	R-1	-2	4	0.64	1
035-393-08	I	10425.00	0.24	1	0	0	R-1	0	4	0.96	1
035-393-09	I	6324.50	0.15	0	0	0	R-1	1	4	0.58	1
035-393-10	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-393-11	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-393-12	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-393-13	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-401-03 (*Note 2*)	I	6915.09	0.16	1	0	0	R-1	0	4	0.63	1
035-401-04 (*Note 2*)	I	8346.09	0.19	1	0	0	R-1	0	4	0.77	1
035-401-05 (*Note 2*)	I	7793.34	0.18	1	0	0	R-1	0	4	0.72	1
035-401-06 (*Note 2*)	I	6227.14	0.14	1	0	0	R-1	0	4	0.57	1
035-401-07 (*Note 2*)	I	9509.80	0.22	1	0	0	R-1	0	4	0.87	1
035-401-08 (*Note 2*)	I	10078.33	0.23	1	0	0	R-1	0	4	0.93	1
035-401-09	I	7079.36	0.16	1	0	0	R-1	0	4	0.65	1
035-401-10	I	7091.82	0.16	1	0	0	R-1	0	4	0.65	1
035-401-11	I	7091.82	0.16	1	0	0	R-1	0	4	0.65	1
035-401-12	I	5750.75	0.13	1	0	0	R-1	0	4	0.53	1
035-401-13	I	5752.12	0.13	1	0	0	R-1	0	4	0.53	1
035-401-14	I	7091.82	0.16	1	0	0	R-1	0	4	0.65	1
035-401-15	I	7091.82	0.16	1	0	0	R-1	0	4	0.65	1
035-401-16	I	7035.97	0.16	1	0	0	R-1	0	4	0.65	1
035-401-17	I	7267.90	0.17	1	0	0	R-1	0	4	0.67	1
035-402-01		10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-02	I	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-03	I	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-04	I	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-05	I	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-06	I	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-07	I	12862.00	0.30	0	0	0	R-1	1	4	1.18	1
035-402-08	I	6372.00	0.15	1	0	0	R-1	0	4	0.59	1
035-402-09	I	6490.00	0.15	1	0	0	R-1	0	4	0.60	1
035-402-10	I	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-11	I	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-12	I	10900.00	0.25				R-1	1	4	1.00	1
035-402-13	I	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-15	I	5000.00	0.11	1	0	0	R-1	0	4	0.46	1
035-402-16	I	2750.00	0.06	1	0	0	R-1	0	4	0.25	1
035-402-17	I	2250.00	0.05	1	0	0	R-1	0	4	0.21	1
035-402-18	I	11800.00	0.27	2	0	0	R-1	-1	4	1.08	1
035-410-15 (Portion of)	I	200864.00	4.61	0	0	0	R-1	18	4	18.44	18
035-420-01	O		13.11	1	0	0	R-1	51	4	52.44	52

035-420-02	O		0.42	0	0	0	R-1	1	4	1.68	1	
035-420-03	O		2.26	1	0	0	R-1	8	4	9.04	9	
035-420-04	O		2.26	1	0	0	R-1	8	4	9.04	9	
035-420-13	O		13.09	4	0	0	R-1	48	4	52.36	52	
035-420-17	O		1.15	0	0	0	R-1	4	4	4.60	4	
035-420-16	O		0.30	0	0	0	R-1	1	4	1.20	1	
035-420-14	O		0.47	1	0	0	R-1	0	4	1.88	1	
035-420-12	O		0.88	1	0	0	R-1	2	4	3.52	3	
035-420-11	O		0.62	1	0	0	R-1	1	4	2.48	2	
035-420-10	O	34125.00	0.78	1	0	0	R-1	2	4	3.13	3	
035-420-09	O	16625.00	0.38	1	0	0	R-1	0	4	1.53	1	
035-420-08	O	15750.00	0.36	1	0	0	R-1	0	4	1.45	1	
035-431-28	O	105046.50	2.41	1	0	0	R-1	8	4	9.65	9	
035-431-29	I	7500.00	0.17	1	0	0	R-1	0	4	0.69	1	
035-431-30	O	21965.90	0.50	1	0	0	R-1	1	4	2.02	2	
035-431-03	O	10450.00	0.24	0	0	0	R-1	1	4	0.96	1	
035-431-04	O	33105.60	0.76	0	0	0	R-1	3	4	3.04	3	
035-431-05	O		1.51	1	0	0	R-1	5	4	6.04	6	
035-431-06	O		0.90	1	0	0	R-1	2	4	3.60	3	
035-431-07	O		0.61	1	0	0	R-1	1	4	2.44	2	
035-431-34	I	47025.00	1.08	0	0	0	R-1	4	4	4.32	4	
035-431-33	I	47025.00	1.08	0	0	0	R-1	4	4	4.32	4	
035-431-32	I	23760.00	0.55	0	0	0	R-1	2	4	2.18	2	
035-431-31	I	7500.00	0.17	0	0	0	R-1	1	4	0.69	1	
035-431-08	I	7575.00	0.17	1	0	0	R-2	1	12	2.09	2	
035-431-09	I	7500.00	0.17	1	0	0	R-2	1	12	2.07	2	
035-431-10	I	7500.00	0.17	1	0	0	R-2	1	12	2.07	2	
035-431-11	I	13350.00	0.31	1	0	0	R-2	2	12	3.68	3	
035-431-35	I	23340.00	0.54	1	0	0	R-2	5	12	6.43	6	
035-431-14	I	15900.00	0.37	1	0	0	R-2	3	12	4.38	4	
035-431-15	I	8102.40	0.19	0	0	0	R-2	2	12	2.23	2	
035-431-16	I	29520.00	0.68	4	0	0	R-2	4	12	8.13	8	
035-431-17	I	20400.00	0.47	1	0	0	R-2	4	12	5.62	5	
035-431-18	I	17220.00	0.40	1	0	0	R-2	3	12	4.74	4	
035-431-19	I	3240.00	0.07	0	0	0	R-2	1	12	0.89	1	
035-431-20	I	23040.00	0.53	1	0	0	R-2	5	12	6.35	6	
035-431-21	I	15360.00	0.35	1	0	0	R-2	3	12	4.23	4	
035-431-22	I	16800.00	0.39	1	0	0	R-2	3	12	4.63	4	
035-431-36	I	19200.00	0.44	1	0	0	R-2	4	12	5.29	5	
035-431-25	I		1.81	2	0	2	R-2	17	12	21.72	21	
035-432-01	I	10500.00	0.24	1	0	0	R-1	0	4	0.96	1	
035-432-02	I		8.10	0	0	0	R-1	32	4	32.40	32	*Note*
035-440-01 (*Note 4*)	O	36812.50	0.85	0	1		R-1	2	4	3.38	3	*Note* We have
035-440-02	O	36750.00	0.84	0	0	0	R-1	3	4	3.37	3	
035-440-03	O	36750.00	0.84	0	0	0	R-1	3	4	3.37	3	
035-440-04	O	36812.50	0.85	1	0	0	R-1	2	4	3.38	3	
035-451-08	I		0.62	4	0	0	R-1	-2	4	2.48	2	
035-451-15	I		0.26	1	0	0	R-1	0	4	1.04	1	
035-451-14	I		0.26	1	0	0	R-1	0	4	1.04	1	
035-451-16	O		1.08	1	0	0	R-1	3	4	4.32	4	
035-451-10	O		2.27	0	0	0	R-1	9	4	9.08	9	
035-451-11	O		0.23	0	1	0	R-1	0	4	0.92	1	
035-451-17	O		9.10	0	0	0	R-1	36	4	36.40	36	
035-451-03	O	21869.38	0.50	0	1	0	R-1	1	4	2.01	2	
035-451-04	O	21869.38	0.50	0	1	0	R-1	1	4	2.01	2	
035-451-12	O		1.15	1	0	0	R-1	3	4	4.60	4	
035-451-13 (Portion of)	O	388232.45	8.91	0	0	0	R-4	267	30	267.38	267	
035-451-13 (Portion of)	O	293952.36	6.75	0	0	0	R-1	26	4	26.99	26	
035-452-01	O		36.15	0	0	0	R-1	144	4	144.60	144	
035-461-01	I	7370.00	0.17	1	0	0	R-1	0	4	0.68	1	
035-461-02	I	6600.00	0.15	1	0	0	R-1	0	4	0.61	1	
035-461-03	I	7150.00	0.16	1	0	0	R-1	0	4	0.66	1	
035-461-04	I	7700.00	0.18	1	0	0	R-1	0	4	0.71	1	
035-461-05	I	7150.00	0.16	1	0	0	R-1	0	4	0.66	1	
035-461-06	I	6600.00	0.15	1	0	0	R-1	0	4	0.61	1	
035-461-07	I	7150.00	0.16	1	0	0	R-1	0	4	0.66	1	
035-461-08	I	7150.00	0.16	1	0	0	R-1	0	4	0.66	1	
035-461-09	I	8910.00	0.20	1	0	0	R-1	0	4	0.82	1	
035-462-01	I	7700.00	0.18	1	0	0	R-1	0	4	0.71	1	
035-462-02	I	3740.00	0.09	0	0	0	R-1	1	4	0.34	1	
035-462-03	I	3740.00	0.09	0	0	0	R-1	1	4	0.34	1	
035-462-04	I	8580.00	0.20	1	0	0	R-1	0	4	0.79	1	
035-462-05	I	7480.00	0.17	1	0	0	R-1	0	4	0.69	1	
035-462-06	I	8580.00	0.20	1	0	0	R-1	0	4	0.79	1	
035-462-07	I	7480.00	0.17	1	0	0	R-1	0	4	0.69	1	
035-462-08	I	8580.00	0.20	1	0	0	R-1	0	4	0.79	1	
035-462-09	I	9900.00	0.23	1	0	0	R-1	0	4	0.91	1	
035-462-17	I	8360.00	0.19	1	0	0	R-1	0	4	0.77	1	
035-462-16	I	7920.00	0.18	1	0	0	R-1	0	4	0.73	1	
035-462-15	I	7920.00	0.18	1	0	0	R-1	0	4	0.73	1	
035-462-14	I	7920.00	0.18	1	0	0	R-1	0	4	0.73	1	
035-462-13	I	7920.00	0.18	1	0	0	R-1	0	4	0.73	1	
035-462-12	I	7920.00	0.18	1	0	0	R-1	0	4	0.73	1	
035-462-11	I	7920.00	0.18	1	0	0	R-1	0	4	0.73	1	
035-462-10	I	9900.00	0.23	1	0	0	R-1	0	4	0.91	1	

035-463-01	I	8470.00	0.19	1	0	0	R-1	0	4	0.78	1
035-463-02	I	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-03	I	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-04	I	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-05	I	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-06	I	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-07	I	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-08	I	8470.00	0.19	1	0	0	R-1	0	4	0.78	1
		TOTALS:	**383.89**	**510**	**14**	**116**		**1503**		**2095.48**	**2147**

Note 1 Dwelling unit densities proved contradictory in the Westmorland General Plan (see pages LU-3 and LU-17). Final Control Point assumptions were made by Joel Hamby of the City of Westmorland.

Note 2 These parcels of land are irregular. We have taken the average length of the north & south and east & west sides to assume the general square footage of the parcel.

Note 3 This area is occupied by Elm School.

Note 4 Because of the ambiguity of the assessor's and zoning maps, we have assumed these parcels to be R-1 density because of their proximity and similarity to parcels with the same density.

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Commercial Land Within Sphere of Influence

Assessor Parcel Number		Existing Parcel Square Footage	Existing Acreage	Temporary D.Us/ Structures	Vacant / Underutilized Acreage	Land Use Designation	Percent Coverage - Existing Development	Percent Coverage - Future Development	Existing Building Square Footage	Future Building Square Footage	Build Out Building Square Footage	
035-260-15 (Portion of)	O	273,728.00	6.28	0.00	6.28	C	40%	30%	0.00	82,118.40	82,118.40	
035-260-14	I	32,234.40	0.74	0.00	0.00	C	40%	30%	12,893.76	0.00	12,893.76	*Restaurant
035-260-13	I	104,544.00	2.40	0.00	0.00	C	40%	30%	41,817.60	0.00	41,817.60	*Truck Stop
035-271-01	I	29,185.20	0.67	0.00	0.00	C	40%	30%	11,674.08	0.00	11,674.08	*Hotel
035-271-02	I	85,813.20	1.97	0.00	0.00	C	40%	30%	34,325.28	0.00	34,325.28	*Hotel
035-272-20	I	22,651.20	0.52	65.00	0.00	C	40%	30%	9,060.48	0.00	9,060.48	*65 Apartment Units
035-272-19	I	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-272-18	I	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-272-17	I	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-272-16	I	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-272-15	I	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-272-14	I	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-272-13	I	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-272-12	I	5,227.20	0.12	0.00	0.12	C	40%	30%	0.00	1,568.16	1,568.16	
035-273-07	I	6,950.00	0.16	0.00	0.00	C	40%	30%	2,787.84	0.00	2,787.84	*Abandoned
035-273-08	I	3,475.00	0.08	0.00	0.00	C	40%	30%	1,393.92	0.00	1,393.92	Church
035-273-09	I	3,475.00	0.08	0.00	0.00	C	40%	30%	1,393.92	0.00	1,393.92	"
035-273-10	I	3,475.00	0.08	0.00	0.00	C	40%	30%	1,393.92	0.00	1,393.92	"
035-273-11	I	3,475.00	0.08	0.00	0.00	C	40%	30%	1,393.92	0.00	1,393.92	"
035-273-17	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	"
035-273-16	I	11,250.00	0.26	0.00	0.00	C	40%	30%	4,530.24	0.00	4,530.24	*Parking Lot
035-273-15	I	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16	Retail
035-273-14	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	"
035-273-13	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	"
035-273-12	I	16,350.00	0.38	0.00	0.00	C	40%	30%	6,621.12	0.00	6,621.12	"
035-283-12	I	6,950.00	0.16	0.00	0.00	C	40%	30%	2,787.84	0.00	2,787.84	Future
035-283-13	I	12,891.50	0.30	0.00	0.00	C	40%	30%	5,227.20	0.00	5,227.20	Church
035-321-01	I	3,475.00	0.08	0.00	0.08	C	40%	30%	0.00	1,045.44	1,045.44	
035-321-02	I	17,375.00	0.40	0.00	0.00	C	40%	30%	6,969.60	0.00	6,969.60	*Welding
035-321-08	I	22,500.00	0.52	0.00	0.00	C	40%	30%	9,060.48	0.00	9,060.48	*Welding
035-321-12	I	11,250.00	0.26	0.00	0.00	C	40%	30%	4,530.24	0.00	4,530.24	*Tires
035-321-11	I	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-321-10	I	16,350.00	0.38	0.00	0.00	C	40%	30%	6,621.12	0.00	6,621.12	*Gas Station
035-322-08	I	7,500.00	0.17	1.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56	
035-322-09	I	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-322-14	I	13,500.00	0.31	1.00	0.31	C	40%	30%	0.00	4,051.08	4,051.08	
035-322-13	I	29,100.00	0.67	0.00	0.67	C	40%	30%	0.00	8,755.56	8,755.56	
035-371-01	I	3,400.00	0.08	0.00	0.08	C	40%	30%	0.00	1,045.44	1,045.44	
035-371-18	I	5,450.00	0.13	0.00	0.13	C	40%	30%	0.00	1,698.84	1,698.84	
035-371-03	I	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-371-04	I	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-371-05	I	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16	*Motel
035-371-06	I	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16	"
035-371-07	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	"
035-371-08	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	"
035-371-09	I	11,250.00	0.26	4.00	0.26	C	40%	30%	0.00	3,397.68	3,397.68	
035-371-22	I	20,850.00	0.48	0.00	0.00	C	40%	30%	8,363.52	0.00	8,363.52	*Dog Care
035-372-01	I	8,850.00	0.20	0.00	0.00	C	40%	30%	3,484.80	0.00	3,484.80	*Water
035-372-02	I	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16	"
035-372-03	I	11,250.00	0.26	0.00	0.26	C	40%	30%	0.00	3,397.68	3,397.68	
035-372-04	I	7,500.00	0.17	1.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56	
035-372-05	I	7,500.00	0.17	1.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56	
035-372-06	I	7,500.00	0.17	1.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56	
035-372-07	I	7,500.00	0.17	1.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56	
035-381-01*	I	12,855.75	0.30	0.00	0.00	C	40%	30%	5,227.20	0.00	5,227.20	*Hair Salon
035-381-06 (Portion of)	I	17,360.00	0.40	0.00	0.00	C	40%	30%	6,944.00	0.00	6,944.00	*Stage Shop
035-381-07 (Portion of)	I	25,440.00	0.58	0.00	0.00	C	40%	30%	10,176.00	0.00	10,176.00	"
035-382-01	I	11,250.00	0.26	0.00	0.00	C	40%	30%	4,530.24	0.00	4,530.24	*Towing Co.
035-382-02	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	"
035-382-03	I	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16	
035-382-04	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	*Fire
035-382-05	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	"
035-382-06	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	*Town Pump
035-382-07	I	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16	"
035-382-08	I	5,100.00	0.12	0.00	0.00	C	40%	30%	2,090.88	0.00	2,090.88	"
035-383-01	I	7,500.00	0.17	0.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56	
035-383-02	I	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-383-03	I	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12	
035-383-04	I	7,500.00	0.17	0.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56	
035-383-05	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	*El Sol
035-383-06	I	11,250.00	0.26	0.00	0.00	C	40%	30%	4,530.24	0.00	4,530.24	Market
035-383-07	I	12,600.00	0.29	0.00	0.00	C	40%	30%	5,052.96	0.00	5,052.96	*Restaurant
035-383-16	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	*Hardware
035-383-10	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	*Post Office
035-383-11	I	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08	"
035-410-13	I	86,684.40	1.99	0.00	0.00	C	40%	30%	34,673.76	0.00	34,673.76	*Packing Distribution
035-410-14	I	25,264.80	0.58	0.00	0.58	C	40%	30%	0.00	7,579.44	7,579.44	
TOTALS:		1,226,522.45	28.21						297,472.16	145,498.20	442,970.36	

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Industrial Land Uses Within Sphere of Influence

Assessor Parcel Number		Existing Sqaure Footage	Existing Acreage	Temporary D.U.s/Struc-tures	Vacant / Underutilized Acreage	Land Use Designation	Existing Use	Percent Coverage - Existing Development	Percent Coverage - Future Development	Future Building Square Footage	Build Out Building Square Footage
035-232-04 (Portion of)*	O	668,223.62	15.34	6		I	Outdoor Eqpmt Strg.	40%	30%		
035-232-05	O		0.68	1		I		40%	30%		
035-232-06	O		0.68	1		I		40%	30%		
035-232-07	O		0.17	1		I		40%	30%		
035-330-01 (Portion of)	O	1175892.2	26.99	0		I	Agriculture	40%	30%		
035-341-12	I		0.75	0		I	NR Packing House	40%	30%		
035-341-10	I		1.52	0		I	Vacant	40%	30%		
035-342-07	I		0.69	0		I	Vacant	40%	30%		
035-342-05	I		1.81	0		I	Vacant	40%	30%		
035-342-06	O		0.19	0		I	Vacant	40%	30%		
035-401-01	I	39894	0.92	0		I	Machine Shop	40%	30%		
035-410-09	O		13.54			I		40%	30%		
035-410-11	O		1.00	0		I		40%	30%		
035-410-12	O		1.26	1		I		40%	30%		
035-410-07	O		1.91	1		I		40%	30%		
035-410-08	O	15000	0.34	0		I		40%	30%		
035-410-15 (portion of)	I	454766.4	10.44	0	10.44	I	packing	40%	30%		
TOTALS:			78.24								

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Open Space Land Uses Within Sphere of Influence

Assessor Parcel Number		Existing Sqaure Footage	Existing Acreage	Existing Development	Land Use Designation
035-231-01	O		1.43	Pump Station	OS
035-231-04	O		16.18	Open Agricultural	OS
035-373-01	I	115059.5	2.64	Elm School	OS
035-403-01	I	156524	3.59	City Hall/Park	OS
035-050-25	I		15.72	Park	OS
035-050-19	I		14.34	Park/Sewer Treatment	OS
TOTALS:			53.90		

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Residential Land Uses Within City Limits

Assessor Parcel Number	Existing Sqaure Footage	Existing Acreage	Existing Single Family D.U.s	Existing Mobile Home	Existing Multi Family D.U.s	Land Use Designation	Future D.U.s	Control Point (*Note 1*)	Potential Buildout D.U.s	Actual Buildout D.U.s
035-221-06	10000.50	0.23	1	0	0	R-1	0	4	0.92	1
035-221-07	9831.00	0.23	1	0	0	R-1	0	4	0.90	1
035-221-08	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-14	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-09	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-10	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-11	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-16	10170.00	0.23	1	0	0	R-1	0	4	0.93	1
035-221-17	20340.00	0.47	1	0	0	R-1	0	4	1.87	1
035-221-28	9914.00	0.23	1	0	0	R-1	0	4	0.91	1
035-221-27	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-26	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-25	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-24	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-23	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-22	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-21	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-20	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-19	9249.00	0.21	1	0	0	R-1	0	4	0.85	1
035-221-18	10470.00	0.24	1	0	0	R-1	0	4	0.96	1
035-221-39	9905.00	0.23	1	0	0	R-1	0	4	0.91	1
035-221-38	8737.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-37	8737.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-36	8737.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-35	8736.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-34	8735.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-33	8735.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-32	8734.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-31	8734.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-30	8734.00	0.20	1	0	0	R-1	0	4	0.80	1
035-221-29	9887.00	0.23	1	0	0	R-1	0	4	0.91	1
035-233-09	9657.00	0.22	1	0	0	R-1	0	4	0.89	1
035-233-08	6976.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-07	6976.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-06	6975.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-05	6975.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-04	6974.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-03	6974.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-02	6973.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-01	8316.00	0.19	1	0	0	R-1	0	4	0.76	1
035-233-10	8059.00	0.19	1	0	0	R-1	0	4	0.74	1
035-233-11	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-12	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-13	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-14	8346.00	0.19	1	0	0	R-1	0	4	0.77	1
035-233-15 (*Note	7530.04	0.17	1	0	0	R-1	0	4	0.69	1
035-233-16 (*Note	13992.68	0.32	1	0	0	R-1	0	4	1.28	1
035-233-17 (*Note	10744.81	0.25	1	0	0	R-1	0	4	0.99	1
035-233-18 (*Note	12012.20	0.28	1	0	0	R-1	0	4	1.10	1
035-233-19 (*Note	10762.73	0.25	1	0	0	R-1	0	4	0.99	1
035-233-20 (*Note	14046.05	0.32	1	0	0	R-1	0	4	1.29	1
035-233-21 (*Note	7530.04	0.17	1	0	0	R-1	0	4	0.69	1
035-233-22	7246.00	0.17	1	0	0	R-1	0	4	0.67	1
035-233-23	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-24	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-25	6716.00	0.15	1	0	0	R-1	0	4	0.62	1
035-233-26	8059.00	0.19	1	0	0	R-1	0	4	0.74	1
035-233-27	8322.00	0.19	1	0	0	R-1	0	4	0.76	1
035-233-28	6977.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-29	6976.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-30	6976.00	0.16	1	0	0	R-1	0	4	0.64	1

035-233-31	6976.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-32	6974.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-33	6973.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-34	6972.00	0.16	1	0	0	R-1	0	4	0.64	1
035-233-35	9660.00	0.22	1	0	0	R-1	0	4	0.89	1
035-241-19	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-18	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-17	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-16	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-15	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-14	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-20	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-21	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-12	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-11	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-10	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-09	6310.00	0.14	1	0	0	R-1	0	4	0.58	1
035-241-22	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-23	6713.00	0.15	0	1	0	R-1	0	4	0.62	1
035-241-24	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-25	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-26	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-27	6713.00	0.15	0	1	0	R-1	0	4	0.62	1
035-241-28	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-241-04	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-241-05	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-241-06	6713.00	0.15	0	1	0	R-1	0	4	0.62	1
035-241-07	13022.00	0.30	1	0	0	R-1	0	4	1.20	1
035-242-18	13425.00	0.31	1	0	0	R-1	0	4	1.23	1
035-242-17	6713.00	0.15	0	1	0	R-1	0	4	0.62	1
035-242-16	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-242-20	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-242-19	13425.00	0.31	1	0	0	R-1	0	4	1.23	1
035-242-14	13425.00	0.31	0	0	0	R-1	1	4	1.23	1
035-242-13	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-242-12	13022.00	0.30	1	0	0	R-1	0	4	1.20	1
035-242-01	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-242-02	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-242-03	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-242-04	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-242-05	6713.00	0.15	0	0	0	R-1	1	4	0.62	1
035-242-06	13425.00	0.31	1	0	0	R-1	0	4	1.23	1
035-242-21	13425.00	0.31	1	0	0	R-1	0	4	1.23	1
035-242-09	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
034-242-10	6713.00	0.15	1	0	0	R-1	0	4	0.62	1
035-242-11	6310.00	0.14	1	0	0	R-1	0	4	0.58	1
035-250-19	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-20	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-03	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-04	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-05	7000.00	0.16	0	0	0	R-1	1	4	0.64	1
035-250-06	7000.00	0.16	0	0	0	R-1	1	4	0.64	1
035-250-07	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-08	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-09	7000.00	0.16	0	0	0	R-1	1	4	0.64	1
035-250-10	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-11	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-12	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-13	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-14	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-15	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-16	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-17	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-250-18	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-02	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-03	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-04	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-05	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-06	7000.00	0.16	1	0	0	R-1	0	4	0.64	1
035-260-07	7000.00	0.16	2	0	0	R-1	-1	4	0.64	1

035-260-12	15000.00	0.34	1	0	0	R-1	0	4	1.38	1
035-260-11	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-260-10	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-260-09	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-260-08	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-272-01	7500.00	0.17	0	0	0	R-2	2	12	2.07	2
035-272-02	7500.00	0.17	0	0	0	R-2	2	12	2.07	2
035-272-03	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-04	7500.00	0.17	0	0	0	R-2	2	12	2.07	2
035-272-05	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-06	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-07	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-08	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-09	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-10	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-272-11	4875.00	0.11	0	0	0	R-2	1	12	1.34	1
035-281-01	4575.00	0.11	1	0	0	R-1	0	4	0.42	1
035-281-02	4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-281-03	4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-281-04	8784.00	0.20	1	0	0	R-1	0	4	0.81	1
035-281-05	4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-281-06	4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-281-07	4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-281-08	4620.75	0.11	1	0	0	R-1	0	4	0.42	1
035-281-09		2.71	0	0	36	R-4	45	30	81.30	81
035-282-01	8400.00	0.19	1	0	0	R-2	1	12	2.31	2
035-282-02	8400.00	0.19	0	0	0	R-2	2	12	2.31	2
035-282-03	8400.00	0.19	1	0	0	R-2	1	12	2.31	2
035-282-04	8400.00	0.19	1	0	0	R-2	1	12	2.31	2
035-282-05	8400.00	0.19	1	0	0	R-2	1	12	2.31	2
035-282-06	8400.00	0.19	0	1	0	R-2	1	12	2.31	2
035-282-07	8400.00	0.19	1	0	0	R-2	1	12	2.31	2
035-282-23	8975.00	0.21	1	0	0	R-2	1	12	2.47	2
035-282-22	8975.00	0.21	1	0	0	R-2	1	12	2.47	2
035-282-08	17950.00	0.41	1	0	0	R-2	3	12	4.94	4
035-282-21	4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-20	4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-19	4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-18	4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-17	4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-16	4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-15	4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-14	4212.50	0.10	1	0	0	R-2	0	12	1.16	1
035-282-13	4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-12	4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-282-11	8425.00	0.19	0	0	0	R-2	2	12	2.32	2
035-282-25	9941.50	0.23	1	0	0	R-2	1	12	2.74	2
035-282-26	4985.50	0.11	1	0	0	R-2	0	12	1.37	1
035-283-01	9240.00	0.21	0	0	0	R-2	2	12	2.55	2
035-283-02	9240.00	0.21	0	0	0	R-2	2	12	2.55	2
035-283-03	9240.00	0.21	1	0	0	R-2	1	12	2.55	2
035-283-04	9240.00	0.21	0	0	0	R-2	2	12	2.55	2
035-283-05	9452.00	0.22	0	0	2	R-2	0	12	2.60	2
035-283-06	6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-283-07	6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-283-08	8975.00	0.21	0	0	3	R-2	-1	12	2.47	2
035-283-09	8975.00	0.21	0	0	3	R-2	-1	12	2.47	2
035-283-18	8975.00	0.21	0	0	0	R-2	2	12	2.47	2
035-283-19	8975.00	0.21	0	0	0	R-2	2	12	2.47	2
035-283-17	16850.00	0.39	3	0	0	R-2	1	12	4.64	4
035-283-16	12637.50	0.29	1	0	0	R-2	2	12	3.48	3
035-283-15	4212.50	0.10	0	0	0	R-2	1	12	1.16	1
035-283-14	1000.00	0.02	0	0	0	R-2	1	12	0.28	1
035-283-10	3475.00	0.08	0	0	0	R-2	1	12	0.96	1
035-283-11	3475.00	0.08	0	0	0	R-2	1	12	0.96	1
035-291-01	4392.00	0.10	0	0	0	R-1	1	4	0.40	1
035-291-02	4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-291-03	4392.00	0.10	2	0	0	R-1	-1	4	0.40	1
035-291-04	4392.00	0.10	2	0	0	R-1	-1	4	0.40	1
035-291-05	4392.00	0.10	1	0	0	R-1	0	4	0.40	1

035-291-06	4392.00	0.10	1	0	0	R-1	0	4	0.40	1
035-291-07	4575.00	0.11	1	0	0	R-1	0	4	0.42	1
035-291-08		1.97	0	0	32	R-4	27	30	59.10	59
035-292-01	16000.00	0.37	1	0	0	R-1	0	4	1.47	1
035-292-02	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-292-03	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-292-04	8000.00	0.18	0	1	0	R-1	0	4	0.73	1
035-292-05	17440.00	0.40	0	0	0	R-1	1	4	1.60	1
035-292-11	8000.00	0.18	1	0	1	R-1	-1	4	0.73	1
035-292-10	8000.00	0.18	1	0	1	R-1	-1	4	0.73	1
035-292-09	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-292-08	8000.00	0.18	0	0	0	R-1	1	4	0.73	1
035-292-07	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-292-13	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-292-12	9440.00	0.22	1	0	0	R-1	0	4	0.87	1
035-293-01	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-293-02	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-293-03	16000.00	0.37	0	0	0	R-1	1	4	1.47	1
035-293-10	32000.00	0.73	0	0	13	R-1	-11	4	2.94	2
035-293-04	6950.00	0.16	0	0	0	R-1	1	4	0.64	1
035-293-05	6950.00	0.16	0	0	0	R-1	1	4	0.64	1
035-293-06	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-293-07	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-293-08	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-293-09	9730.00	0.22	1	0	0	R-1	0	4	0.89	1
035-301-13	13900.00	0.32	3	0	0	R-1	-2	4	1.28	1
035-301-12	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-301-11	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-301-10	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-301-09	9730.00	0.22	1	0	0	R-1	0	4	0.89	1
035-301-14	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-301-15	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-301-02	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-301-03	4000.00	0.09	1	0	0	R-1	0	4	0.37	1
035-301-04	4000.00	0.09	1	0	0	R-1	0	4	0.37	1
035-301-05	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-301-06	8000.00	0.18	0	0	2	R-1	-1	4	0.73	1
035-301-07	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-301-08	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-302-01	9440.00	0.22	2	0	0	R-1	-1	4	0.87	1
035-302-02	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-302-10	2720.00	0.06	0	0	0	R-1	1	4	0.25	1
035-302-11	13280.00	0.30	1	0	0	R-1	0	4	1.22	1
035-302-04	24000.00	0.55	4	0	0	R-1	-2	4	2.20	2
035-302-09	9440.00	0.22	2	0	0	R-1	-1	4	0.87	1
035-302-08	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-302-07	16000.00	0.37	1	0	0	R-1	0	4	1.47	1
035-302-05	13200.00	0.30	1	0	0	R-1	0	4	1.21	1
035-302-12	5400.00	0.12	1	0	0	R-1	0	4	0.50	1
035-302-13	5400.00	0.12	1	0	0	R-1	0	4	0.50	1
035-303-01	5450.00	0.13	0	1	0	R-1	0	4	0.50	1
035-303-02	5450.00	0.13	1	0	0	R-1	0	4	0.50	1
035-303-03	5995.00	0.14	1	0	0	R-1	0	4	0.55	1
035-303-13	8720.00	0.20	1	0	0	R-1	0	4	0.80	1
035-303-12	8720.00	0.20	1	0	0	R-1	0	4	0.80	1
035-303-04	16000.00	0.37	1	0	0	R-1	0	4	1.47	1
035-303-05	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-303-06	8000.00	0.18	2	0	0	R-1	-1	4	0.73	1
035-303-07	8000.00	0.18	0	0	0	R-1	1	4	0.73	1
035-303-11	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-303-10	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-303-09	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-303-08	16000.00	0.37	1	0	0	R-1	0	4	1.47	1
035-311-17	37252.00	0.86	2	0	4	R-2	4	12	10.26	10
035-311-16	3475.00	0.08	0	0	0	R-2	1	12	0.96	1
035-311-15	6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-311-14	6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-311-13	6046.50	0.14	0	0	0	R-2	1	12	1.67	1
035-311-01	8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-02	8400.00	0.19	1	0	0	R-1	0	4	0.77	1

035-311-03	8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-04	8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-05	5000.00	0.11	1	0	0	R-1	0	4	0.46	1
035-311-06	5000.00	0.11	0	0	0	R-1	1	4	0.46	1
035-311-07	10000.00	0.23	1	0	0	R-1	0	4	0.92	1
035-311-08	8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-09	8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-10	8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-311-11	4212.50	0.10	1	0	0	R-1	0	4	0.39	1
035-311-12	4212.50	0.10	0	0	0	R-1	1	4	0.39	1
035-312-19	4956.00	0.11	1	0	0	R-1	0	4	0.46	1
035-312-20	4956.00	0.11	1	0	0	R-1	0	4	0.46	1
035-312-02	8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-313-03	8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-312-04	16800.00	0.39	1	0	0	R-1	0	4	1.54	1
035-312-05	6300.00	0.14	1	0	0	R-1	0	4	0.58	1
035-312-06	10500.00	0.24	1	0	0	R-1	0	4	0.96	1
035-312-07	8975.00	0.21	1	0	0	R-1	0	4	0.82	1
035-312-08	8975.00	0.21	1	0	0	R-1	0	4	0.82	1
035-312-14	17950.00	0.41	1	0	0	R-1	0	4	1.65	1
035-312-13	16260.25	0.37	1	0	0	R-1	0	4	1.49	1
035-312-12	6150.25	0.14	1	0	0	R-1	0	4	0.56	1
035-312-11	10531.25	0.24	1	0	0	R-1	0	4	0.97	1
035-312-18	8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-312-17	2106.25	0.05	0	0	0	R-1	1	4	0.19	1
035-312-16	8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-312-15	8425.00	0.19	1	0	0	R-1	0	4	0.77	1
035-313-01	9912.00	0.23	2	0	0	R-1	-1	4	0.91	1
035-313-02	16800.00	0.39	1	0	0	R-1	0	4	1.54	1
035-313-14	16800.00	0.39	0	0	0	R-1	1	4	1.54	1
035-313-15	8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-313-04	4200.00	0.10	1	0	0	R-1	0	4	0.39	1
035-313-05	4200.00	0.10	1	0	0	R-1	0	4	0.39	1
035-313-06	8975.00	0.21	1	0	0	R-1	0	4	0.82	1
035-313-07	8975.00	0.21	1	0	0	R-1	0	4	0.82	1
035-313-13	8975.00	0.21	1	0	0	R-1	0	4	0.82	1
035-313-12	8975.00	0.21	0	0	0	R-1	1	4	0.82	1
035-313-11	18312.00	0.42	2	0	0	R-1	-1	4	1.68	1
035-313-10	8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-313-09	8400.00	0.19	1	0	0	R-1	0	4	0.77	1
035-313-08	16800.00	0.39	1	0	0	R-1	0	4	1.54	1
035-321-03	3750.00	0.09	0	0	0	R-1	1	4	0.34	1
035-321-04	3750.00	0.09	0	0	0	R-1	1	4	0.34	1
035-321-05	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-321-06	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-321-07	7500.00	0.17	2	0	0	R-1	-1	4	0.69	1
035-322-01	8850.00	0.20	1	0	0	R-1	0	4	0.81	1
035-322-02	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-322-03	11250.00	0.26	1	0	0	R-1	0	4	1.03	1
035-322-04	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-322-05	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-322-06	3750.00	0.09	1	0	0	R-1	0	4	0.34	1
035-322-07	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-323-01	17190.00	0.39	1	0	0	R-1	0	4	1.58	1
035-323-02	7750.00	0.18	0	0	0	R-1	1	4	0.71	1
035-323-10	7750.00	0.18	1	0	0	R-1	0	4	0.71	1
035-323-11	8000.00	0.18	1	0	0	R-1	0	4	0.73	1
035-323-04	16000.00	0.37	1	0	0	R-1	0	4	1.47	1
035-323-05	12037.50	0.28	0	0	0	R-1	1	4	1.11	1
035-323-06	12037.50	0.28	1	0	0	R-1	0	4	1.11	1
035-323-07	8025.00	0.18	1	0	0	R-1	0	4	0.74	1
035-323-08	25519.50	0.59	0	0	8	R-4	9	30	17.58	17
035-323-09	750.00	0.02	0	0	0	R-1	1	4	0.07	1
035-341-03	97138.80	2.23	0	0	0	R-1	8	4	8.92	8
035-351-15	11954.00	0.27	1	0	0	R-1	0	4	1.10	1
035-351-14	6672.00	0.15	1	0	0	R-1	0	4	0.61	1
035-351-13	7506.00	0.17	1	0	0	R-1	0	4	0.69	1
035-351-12	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-351-11	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-351-10	6950.00	0.16	1	0	0	R-1	0	4	0.64	1

035-351-09	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-351-08	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-351-01	21800.00	0.50	1	0	0	R-1	1	4	2.00	2
035-351-02	21800.00	0.50	1	0	0	R-1	1	4	2.00	2
035-351-03	9000.00	0.21	1	0	0	R-1	0	4	0.83	1
035-351-04	6400.00	0.15	1	0	0	R-1	0	4	0.59	1
035-351-05	6400.00	0.15	1	0	0	R-1	0	4	0.59	1
035-351-06	10900.00	0.25	0	0	0	R-1	1	4	1.00	1
035-351-07	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-352-18	8652.00	0.20	1	0	0	R-1	0	4	0.79	1
035-352-20	4620.00	0.11	1	0	0	R-1	0	4	0.42	1
035-352-02	3540.00	0.08	1	0	0	R-1	0	4	0.33	1
035-352-21	1500.00	0.03	0	0	0	R-1	1	4	0.14	1
035-352-03	16350.00	0.38	1	0	0	R-1	0	4	1.50	1
035-352-04	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-352-05	18530.00	0.43	1	0	0	R-1	0	4	1.70	1
035-352-06	6760.00	0.16	1	0	0	R-1	0	4	0.62	1
035-352-07	7410.00	0.17	1	0	0	R-1	0	4	0.68	1
035-352-14	4800.00	0.11	1	0	0	R-1	0	4	0.44	1
035-352-15	6100.00	0.14	1	0	0	R-1	0	4	0.56	1
035-352-16	6100.00	0.14	1	0	0	R-1	0	4	0.56	1
035-352-13	4800.00	0.11	0	0	0	R-1	1	4	0.44	1
035-352-17	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-352-11	10900.00	0.25	0	0	0	R-1	1	4	1.00	1
035-352-12	34662.00	0.80	5	0	0	R-1	-2	4	3.18	3
035-353-01	156524.00	3.59	0	0	0	R-1	14	4	14.37	14
035-361-14	17375.00	0.40	1	0	4	R-1	-4	4	1.60	1
035-361-13	6950.00	0.16	0	0	0	R-1	1	4	0.64	1
035-361-12	6950.00	0.16	1	0	0	R-1	0	4	0.64	1
035-361-11	6950.00	0.16	0	0	2	R-1	-1	4	0.64	1
035-361-10	6324.50	0.15	1	0	0	R-1	0	4	0.58	1
035-361-01	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-361-02	11250.00	0.26	1	0	0	R-1	0	4	1.03	1
035-361-03	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-361-04	3750.00	0.09	1	0	0	R-1	0	4	0.34	1
035-361-05	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-361-06	3750.00	0.09	0	0	0	R-1	1	4	0.34	1
035-361-07	11250.00	0.26	1	0	0	R-1	0	4	1.03	1
035-361-08	2500.00	0.06	0	0	0	R-1	1	4	0.23	1
035-361-09	5000.00	0.11	1	0	0	R-1	0	4	0.46	1
035-362-01	8850.00	0.20	1	0	0	R-1	0	4	0.81	1
035-362-02	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-362-03	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-362-04	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-362-14	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-362-15	3750.00	0.09	1	0	0	R-1	0	4	0.34	1
035-362-07	11250.00	0.26	1	0	0	R-1	0	4	1.03	1
035-362-08	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-362-09	11250.00	0.26	1	0	0	R-1	0	4	1.03	1
035-362-10	11250.00	0.26	2	0	0	R-1	-1	4	1.03	1
035-362-11	7200.00	0.17	1	0	0	R-1	0	4	0.66	1
035-362-12	7800.00	0.18	0	0	0	R-1	1	4	0.72	1
035-362-13	8850.00	0.20	1	0	0	R-1	0	4	0.81	1
035-363-01 (*Note	115239.00	2.65	0	0	0	R-1	10	4	10.58	10
035-371-19	2500.00	0.06	1	0	0	R-2	0	12	0.69	1
035-371-20	2500.00	0.06	0	0	0	R-2	1	12	0.69	1
035-371-21	2500.00	0.06	0	0	0	R-2	1	12	0.69	1
035-371-12	7500.00	0.17	1	0	0	R-2	1	12	2.07	2
035-371-23	16500.00	0.38	0	0	0	R-2	0	12	4.55	4
035-372-08	15000.00	0.34	1	0	0	R-1	0	4	1.38	1
035-372-09	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-372-10	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-372-11	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-372-12	3750.00	0.09	0	0	0	R-1	1	4	0.34	1
035-372-13	3750.00	0.09	0	0	0	R-1	1	4	0.34	1
035-371-14	3750.00	0.09	1	0	0	R-1	0	4	0.34	1
035-371-15	5100.00	0.12	1	0	0	R-1	0	4	0.47	1
035-381-02	12352.50	0.28	1	0	0	R-2	2	12	3.40	3
035-381-03	4117.50	0.09	1	0	0	R-2	0	12	1.13	1
035-382-09	8850.00	0.20	1	0	0	R-2	1	12	2.44	2

035-382-10	11250.00	0.26	1	0	0	R-2	2	12	3.10	3
035-382-11	11250.00	0.26	1	0	0	R-2	2	12	3.10	3
035-382-12	10650.00	0.24	1	0	0	R-2	1	12	2.93	2
035-382-13	11850.00	0.27	1	0	0	R-2	2	12	3.26	3
035-383-12	7500.00	0.17	1	0	0	R-2	1	12	2.07	2
035-383-13	7500.00	0.17	0	0	0	R-2	2	12	2.07	2
035-383-14	3750.00	0.09	0	0	0	R-2	1	12	1.03	1
035-383-15	11250.00	0.26	5	0	0	R-2	-2	12	3.10	3
035-391-04	85813.20	1.97	23	0	0	R-2	0	12	23.64	23
035-392-01	3750.00	0.09	1	0	0	R-2	0	12	1.03	1
035-392-02	3750.00	0.09	1	0	0	R-2	0	12	1.03	1
035-392-03	11250.00	0.26	1	0	0	R-2	2	12	3.10	3
035-392-04	5625.00	0.13	1	0	0	R-2	0	12	1.55	1
035-392-05	5625.00	0.13	1	0	0	R-2	0	12	1.55	1
035-392-17	11250.00	0.26	1	0	0	R-2	2	12	3.10	3
035-392-08	12600.00	0.29	4	0	0	R-2	-1	12	3.47	3
035-392-09	4425.00	0.10	1	0	0	R-1	0	4	0.41	1
035-392-10	4425.00	0.10	1	0	0	R-1	0	4	0.41	1
035-392-11	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-392-12	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-392-13	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-392-14	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-392-15	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-392-16	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-393-01	15000.00	0.34	4	0	0	R-2	0	12	4.13	4
035-393-02	7500.00	0.17	1	0	0	R-2	1	12	2.07	2
035-393-03	7500.00	0.17	1	0	0	R-2	1	12	2.07	2
035-393-04	6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-393-16	6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-393-15	6950.00	0.16	1	0	0	R-2	0	12	1.91	1
035-393-07	6950.00	0.16	0	0	3	R-1	-2	4	0.64	1
035-393-08	10425.00	0.24	1	0	0	R-1	0	4	0.96	1
035-393-09	6324.50	0.15	0	0	0	R-1	1	4	0.58	1
035-393-10	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-393-11	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-393-12	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-393-13	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-401-03 (*Note	6915.09	0.16	1	0	0	R-1	0	4	0.63	1
035-401-04 (*Note	8346.09	0.19	1	0	0	R-1	0	4	0.77	1
035-401-05 (*Note	7793.34	0.18	1	0	0	R-1	0	4	0.72	1
035-401-06 (*Note	6227.14	0.14	1	0	0	R-1	0	4	0.57	1
035-401-07 (*Note	9509.80	0.22	1	0	0	R-1	0	4	0.87	1
035-401-08 (*Note	10078.33	0.23	1	0	0	R-1	0	4	0.93	1
035-401-09	7079.36	0.16	1	0	0	R-1	0	4	0.65	1
035-401-10	7091.82	0.16	1	0	0	R-1	0	4	0.65	1
035-401-11	7091.82	0.16	1	0	0	R-1	0	4	0.65	1
035-401-12	5750.75	0.13	1	0	0	R-1	0	4	0.53	1
035-401-13	5752.12	0.13	1	0	0	R-1	0	4	0.53	1
035-401-14	7091.82	0.16	1	0	0	R-1	0	4	0.65	1
035-401-15	7091.82	0.16	1	0	0	R-1	0	4	0.65	1
035-401-16	7035.97	0.16	1	0	0	R-1	0	4	0.65	1
035-401-17	7267.90	0.17	1	0	0	R-1	0	4	0.67	1
035-402-01	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-02	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-03	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-04	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-05	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-06	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-07	12862.00	0.30	0	0	0	R-1	1	4	1.18	1
035-402-08	6372.00	0.15	1	0	0	R-1	0	4	0.59	1
035-402-09	6490.00	0.15	1	0	0	R-1	0	4	0.60	1
035-402-10	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-11	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-12	10900.00	0.25		0	0	R-1	1	4	1.00	1
035-402-13	10900.00	0.25	1	0	0	R-1	0	4	1.00	1
035-402-15	5000.00	0.11	1	0	0	R-1	0	4	0.46	1
035-402-16	2750.00	0.06	1	0	0	R-1	0	4	0.25	1
035-402-17	2250.00	0.05	1	0	0	R-1	0	4	0.21	1
035-402-18	11800.00	0.27	2	0	0	R-1	-1	4	1.08	1
035-410-15 (Portio	200864.00	4.61	0	0	0	R-1	18	4	18.44	18

035-431-29	7500.00	0.17	1	0	0	R-1	0	4	0.69	1
035-431-34	47025.00	1.08	0	0	0	R-1	4	4	4.32	4
035-431-33	47025.00	1.08	0	0	0	R-1	4	4	4.32	4
035-431-32	23760.00	0.55	0	0	0	R-1	2	4	2.18	2
035-431-31	7500.00	0.17	0	0	0	R-1	1	4	0.69	1
035-431-08	7575.00	0.17	1	0	0	R-2	1	12	2.09	2
035-431-09	7500.00	0.17	1	0	0	R-2	1	12	2.07	2
035-431-10	7500.00	0.17	1	0	0	R-2	1	12	2.07	2
035-431-11	13350.00	0.31	1	0	0	R-2	2	12	3.68	3
035-431-35	23340.00	0.54	1	0	0	R-2	5	12	6.43	6
035-431-14	15900.00	0.37	1	0	0	R-2	3	12	4.38	4
035-431-15	8102.40	0.19	0	0	0	R-2	2	12	2.23	2
035-431-16	29520.00	0.68	4	0	0	R-2	4	12	8.13	8
035-431-17	20400.00	0.47	1	0	0	R-2	4	12	5.62	5
035-431-18	17220.00	0.40	1	0	0	R-2	3	12	4.74	4
035-431-19	3240.00	0.07	0	0	0	R-2	1	12	0.89	1
035-431-20	23040.00	0.53	1	0	0	R-2	5	12	6.35	6
035-431-21	15360.00	0.35	1	0	0	R-2	3	12	4.23	4
035-431-22	16800.00	0.39	1	0	0	R-2	3	12	4.63	4
035-431-36	19200.00	0.44	1	0	0	R-2	4	12	5.29	5
035-431-25	78843.60	1.81	2	0	2	R-2	17	12	21.72	21
035-432-01	10500.00	0.24	1	0	0	R-1	0	4	0.96	1
035-432-02	352836.00	8.10	0	0	0	R-1	32	4	32.40	32
035-451-08	27007.20	0.62	4	0	0	R-1	-2	4	2.48	2
035-451-15	11325.60	0.26	1	0	0	R-1	0	4	1.04	1
035-451-14	11325.60	0.26	1	0	0	R-1	0	4	1.04	1
035-461-01	7370.00	0.17	1	0	0	R-1	0	4	0.68	1
035-461-02	6600.00	0.15	1	0	0	R-1	0	4	0.61	1
035-461-03	7150.00	0.16	1	0	0	R-1	0	4	0.66	1
035-461-04	7700.00	0.18	1	0	0	R-1	0	4	0.71	1
035-461-05	7150.00	0.16	1	0	0	R-1	0	4	0.66	1
035-461-06	6600.00	0.15	1	0	0	R-1	0	4	0.61	1
035-461-07	7150.00	0.16	1	0	0	R-1	0	4	0.66	1
035-461-08	7150.00	0.16	1	0	0	R-1	0	4	0.66	1
035-461-09	8910.00	0.20	1	0	0	R-1	0	4	0.82	1
035-462-01	7700.00	0.18	1	0	0	R-1	0	4	0.71	1
035-462-02	3740.00	0.09	0	0	0	R-1	1	4	0.34	1
035-462-03	3740.00	0.09	0	0	0	R-1	1	4	0.34	1
035-462-04	8580.00	0.20	1	0	0	R-1	0	4	0.79	1
035-462-05	7480.00	0.17	1	0	0	R-1	0	4	0.69	1
035-462-06	8580.00	0.20	1	0	0	R-1	0	4	0.79	1
035-462-07	7480.00	0.17	1	0	0	R-1	0	4	0.69	1
035-462-08	8580.00	0.20	1	0	0	R-1	0	4	0.79	1
035-462-09	9900.00	0.23	1	0	0	R-1	0	4	0.91	1
035-462-17	8360.00	0.19	1	0	0	R-1	0	4	0.77	1
035-462-16	7920.00	0.18	1	0	0	R-1	0	4	0.73	1
035-462-15	7920.00	0.18	1	0	0	R-1	0	4	0.73	1
035-462-14	7920.00	0.18	1	0	0	R-1	0	4	0.73	1
035-462-13	7920.00	0.18	1	0	0	R-1	0	4	0.73	1
035-462-12	7920.00	0.18	1	0	0	R-1	0	4	0.73	1
035-462-11	7920.00	0.18	1	0	0	R-1	0	4	0.73	1
035-462-10	9900.00	0.23	1	0	0	R-1	0	4	0.91	1
035-463-01	8470.00	0.19	1	0	0	R-1	0	4	0.78	1
035-463-02	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-03	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-04	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-05	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-06	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-07	8140.00	0.19	1	0	0	R-1	0	4	0.75	1
035-463-08	8470.00	0.19	1	0	0	R-1	0	4	0.78	1
TOTALS:	**5,707,003.38**	**135.69**	**488**	**7**	**116**		**325**		**870.98**	**940**

Note 1 Dwelling unit densities proved contradictory in the Westmorland General Plan (see pages LU-3 and LU-17). Final Control Point assumptions were made by Joel Hamby of the City of Westmorland.

Note 2 These parcels of land are irregular. We have taken the average length of the north & south and east & west sides to assume the general square footage of the parcel.

Note 3 This area is occupied by Elm School.

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Commercial Land Within City Limits

Assessor Parcel Number	Existing Parcel Square Footage	Existing Acreage	Temporary D.Us/ Structures	Vacant / Underutilized Acreage	Land Use Designation	Percent Coverage Existing Development	Percent Coverage Future Development	Existing Building Square Footage	Future Building Square Footage	Build Out Building Square Footage
035-260-14	32,234.40	0.74	0.00	0.00	C	40%	30%	12,893.76	0.00	12,893.76
035-260-13	104,544.00	2.40	0.00	0.00	C	40%	30%	41,817.60	0.00	41,817.60
035-271-01	29,185.20	0.67	0.00	0.00	C	40%	30%	11,674.08	0.00	11,674.08
035-271-02	85,813.20	1.97	0.00	0.00	C	40%	30%	34,325.28	0.00	34,325.28
035-272-20	22,651.20	0.52	65.00	0.00	C	40%	30%	9,060.48	0.00	9,060.48
035-272-19	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-272-18	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-272-17	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-272-16	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-272-15	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-272-14	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-272-13	3,920.40	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-272-12	5,227.20	0.12	0.00	0.12	C	40%	30%	0.00	1,568.16	1,568.16
035-273-07	6,950.00	0.16	0.00	0.00	C	40%	30%	2,787.84	0.00	2,787.84
035-273-08	3,475.00	0.08	0.00	0.00	C	40%	30%	1,393.92	0.00	1,393.92
035-273-09	3,475.00	0.08	0.00	0.00	C	40%	30%	1,393.92	0.00	1,393.92
035-273-10	3,475.00	0.08	0.00	0.00	C	40%	30%	1,393.92	0.00	1,393.92
035-273-11	3,475.00	0.08	0.00	0.00	C	40%	30%	1,393.92	0.00	1,393.92
035-273-17	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-273-16	11,250.00	0.26	0.00	0.00	C	40%	30%	4,530.24	0.00	4,530.24
035-273-15	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16
035-273-14	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-273-13	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-273-12	16,350.00	0.38	0.00	0.00	C	40%	30%	6,621.12	0.00	6,621.12
035-283-12	6,950.00	0.16	0.00	0.00	C	40%	30%	2,787.84	0.00	2,787.84
035-283-13	12,891.50	0.30	0.00	0.00	C	40%	30%	5,227.20	0.00	5,227.20
035-321-01	3,475.00	0.08	0.00	0.08	C	40%	30%	0.00	1,045.44	1,045.44
035-321-02	17,375.00	0.40	0.00	0.00	C	40%	30%	6,969.60	0.00	6,969.60
035-321-08	22,500.00	0.52	0.00	0.00	C	40%	30%	9,060.48	0.00	9,060.48
035-321-12	11,250.00	0.26	0.00	0.00	C	40%	30%	4,530.24	0.00	4,530.24
035-321-11	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-321-10	16,350.00	0.38	0.00	0.00	C	40%	30%	6,621.12	0.00	6,621.12
035-322-08	7,500.00	0.17	1.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56
035-322-09	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-322-14	13,500.00	0.31	1.00	0.31	C	40%	30%	0.00	4,051.08	4,051.08
035-322-13	29,100.00	0.67	0.00	0.67	C	40%	30%	0.00	8,755.56	8,755.56
035-371-01	3,400.00	0.08	0.00	0.08	C	40%	30%	0.00	1,045.44	1,045.44
035-371-18	5,450.00	0.13	0.00	0.13	C	40%	30%	0.00	1,698.84	1,698.84
035-371-03	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-371-04	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-371-05	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16
035-371-06	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16
035-371-07	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-371-08	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-371-09	11,250.00	0.26	4.00	0.26	C	40%	30%	0.00	3,397.68	3,397.68
035-371-22	20,850.00	0.48	0.00	0.00	C	40%	30%	8,363.52	0.00	8,363.52
035-372-01	8,850.00	0.20	0.00	0.00	C	40%	30%	3,484.80	0.00	3,484.80
035-372-02	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16
035-372-03	11,250.00	0.26	0.00	0.26	C	40%	30%	0.00	3,397.68	3,397.68
035-372-04	7,500.00	0.17	1.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56
035-372-05	7,500.00	0.17	1.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56
035-372-06	7,500.00	0.17	1.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56
035-372-07	7,500.00	0.17	1.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56
035-381-01*	12,855.75	0.30	0.00	0.00	C	40%	30%	5,227.20	0.00	5,227.20
035-381-06	17,360.00	0.40	0.00	0.00	C	40%	30%	6,944.00	0.00	6,944.00
035-381-07	25,440.00	0.58	0.00	0.00	C	40%	30%	10,176.00	0.00	10,176.00
035-382-01	11,250.00	0.26	0.00	0.00	C	40%	30%	4,530.24	0.00	4,530.24

035-382-02	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-382-03	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16
035-382-04	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-382-05	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-382-06	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-382-07	3,750.00	0.09	0.00	0.00	C	40%	30%	1,568.16	0.00	1,568.16
035-382-08	5,100.00	0.12	0.00	0.00	C	40%	30%	2,090.88	0.00	2,090.88
035-383-01	7,500.00	0.17	0.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56
035-383-02	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-383-03	3,750.00	0.09	0.00	0.09	C	40%	30%	0.00	1,176.12	1,176.12
035-383-04	7,500.00	0.17	0.00	0.17	C	40%	30%	0.00	2,221.56	2,221.56
035-383-05	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-383-06	11,250.00	0.26	0.00	0.00	C	40%	30%	4,530.24	0.00	4,530.24
035-383-07	12,600.00	0.29	0.00	0.00	C	40%	30%	5,052.96	0.00	5,052.96
035-383-16	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-383-10	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-383-11	7,500.00	0.17	0.00	0.00	C	40%	30%	2,962.08	0.00	2,962.08
035-410-13	86,684.40	1.99	0.00	0.00	C	40%	30%	34,673.76	0.00	34,673.76
035-410-14	25,264.80	0.58	0.00	0.58	C	40%	30%	0.00	7,579.44	7,579.44
TOTALS:	**952,794.45**	**21.92**	**75.00**	**4.85**				**297,472.16**	**63,379.80**	**360,851.96**

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Industrial Land Uses Within City Limits

Assessor Parcel Number	Existing Sqaure Footage	Existing Acreage	Temporary D.U.s / Structures	Vacant / Underutilized Acreage	Land Use Designation	Existing Use	Percent Coverage - Existing Development	Percent Coverage - Future Development	Existing Building Square Footage	Future Building Square Footage	Build Out Building Square Footage
035-341-12	32670	1	0	0	I	NR Packing House	40%	30%	13,068.00	0.00	13068.00
035-341-10	66211.2	2	0	2	I	Vacant	40%	30%	0.00	9016.92	9016.92
035-342-07	30056.4	1	0	1	I	Vacant	40%	30%	0.00	23653.08	23653.08
035-342-05	78843.6	2	0	2	I	Vacant	40%	30%	0.00	0.00	0.00
035-401-01	39894	1	0	0	I	Machine Shop	40%	30%	15,957.60	0.00	15957.60
035-410-15 (portion of)	454766.4	10	0	0	I	Packing	40%	30%	181,906.56	0.00	181906.56
TOTALS:	702441.6	16	0	4					210,932.16	32670.00	243602.16

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Open Space Land Uses Within City Limits

Assessor Parcel Number	Existing Sqaure Footage	Existing Acreage	Existing Development	Land Use Designation
035-373-01	115,059.5	2.6	Elm School	OS
035-403-01	156,524.0	3.6	City Hall/Park	OS
035-050-25	684,763.2	15.7	Park	OS
035-050-19 (portion of)	206,134.6	4.7	Park	OS
035-050-19 (portion of)	418,515.8	9.6	Wastewater Treatment Plant	OS
TOTALS:	**271,583.5**	**36.3**		

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Residential Land Use Outside City Limits

Assessor Parcel Number	Existing Sqaure Footage	Existing Acreage	Existing Single Family D.U.s	Existing Mobile Home	Existing Multi Family D.U.s	Land Use Designation	Future D.U.s	Control Point (*Note 1*)	Potential Buildout D.U.s	Actual Buildout D.U.s
035-050-08	44,431.20	1.02	0	0	0	R-4	30	30	30.60	30
035-050-07 (portion of)	5,227,200.00	120.00	0	0	0	R-1	480	4	480.00	480
035-050-07 (portion of)	871,200.00	20.00	0	0	0	R-4	600	30	600.00	600
035-050-24 (portion of)	2,994,474.57	68.74	0	0	0	R-1	274	4	274.97	274
035-050-24 (portion of)	2,612,568.63	59.98	0	0	0	R-4	1799	30	1,799.29	1,799
035-221-01	193,406.40	4.44	0	0	0	R-1	17	4	17.76	17
035-221-02	193,406.40	4.44	0	0	0	R-1	17	4	17.76	17
035-221-03	386,812.80	8.88	0	0	0	R-1	35	4	35.52	35
035-221-04	387,684.00	8.90	0	0	0	R-1	35	4	35.60	35
035-222-01	808,473.60	18.56	0	0	0	R-1	74	4	74.24	74
035-222-02	808,473.60	18.56	0	0	0	R-1	74	4	74.24	74
035-232-08	67,953.60	1.56	0	3		R-1	0	4	6.24	6
035-232-09	68,389.20	1.57	0	0	0	R-1	6	4	6.28	6
035-232-02	250,905.60	5.76	0	0	0	R-1	23	4	23.04	23
035-232-03	43,560.00	1.00	0	0	0	R-1	4	4	4.00	4
035-232-04 (portion of)	344,379.68	7.91	0	0	0	R-1	31	4	31.62	31
035-250-01	544,500.00	12.50	0	0	0	R-1	50	4	50.00	50
035-260-15 (portion of)	392,189.20	9.00	0	0	0	R-2	108	12	108.04	108
035-330-01	371100.00	35.52	0	0	0	R-1	142	4	142.08	142
035-341-04	97,138.80	2.23	0	0	0	R-4	66	30	66.90	66
035-341-07	191,664.00	4.40	0	0	0	R-1	17	4	17.60	17
035-341-11 (portion of)	135,976.90	3.12	0	0	0	R-4	93	30	93.65	93
035-341-11 (portion of)	578,407.10	13.28	0	0	0	R-1	53	4	53.11	53
035-341-08	22,651.20	0.52	1	0	0	R-1	1	4	2.08	2
035-420-01	571,071.60	13.11	1	0	0	R-1	51	4	52.44	52
035-420-02	18,295.20	0.42	0	0	0	R-1	1	4	1.68	1
035-420-03	98,445.60	2.26	1	0	0	R-1	8	4	9.04	9
035-420-04	98,445.60	2.26	1	0	0	R-1	8	4	9.04	9
035-420-13	570,200.40	13.09	4	0	0	R-1	48	4	52.36	52
035-420-17	50,094.00	1.15	0	0	0	R-1	4	4	4.60	4
035-420-16	13,068.00	0.30	0	0	0	R-1	1	4	1.20	1
035-420-14	20,473.20	0.47	1	0	0	R-1	0	4	1.88	1
035-420-12	38,332.80	0.88	1	0	0	R-1	2	4	3.52	3
035-420-11	27,007.20	0.62	1	0	0	R-1	1	4	2.48	2
035-420-10	34,125.00	0.78	1	0	0	R-1	2	4	3.13	3
035-420-09	16,625.00	0.38	1	0	0	R-1	0	4	1.53	1
035-420-08	15,750.00	0.36	1	0	0	R-1	0	4	1.45	1
035-431-28	105,046.50	2.41	1	0	0	R-1	8	4	9.65	9
035-431-30	21,965.90	0.50	1	0	0	R-1	1	4	2.02	2
035-431-03	10,450.00	0.24	0	0	0	R-1	0	4	0.96	0
035-431-04	33,105.60	0.76	0	0	0	R-1	3	4	3.04	3
035-431-05	65,775.60	1.51	1	0	0	R-1	5	4	6.04	6
035-431-06	39,204.00	0.90	1	0	0	R-1	2	4	3.60	3
035-431-07	26,571.60	0.61	1	0	0	R-1	1	4	2.44	2
035-440-01 (*Note 4*)	36,812.50	0.85	0	1	0	R-1	2	4	3.38	3
035-440-02	36,750.00	0.84	0	0	0	R-1	3	4	3.37	3
035-440-03	36,750.00	0.84	0	0	0	R-1	3	4	3.37	3
035-440-04	36,812.50	0.85	1	0	0	R-1	2	4	3.38	3
035-451-16	47,044.80	1.08	1	0	0	R-1	3	4	4.32	4
035-451-10	98,881.20	2.27	0	0	0	R-1	9	4	9.08	9
035-451-11	10,018.80	0.23	0	1	0	R-1	-1	4	0.92	0
035-451-17	396,396.00	9.10	0	0	0	R-1	36	4	36.40	36
035-451-03	21,869.38	0.50	0	1	0	R-1	1	4	2.01	2
035-451-04	21,869.38	0.50	1	0	0	R-1	1	4	2.01	2
035-451-12	50,094.00	1.15	1	0	0	R-1	3	4	4.60	4
035-451-13 (Portion of)	388,232.45	8.91	0	0	0	R-4	267	30	267.38	267
035-451-13 (Portion of)	293,952.36	6.75	0	0	0	R-1	26	4	26.99	26
035-452-01	1,574,694.00	36.15	0	0	0	R-1	144	4	144.60	144
TOTALS:	**22,561,176.66**	**544.93**	**23**	**6**	**0**		**4674**		**4,728.54**	**4,706**

Note 4 Because of the ambiguity of the assessor's and zoning maps, we have assumed these parcels to be R-1 density because of their proximity and similarity to parcels with the same denisty.
Note We have assumed parcels 1-4 to be R-1 because of their proximity to similarily parceled land.

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Commercial Land Uses Outside City Limits

Assessor Parcel Number	Existing Parcel Square Footage	Existing Acreage	Temporary D.Us/ Structures	Vacant / Underutilized Acreage	Land Use Designation	Percent Coverage Existing Development	Percent Coverage Future Development	Existing Building Square Footage	Future Building Square Footage	Build Out Building Square Footage
035-080-08 (portion of)	1,282,406	29.4	0	29.4	C	40%	30%	0.00	384,721.92	384,721.92
035-260-15 (portion of)	273,728	6.3	0	6.3	C	40%	30%	0.00	82,118.40	82,118.40
035-050-07 (portion of)	871,200	20.0	0	20.0	C	40%	30%	0.00	261,360.00	261,360.00
035-080-10 (portion of)	1,335,114	30.7	0	30.7	C	40%	30%	0.00	400,534.20	400,534.20
035-080-12	1,663,992	38.2	0	38.2	C	40%	30%	0.00	499,197.60	499,197.60
035-080-13	1,653,102	38.0	0	38.0	C	40%	30%	0.00	495,930.60	495,930.60
036-020-21	915,196	21.0	0	21.0	C	40%	30%	0.00	274,558.68	274,558.68
TOTALS:	**7,994,738**	**183.5**	**0**	**183.5**		40%	30%	**0.00**	**2,398,421.40**	**2,398,421.40**

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Industrial Land Uses Outside City Limits

Assessor Parcel Number	Existing Parcel Square Footage	Existing Acreage	Temporary D.Us/ Structures	Vacant / Underutilized Acreage	Land Use Designation	Existing Use	Percent Coverage - Existing Development	Percent Coverage - Future Development	Existing Building Square Footage	Future Building Square Footage	Build Out Building Square Footage
035-050-12	6,969,600.00	160.00	0	160.00	I	Vacant	40%	30%	0.00	2,090,880.00	2,090,880.00
035-080-08 (portion of)	435,600.00	10.00	0	10.00	I	Vacant	40%	30%	0.00	130,680.00	130,680.00
035-080-10 (portion of)	435,600.00	10.00	0	10.00	I	Vacant	40%	30%	0.00	130,680.00	130,680.00
035-232-04 (Portion of)*	668,223.62	15.34	6	0.00	I	Eqpmt Strg.	40%	30%	267,289.45	0.00	267,289.45
035-232-05	29,620.80	0.68	1	0.68	I	Vacant	40%	30%	0.00	8,886.24	8,886.24
035-232-06	29,620.80	0.68	1	0.68	I	Vacant	40%	30%	0.00	8,886.24	8,886.24
035-232-07	7,405.20	0.17	1	0.17	I	Vacant	40%	30%	0.00	2,221.56	2,221.56
035-342-06	8,276.40	0.19	0	0.19	I	Vacant	40%	30%	0.00	2,482.92	2,482.92
035-410-09	589,802.40	13.54	0	13.54	I	Vacant	40%	30%	0.00	176,940.72	176,940.72
035-410-11	43,560.00	1.00	0	1.00	I	Vacant	40%	30%	0.00	13,068.00	13,068.00
035-410-12	54,885.60	1.26	1	1.26	I	Vacant	40%	30%	0.00	16,465.68	16,465.68
035-410-07	83,199.60	1.91	1	1.91	I	Vacant	40%	30%	0.00	24,959.88	24,959.88
035-410-08	15,000.00	0.34	0	0.34	I	Vacant	40%	30%	0.00	4,500.00	4,500.00
TOTALS:	**9,370,394.42**	**215.11**	**11**	**199.77**					**267,289.45**	**2,610,651.24**	**2,877,940.69**

CITY OF WESTMORLAND
LAND USE SURVEY AND BUILD OUT ANALYSIS
Open Space Land Uses Outside City Limits

Assessor Parcel Number	Existing Acreage	Existing Development	Land Use Designation
035-231-01	1.43	Pump Station	OS
035-231-04	16.18	Vacant	OS
TOTALS:	**17.61**		

City of Wesmorland - Residential
Estimated Absorption Within Sphere of Influence

Year	Annual Dwelling Units	Total Cumulative Dwelling Units	Population
Existing	640	640	2,182
2005	**250**	**890**	**3,035**
2006	250	1,140	3,887
2007	250	1,390	4,740
2008	250	1,640	5,592
2009	250	1,890	6,445
2010	**50**	**1,940**	**6,615**
2011	50	1,990	6,786
2012	50	2,040	6,956
2013	50	2,090	7,127
2014	50	2,140	7,297
2015	**50**	**2,190**	**7,468**
2016	50	2,240	7,638
2017	50	2,290	7,809
2018	50	2,340	7,979
2019	50	2,390	8,150
2020	**50**	**2,440**	**8,320**
2021	50	2,490	8,491
2022	50	2,540	8,661
2023	50	2,590	8,832
2024	50	2,640	9,002
2025	**50**	**2,690**	**9,173**

City of Westmorland
Non-Residential Development Within the Sphere of Influence

Commercial Net Square Footage				Industrial Net Square Footage			Total Net Square Footage	
Year	Annual Square Footage	Annual Cumulative Square Footage	Total Commercial Square Footage	Annual Square Footage	Annual Cumulative Square Footage	Total Cumulative Square Footage	Annual	Cumulative
Existing	297,472	297,472	297,472	478,222	478,222	478,222	775,694	775,694
2005	**10,800**	**10,800**	**308,272**	**4,800**	**1,000**	**483,022**	**15,600**	**791,294**
2006	250,000	260,800	558,272	1,000	2,000	484,022	251,000	1,042,294
2007	154,000	414,800	712,272	50,000	52,000	534,022	204,000	1,246,294
2008	3,000	417,800	715,272	1,000	53,000	535,022	4,000	1,250,294
2009	3,000	420,800	718,272	1,000	54,000	536,022	4,000	1,254,294
2010	**250,000**	**670,800**	**968,272**	**1,000**	**55,000**	**537,022**	**251,000**	**1,505,294**
2011	3,000	673,800	971,272	1,000	56,000	538,022	4,000	1,509,294
2012	3,000	676,800	974,272	1,000	57,000	539,022	4,000	1,513,294
2013	3,000	679,800	977,272	1,000	58,000	540,022	4,000	1,517,294
2014	3,000	682,800	980,272	1,000	59,000	541,022	4,000	1,521,294
2015	**250,000**	**932,800**	**1,230,272**	**1,000**	**60,000**	**542,022**	**251,000**	**1,772,294**
2016	3,000	935,800	1,233,272	1,000	61,000	543,022	4,000	1,776,294
2017	3,000	938,800	1,236,272	1,000	62,000	544,022	4,000	1,780,294
2018	3,000	941,800	1,239,272	1,000	63,000	545,022	4,000	1,784,294
2019	3,000	944,800	1,242,272	1,000	64,000	546,022	4,000	1,788,294
2020	**3,000**	**947,800**	**1,245,272**	**1,000**	**65,000**	**547,022**	**4,000**	**1,792,294**
2021	3,000	950,800	1,248,272	1,000	66,000	548,022	4,000	1,796,294
2022	3,000	953,800	1,251,272	1,000	67,000	549,022	4,000	1,800,294
2023	3,000	956,800	1,254,272	1,000	68,000	550,022	4,000	1,804,294
2024	3,000	959,800	1,257,272	1,000	69,000	551,022	4,000	1,808,294
2025	**3,000**	**962,800**	**1,260,272**	**1,000**	**70,000**	**552,022**	**4,000**	**1,812,294**

Estimated annual non-residential square footages were provided by Joel Hamby and Karen Crampton of the City of Wesmorland.

B. Agreement for Fire Protection Services

BUDGET WORKSHEET

City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Estimated Total Requested	Recommended	Adopted
Fund: 110 GENERAL							
Revenues							
Dept: 32 Trash Charges							
4570 Trash charges	158,872	0	0	42,796		187,000	
4577 Recycling Fee	13,883	0	0	3,796		14,900	
4912 Prior Year Carry Over	0	0	0	0		28,000	
Trash Charges	172,755	0	0	46,592		229,900	
Total Revenues	172,755	0	0	46,592		229,900	
Expenditures							
Dept: 32 Trash Charges							
6110 Salaries - Full Time	0	0	0	47		2,200	
6172 Payroll tax expense	0	0	0	3		500	
6175 Health Benefits	0	0	0	0			
6176 Insurance - Workers Comp	0	0	0	0			
6179 Meals expense	0	0	0	0			
6203 Annual fees	10,516	0	0	0		10,517	
6216 Contract Services - Joel Hamby	593	0	0	290		500	
6248 Solid waste disposal	156,846	0	0	25,536		150,000	
Park Cleanup	0	0	0	0		28,000	
6270 Travel & meetings	0	0	0	0			
6301 Office Expense	0	0	0	0			
Trash Charges	167,955	0	0	25,876		191,717	
Total Expenditures	167,955	0	0	25,876		191,717	
GENERAL	4,800	0	0	20,716		38,183	

BUDGET WORKSHEET

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total Requested	Current Year Recommended	Current Year Adopted
Fund: 110 GENERAL							
Revenues							
Dept: 35 Streets							
4428 Traffic Congestion Relief	1,543	0	0	0		1,500	
4429 PPM Funds - Streets	0	0	0	0		50	
4440 State Grant - Transportation	56	0	0	0			
4800 Other Revenue	60	0	0	0			
Streets	1,661	0	0	0		1,550	
Total Revenues	1,661	0	0	0		1,550	
Expenditures							
Dept: 35 Streets							
6110 Salaries - Full Time	0	0	0	0			
6175 Health Benefits	0	0	0	0			
6210 C/Services -	1,164	0	0	0		5,000	
6212 CONTRACT SERVICES	908	0	0	0		1,000	
6216 Contract Services - Joel Hamby	1,067	0	0	0		1,000	
6242 Maintenance of Equipment	444	0	0	0		500	
6246 Repairs & maintenance	70	0	0	0		100	
Repairs & Maintenance - Streets	2,854	0	0	0		3,000	
6265 Rental equipment	0	0	0	0			
6305 Postage/Freight	12	0	0	0			
6320 Small Supplies & tools	100	0	0	0		100	
6329 Fuel & oil	12	0	0	0		50	
6930 Machiner/Equipment	300	0	0	0			
6945 Equipment	0	0	0	0		9,000	
Streets	6,931	0	0	0		19,750	
Total Expenditures	6,931	0	0	0		19,750	
GENERAL	-5,270	0	0	0		-18,200	

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total	Requested	Recommended	Adopted
Fund: 110 GENERAL								
Revenues								
Dept: 50 Parks & Recreation								
4610 Interest Earned	12	0	0	4			12	
4760 Pool Revenue	1,650 1,805	0	0	1,115			1,200	
4800 Other Revenue	2,000	0	0	0				
4802 Developer Fees	16,750 16,500	0	0	750				
4912 Prior Year Carry Over	0	0	0	0			16,750	
Parks & Recreation	20,317 417	0	0	1,869			17,962	
Total Revenues	20,317	0	0	1,869			17,962	
Expenditures								
Dept: 50 Parks & Recreation								
6110 Salaries - Full Time	23,569	0	0	11,062			16,000	
6172 Payroll tax expense	1,803	0	0	846			1,500	
6175 Health Benefits	0	0	0	0				
6176 Insurance - Workers Comp	0	0	0	0				
6201 Advertising (incl legal)	126	0	0	0			100	
6216 Contract Services - Joel Hamby	836	0	0	749			1,000	
deposit refund	0	0	0	10				
6242 Maintenance of Equipment	1,960	0	0	824			500	
6243 Miscellaneous expense	2,068	0	0	0				
6244 Operation of Equipment	285	0	0	0			100	
6246 Repairs & maintenance	1,358	0	0	247			1,500	
6249 Park Cleanup	0	0	0	0			5,400	
6260 Telephone	301	0	0	96			360	
6265 Rental equipment	29	0	0	0				
6290 Utilities - Electric	2,829	0	0	1,272			3,000	
6301 Office Expense	0	0	0	0				
6310 Safety Equipment	58	0	0	0			50	
6320 Small Supplies & tools	630	0	0	73			350	
6322 Landscaping supplies	138	0	0	0			200	
6325 Chemicals	476	0	0	374			300	
6328 Janitorial supplies	199	0	0	0			100	
6329 Fuel & oil	3	0	0	0			50	
6330 Special Departmental Supplies	180	0	0	0			100	
6 Machiner/Equipment	282	0	0	6			3,000	
8545 Capital Project Expense	0	0	0	1,347				

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: 09/30/04	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total	Requested	Recommended	Adopted
Fund: 110 GENERAL								
Expenditures								
Parks & Recreation	37,130	0	0	16,906			33,610	
Total Expenditures	37,130	0	0	16,906			33,610	
GENERAL	-16,813	0	0	-15,037			-15,648	

BUDGET WORKSHEET

City of Westmorland

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: 06/30/04	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru June	Current Year Estimated Total	Requested	Recommended	Adopted
Fund: 110 GENERAL								

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total Requested	Recommended	Adopted
Fund: 110 GENERAL							
Revenues							
Dept: 35 Streets							
4428 Traffic Congestion Relief	1,543	0	0	0			
4429 RSTP Funds - Streets	0	0	0	0		1,500	
4440 State Grant - Transportation	58	0	0	0		50	
4800 Other Revenue	60	0	0	0			
Streets	1,661	0	0	0		1,550	
Total Revenues	1,661	0	0	0		1,550	
Expenditures							
Dept: 35 Streets							
6110 Salaries - Full Time	0	0	0	0			
6175 Health Benefits	0	0	0	0			
6210 C/Services -	1,164	0	0	0		5,000	
6212 CONTRACT SERVICES	908	0	0	0		1,000	
6216 Contract Services - Joel Hamby	1,067	0	0	0		1,000	
6242 Maintenance of Equipment	444	0	0	0		500	
6246 Repairs & Maintenance	70	0	0	0		100	
Repairs & Maintenace - Streets	2,854	0	0	0		3,000	
6265 Rental equipment	0	0	0	0			
6305 Postage/Freight	12	0	0	0			
6320 Small Supplies & tools	100	0	0	0		100	
6329 Fuel & oil	12	0	0	0		50	
6930 Machiner/Equipment	300	0	0	0			
6945 Equipment	0	0	0	0		9,000	
Streets	6,931	0	0	0		19,750	
Total Expenditures	6,931	0	0	0		19,750	
GENERAL	-5,270	0	0	0		-18,200	

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City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Estimated Total Requested	Recommended	Adopted
Fund: 110 GENERAL							
Revenues							
Dept: 50 Parks & Recreation							
4610 Interest Earned	12	0	0	4		12	
4760 Pool Revenue	1,650 ~~1,805~~	0	0	1,115		1,200	
4800 Other Revenue	2,000	0	0	0			
4802 Developer Fees	16,750 ~~16,500~~	0	0	750			
4917 Prior Year Carry Over	0	0	0	0		16,750	
Parks & Recreation	20,317 4/17	0	0	1,869		17,962	
Total Revenues	20,317	0	0	1,869		17,962	
Expenditures							
Dept: 50 Parks & Recreation							
6110 Salaries - Full Time	23,569	0	0	11,062		16,000	
6172 Payroll tax expense	1,803	0	0	846		1,500	
6175 Health Benefits	0	0	0	0			
6176 Insurance - Workers Comp	0	0	0	0			
6201 Advertising (incl legal)	126	0	0	0		100	
6216 Contract Services - Joel Hamby	836	0	0	749		1,000	
Deposit refund	0	0	0	10			
6242 Maintenance of Equipment	1,960	0	0	824		500	
6243 Miscellaneous expense	2,068	0	0	0			
6244 Operation of Equipment	285	0	0	0		100	
6246 Repairs & maintenance	1,358	0	0	247		1,500	
6249 Park Cleanup	0	0	0	0		5,400	
6260 Telephone	301	0	0	96		360	
6265 Rental equipment	29	0	0	0			
6290 Utilities - Electric	2,829	0	0	1,272		3,000	
6301 Office Expense	0	0	0	0			
6310 Safety Equipment	58	0	0	0		50	
6320 Small Supplies & tools	630	0	0	73		350	
6322 Landscaping supplies	138	0	0	0		200	
6325 Chemicals	476	0	0	374		300	
6328 Janitorial supplies	199	0	0	0		100	
6329 Fuel & oil	3	0	0	0		50	
6330 Special Departmental Supplies	180	0	0	0		100	
Machiner/Equipment	282	0	0	6		3,000	
8545 Capital Project Expense	0	0	0	2,347			

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: 09/30/04	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total	Requested	Recommended	Adopted
Fund: 110 GENERAL								
Expenditures								
Parks & Recreation	37,130	0	0	16,906			33,610	
Total Expenditures	37,130	0	0	16,906			33,610	
GENERAL	-16,813	0	0	-15,037			-15,648	

BUDGET WORKSHEET

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: 06/30/04	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru June	Current Year Estimated Total	Requested	Recommended	Adopted
Fund: 110 GENERAL								
Revenues								
Dept: 55 Youth Hall								
4761 Rental - Youth Hall	2,000	2,000	2,000	100	100			
4800 Other Revenue	618	700	700	275	2,425			
Youth Hall	2,618	2,700	2,700	375	2,525			
Total Revenues	2,618	2,700	2,700	375	2,525			
Expenditures								
Dept: 55 Youth Hall								
6110 Salaries - Full Time	0	2,000	2,000	2,003	2,000			
6172 Payroll tax expense	0	200	200	153	200			
6175 Health Benefits	0	0	0	0				
6176 Insurance - Workers Comp	0	0	0	0				
6218 Deposit refund	0	0	0	0				
6242 Maintenance of Equipment	56	100	100	0				
6246 Repairs & maintenance	345	2,000	2,000	63	100			
6260 Telephone	317	300	300	301	300			
6280 Utilities	268	500	500	219	200			
6281 Utilities - Electric	3,597	4,000	4,000	2,378	2,500			
6301 Office Expense	0	100	100	0				
6310 Small Supplies & tools	32	200	200	5	50			
6322 Landscaping supplies	0	150	150	0				
6328 Janitorial supplies	0	600	600	55	100			
Youth Hall	4,615	10,150	10,150	5,177	5,450			
Total Expenditures	4,615	10,150	10,150	5,177	5,450			
GENERAL	-1,997	-7,450	-7,450	-4,802	-2,925			

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Estimated Total Requested	Recommended	Adopted
Fund: 355 BENCHES / SHELTERS Article 8e							
Revenues							
4441 I.C. - IVMG Payments	791 8	0	0	0			
4912 Prior Year Carry Over	0	0	0	0		-4,334	
Operations totals	0	0	0	0		-4,334	
Total Revenues	791 8	0	0	0		-4,334	
Expenditures							
6210 C/Services -	0	0	0	0			
6310 Safety Equipment	0	0	0	0			
7050 Allocation of overhead	0	0	0	0			
9020 Construction	0	0	0	0			
Operations totals	0	0	0	0			
Total Expenditures	0	0	0	0			
BENCHES / SHELTERS Article 8e	791 8	0	0	0		-4,334	

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated	Total Requested	Recommended	Adopted
Fund: 358 BICYCLE / PEDESTRIAN Article 3								
Revenues								
4440 State Grant - Transportation	0	0	0	0				
4441 I.C. - IVAG Payments	27,183	0	0	0				
4912 Prior Year Carry Over	0	0	0	0			13,600	
							54,649	
Operations totals	27,183	0	0	0				
							68,249	
Total Revenues	27,183	0	0	0				
Expenditures							68,249	
6210 C/Services -	0	0	0	0				
6246 Repairs & maintenance	0	0	0	0				
7050 Allocation of overhead	0	0	0	0				
9020 Construction	0	0	0	0				
Operations totals	0	0	0	0				
Total Expenditures	0	0	0	0				
BICYCLE / PEDESTRIAN Article 3	27,183	0	0	0			68,249	

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total Requested	Recommended	Adopted
Fund: 510 WATER PLANT							
Revenues							
1189 USDA WATER & SEWER	0	0	0	0			
4484 State - Water Resources	-7	0	0	0			
4551 Water Service Charges	241,519	0	0	57,975		245,000	
4552 Water Connection Fees	7,184	0	0	2,400		3,000	
4554 Water Turn on Fees	575	0	0	80		500	
4555 Late fees	2,990	0	0	1,625		2,000	
4563 Capacity Fees	135,375	0	0	6,000		3,000	
4610 Interest Earned	0	0	0	0			
4800 Other Revenue	0	0	0	0			
4801 Capital Reimbursements	0	0	0	0			
4850 Insurance Dividends	0	0	0	0			
4910 Operating Transfers In	0	0	0	0			
4911 METER & SERVICES INSTALLATION	2,538	0	0	0			
4912 Prior Year Carry Over	0	0	0	0			
Operations totals	390,174	0	0	68,080		253,500	
Total Revenues	390,174	0	0	68,080		253,500	
Expenditures							
6110 Salaries - Full Time	95,271	0	0	23,039		68,000	
6150 Educational Incentive	448	0	0	0		1,500	
6165 Uniform Allowance	0	0	0	0			
6172 Payroll tax expense	7,286	0	0	1,755		7,100	
6175 Health Benefits	28,464	0	0	8,008		30,000	
6176 Insurance - Workers Comp	7,259	0	0	2,431		8,100	
6179 Meals expense	0	0	0	0		500	
6180 Employee Benefit	0	0	0	0			
6201 Advertising (incl legal)	187	0	0	0		200	
6202 Accounting services	0	0	0	0			
6203 Annual fees	1,371	0	0	0		1,600	
6205 Bank charges	0	0	0	0			
6210 C/Services -	0	0	0	0			
6212 CONTRACT SERVICES	800	0	0	0		1,000	
6213 Contract Services	2,000	0	0	0			
Contract Services - Joel Hamby	9,024	0	0	2,922		10,000	
6218 Deposit refund	0	0	0	16			

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: 09/30/04	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Estimated Total Requested	Recommended	Adopted
Fund: 510 WATER PLANT							
Expenditures							
6229 Drug Testing	485	0	0	37		500	
6230 Insurance - Medical	0	0	0	0			
6231 Insurance	0	0	0	0			
6234 Interest expense	3,885	0	0	0		3,000	
6235 Legal services	0	0	0	0			
6240 M & O Improvements	5,181	0	0	0		3,000	
6242 Maintenance of Equipment	2,231	0	0	4,220		2,000	
6243 Miscellaneous expense	1,555	0	0	28		1,000	
6244 Operation of Equipment	426	0	0	0		500	
6246 Repairs & maintenance	35,226	0	0	1,332		25,000	
6250 Publication/Dues	0	0	0	0		300	
6260 Telephone	2,587	0	0	716		3,000	
6261 Paging services	369	0	0	110		500	
6262 Rent of Property	0	0	0	0			
6264 Testing Services	923	0	0	30		1,000	
6265 Rental equipment	4,065	0	0	639		4,000	
6266 Training/Education	0	0	0	0		1,000	
6268 Certification for employees	0	0	0	0		100	
6270 Travel & meetings	0	0	0	0		200	
6272 Lodging expense	0	0	0	0		300	
6275 Towing service	0	0	0	0			
6280 Utilities	0	0	0	0			
6290 Utilities - Electric	34,820	0	0	11,087		40,000	
6291 Utilities - Water	18,011	0	0	4,200		16,000	
6301 Office Expense	1,917	0	0	336		1,500	
6303 Computer support & updates	3,558	0	0	0		3,500	
6305 Postage/Freight	1,673	0	0	60		2,000	
6308 Promotional	0	0	0	0			
6310 Safety Equipment	164	0	0	14		200	
6320 Small Supplies & tools	1,091	0	0	11		800	
6321 Meter equipment	856	0	0	329		1,000	
6323 Plant Equipment Supplies	1,376	0	0	0		1,000	
6325 Chemicals	26,697	0	0	4,794		25,000	
6328 Janitorial supplies	3,782	0	0	18		4,000	
6329 Fuel & oil	4,689	0	0	734		5,000	

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: 09/30/04	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total Requested	Recommended	Adopted
Fund: 510 WATER PLANT							
Expenditures							
6330 Special Departmental Supplies	0	0	0	362		500	
6340 Uniform	2,903	0	0	528		3,000	
6350 Water Purchases	0	0	0	0			
6810 Amortization	0	0	0	0			
6820 Debt Service	0	0	0	300,878		50,000	
6940 Office Equipment	0	0	0	0		500	
6945 Equipment	0	0	0	0		4,000	
7001 Fines	0	0	0	0			
7050 Allocation of overhead	0	0	0	0			
7051 DEPRECIATION EXPENSE	0	0	0	0			
Operations totals	310,580	0	0	368,636		331,400	
Total Expenditures	310,580	0	0	368,636		331,400	
WATER PLANT	79,594	0	0	-300,556		-77,900	

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total	Requested	Recommended	Adopted
Fund: 520 SEWER PLANT								
Revenues								
2189 USDA WATER & SEWER	0	0	0	0				
4561 Sewer Service Charges	213,909	0	0	58,866			236,000	
4562 Sewer Connection Fees	3,936	0	0	3,000			3,000	
4563 Capacity Fees	207,600	0	0	6,000			3,000	
4565 Late Fees	0	0	0	0				
4580 Septic income	15,884	0	0	2,460			16,000	
4610 Interest Earned	0	0	0	0				
4800 Other Revenue	0	0	0	0				
4801 Capital Reimbursements	0	0	0	0				
4910 Operating Transfers In	39,050	0	0	0			240,793	
4912 Prior Year Carry Over	0	0	0	0			248,309	
Operations totals	480,379	0	0	70,326			503,309	
Total Revenues	480,379	0	0	70,326			503,309	
Expenditures								
6110 Salaries - Full Time	58,214	0	0	14,800			65,000	
Educational Incentive	303	0	0	0			200	
6165 Uniform Allowance	0	0	0	0				
6172 Payroll tax expense	4,450	0	0	1,126			5,000	
6175 Health Benefits	11,195	0	0	3,478			12,000	
6176 Insurance - Workers Comp	4,925	0	0	1,621			5,400	
6179 Meals expense	0	0	0	0				
6180 Employee Benefit	0	0	0	0				
6201 Advertising (incl legal)	261	0	0	0			200	
6202 Accounting services	0	0	0	0				
6203 Annual fees	3,349	0	0	0			5,000	
6205 Bank charges	0	0	0	0				
6210 C/Services -	0	0	0	0				
6212 CONTRACT SERVICES	110	0	0	0			100	
6213 Contract Services	2,108	0	0	0			1,000	
6215 Contract Services - Crampton	1,800	0	0	0			1,000	
6216 Contract Services - Joel Hamby	2,253	0	0	724			4,000	
6220 Drug Testing	225	0	0	23			200	
Insurance - Medical	0	0	0	0				
6231 Insurance	0	0	0	0				

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Fund: 520 SEWER PLANT
Expenditures

	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total	Requested	Recommended	Adopted
6214 Interest expense	0	0	0	0				
6235 Legal services	0	0	0	0				
6240 M & O Improvements	0	0	0	16				
6242 Maintenance of Equipment	3,261	0	0	3,592			3,000	
6243 Miscellaneous expense	1,866	0	0	175			1,000	
6244 Operation of Equipment	840	0	0	0			1,000	
6245 Lot adjustment expense	0	0	0	0				
6246 Repairs & maintenance	73,553	0	0	394			20,000	
6248 Solid waste disposal	0	0	0	0				
6250 Publication/Dues	0	0	0	0				
6260 Telephone	1,397	0	0	428			1,500	
6261 Paging services	130	0	0	56			200	
6262 Rent of Property	0	0	0	0				
6264 Testing Services	23,678	0	0	5,140			23,000	
6265 Rental equipment	108	0	0	89			200	
Training/Education	481	0	0	0			500	
6268 Certification for employees	0	0	0	0				
6270 Travel & meetings	101	0	0	0			100	
6275 Towing service	0	0	0	0				
6290 Utilities - Electric	22,990	0	0	5,465			25,000	
6301 Office Expense	1,372	0	0	280			1,500	
6303 Computer support & updates	3,381	0	0	0			5,000	
6305 Postage/Freight	1,780	0	0	0			2,000	
6308 Promotional	0	0	0	0				
6310 Safety Equipment	32	0	0	106			50	
6320 Small Supplies & tools	748	0	0	16			1,000	
6321 Meter equipment	0	0	0	0				
6323 Plant Equipment Supplies	842	0	0	48			1,000	
6325 Chemicals	4,887	0	0	1,895			5,000	
6328 Janitorial supplies	801	0	0	245			1,000	
6329 Fuel & oil	6,664	0	0	72			7,000	
6330 Special Departmental Supplies	45	0	0	68			50	
Uniform	1,027	0	0	216			1,000	
6820 Debt Service	0	0	0	701			379,412	
6830 Depreciation expense	0	0	0	0				

BUDGET WORKSHEET

City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total	Requested	Recommended	Adopted
Fund: 520 SEWER PLANT								
Expenditures								
6840 Property taxes	0	0	0	0				
6850 Miscellaneous Taxes	0	0	0	0				
6940 Office Equipment	0	0	0	0				
6945 Equipment	409	0	0	0				
7001 Fines	0	0	0	0				
7050 Allocation of overhead	0	0	0	0				
7051 DEPRECIATION EXPENSE	0	0	0	0				
9001 City Contribution	0	0	0	0				
9006 Appraisal fees	0	0	0	0				
9010 General Administration	0	0	0	0				
9020 Construction	0	0	0	0				
9030 Relocation	0	0	0	0				
Operations totals	239,586	0	0	40,764			578,612	
Total Expenditures	239,586	0	0	40,764			578,612	
SEWER PLANT	240,793	0	0	29,562			-75,303	

BUDGET WORKSHEET

City of Westmorland

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h: 09/30/04	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total	Requested	Recommended	Adopted
Fund: 600 DEBT OBLIGATION - ASSESSMENT								
Revenues								
4460 Assessment Revenue	243,529	0	0	8,110			121,000	
4610 Interest Earned	4,146	0	0	728			3,000	
4912 Prior Year Carry Over	0	0	0	0			612,402	
Operations totals	247,675	0	0	8,838			746,402	
Total Revenues	247,675	0	0	8,838			746,402	
Expenditures								
6202 Accounting services	0	0	0	0				
6210 C/Services -	0	0	0	0				
6212 CONTRACT SERVICES	0	0	0	0				
6213 Contract Services	0	0	0	0				
6216 Contract Services - Joel Hamby	2,500	0	0	0			2,500	
6820 Debt Service	0	0	0	19,818			612,402	
6861 Assessment Expense	-28,474	0	0	0				
7050 Allocation of overhead	0	0	0	0				
Operations totals	-25,974	0	0	19,818			614,902	
Total Expenditures	-25,974	0	0	19,818			614,902	
DEBT OBLIGATION - ASSESSMENT	273,649	0	0	-10,980			131,500	

BUDGET WORKSHEET

City of Westmorland

Date: 10/02/04
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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Estimated Total Requested	Recommended	Adopted
Fund: 916 02-STBG-1732							
Revenues							
4450 State Grant - CDBG Projects	107,000 ~~85,000~~	0	0	171,500		285,062	
4800 Other Revenue	0	0	0	30			
Operations totals	85,000	0	0	171,530		285,062	
Total Revenues	85,000	0	0	171,530		285,062	
Expenditures							
9001 City Contribution	0	0	0	632		5,000	
9010 General Administration	11,081	0	0	4,172		14,354	
9011 Activity Delivery	11,217	0	0	3,348		23,178	
9012 Housing Acquisition	0	0	0	92,522		219,780	
9015 Set-aside, Street Lighting	0	0	0	0		27,750	
9020 Construction	0	0	0	0			
Operations totals	22,298	0	0	100,674		290,062	
Total Expenditures	22,298	0	0	100,674		290,062	
02-STBG-1732	~~62,702~~ 97,702.	0	0	70,856		-5,000	

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City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Estimated Total Requested	Recommended	Adopted
Fund: 922 02-EDBG-893							
Revenues							
4450 State Grant - CDBG Projects	~~27,000~~ 1,000	0	0	32		300,000	
4800 Other Revenue	0	0	0	45			
Operations totals	27,000	0	0	77		~~300,000~~	
Total Revenues	~~27,000~~ 1,000	0	0	77		~~300,000~~	
Expenditures							
6172 Payroll tax expense	0	0	0	2			
9001 City Contribution	0	0	0	1		5,000	
9010 General Administration	0	0	0	1,187		22,500	
9011 Activity Delivery	0	0	0	0		27,500	
9014 Bus. Assist. Infrastructure	0	0	0	0		250,000	
Operations totals	0	0	0	1,190		305,000	
Total Expenditures	0	0	0	1,190		305,000	
02-EDBG-893	27,000	0	0	-1,113		-5,000	

BUDGET WORKSHEET

City of Westmorland

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: 09/30/04	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Estimated Total Requested	Recommended	Adopted
Fund: 924 02-HOME-0636 (Chelsea Project)							
Revenues							
4452 State Grants - HOME	0	0	0	2,760,067		3,329,739	
Operations totals	0	0	0	2,760,067		3,329,739	
Total Revenues	0	0	0	2,760,067		3,329,739	
Expenditures							
9010 General Administration	40,000	0	0	40,000		83,243	
9011 Activity Delivery	0	0	0	0		14,434	
9020 Construction	0	0	0	2,720,067		3,231,962	
Operations totals	40,000	0	0	2,720,067		3,329,739	
Total Expenditures	40,000	0	0	2,720,067		3,329,739	
02-HOME-0636 (Chelsea Project)	-40,000	0	0	40,000			

BUDGET WORKSHEET

City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Estimated Total Requested	Estimated Recommended	Estimated Adopted
Fund: 951 GOV'T AGENCIES REVOLVING LOAN							
Revenues							
4450 State Grant - CDBG Projects	-42,131	0	0	0			
4600 Income - Program	69,304	0	0	19,464		95,000	
4605 Income - Interest Loans	3,124	0	0	562		3,700	
4610 Interest Earned	0	0	0	0			
4800 Other Revenue	24,937	0	0	1,289			
4910 Operating Transfers In	0	0	0	0		14,500	
Operations totals	55,234	0	0	21,135		113,200	
Total Revenues	55,234	0	0	21,135		113,200	
Expenditures							
6110 Salaries - Full Time	0	0	0	0		13,000	
6172 Payroll tax expense	0	0	0	113		1,500	
6175 Health Benefits	0	0	0	0			
6201 Advertising (incl legal)	181	0	0	181			
6202 Accounting services	-3,503	0	0	0			
6205 Bank charges	328	0	0	4			
Credit reports	0	0	0	0		50	
6210 C/Services -	18,706	0	0	0			
6213 Contract Services	0	0	0	-12,000			
6301 Office Expense	31	0	0	0		500	
6860 Assessment expense	7,721	0	0	0			
6910 Operating Transfer Out	0	0	0	0			
7050 Allocation of overhead	0	0	0	0		7,204	
9001 City Contribution	6,004	0	0	921		5,000	
9010 General Administration	17,353	0	0	5,181		13,165	
9011 Activity Delivery	15,929	0	0	3,257		13,165	
9020 Construction	72,200	0	0	0		59,616	
Operations totals	134,950	0	0	-2,343		113,200	
Total Expenditures	134,950	0	0	-2,343		113,200	
GOV'T AGENCIES REVOLVING LOAN	-79,716	0	0	23,478			

BUDGET WORKSHEET

City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total	Requested	Recommended	Adopted
Fund: 952 GOV'T AGENCIES - CIRP								
Revenues								
4600 Income - Program	30,969	0	0	1,730			17,000	
4605 Income - Interest Loans	1,971	0	0	273			2,000	
4800 Other Revenue	0	0	0	0				
4912 Prior Year Carry Over	0	0	0	0			92,203	
Operations totals	32,940	0	0	2,003			111,203	
Total Revenues	32,940	0	0	2,003			111,203	
Expenditures								
6110 Salaries - Full Time	0	0	0	0				
6175 Health Benefits	0	0	0	0				
6202 Accounting services	3,564	0	0	0				
6205 Bank charges	60	0	0	1				
6301 Office Expense	31	0	0	0			300	
6303 Computer support & updates	830	0	0	-830				
7050 Allocation of overhead	0	0	0	0			2,000	
9010 General Administration	0	0	0	0			8,280	
Service Area Plan	0	0	0	0			46,000	
9017 Web-page	0	0	0	0			2,500	
9018 IID Building Balloon Payment	0	0	0	0			43,704	
Operations totals	4,485	0	0	-829			102,984	
Total Expenditures	4,485	0	0	-829			102,984	
GOV'T AGENCIES - CIRP	28,455	0	0	2,832			8,219	

BUDGET WORKSHEET

City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Estimated Total Requested	Recommended	Adopted
Fund: 110 GENERAL							
Revenues							
Dept: 55 Youth Hall							
4761 Rental - Youth Hall	100	0	0	0		100	
4800 Other Revenue	275	0	0	2,000		2,425	
Youth Hall	375	0	0	2,000		2,525	
Total Revenues	375	0	0	2,000		2,525	
Expenditures							
Dept: 55 Youth Hall							
6110 Salaries - Full Time	2,003	0	0	973		2,000	
6172 Payroll tax expense	153	0	0	74		200	
6175 Health Benefits	0	0	0	0			
6176 Insurance - Workers Comp	0	0	0	0			
6218 Deposit refund	0	0	0	0			
6242 Maintenance of Equipment	0	0	0	0			
6246 Repairs & maintenance	63	0	0	0		100	
6260 Telephone	301	0	0	98		300	
6280 Utilities	219	0	0	52		200	
Utilities - Electric	2,378	0	0	1,723		2,500	
6301 Office Expense	0	0	0	0			
6320 Small Supplies & tools	5	0	0	9		50	
6322 Landscaping supplies	0	0	0	0			
6328 Janitorial supplies	55	0	0	0		100	
Youth Hall	5,177	0	0	2,939		5,450	
Total Expenditures	5,177	0	0	2,939		5,450	
GENERAL	-4,802	0	0	-939		-2,925	

BUDGET WORKSHEET

City of Westmorland

Date: 10/02/04
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: 09/30/04	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total Requested	Current Year Recommended	Current Year Adopted
Fund: 110 GENERAL							
Revenues							
Dept: 60 IID Building							
4610 Interest Earned	23	0	0	4		25	
4776 Rental - IID	6,500	0	0	1,000		6,000	
4800 Other Revenue	149	0	0	3,956		44,211	
4912 Prior Year Carry Over	0	0	0	0		20,536	
IID Building	6,672	0	0	4,960		70,772	
Total Revenues	6,672	0	0	4,960		70,772	
Expenditures							
Dept: 60 IID Building							
6175 Health Benefits	0	0	0	0			
6246 Repairs & maintenance	0	0	0	0			
6265 Rental equipment	0	0	0	0			
6301 Office Expense	0	0	0	0			
6820 Debt Service	3,000	0	0	65,551		500	
9018 IID Building Balloon Paymcnt	0	0	0	0		65,000	
IID Building	3,000	0	0	65,551		65,500	
Total Expenditures	3,000	0	0	65,551		65,500	
GENERAL	3,672	0	0	-60,591		5,272	

BUDGET WORKSHEET

City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total	Requested	Recommended	Adopted
Fund: 110 GENERAL								
Revenues								
Dept: 90 Building/Planning								
4240 Building (work) permits	73,835	0	0	5,526			35,000	
4510 Zoning / Subdivision Fees	1,383	0	0	64			500	
Building/Planning	75,218	0	0	5,590			35,500	
Total Revenues	75,218	0	0	5,590			35,500	
Expenditures								
Dept: 90 Building/Planning								
6110 Salaries - Full Time	1,787	0	0	202			1,000	
6172 Payroll tax expense	137	0	0	15			150	
6175 Health Benefits	0	0	0	0				
6176 Insurance - Workers Comp	0	0	0	0				
6202 Accounting services	0	0	0	0				
6203 Annual fees	1,341	0	0	0			1,500	
6210 C/Services -	0	0	0	0				
6213 Contract Services	19,999	0	0	1,926			10,000	
6216 Contract Services - Joel Hamby	3,822	0	0	3,803			4,000	
Miscellaneous expense	0	0	0	0			800	
6301 Office Expense	0	0	0	0				
6303 Computer support & updates	650	0	0	0			1,000	
9001 City Contribution	0	0	0	0				
9010 General Administration	0	0	0	0				
9011 Activity Delivery	0	0	0	0				
Building/Planning	27,736	0	0	5,946			18,450	
Total Expenditures	27,736	0	0	5,946			18,450	
GENERAL	47,482	0	0	-356			17,050	

BUDGET WORKSHEET

City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total Requested	Current Year Recommended	Current Year Adopted
Fund: 110 GENERAL							
Revenues							
Dept: 91 Planning and Marketing							
4510 Zoning / Subdivision Fees	0	0	0	0		15,000	
4520 Environmental Fees	0	0	0	0		40,000	
4530 Site Plan Review Fees	0	0	0	0		37,000	
4540 Subdivision Fees	0	0	0	0			
4550 Engineering Fees	0	0	0	0			
4910 Operating Transfers In	0	0	0	0			
Planning and Marketing	0	0	0	0		92,000	
Total Revenues	0	0	0	0		92,000	
Expenditures							
Dept: 91 Planning and Marketing							
6213 Contract Services	0	0	0	0			
6215 Contract Services - Crampton	0	0	0	500		6,000	
6216 Contract Services - Joel Hamby	0	0	0	155		1,000	
9001 City Contribution	0	0	0	0		5,000	
9022 CEQA Reports	0	0	0	0		15,000	
Annexations	0	0	0	0		40,000	
9026 Marketing	0	0	0	64		25,000	
Planning and Marketing	0	0	0	719		92,000	
Total Expenditures	0	0	0	719		92,000	
GENERAL	0	0	0	-719			

BUDGET WORKSHEET

City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total Requested	Current Year Recommended	Current Year Adopted
Fund: 320 LTA - STREETS - Article 8a							
Revenues							
4430 LTA - revenue	141,340	0	0	28,139		150,000	
4441 I.C. - IVAG Payments	86,949	0	0	2,456		41,076	
4610 Interest Earned	0	0	0	0			
4910 Operating Transfers In	0	0	0	0			
4912 Prior Year Carry Over	0	0	0	0		371,751	
Operations totals	228,289	0	0	30,595		562,827	
Total Revenues	228,289	0	0	30,595		562,827	
Expenditures							
6110 Salaries - Full Time	8,312	0	0	2,030		17,000	
6172 Payroll tax expense	636	0	0	155		1,000	
6175 Health Benefits	0	0	0	0			
6176 Insurance - Workers Comp	0	0	0	0			
6201 Advertising (incl legal)	0	0	0	0			
6202 Accounting services	0	0	0	0			
6210 C/Services -	0	0	0	0			
CONTRACT SERVICES	0	0	0	0			
6213 Contract Services	0	0	0	0			
6216 Contract Services - Joel Hamby	0	0	0	217		6,000	
6240 M & O Improvements	0	0	0	0			
6243 Miscellaneous expense	0	0	0	138			
6246 Repairs & maintenance	2,012	0	0	70		1,000	
6247 Repairs & Maintenace - Streets	2,815	0	0	1,651		500,000	
6250 Publication/Dues	0	0	0	0			
6290 Utilities - Electric	0	0	0	0			
6305 Postage/Freight	0	0	0	0			
6310 Safety Equipment	3,286	0	0	32		5,000	
6315 Street Sweeper	0	0	0	0		10,000	
6320 Small Supplies & tools	97	0	0	49		100	
6329 Fuel & oil	0	0	0	0			
7050 Allocation of overhead	0	0	0	0			
Operations totals	17,158	0	0	4,333		540,100	
Total Expenditures	17,158	0	0	4,333		540,100	
LTA - STREETS - Article 8a	211,131	0	0	26,262		22,727	

BUDGET WORKSHEET

City of Westmorland

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: 09/30/04	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Estimated Total Requested	Recommended	Adopted
Fund: 340 TDA - SB 325							
Revenues							
4430 LTA - revenue	0	0	0	0			
4440 State Grant - Transportation	350	0	0	0			
4441 I.C. - IVAG Payments	~~0~~ 791	0	0	0			
Operations totals	~~1,141~~ 1,141	0	0	0			
Total Revenues	1,141	0	0	0			
Expenditures							
6175 Health Benefits	0	0	0	0			
6201 Advertising (incl legal)	85	0	0	0		100	
6216 Contract Services - Joel Hamby	2,030	0	0	364		5,000	
6246 Repairs & maintenance	0	0	0	0			
Operations totals	2,115	0	0	364		5,100	
Total Expenditures	2,115	0	0	364		5,100	
TDA - SB 325	-974	0	0	-364		-5,100	

BUDGET WORKSHEET

City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Estimated Total Requested	Recommended	Adopted
Fund: 150 SPECIAL GAS TAX							
Revenues							
4415 2105 Revenue	15,312	0	0	2,425		14,000	
4416 2106 Revenue	12,061	0	0	1,884		11,100	
4417 2107 Revenue	20,417	0	0	3,222		20,000	
4418 2107.50 Revenue	1,000	0	0	1,000		1,000	
4428 Traffic Congestion Relief	0	0	0	0			
4440 State Grant - Transportation	0	0	0	0			
4610 Interest Earned	0	0	0	0			
4910 Operating Transfers In	0	0	0	0			
Operations totals	48,790	0	0	8,541		46,100	
Total Revenues	48,790	0	0	8,541		46,100	
Expenditures							
6110 Salaries - Full Time	240	0	0	0		500	
6172 Payroll tax expense	18	0	0	0		50	
6175 Health Benefits	0	0	0	0			
6176 Insurance - Workers Comp	0	0	0	0			
Meals expense	0	0	0	0			
6180 Employee Benefit	0	0	0	0			
6201 Advertising (incl legal)	0	0	0	0			
6202 Accounting Services	0	0	0	0			
6210 C/Services -	0	0	0	0			
6213 Contract Services	0	0	0	0			
6246 Repairs & maintenance	0	0	0	0			
6247 Repairs & Maintenace - Streets	0	0	0	556		20,000	
6250 Publication/Dues	0	0	0	0			
6265 Rental equipment	0	0	0	0			
6290 Utilities - Electric	17,784	0	0	2,785		1,000	
6303 Computer support & updates	960	0	0	0			
6310 Safety Equipment	0	0	0	0			
6328 Janitorial supplies	0	0	0	0			
6330 Special Departmental Supplies	0	0	0	0			
7050 Allocation of overhead	0	0	0	0			
Operations totals	19,002	0	0	3,341		21,550	
Total Expenditures	19,002	0	0	3,341		21,550	

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City of Westmorland

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	Prior Year Actual	Current Year Original Budget	Current Year Amended Budget	Current Year Actual Thru September	Current Year Estimated Total Requested	Recommended	Adopted
Fund: 350 SPECIAL GAS TAX							
SPECIAL GAS TAX	29,788	0	0	5,200		24,550	

D. City of Westmorland Infrastructure Estimate

801.001.01

9/16/04

City of Westmoreland
Service Area Expansion
Infrastructure Estimate Summary

Facility	Cost
Westmoreland	$2,418,138
Martin Street	$159,363
H Street	$787,806
Center Street	$341,762
B Street	$787,806
Seventh Street	$555,605
Westmoreland Water	$1,048,608
H Street Water	$316,320
Center Street Water	$832,800
B Street Water	$316,320
Seventh Street Water	$346,992
Westmoreland Sewer	$1,363,680
Martin Sewer	$1,371,584
H Street Sewer	$398,496
Center Sewer	$459,120
B Street Sewer	$398,496
Sewer Plant Upgrade	$8,000,000
Water Plant Upgrade	$5,000,000
Total	$24,902,896

Preliminary Project Cost Estimate
Mainline Improvements

Facility Name:	Westmoreland
Limits	A Street to 1/2 mile West of Martin
Length:	7920 ft
Proposed No. of Lanes	2
Proposed Total Width	60 ft
Existing Total Width	0 ft
Proposed Pavement Width	40 ft
Existing Pavement Width	0 ft
AC Pavement Depth	3.5 in.
Base Material Depth	9 in.
Overlay Width	0 ft
Median Landscaping Width	0 ft
Parkway Landscaping Width	0 ft

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$80,000
2	Clearing & Grubbing	11	Acre	$500	$5,455
3	Demolition/ Removals	0	LS	$4	$0
4	Excavation	2004	CY	$20	$40,089
5	AC Pavement	6376	TONS	$70	$446,292
6	AC Base	14256	TONS	$40	$570,240
7	Curb and Gutter	15840	LF	$15	$237,600
8	Median Curb and Gutter	0	LF	$10	$0
9	Sidewalk	87120	SF	$3.00	$261,360
10	Signing	0	LS	$0	$0
11	Striping	15840	LF	$0.33	$5,227
12	Parkway Landscaping	0	SF	$5.00	$0
13	Median Landscaping	0	SF	$5.00	$0
14	Traffic Signals	0	EA	$170,000	$0
15	Street Lights	13	EA	$2,500	$33,000
Right-of-way		475200	SF		$0
	Total Construction				$1,679,263
	Contingency @ 15%				$251,889
	Engineering @ 12%				$201,512
	CM & Inspection @ 10%				$167,926
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$67,171
	Environmental @3%				$50,378
	Total Non-Construction				$738,876
	Project Total				$2,418,138

ASSUMPTIONS

Preliminary Project Cost Estimate
Mainline Improvements

Facility Name:	Martin Street	
Limits	Miller to Bannister	
Length:	5280	ft
Proposed No. of Lanes	2	
Proposed Total Width	40	ft
Existing Total Width	40	ft
Proposed Pavement Width	24	ft
Existing Pavement Width	24	ft
AC Pavement Depth	0	in.
Base Material Depth	0	in.
Overlay Width	24	ft
Median Landscaping Width		ft
Parkway Landscaping Width		ft

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	0	Acre	$500	$0
3	Demolition/ Removals	0	LS	$4	$0
4	Excavation	0	CY	$20	$0
5	AC Pavement	1531	TONS	$70	$107,184
6	AC Base	0	TONS	$40	$0
7	Curb and Gutter	0	LF	$15	$0
8	Median Curb and Gutter	0	LF	$10	$0
9	Sidewalk	0	SF	$3.00	$0
10	Signing	0	LS	$0	$0
11	Striping	10560	LF	$0.33	$3,485
12	Parkway Landscaping	0	SF	$5.00	$0
13	Median Landscaping	0	SF	$5.00	$0
14	Traffic Signals	0	EA	$170,000	$0
15	Street Lights	0	EA	$1,500	$0
Right-of-way		0	SF		$0
	Total Construction				$110,669
	Contingency @ 15%				$16,600
	Engineering @ 12%				$13,280
	CM & Inspection @ 10%				$11,067
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$4,427
	Environmental @3%				$3,320
	Total Non-Construction				$48,694
	Project Total				$159,363

ASSUMPTIONS

Preliminary Project Cost Estimate
Mainline Improvements

Facility Name:	Center Street	
Limits	Howenstein to Bannister	
Length:	2640	ft
Proposed No. of Lanes	2	
Proposed Total Width	40	ft
Existing Total Width	40	ft
Proposed Pavement Width	24	ft
Existing Pavement Width	24	ft
AC Pavement Depth	0	in.
Base Material Depth	0	in.
Overlay Width	24	ft
Median Landscaping Width		ft
Parkway Landscaping Width		ft

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	0	Acre	$500	$0
3	Demolition/ Removals	0	LS	$4	$0
4	Excavation	0	CY	$20	$0
5	AC Pavement	766	TONS	$70	$53,592
6	AC Base	0	TONS	$40	$0
7	Curb and Gutter	0	LF	$15	$0
8	Median Curb and Gutter	0	LF	$10	$0
9	Sidewalk	0	SF	$3.00	$0
10	Signing	0	LS	$0	$0
11	Striping	5280	LF	$0.33	$1,742
12	Parkway Landscaping	0	SF	$5.00	$0
13	Median Landscaping	0	SF	$5.00	$0
14	Traffic Signals	1	EA	$170,000	$170,000
15	Street Lights	8	EA	$1,500	$12,000
Right-of-way		0	SF		$0
	Total Construction				$237,334
	Contingency @ 15%				$35,600
	Engineering @ 12%				$28,480
	CM & Inspection @ 10%				$23,733
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$9,493
	Environmental @3%				$7,120
	Total Non-Construction				$104,427
	Project Total				$341,762

ASSUMPTIONS

Preliminary Project Cost Estimate
Mainline Improvements

Facility Name:	B Street	
Limits	Howenstien to Bannister	
Length:	2640	ft
Proposed No. of Lanes	2	
Proposed Total Width	60	ft
Existing Total Width	0	ft
Proposed Pavement Width	40	ft
Existing Pavement Width	0	ft
AC Pavement Depth	3.5	in.
Base Material Depth	9	in.
Overlay Width	0	ft
Median Landscaping Width	0	ft
Parkway Landscaping Width	0	ft

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$25,000
2	Clearing & Grubbing	4	Acre	$500	$1,818
3	Demolition/ Removals	0	LS	$4	$0
4	Excavation	668	CY	$20	$13,363
5	AC Pavement	2125	TONS	$70	$148,764
6	AC Base	4752	TONS	$40	$190,080
7	Curb and Gutter	5280	LF	$15	$79,200
8	Median Curb and Gutter	0	LF	$10	$0
9	Sidewalk	29040	SF	$3.00	$87,120
10	Signing	0	LS	$0	$0
11	Striping	5280	LF	$0.33	$1,742
12	Parkway Landscaping	0	SF	$5.00	$0
13	Median Landscaping	0	SF	$5.00	$0
14	Traffic Signals	0	EA	$170,000	$0
15	Street Lights	0	EA	$1,500	$0
Right-of-way		158400	SF		$0
	Total Construction				$547,088
	Contingency @ 15%				$82,063
	Engineering @ 12%				$65,651
	CM & Inspection @ 10%				$54,709
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$21,884
	Environmental @3%				$16,413
	Total Non-Construction				$240,719
	Project Total				$787,806

ASSUMPTIONS

Preliminary Project Cost Estimate
Mainline Improvements

Facility Name:	Seventh Street	
Limits	Martin to Center	
Length:	2640	ft
Proposed No. of Lanes		
Proposed Total Width	60	ft
Existing Total Width	30	ft
Proposed Pavement Width	40	ft
Existing Pavement Width	20	ft
AC Pavement Depth	3.5	in.
Base Material Depth	9	in.
Overlay Width	20	ft
Median Landscaping Width		ft
Parkway Landscaping Width		ft

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	2	Acre	$500	$909
3	Demolition/ Removals	0	LS	$4	$0
4	Excavation	334	CY	$20	$6,681
5	AC Pavement	1670	TONS	$70	$116,886
6	AC Base	2376	TONS	$40	$95,040
7	Curb and Gutter	5280	LF	$15	$79,200
8	Median Curb and Gutter	0	LF	$10	$0
9	Sidewalk	29040	SF	$3.00	$87,120
10	Signing	0	LS	$0	$0
11	Striping	0	LF	$0.33	$0
12	Parkway Landscaping	0	SF	$5.00	$0
13	Median Landscaping	0	SF	$5.00	$0
14	Traffic Signals	0	EA	$170,000	$0
15	Street Lights	0	EA	$1,500	$0
Right-of-way		79200	SF		$0
	Total Construction				$385,837
	Contingency @ 15%				$57,875
	Engineering @ 12%				$46,300
	CM & Inspection @ 10%				$38,584
	City Administration @ 4% (1% design, 1% construction, 2% OH)				$15,433
	Environmental @3%				$11,575
	Total Non-Construction				$169,768
	Project Total				$555,605

ASSUMPTIONS

Preliminary Project Cost Estimate
Underground Water Improvements

Facility Name: Westmoreland Water
From: 1/2 mile West of Martin
To: A Street

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$0	$0
4	12 Inch PVC Water	7920	LF	$60	$475,200
5	House Connections	264	EA	$500	$132,000
6	Excavation	2347	CY	$20	$46,933
7	Backfill	2347	CY	$10	$23,467
8	Shoring	7920	LF	$5	$39,600
9	Valves	20	EA	$500	$10,000
10	Reconstruct AC Pavement	0	SF	$5.00	$0

Total Construction	$728,200
Contingency @ 15%	$109,230
Engineering @ 12%	$87,384
CM & Inspection @ 10%	$72,820
City Administration @ 4% (1% design, 1% construction, 2% OH)	$29,128
Environmental @3%	$21,846
Total Non-Construction	$320,408
Project Total	$1,048,608

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Preliminary Project Cost Estimate
Underground Water Improvements

Facility Name: H Street Water
From: Howenstein
To: Bannister

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$0	$0
4	8 Inch PVC Water	2640	LF	$50	$132,000
5	House Connections	88	EA	$500	$44,000
6	Excavation	782	CY	$20	$15,644
7	Backfill	782	CY	$10	$7,822
8	Shoring	2640	LF	$5	$13,200
9	Valves	12	EA	$500	$6,000
10	Reconstruct AC Pavement	0	SF	$5.00	$0

Total Construction	$219,667
Contingency @ 15%	$32,950
Engineering @ 12%	$26,360
CM & Inspection @ 10%	$21,967
City Administration @ 4% (1% design, 1% construction, 2% OH)	$8,787
Environmental @3%	$6,590
Total Non-Construction	$96,653
Project Total	$316,320

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Preliminary Project Cost Estimate
Underground Water Improvements

Facility Name: Center Street Water
From: Westmoreland
To: First Street

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$5,000	$5,000
4	12 Inch PVC Water	5280	LF	$60	$316,800
5	House Connections	176	EA	$500	$88,000
6	Excavation	1564	CY	$20	$31,289
7	Backfill	1564	CY	$10	$15,644
8	Shoring	5280	LF	$5	$26,400
9	Valves	30	EA	$500	$15,000
10	Reconstruct AC Pavement	15840	SF	$5.00	$79,200

Total Construction	$578,333
Contingency @ 15%	$86,750
Engineering @ 12%	$69,400
CM & Inspection @ 10%	$57,833
City Administration @ 4% (1% design, 1% construction, 2% OH)	$23,133
Environmental @3%	$17,350
Total Non-Construction	$254,467
Project Total	$832,800

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Preliminary Project Cost Estimate
Underground Water Improvements

Facility Name: B Street Water
From: Howenstein to Bannister
To: Bannister

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$0	$0
4	8 Inch PVC Water	2640	LF	$50	$132,000
5	House Connections	88	EA	$500	$44,000
6	Excavation	782	CY	$20	$15,644
7	Backfill	782	CY	$10	$7,822
8	Shoring	2640	LF	$5	$13,200
9	Valves	12	EA	$500	$6,000
10	Reconstruct AC Pavement	0	SF	$5.00	$0

Total Construction	$219,667
Contingency @ 15%	$32,950
Engineering @ 12%	$26,360
CM & Inspection @ 10%	$21,967
City Administration @ 4% (1% design, 1% construction, 2% OH)	$8,787
Environmental @3%	$6,590
Total Non-Construction	$96,653
Project Total	$316,320

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Preliminary Project Cost Estimate
Underground Water Improvements

Facility Name: Seventh Street Water
From: Martin Street
To: Center Street

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$1,500	$1,500
4	8 Inch PVC Water	2640	LF	$50	$132,000
5	House Connections	88	EA	$500	$44,000
6	Excavation	782	CY	$20	$15,644
7	Backfill	782	CY	$10	$7,822
8	Shoring	2640	LF	$5	$13,200
9	Valves	12	EA	$500	$6,000
10	Reconstruct AC Pavement	3960	SF	$5.00	$19,800

Total Construction	$240,967
Contingency @ 15%	$36,145
Engineering @ 12%	$28,916
CM & Inspection @ 10%	$24,097
City Administration @ 4% (1% design, 1% construction, 2% OH)	$9,639
Environmental @3%	$7,229
Total Non-Construction	$106,025
Project Total	$346,992

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Preliminary Project Cost Estimate
Underground Sewer Improvements

Facility Name: Westmoreland Sewer
From: 1/2 mile West of Martin
To: A Street

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$0	$0
4	12 Inch PVC Sewer	7920	LF	$75	$594,000
5	"Y" s	264	EA	$50	$13,200
6	Excavation	4693	CY	$20	$93,867
7	Backfill	4693	CY	$10	$46,933
8	Shoring	7920	LF	$10	$79,200
9	Manholes	26	EA	$4,500	$118,800
10	Reconstruct AC Pavement	0	SF	$5.00	$0

Total Construction	$947,000
Contingency @ 15%	$142,050
Engineering @ 12%	$113,640
CM & Inspection @ 10%	$94,700
City Administration @ 4% (1% design, 1% construction, 2% OH)	$37,880
Environmental @3%	$28,410
Total Non-Construction	$416,680
Project Total	$1,363,680

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Preliminary Project Cost Estimate
Underground Sewer Improvements

Facility Name: Martin Sewer
From: Westmoreland
To: Miller

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$5,000	$5,000
4	12 Inch PVC Sewer	7040	LF	$75	$528,000
5	"Y" s	235	EA	$50	$11,733
6	Excavation	4172	CY	$20	$83,437
7	Backfill	4172	CY	$10	$41,719
8	Shoring	7040	LF	$10	$70,400
9	Manholes	23	EA	$4,500	$105,600
10	Reconstruct AC Pavement	21120	SF	$5.00	$105,600

Total Construction	$952,489
Contingency @ 15%	$142,873
Engineering @ 12%	$114,299
CM & Inspection @ 10%	$95,249
City Administration @ 4% (1% design, 1% construction, 2% OH)	$38,100
Environmental @3%	$28,575
Total Non-Construction	$419,095
Project Total	$1,371,584

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Preliminary Project Cost Estimate
Underground Sewer Improvements

Facility Name: H Street Sewer
From: Howenstein
To: Bannister

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$0	$0
4	8 Inch PVC Sewer	2640	LF	$60	$158,400
5	"Y" s	88	EA	$50	$4,400
6	Excavation	1564	CY	$20	$31,289
7	Backfill	1564	CY	$10	$15,644
8	Shoring	2640	LF	$10	$26,400
9	Manholes	9	EA	$4,500	$39,600
10	Reconstruct AC Pavement	0	SF	$5.00	$0

Total Construction	$276,733
Contingency @ 15%	$41,510
Engineering @ 12%	$33,208
CM & Inspection @ 10%	$27,673
City Administration @ 4% (1% design, 1% construction, 2% OH)	$11,069
Environmental @3%	$8,302
Total Non-Construction	$121,763
Project Total	$398,496

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Preliminary Project Cost Estimate
Underground Sewer Improvements

Facility Name: Center Sewer
From: Howenstein
To: Bannister

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$2,500	$2,500
4	8 Inch PVC Sewer	2640	LF	$60	$158,400
5	"Y" s	88	EA	$50	$4,400
6	Excavation	1564	CY	$20	$31,289
7	Backfill	1564	CY	$10	$15,644
8	Shoring	2640	LF	$10	$26,400
9	Manholes	9	EA	$4,500	$39,600
10	Reconstruct AC Pavement	7920	SF	$5.00	$39,600

Total Construction	$318,833
Contingency @ 15%	$47,825
Engineering @ 12%	$38,260
CM & Inspection @ 10%	$31,883
City Administration @ 4% (1% design, 1% construction, 2% OH)	$12,753
Environmental @3%	$9,565
Total Non-Construction	$140,287
Project Total	$459,120

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

Preliminary Project Cost Estimate
Underground Sewer Improvements

Facility Name: B Street Sewer
From: Howenstein
To: Bannister

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization @ 5%	1	LS	$0	$0
2	Clearing & Grubbing	1	LS	$1,000	$1,000
3	Traffic Detour	1	LS	$0	$0
4	8 Inch PVC Sewer	2640	LF	$60	$158,400
5	"Y" s	88	EA	$50	$4,400
6	Excavation	1564	CY	$20	$31,289
7	Backfill	1564	CY	$10	$15,644
8	Shoring	2640	LF	$10	$26,400
9	Manholes	9	EA	$4,500	$39,600
10	Reconstruct AC Pavement	0	SF	$5.00	$0

Total Construction	$276,733
Contingency @ 15%	$41,510
Engineering @ 12%	$33,208
CM & Inspection @ 10%	$27,673
City Administration @ 4% (1% design, 1% construction, 2% OH)	$11,069
Environmental @3%	$8,302
Total Non-Construction	$121,763
Project Total	$398,496

Assumptions
1. Pavement Width = 3 feet
2. Average Pavement Thickness = 3.5 in.

E. National Pollutant Discharge Elimination System

California Regional Water Quality Control Board
Colorado River Basin Region

Winston H. Hickox
Secretary for Environmental Protection

Internet Address: http://www.swrcb.ca.gov
73-720 Fred Waring Drive, Suite 100, Palm Desert, California 92260
Phone (760) 346-7491 • FAX (760) 341-6820

Gray Davis
Governor

CERTIFIED MAIL NO.: 7002 0460 0002 9403 4212

July 23, 2002

Darrol Pascua
City of Westmorland WWTP
P.O. Box 699
Westmorland, CA 92281

RE: NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT, WASTE DISCHARGE REQUIREMENTS AND MONITORING AND REPORTING FORMS FOR CITY OF WESTMORLAND, IMPERIAL COUNTY, CALIFORNIA

In response to our telephone conversation on July 23, 2002, I have enclosed a copy of the NPDES Permit adopted on January 16, 2002, for the City of Westmorland's wastewater treatment plant, Board Order No. R7-2002-0004. I also enclosed blank reporting forms for your use in complying with the Monitoring and Reporting Program requirements of Board Order No. R7-2002-0004.

If you have any questions concerning this matter, please contact me at (760) 776-8964.

KIRK LARKIN
Water Resources Control Engineer

KL/kg

Enc.: Board Order No. R7-2002-0004
Monitoring and Reporting Worksheets for Board Order No. R7-2002-0004

cc: Joe Diaz, Westmorland, CA

File: 7A 13 0112 012, City of Westmorland WWTP, Board Order No. R7-2002-0004

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. R7-2002-0004
NPDES NO. CA0105007

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
AND
WASTE DISCHARGE REQUIREMENTS
FOR
CITY OF WESTMORLAND, OWNER/OPERATOR
WASTEWATER TREATMENT PLANT, COLLECTION AND DISPOSAL SYSTEMS
Westmorland – Imperial County

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. On July 11, 2001, the City of Westmorland, (hereinafter referred to as the discharger), P.O. Box 699, Westmorland, CA, 92281, Owner/Operator of the Westmorland Wastewater Treatment Plant and Collection System, submitted an application to update its Waste Discharge Requirements (WDRs) and to renew its National Pollutant Discharge Elimination System (NPDES) Permit to discharge secondary treated wastewater to the Trifolium Drain No. 6.

2. The discharger owns and operates the wastewater collection, treatment and disposal system and provides sewerage service to the City of Westmorland. The wastewater treatment plant (WWTP) is located at 5305 Martin Road, Westmorland, CA 92281.

3. The WWTP presently discharges an average daily flow of 0.228 million gallons-per-day (MGD) of secondary treated wastewater.

4. The discharge is into Trifolium Drain No. 6, in the SW ¼ of Section 4, T13S, R13E, SBB&M. The discharged effluent flows through the Trifolium Drain No. 6 for approximately three and one-half (3 ½) miles and enters the New River about eight (8) miles from the Salton Sea.

5. The WWTP facility consisted of two aeration basins and four waste stabilization ponds with a design capacity of 0.375 MGD before expanding to a design treatment capacity of 0.50 MGD. The expansion consists of a new sewage pump station, influent flow meter, one (1) oxidation ditch, two (2) 28-foot diameter clarifiers and a chlorination ditch. The effluent from the clarifiers will be disinfected with gaseous chlorine and then dechlorinated prior to discharge to Trifolium Drain No. 6. New sludge drying beds and a new septage receiving area have also been constructed. Currently, the discharger's collection system consists of separate gravity flow sanitary sewers.

6. The NPDES Permit application describes the effluent flow characteristics as follows:

Constituent/Parameter	Value	Units
Flow, Average Daily	0.228	MGD[1]
Flow Rate, Maximum Daily	0.248	MGD
pH, Minimum Daily	7.8	-------
pH, Maximum Daily	7.9	-------
Effluent BOD_5[2], Average Daily	30.7	mg/L[3]
Effluent BOD_5, Maximum Daily	41.0	mg/L
Effluent TSS[4], Average Daily	25.78	mg/L
Effluent TSS, Maximum Daily	37.0	mg/L

7. The discharger has been subject to an NPDES Permit and WDRs adopted in Board Order No. 98-001 (NPDES No. CA0105007) on January 8, 1998, which allows for discharge to Trifolium Drain No. 6.

8. This Board Order updates the WDRs to comply with the California Toxics Rule, the State Implementation Plan, and the expansion of the facility.

9. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted on November 17, 1993, and designates the beneficial uses of ground and surface waters in the Region.

10. The designated beneficial uses of waters in the Imperial Valley Drains and Trifolium Drain No. 6 are:

    a. Fresh Water Replenishment of the Salton Sea (FRSH)
    b. Water Contact Recreation (REC I)[5,6]
    c. Non-Contact Water Recreation (REC II)[5]
    d. Warm Water Habitat (WARM)
    e. Wildlife Habitat (WILD)
    f. Preservation of Rare, Threatened or Endangered Species (RARE)[7]

11. Federal regulations for storm water discharges require specific categories of facilities which discharge storm water associated with industrial activity (storm water) to obtain NPDES permits and to implement Best Conventional Pollutant Technology (BCT) and Best Available Technology Economically Achievable (BAT) to reduce or eliminate industrial storm water pollution.

12. The action to adopt an NPDES Permit is exempt from the provisions of Chapter 3 of the California Environmental Quality Act (CEQA: Public Resources Code Section 21000, et. seq.), pursuant to Section 13389 of the California Water Code.

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[1] Million Gallons per Day
[2] Biochemical Oxygen Demand
[3] Milligrams per Liter
[4] Total Suspended Solids
[5] Unauthorized Use.
[6] The only REC 1 usage that is known to occur is from infrequent fishing.
[7] Rare, endangered, or threatened wildlife exists in or utilizes some of this waterway(s). If the RARE beneficial use may be affected by a water quality control decision, responsibility for substantiation of the existence of rare, endangered, or threatened species on a case -by-case basis is upon the California Department of Fish and Game on its own initiative and/or at the request of the Regional Board; and such substantiation must be provided within a reasonable time frame as approved by the Regional Board.

13. The City of Westmorland, as Lead Agency, prepared a Negative Declaration for the expansion of the WWTP to meet the State requirement of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.). It was determined that the project will not have a significant effect on the environment. The State Clearinghouse Number for this project is 1998031046. The Regional Board has considered the Negative Declaration and the water quality impacts of the project and concurs that the project will not have significant water quality impacts.

14. The State Water Resources Control Board (SWRCB) adopted Order No. 97-03-DWQ (General Permit No. CAS000001), specifying WDRs for discharges of storm water associated with industrial activities, excluding construction activities, and requiring submittal of a Notice of Intent by industries to be covered under the Permit.

15. The USEPA adopted the National Toxics Rule (NTR) on February 5, 1993. The NTR requires effluent limitation for all pollutants that are, or may be, discharged at a level that will cause or have the reasonable potential to cause, or contribute to, an in-stream excursion above a narrative or numeric water quality standard.

16. On May 18, 2000, the USEPA published the adopted California Toxics Rule (CTR). The CTR promulgates new criteria for both human health protection and protection of aquatic life. New numeric aquatic life criteria for 23 priority toxic pollutants and numeric human health criteria for 57 priority toxic pollutants are listed. In addition, the CTR contains a compliance schedule provision, which authorizes the State to issue schedules of compliance for new or revised NPDES Permit limits based on the federal criteria when certain conditions are met.

17. On March 2, 2000, the SWRCB adopted the Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays and Estuaries of California (California Toxics Policy). This Policy establishes (1) implementation provisions for priority pollutant criteria promulgated by the USEPA through the NTR and CTR and for priority pollutant objectives established by the Regional Water Quality Control Boards in their water quality control plans; (2) monitoring requirements for 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin (TCDD) equivalents; and (3) chronic toxicity control provisions.

18. The Regional Board received priority pollutant monitoring results from the discharger on December 7, 2001. Monitoring for 2, 3, 7, 8- tetrachlorodibenzo-p-dioxin (TCDD) congeners is scheduled for December 2002 and June 2003, with the final report to be submitted by November 15, 2003.

19. The proposed discharge is consistent with the anti-degradation provisions of 40 CFR 131:12 and SWRCB Resolution No. 68-16. If terms of the permit are met, the impact on water quality will be insignificant, including potential impacts on aquatic life, which is the beneficial use most likely affected by the discharge.

20. Domestic wastewater plants with design capacities less than 1.0 MGD are classified as minor by the USEPA. Accordingly the Region Board has classified the discharge as a minor discharge.

21. Effluent and receiving water limitations in this Board Order are based on the Federal Clean Water Act, Basin Plan, SWRCB's plans and policies, USEPA guidance, best professional judgment, and practicable water treatment technology.

22. Effluent limitations and toxic and pretreatment effluent standards, established pursuant to Section 208(b), 301, 302, 304, and 307 of the Federal Clean Water Act (CWA) and amendments thereto that are applicable to this discharge are implemented in this Board Order.

23. The Board has notified the discharger and all known interested agencies and persons of its intent to renew and update NPDES Permit and WDRs for said discharge, and has provided them with an opportunity for a public meeting and an opportunity to submit comments.

24. The Board, in a public meeting, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that Board Order No. 98-001 is terminated, and in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Clean Water Act, and regulations and guidelines adopted thereunder, the discharger shall comply with the following:

A. Effluent Limitations

1. Representative samples of wastewater discharged to Trifolium Drain No. 6 from the treatment system shall not contain constituents in excess of the limits indicated below. Discharge to Trifolium Drain No. 6 shall be monitored at a location that is acceptable to the Regional Board's Executive Officer or his designee.

Constituent	Unit	30-Day[8] Arithmetic Mean Discharge Rate	7-Day[9] Arithmetic Mean Discharge Rate
20°C BOD_5	mg/L	30	45
	lbs/day[10]	130[11]	190[11]
Total Suspended Solids	mg/L	30	45
	lbs/day	130[11]	190[11]
Total Dissolved Solids	mg/L	4,000	4,500

2. The 30-day monthly average for percent removal of the pollutant parameters BOD_5 and total suspended solids shall not be less than 85 percent.

3. The hydrogen ion (pH) of the effluent shall be maintained within the limits of 6.0 to 9.0.

4. Beginning October 1, 2002, effluent discharged to Trifolium Drain No. 6 shall not contain a total chlorine residual greater than 0.02 mg/L as an instantaneous maximum and 0.01 mg/L as a monthly average.

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[8] 30-Day Mean – The arithmetic mean of pollutant parameter values of samples collected in a period of 30 consecutive days as specified in the Monitoring and Reporting Program.

[9] 7-Day Mean – The arithmetic mean of pollutant parameter values of samples collected in a period of 7 consecutive days as specified in the Monitoring and Reporting Program.

[10] lbs/day - pounds per day

[11] Based on a design treatment capacity of 0.5 MGD.

5. Beginning October 1, 2002, effluent discharged to Trifolium Drain No. 6 shall not have an Escherichia Coli (E. Coli) concentration in excess of a log mean of Most Probable Number (MPN) of 126 MPN per 100 milliliters (based on a minimum of not less than five (5) samples for any 30-day period) nor shall any sample during any 30-day period exceed 400 MPN per 100 milliliters.

6. No waste discharge shall exceed the effluent limitations for Group 1 or Group 2 pollutants. Exceedance of a Group 1 pollutant by 40 percent or a Group 2 pollutant by 20 percent or more is a serious violation. Group 1 and Group 2 pollutants are defined in 40 CFR Section 123.45.

7. The effluent shall not contain heavy metals, chemicals, pesticides or other constituents in concentration toxic to aquatic life.

8. There shall be no acute or chronic toxicity in the treatment plant effluent nor shall the treatment plant effluent cause any acute or chronic toxicity in the receiving water. All waters shall be maintained free of toxic substances in concentrations that are toxic to, or that produce detrimental physiological responses in human, plant, animal or indigenous aquatic life. Compliance with this objective will be determined by use of indicator organisms, analyses of species diversity, population density, growth anomalies, or bioassays of appropriate duration or other appropriate methods specified by the Regional Board.

B. Receiving Water Limitations

1. Receiving water limitations are based upon water quality objectives contained in the Basin Plan. As such, they are a required part of this Board Order. Effluent discharged shall not cause the following in the Trifolium Drain No. 6:

   a. Depress the concentration of dissolved oxygen below 5.0 mg/L. When dissolved oxygen in the receiving water is already below 5.0 mg/L, the discharge shall not cause any further depression.

   b. The presence of oil, grease, floating material (liquids, solids, foam and scum) or suspended material in amounts that create a nuisance or adversely affect beneficial uses.

   c. Result in the deposition of pesticides or combination of pesticides to be detected in concentrations that adversely affect beneficial uses.

   d. Aesthetically undesirable discoloration or odors in the receiving water.

   e. A significant increase in fungi, slime, or other objectionable growth.

   f. Increased turbidity that causes a nuisance or adversely affects beneficial uses.

   g. The normal ambient pH to fall below 6.0 or exceed 9.0 units.

   h. Result in the deposition of material that causes nuisance or adversely affects beneficial uses.

   i. The maximum electrical conductivity to exceed background levels.

j. Chemical constituents to exceed concentrations that adversely affect beneficial uses or create nuisance.

k. Toxic pollutants to be present in the water column, sediments or biota in concentrations that adversely affect beneficial uses or that produce detrimental physiological responses in human, plant, animal, or aquatic life.

l. The natural receiving water temperature of surface waters shall not be altered by discharges of wastewater unless it can be demonstrated to the satisfaction of the Regional Board that such alteration in temperature does not adversely affect beneficial uses.

m. Taste or odor-producing substances to impart undesirable tastes or odors to fish flesh or other edible products of aquatic origin or to cause otherwise adversely affect beneficial uses.

2. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the SWRCB as required by the Federal Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act or amendments thereto, the Regional Board will revise and modify this Permit in accordance with such more stringent standards.

C. Prohibitions

1. The bypass, overflow, discharge or spill of untreated or partially treated waste is prohibited.

2. Discharge of treated wastewater at a location or in a manner different from that described in Findings No. 1, 2, 3, 4, and 5 is prohibited.

3. The discharge of waste to land not owned or controlled by the discharger is prohibited.

4. The bypass or overflow of untreated wastewater or wastes to Trifolium Drain No. 6 is prohibited, except as allowed in the Standard Provision No. 13, as contained in the Standard Provisions for NPDES Permit (hereinafter Standard Provisions), dated October 1990.

5. The discharger shall not accept waste in excess of the design treatment capacity of the treatment plant.

D. Specifications

1. The 30-day average hydraulic flow rate for this system shall not exceed 0.5 MGD.

2. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Section 13050(l) and 13050(m) of Division 7 of the California Water Code.

2. A minimum depth of freeboard of two (2) feet shall be maintained at all times in the oxidation ditch.

4. The WWTP shall be protected from any washout or erosion of wastes or covering material, and from any inundation, which could occur as a result of floods having a predicted frequency of once in 100 years.

5. Public contact with undisinfected water or wastewater shall be precluded through such means as fences, signs, and other acceptable alternatives. The non-disinfected wastewater is not approved for off-site distribution. Conspicuous signs shall be posted in a prominent location in each area where non-disinfected wastewater is stored on-site.

6. Objectionable odors originating at this facility shall not be perceivable beyond the limits of the wastewater treatment and disposal area.

7. Bioassays shall be performed to evaluate the toxicity of the discharged wastewater in accordance with the following procedures unless otherwise specified by the Regional Board's Executive Officer or his designee:

   a. Bioassays shall be conducted on a sensitive fish species and an invertebrate species as approved by the Regional Board's Executive Officer. Pimephales promelas (Fathead minnow) and Ceriodaphnia dubia (Water flea) are suggested test species that may be utilized. The bioassays shall be conducted in accordance with the protocol given in EPA/600/4-91/002 – Short Term Methods for Estimating the Chronic Toxicity of Effluent and Receiving Waters to Freshwater Organisms, 3rd Edition, and EPA/600/4-90/027F Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters Freshwater and Marine Organisms, 4th Edition.

   b. The bioassay test shall be performed as specified in the Monitoring and Reporting Program.

8. Any chronic toxicity test that exceeds two (2) chronic toxicity units (TU_c) or a three-sample median[12] (consecutive samples) that exceeds (one) 1 TU_c may trigger an accelerated monitoring frequency. In addition, any acute toxicity results showing high toxicity may trigger an accelerated monitoring frequency. High acute toxicity is defined as follows:

   a. Less than 80% survival when acute toxicity is calculated from results of the chronic toxicity test (only for Pimephales promelas), or

   b. Less than 90% survival as calculated from the results of the acute toxicity test.

9. Accelerated monitoring frequency shall consist of performing three (3) toxicity tests in a six-week period following the first exceedence of the chronic or acute toxicity triggers.

10. A Toxicity Identification Evaluation (TIE) may be triggered if the accelerated monitoring frequency indicates any of the following:

    a. A chronic toxicity of 2 TU_c or greater;

    b. The three-sample median exceeds 1 TU_c,

    c. Less than 80% survival when acute toxicity is calculated from results of the chronic toxicity test (only for Pimephales promelas), or

    d. Less than 90% survival when acute toxicity is calculated from the results of the acute toxicity test.

[12] Three-sample median is defined as follows: The middle value of three consecutive samples arranged from the low value to the high value.

11. The TIE shall be conducted to identify and evaluate toxicity in accordance with procedures recommended by the USEPA and includes, but need not be limited to, proposed:

    a. Toxicity Identification Evaluation: Characterization of Chronically Toxic Effluents, Phase I, (USEPA, 1992a);

    b. Methods for Aquatic Toxicity Identification Evaluations: Phase I Toxicity Characterization Procedures, Second Edition (USEPA, 1991a);

    c. Methods for Aquatic Toxicity Identification Evaluations: Phase II Toxicity Identification Procedures for Samples Exhibiting Acute and Chronic Toxicity (USEPA, 1993a);

    d. Methods for Aquatic Toxicity Identification Evaluations: Phase III Toxicity Confirmation Procedures for Samples Exhibiting Acute and Chronic Toxicity (USEPA, 1993b)

12. If repeated tests reveal toxicity as a result of the waste discharge, the discharger may be required to conduct a Toxicity Reduction Evaluation (TRE). The discharger shall take all reasonable steps to control toxicity once the source of the toxicity is identified. A failure to conduct required toxicity tests or a TRE within a designated period shall result in the establishment of numerical effluent limitations for chronic toxicity in a permit or appropriate enforcement action. Recommended guidance in conducting a TRE include the following:

    a. Toxicity Reduction Evaluation Guidance for Municipal Wastewater Treatment Plants, August 1999, EPA/833B-99/002;

    b. Clarifications Regarding Toxicity Reduction and Identification Evaluations in the NPDES Program dated March 27, 2001, USEPA Office of Wastewater Management, Office of Regulatory Enforcement.

13. Treated or untreated sludge or similar solid waste materials shall be disposed at locations approved by the Regional Board's Executive Officer.

E. Provisions

1. This Board Order shall serve as a NPDES Permit pursuant to Section 402 of the Federal Clean Water Act, as amended, and shall become effective at the end of 10 days from the date of the hearing when this Board Order was adopted by the Regional Board, provided the Regional Administrator, USEPA has no objections.

2. This Board Order expires five (5) years from date of adoption on January 16, 2007, and the discharger shall file a complete Report of Waste Discharge in accordance with Title 23, California Code of Regulations, at least 180 days in advance of such date as an application for issuance of a new Board Order.

3. The discharger shall provide a report to the Regional Board when it determines that the plant is operating at 80 percent of the design capacity specified in Finding No. 3, above. The report should indicate what steps, if any, the discharger intends to take to provide for the expected wastewater treatment capacity necessary when the plant reaches design capacity.

4. The discharger shall ensure that all site-operating personnel are familiar with the content of this Board Order, and shall maintain a copy of this Board Order at the site.

5. Prior to any change in ownership or management of this operation, the discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.

6. The discharger shall comply with all of the conditions of this Board Order. Any noncompliance with this Board Order constitutes a violation of the Federal Clean Water Act and Porter-Cologne Water Quality Control Act and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification of WDRs; or denial of a Permit application.

7. The discharger shall comply with "Standard Provisions for National Pollutant Discharge Elimination System Permit" dated October 1990 (attached).

8. This Board Order does not authorize violation of any federal, state, or local laws or regulations.

9. The discharger is the responsible party for the WDRs and the Monitoring and Reporting Program for the facility. The discharger shall comply with all conditions of these WDRs. Violations may result in enforcement actions including Regional Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these WDRs by the Regional Board.

10. The discharger shall, at all times, properly operate and maintain all systems and components of collection, treatment and control which are installed or used by the discharger to achieve compliance with the conditions of this Board Order. Proper operation and maintenance includes effective performance, adequate process controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of this Board Order. All systems both in service and reserved, shall be inspected and maintained on a regular basis. Records shall be kept of the inspection results and maintenance performed and made available to the Regional Board upon demand.

11. The discharger's WWTP shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Section 3680, Chapter 26, Division 3, Title 23 of the California Code of Regulations. The discharger shall ensure that all operating personnel are familiar with the contents of this Board Order.

12. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted at a laboratory certified for such analysis by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analyses of Pollutants", promulgated by the USEPA.

13. The discharger shall comply with Monitoring and Reporting Program No. R7-2002-0004, and future revisions thereto, as specified by the Regional Board's Executive Officer, and shall be in accordance with the following:

    a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

b. The monitoring and reporting of influent and effluent shall be done, at a minimum, on an annual basis, or as specified in this Board Order. Sewage sludge shall be monitored when removed for final disposal, or as specified in this Board Order. More frequent monitoring may be required, depending on the nature and effect of the sewage sludge use or disposal practices. Frequency of sludge monitoring shall be in accordance with 40 CFR Part 503.

c. All monitoring, including that of sludge for reuse or disposal, must be conducted according to test procedures approved under 40 CFR Part 136 or as specified in this Board Order.

d. The discharger shall retain records of all monitoring information, including all calibrations and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order, for a period of at least five (5) years from the date of the sample, measurement, report or application. This period may be extended by request of the Regional Board's Executive Officer.

e. Records of monitoring information shall include:

1. The date, exact place, and time of sampling measurement(s).
2. The individual(s) who performed the sampling or measurement(s).
3. The date(s) analyses were performed.
4. The individual(s) who performed the analyses.
5. The analytical techniques or methods used.
6. The results of such analyses.

f. The results of any analysis of samples taken more frequently than required at the locations specified in the Monitoring and Reporting Program No. R7-2002-0004 shall be reported to the Regional Board.

14. The discharger shall allow the Regional Board, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:

a. Enter upon the premises regulated by this Board Order, or the place where records must be kept under the conditions of this Board Order;

b. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this Board Order;

c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Board Order; and

d. Sample or monitor at reasonable times, for the purpose of assuring compliance with this Board Order or as otherwise authorized by the California Water Code, any substances or parameters at this location.

Written Comments

Interested parties and agencies are invited to submit written comments on the proposed Waste Discharge Requirements and the Regional Board's Executive Officer's proposed determinations. Comments should be submitted in writing not later than November 30, 2001 to:

Executive Officer
California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring Drive, Suite 100
Palm Desert, CA 92260

The application number shall appear on the first page of any submitted comments. All comments received by the above date will be considered in the formulation of the final determinations.

Public Hearing

The Waste Discharge Requirements will be considered by the Regional Board at a public hearing to be held at the City of La Quinta City Council Chambers, 78495 Calle Tampico, La Quinta on January 16, 2002.

Waste Discharge Requirements Appeals

Any person may petition the State Board to review the decision of the Regional Board regarding Waste Discharge Requirements. A petition must be made within 30 days of the Regional Board's hearing.

Additional Information

Persons wishing further information may write to the following address:

California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring Drive, Suite 100
Palm Desert, CA 92260
or call the Regional Board at (760) 346-7491.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

TABLE 1
DISCHARGE MONITORING REPORT
CITY OF WESTMORLAND WWTP

DATE	INFLUENT DATA		EFFLUENT DATA		
	BOD (MG/L)	SS (MG/L)	BOD (MG/L)	SS (MG/L)	DO (MG/L)
June 2000	175		30	17	
July 2000	180		28	12	
August 2000	144		26	18	
September 2000	235		34	33	
October 2000	210		33	24	
November 2000	213		65	17	
December 2000	193		19	10	
January 2001	160		18.8	13	
February 2001	156		41	22.3	
March 2001	232.5		37	37	
April 2001	520		27	25	
May 2001	208		29.8	31.6	

DATE	EFFLUENT DATA		
	SETTLEABLE MATTER (ML/L)[10]	FLOW TO CHANNEL (MGD)	PH
June 2000	ND[11]	0.1750	7.8
July 2000	ND	0.1720	7.8
August 2000	0.002	0.1660	7.8
September 2000	ND	0.1675	7.7
October 2000	0.04	0.1650	7.5
November 2000	ND	0.2340	7.5
December 2000	ND	0.2430	7.8
January 2001	ND	0.2483	7.9
February 2001	0.1	0.2378	7.8
March 2001	ND	0.2361	7.9
April 2001	0.25	0.2140	7.9
May 2001	ND	0.2030	7.9

[10] ML/L = Milliliters-per-Liter
[11] ND = Non Detectable

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

TABLE 1 (CONT.)
DISCHARGE MONITORING REPORT
CITY OF WESTMORLAND WWTP

DATE	EFFLUENT DATA			
	BIOASSAY[12] ACUTE		BIOASSAY[13] CHRONIC	
	Ceriodaphnia Dubia	Pimephales promelas	Ceriodaphnia dubia	Pimephales promelas
June 2000				
July 2000				
August 2000				
September 2000				
October 2000	100	82.5	<1.0	2.0
November 2000				
December 2000				
January 2001				
February 2001				
March 2001				
April 2001				
May 2001				

DATE	RECEIVING WATER DATA			
	TRIFOLIUM DRAIN NO. 6 Upstream of Discharge		TRIFOLIUM DRAIN NO. 6 Downstream of Discharge	
	DISSOLVED OXYGEN (MG/L)	PH	DISSOLVED OXYGEN (MG/L)	PH
June 2000	7.90		8.04	
July 2000				
August 2000				
September 2000	10.25		10.27	
October 2000				
November 2000				
December 2000	10.6		10.7	
January 2001				
February 2001				
March 2001	7.05		7.37	
April 2001				
May 2001				

[12] Bioassay Acute is measured in % survival in 100% effluent (C. dubia / P. promelas) at the end of 96 hour s.
[13] Bioassay Chronic survival is measured in chronic toxicity units (C. dubia : P. promelas) at the end of 7 days.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

TABLE 2
PROPOSED EFFLUENT AND RECEIVING WATER LIMITATIONS
NPDES PERMIT NO. CA0105007
BOARD ORDER NO. R7-2002-0004
CITY OF WESTMORLAND WWTP

EFFLUENT LIMITATIONS

1. Effluent discharged to the Wildcat Drain shall not contain constituents in excess of the following limits:

Constituent	Unit	30-Day Arithmetic Mean Discharge Rate	7-Day Arithmetic Mean Discharge Rate
20°C BOD_5	mg/L	30	45
	lbs/day[14]	130[15]	190[15]
Total Suspended Solids	mg/L	30	45
	lbs/day[14]	125[15]	190[15]
Total Dissolved Solids	mg/L	4,000	4,500

2. The 30-day average percent removal of the pollutant parameters BOD_5 and total suspended solids shall not be less than 85 percent.

3. The hydrogen ion (pH) of the effluent shall be maintained within the limits of 6.0 to 9.0.

4. Beginning October 1, 2002, effluent discharged to Trifolium Drain No. 6 shall not contain a total chlorine residual greater than 0.02 mg/L as an instantaneous maximum and 0.01 mg/L as a monthly average. Compliance for this effluent limitation shall be at a location acceptable to the Regional Board's Executive Officer or designee.

5. Beginning October 1, 2002, effluent discharged to Trifolium Drain No. 6 shall not have an Escherichia Coli (E. Coli) concentration in excess of a log mean of Most Probable Number (MPN) of 126 MPN per 100 milliliters (based on a minimum of not less than five (5) samples for any 30-day period) nor shall any sample during any 30-day period, exceed 400 MPN per 100 milliliters.

6. The 30-day average hydraulic flow rate for this system shall not exceed 0.50 MGD.

7. No waste discharge shall exceed the effluent limitations for Group 1 or Group 2 pollutants. Exceedance of a Group 1 pollutant by 40 percent or a Group 2 pollutant by 20 percent or more is a serious violation. Group 1 and Group 2 pollutants are defined in 40 CFR Section 123.45.

8. The effluent shall not contain heavy metals, chemicals, pesticides or other constituents in concentrations toxic to aquatic life.

[14] lbs/day = pounds per day mass loading
[15] Based on a design treatment capacity of 0.50 MGD

9. There shall be no acute or chronic toxicity in the treatment plant effluent nor shall the treatment plant effluent cause any acute or chronic toxicity in the receiving water. All waters shall be maintained free of toxic substances in concentrations that are toxic to, or that produce detrimental physiological responses in human, plant, animal or indigenous aquatic life. Compliance with this objective will be determined by use of indicator organisms, analyses of species diversity, population density, growth anomalies, or bioassays of appropriate duration or other appropriate methods specified by the Regional Board.

RECEIVING WATER LIMITATIONS

1. Receiving Water Limitations are based upon water quality objectives contained in the Basin Plan. As such, they are a required part of this permit. The discharge shall not cause the following in Wildcat Drain:

   a. Depress the concentration of dissolved oxygen below 5.0 mg/L. When dissolved oxygen in receiving water is already below 5.0 mg/L, the discharge shall not cause any further depression.

   b. Cause the presence of oil, grease, floating material (liquids, solids, foam and scum) or suspended material in amounts that create a nuisance or adversely affect beneficial uses.

   c. Result in the deposition of pesticides or combination of pesticides to be detected in concentration that adversely affects beneficial uses.

   d. Cause aesthetically undesirable discoloration or odors in the receiving water.

   e. Cause an increase in fungi, slime, or other objectionable growth.

   f. Cause the turbidity to increase by more than ten (10) percent over background levels.

   g. Cause the normal ambient pH to fall below 6.0 or exceed 9.0 units.

   h. Result in the deposition of material that causes nuisance or adversely affects beneficial uses.

   i. The natural receiving water temperature of surface waters shall not be altered by discharges of wastewater unless it can be demonstrated to the satisfaction of the Regional Board that such alteration in temperature does not adversely affect beneficial uses.

   j. Cause in the maximum electrical conductivity to exceed background levels.

   k. Cause the chemical constituents to exceed concentrations that adversely affect beneficial uses or create nuisance.

   l. Cause toxic pollutants to be present in the water column, sediments or biota in concentrations that adversely affect beneficial uses or that produce detrimental physiological responses in human, plant, animal, or aquatic life.

2. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act or amendments thereto, the Regional Board will revise and modify this Permit in accordance with such more stringent standards.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

STANDARD PROVISIONS
FOR
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
OCTOBER 1990

FOR ALL PERMIT HOLDERS

1. Duty to Comply

   a. The discharger must comply with all of the conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and the Porter-Cologne Water Quality Control Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [40 CFR Part 122.41(a)]

   b. The discharger shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if this permit has not been modified to incorporate the requirement. [40 CFR Part 122.41(a)(1)]

2. Duty to Reapply

   If the discharger wishes to continue an activity regulated by this permit after the expiration date of this permit, the discharger must apply for and obtain a new permit. [40 CFR Part 122.4(b)]

   a. Any publicly owned treatment works (POTW) with a currently effective permit shall submit a new application at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Regional Board. (The Regional Board shall not grant permission for applications to be submitted later than the expiration date of the existing permit.) [40 CFR Part 122.41(d)(1)]

   b. All other dischargers with currently effective permits shall submit a new application 180 days before the existing permit expires except that:

      1. The Regional Administrator of the Environmental Protection Agency may grant permission to submit an application later than the deadline for submission otherwise applicable, but no later than the permit expiration date; and

      2. The Regional Administrator of the Environmental Protection Agency may grant permission to submit the information after the permit expiration date required by paragraphs (g)(7),(9), and (10) of 40 CFR Part 122.21.

3. Need to Halt or Reduce Activity Not a Defense

   It shall not be a defense for a discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [40 CFR Part 122.41(c)]

4. Duty to Mitigate

The discharger shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. [40 CFR Part 122.41(d)]

5. Proper Operation and Maintenance

The discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the discharger to achieve compliance with this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a discharger only when necessary to achieve compliance with the conditions of this permit. [40 CFR Part 122.41 (e)]

6. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit; or

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary or a permanent reduction or elimination of the authorized discharge; or

d. A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination.

The Regional Board may also review and revise this permit at any time upon application of any person, or on the Regional Board's own motion. [CWC 13263(e)]

If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under Section 307(a) of the Clean Water Act for a toxic pollutant which is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant to this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or prohibition and the discharger so notified. [40CFR Part 122.41(f)] The filing of a request by the discharger for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit conditions. [40 CFR Part 122.4(f)]

7. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [40 CFR Part 122.41(g)]

8. Duty to Provide Information

The discharger shall furnish the Regional Board, State Board, or EPA, within a reasonable time, any information which the Regional Board, State Board, or EPA may request to determine whether cause exists for modifying, revoking and reissuing, or terminating a permit or to determine compliance with a permit. The discharger shall also furnish to the

Regional Board, upon request, copies of records to be kept by this permit. [40 CFR Part 122.41(h)]

The discharger shall conduct analysis on any sample provided by EPA as part of the Discharge Monitoring Quality Assurance (DMQA) program. The results of any such analysis shall be submitted to EPA's DMQA manager.

9. Inspection and Entry

The discharger shall allow the Regional Board, State Board, EPA, and/or other authorized representatives upon the presentation of credentials and other documents as may be required by law, to:

a. Enter upon the discharger's premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location. [40 CFR Part 122.41(i)]

10. Monitoring and Records

a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

b. The discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 5 years from the date of the sample, measurement, report, or application. This period may be extended by request of the Regional Board, State Board, or EPA at any time.

c. Records of monitoring information shall include:

1. The date, exact place, and time of sampling or measurements;

2. The individual(s) who performed the sampling or measurements;

3. The date(s) analyses were performed;

4. The individual(s) who performed the analyses;

5. The analytical techniques or methods used; and

6. The results of such analyses.

d. Monitoring must be conducted according to test procedures under 40 CFR Part 136, unless other test procedures have been specified in this permit.

15. The discharger shall provide adequate notice to the Regional Board's Executive Officer of the following:

    a. Any new introduction of pollutants into any of the treatment facilities described in the Findings of this Board Order from an indirect discharger which would be subject to Section 301 or 306 of the Federal Clean Water Act, if it were directly discharging the pollutants.

    b. Any substantial change in the volume or character of pollutants being introduced into any of the treatment facilities described in the Findings of this Board Order by an existing or new source.

    c. Any planned physical alterations or additions to the facilities described in this Board Order, or changes planned in the discharger's sludge use or disposal practice, where such alterations, additions, or changes may justify the application of Board Order conditions that are different from or absent in the existing Board Order, including notification of additional disposal sites not reported during the Board Order applications process, or not reported pursuant to an approved land applications plan.

    d. Adequate notice shall include information on the quality and quantity of effluent introduced, and any anticipated impact of the change on the quantity or quality of the discharger's effluent and/or sludge.

    e. The discharger shall report all instances of noncompliance. Reports of noncompliance shall be submitted with the discharger's next scheduled self-monitoring report or earlier if requested by the Regional Board's Executive Officer, or if required by an applicable standard for sludge use and disposal.

16. The discharger shall not cause degradation of any beneficial use of surface or ground water.

17. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the discharge facilities inoperable.

18. All storm water discharges from this facility must comply with the lawful requirements of municipalities, counties, drainage districts and other local agencies regarding discharges of storm water to storm water drain systems or other courses under their jurisdiction.

19. Storm water discharges from the facility shall not cause or threaten to cause pollution or contamination.

20. Storm water discharges from the facility shall not contain hazardous substances equal to or in excess of a reportable quantity listed in 40 CFR Part 117 and/or 40 CFR Part 302.

21. Adequate measures shall be taken to assure that unauthorized persons are effectively excluded from contact with the wastewater disposal facilities.

22. The discharger shall implement acceptable operation and maintenance at the WWTP so that needed repair and maintenance are performed in a timely manner.

23. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the SWRCB as required by the Federal Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act or amendments thereto, the Regional Board will revise and modify this Board Order in accordance with such more stringent standards.

24. The discharger shall furnish, under penalty of perjury, technical monitoring program reports, and such reports shall be submitted in accordance with the specifications prepared by the Regional Board's Executive Officer. Such specifications are subject to periodic revisions as may be warranted.

25. The discharger may be required to submit technical reports as directed by the Regional Board's Executive Officer.

26. All sludge generated at the WWTP will be disposed, treated, or applied to land in accordance with Federal Regulations 40 CFR 503.

27. The discharger shall obtain prior written approval from the Regional Board specifying location and method of disposal, before disposing of treated or untreated sludge, or similar solid waste materials using a method not described in Finding No. 5. In addition, if the discharger intends to dispose of sludge using a method not described in Finding No. 5, then the discharger shall provide a plan as to the method, treatment, handling and disposal of sludge that is consistent with all state and federal laws and regulations.

28. The discharger shall exclude from the WWTP any liquid or solid waste that could adversely affect the plant operation or effluent quality. The excluded liquid or solid waste shall be disposed in accordance with applicable regulations.

29. The discharger shall maintain a permanent log of all solids hauled away from the treatment facility for use/disposal elsewhere and shall provide a summary of the volume, type (screenings, grit, raw sludge, digested sludge), use (agricultural, composting, etc.), and the destination in accordance with the Monitoring and Reporting Program of this Board Order. The sludge that is stockpiled at the treatment facility shall be sampled and analyzed for those constituents listed in the sludge monitoring section of the Monitoring and Reporting Program of this Board Order and as required by Title 40, Code of Federal Regulations, Part 503. The results of the analyses should be submitted to the Regional Board as part of the Monitoring and Reporting Program.

30. This Board Order may be modified, rescinded and reissued, for cause. The filing of a request by the discharger for a Board Order modification, rescission and reissuance, or a notification of planned changes or anticipated noncompliance does not stay any Board Order condition. Causes for modification include the promulgation of new regulations, modification of land application plans, or modification in sludge use or disposal practices, or adoption of new regulations by the State Board or the Regional Board, including revisions to the Basin Plan.

31. The discharger shall report any noncompliance that may endanger human health or the environment. Information shall be provided orally within 24 hours of when the discharger becomes aware of the incident to the Regional Board office and the Office of Emergency Services. The discharger shall also leave a message on the Regional Board office voice recorder during non-business hours. A written report shall also be provided within five (5) business days of the time the discharger becomes aware of the incident. The written report shall contain a description of the noncompliance and its cause, the period of noncompliance,

the anticipated time to achieve full compliance, and the steps taken or planned, to reduce, eliminate, and prevent recurrence of the noncompliance. The discharger shall report all intentional or unintentional sewage spills in excess of 1,000 gallons occurring within the facility or collection system to the Regional Board office in accordance with the above time limits.

32. The discharger shall submit a Spill Response Plan (SRP) for Regional Board staff review within 120 days of the adoption date of this Board Order. Thereafter, the plan shall be updated annually, and shall be available for staff review during Regional Board inspections. The discharger shall ensure that all operating personnel are familiar with the contents of the SRP. A copy of the SRP shall be maintained at the site and shall be accessible to all operating personnel.

33. The discharger shall submit to the Regional Board a Toxicity Reduction Evaluation (TRE) work plan (1-2) pages within 180 days of the effective date of this permit. This plan shall describe the steps the permittee intends to follow in the event that toxicity is detected, and should include at a minimum:

    a. A description of the investigation and evaluation techniques that will be used to identify potential causes/sources of toxicity, effluent variability and treatment system efficiency;

    b. A description of the facility's method of maximizing in-house treatment efficiency and good housekeeping practices and a list of all chemicals used in operation of the facility;

    c. If a Toxicity Identification Evaluation (TIE) is necessary, who will conduct it (i.e. in-house or outside consultant).

34. The discharger shall submit data sufficient to determine if a water quality-based effluent limitation is required in the discharge permit as required under the California Toxics Policy. It is the discharger's responsibility to provide all information requested by the Regional Board for use in the analysis. Within 90 days of adoption of this Board Order, the discharger shall provide a time schedule acceptable to the Regional Board for providing the data. The time schedule shall be as short as possible but no later than April 28, 2003. The time schedule shall contain interim requirements and dates for their achievement. There shall not be more than one (1) year between interim dates. The interim requirements require that the discharger shall notify the Regional Board, in writing, no later than 14 days following each interim date, of its compliance or noncompliance with the interim requirements. The permit shall be reopened to establish water quality-based effluent limitations, if necessary.

35. In addition, should the discharger request to use a translator for metals and selenium different than the USEPA conversion factor, it shall complete a translator study within two (2) years from the date of the issuance of this permit as stated in the California Toxics Policy. In the event a translator study is not completed within the specified time, the USEPA conversion factor-based effluent limitation as specified in the CTR shall be effective as a default limitation.

36. The discharger shall, as required by the Regional Board Executive Officer, conduct a Pollutant Minimization Program in accordance with the California Toxics Policy when there is evidence that the priority pollutant is present in the effluent above an effluent limitation and a sample result is reported as detected and not quantified and the effluent limitation is less than the reported minimum level; or a sample result is reported as not detected and the effluent limitation is less than the method detection limit.

37. The permit shall be reopened and modified or revoked and reissued as a result of the detection of a reportable priority pollutant identified by special conditions' monitoring data, included in this permit. These special conditions in the permit may be, but are not limited to, fish tissue sampling, whole effluent toxicity tests, monitoring requirements on internal waste stream(s), and monitoring for surrogate parameters. Additional requirements may be included in the permit as a result of the special condition monitoring data.

38. By December 2002, the discharger shall begin monitoring its effluent for the presence of 17 (Toxic equivalency factors for 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin equivalents) congeners once during the dry weather and once during the wet weather within a period of three (3) consecutive years. The final report must be submitted to the Regional Board by April 15, 2004.

39. Collected screenings, sludge, and other solids removed from liquid wastes shall be disposed of in a manner that is consistent with SWRCB and Integrated Waste Management Board's joint regulations (Title 27) of the California Code of Regulations and approved by the Regional Board's Executive Officer.

40. The Federal Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Federal Clean Water Act is subject to a civil or criminal penalty.

41. In the event the discharger allows Significant Industrial Users (40 CFR 403.3(t)) to discharge to the WWTP, the discharger shall do so by developing and implementing an approved Industrial Pretreatment Program in accordance with the applicable Federal Pretreatment Regulations promulgated in 40 CFR Part 403.

42. This Board Order does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of neither personal rights, nor any infringement or violation of federal, state, or local laws or regulations.

F. Pretreatment

1. In the event that Significant Industrial Users are discharging to the wastewater treatment facility, then:

   a. The discharger shall enforce the federal categorical pretreatment standards on all Categorical Industrial Users (CIUs) and shall enforce National Pretreatment Standards on all Industrial Users (40 CFR 403.5).

   b. The discharger shall notify each CIU of its discharge effluent limits. The limits must be as stringent as the pretreatment standards contained in the applicable federal category (40 CFR Part 400 - 699). The discharger may develop more stringent, technology based local limits if it can show cause.

   c. The discharger shall notify the RWQCB if any CIU violates its discharge effluent limits.

2. The discharger shall provide the Regional Board with an annual report describing the pretreatment program activities over the previous 12-month period. The report shall be transmitted to the Regional Board office no later than January 31 of each year and include:

   a. A summary of actions taken by the discharger which ensures industrial-user compliance;

b. An updated list of industrial users (by SIC categories) which were issued permits, and/or enforcement orders, and a status of compliance for each user; and

c. The name and address of each user that received a revised discharge limit.

3. The Regional Board retains the right to take legal action against an industrial user and/or the discharger where a user fails to meet the approved applicable pretreatment standards.

Duplicate signed copies of these reports shall be submitted to the USEPA Regional Administrator, and the Regional Board at the following addresses:

Regional Administrator
U. S. Environmental Protection Agency
Region 9, Attn: W-3
75 Hawthorne Street
San Francisco, CA 94105

California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring Drive, Suite 100
Palm Desert, CA 92260

I, Philip A. Gruenberg, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the Regional Water Quality Control Board, Colorado River Basin Region, on January 16, 2002.

Philip A Gruenberg
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. R7-2002-0004
FOR
CITY OF WESTMORLAND, OWNER/OPERATOR
WASTEWATER TREATMENT PLANT, COLLECTION AND DISPOSAL SYSTEMS
Westmorland – Imperial County

Location of Discharge: NW¼ of Section 4, T13S, R13E, SBB&M, through Outfall No. 1

MONITORING

1. The collection, preservation and holding times of all samples shall be in accordance with United States Environmental Protection Agency (USEPA) approved procedures. Unless otherwise approved by the Regional Board's Executive officer, all analyses shall be conducted by a laboratory certified for such analysis by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40CFR 136), promulgated by the USEPA.

2. Compliance with the discharge limitations shall be determined at the end of the treatment process or as specified in the Board Order.

3. If the facility is not in operation, or there is no discharge during a required reporting period, the discharger shall either forward a letter, or write a notation on the required monthly monitoring report to the Regional Board, indicating that there has been no activity during the required reporting period.

INFLUENT MONITORING

The wastewater influent to the treatment facilities shall be monitored as follows:

Constituent	Unit	Type of Sample	Sampling Frequency
Flow	MGD[1]	Flow Meter Reading	Daily[2]
20°C BOD_5	mg/L[3]	24-Hr. Composite	Weekly
Total Suspended Solids	mg/L	24-Hr. Composite	Weekly

[1] MGD - Million Gallons-per-Day
[2] Reported monthly with monthly average daily flow
[3] mg/L - milligrams-per-Liter

EFFLUENT MONITORING

A sampling station shall be established at the point of discharge and shall be located where representative samples of effluent can be obtained. Wastewater discharged to Trifolium Drain No. 6 shall be monitored for the following constituents:

Constituent	Unit	Type of Sample	Sampling Frequency
Chlorine Residual[4]	mg/L	Grab	Daily
pH (Hydrogen Ion)	pH Units	Grab	Weekly
Total Dissolved Solids	mg/L	24-Hr. Composite	Weekly
Total Suspended Solids	mg/L lbs/day[5]	24-Hr. Composite	Weekly
20°C BOD_5	mg/L lbs/day[5]	24-Hr. Composite	Weekly
Temperature	°F	Grab	Weekly
Escherichia Coli (E. Coli)[6]	MPN[7]/100 ml	Grab	Five Samples per Month[8]
Dissolved Oxygen	mg/L	Grab	Quarterly
Nitrates as Nitrogen (N)	mg/L	Grab	Quarterly
Nitrites as N	mg/L	Grab	Quarterly
Total Nitrogen as N	mg/L	Grab	Quarterly
Ammonia Nitrogen as N	mg/L	Grab	Quarterly
Total Phosphate as Phosphorus (P)	mg/L	Grab	Quarterly
Ortho-Phosphate as P	mg/L	Grab	Quarterly
Oil and Grease	mg/L	Grab	Annual

[4] Monitoring for chlorine residual shall begin on the day chlorination of the effluent is initiated
[5] Monitoring for mass loading shall begin after start up of the new facility
[6] Monitoring for E. Coli shall begin the month of October 2002
[7] MPN - Most Probable Number
[8] Five samples equally spaced over a 30-day period with a minimum of one sample per week

RECEIVING WATER MONITORING

All receiving water samples shall be grab samples. Sampling station shall be as follows:

Station	Description
R-1	Not to exceed 100 feet upstream from the point of discharge. A greater distance may be acceptable provided the discharger submits proper justification that the prescribed distance is inaccessible
R-2	Not to exceed 200 feet downstream of the discharge pipe outlet.

Constituent	Unit	Type of Sample	Sampling Frequency
Temperature	°F	Grab	Quarterly
Dissolved Oxygen	mg/L	Grab	Quarterly
pH	-----	Grab	Quarterly
Total Dissolved Solids	mg/L	Grab	Quarterly
Nitrates as N	mg/L	Grab	Quarterly
Nitrites as N	mg/L	Grab	Quarterly
Total Nitrogen as N	mg/L	Grab	Quarterly
Ammonia Nitrogen as N	mg/L	Grab	Quarterly
Total Phosphate as Phosphorus (P)	mg/L	Grab	Quarterly
Ortho-Phosphate as P	mg/L	Grab	Quarterly

In conducting the receiving water sampling, attention shall be given to the presence or absence of:

a. Floating or suspended matter
b. Discoloration
c. Aquatic life (including plants, fish, shellfish, birds)
d. Visible film, sheen or coating
e. Fungi, slime, or objectionable growths
f. Potential nuisance conditions

Notes on receiving water conditions shall be summarized in the monitoring report. A log shall be kept of the receiving water conditions at Stations R1 and R2.

2,3,7,8- TETRACHLORODIBENZO-P-DIOXIN (TCDD) EQUIVALENT MONITORING

By December 2002, the discharger shall begin monitoring its effluent for the presence of 17 (Toxic equivalency factors for 2,3,7,8-tetrachlorodibenzo-p-dioxin equivalents) congeners once during the dry weather and once during the wet weather within a period of three consecutive years. The congeners and Toxic Equivalent Factors can be found in Table 4 of the *"Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California."* A copy of Table No. 4 is shown below.

Table 4

Congener	TEF
2,3,7,8- Tetra-Chlorodibenzo-p-dioxins (CDD)	1
1,2,3,7,8- Penta-CDD	1.0
1,2,3,4,7,8- Hexa-CDD	0.1
1,2,3,6,7,8- Hexa-CDD	0.1
1,2,3,7,8,9- Hexa-CDD	0.1
1,2,3,4,6,7,8- Hepta-CDD	0.01
Octa-CDD	0.0001
2,3,7,8- Tetra- Chlorinated dibenzofurans (CDF)	0.1
1,2,3,7,8- Penta-CDF	0.05
2,3,4,7,8- Penta-CDF	0.5
1,2,3,4,7,8- Hexa-CDF	0.1
1,2,3,6,7,8- Hexa-CDF	0.1
1,2,3,7,8,9- Hexa-CDF	0.1
2,3,4,6,7,8- Hexa-CDF	0.1
1,2,3,4,6,7,8- Hepta-CDF	0.01
1,2,3,4,7,8,9- Hepta-CDF	0.01
Octa-CDF	0.0001

The discharger shall report for each congener the analytical results of the effluent monitoring, including the quantifiable limit and the Method Detection Limit[9], and the measured or estimated concentration. In addition, the discharger shall multiply each measured or estimated congener concentration by its respective Toxic Equivalent Factors[10] value and report the sum of these values. This information shall be submitted as part of the discharger's monitoring reports.

OPERATION AND MAINTENANCE

The discharger shall inspect and document any operation/maintenance problems by inspecting each unit process. The report shall include a listing of flow metering locations and dates of calibration of each flow meter. The results of the operation and maintenance inspections shall be forwarded to this Regional Board annually.

PRETREATMENT REPORT

In the event that the discharger is required to implement a pretreatment program then the discharger shall submit reports as required in accordance with Section F. Pretreatment and Appendix – Requirements for Pretreatment Annual Report of the Waste Discharge Requirements.

SLUDGE MONITORING

The discharger shall report annually on the quantity, location and method of disposal of all sludge and similar solid material being produced at the wastewater treatment plant facility.

Sludge that is generated at the treatment facility and removed for disposal shall be sampled and analyzed for the following:

Constituent	Unit	Type of Sample	Sampling Frequency
Arsenic	mg/kg[11]	Composite	Annually
Cadmium	mg/kg	Composite	Annually
Copper	mg/kg	Composite	Annually
Lead	mg/kg	Composite	Annually
Mercury	mg/kg	Composite	Annually
Molybdenum	mg/kg	Composite	Annually
Nickel	mg/kg	Composite	Annually
Selenium	mg/kg	Composite	Annually
Zinc	mg/kg	Composite	Annually
Fecal Coliform	MPN/gram	Composite	Annually

[9] As determined by the procedure found in 40 CFR 136 (revised as of May 14, 1999)
[10] Table 4 Toxic Equivalency Factors TEF's) for 2, 3, 7, 8-TCDD Equivalents, pg. 27, Policy for Implementation of Toxics, Standard for Inland Surface Waters, Enclosed Bays and Estuaries of California, Adopted March 2, 2000
[11] mg/kg - milligrams-per-kilogram

EFFLUENT TOXICITY TESTING

The discharger shall conduct toxicity testing on the effluent as follows:

Test	Unit	Type of Sample	Minimum Frequency of Test
Chronic Toxicity	TU_c [12]	24-Hr. Composite	Quarterly
Acute Toxicity[13]	TU_a[14] & % Survival[15]	24-Hr. Composite	Quarterly

Both test species given below shall be used to measure acute and chronic toxicity:

Species	Effect	Test Duration (Days)	Reference
Fathead Minnow (Pimephales promelas)	Larval Survival and Growth	7	EPA/600/4-91/002 (chronic) EPA/600/4-90/027F (acute)
Water Flea (Ceriodaphnia dubia)	Survival and Reproduction	7	EPA/600/4-91/002 (chronic) EPA/600/4-90/027F (acute)

Toxicity Test Reference: Methods for measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Fourth Edition, EPA-600-4-90-027F, August 1993. Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water for Freshwater Organisms, EPA-600-4-91-002, July 1994.

Dilution and control waters may be obtained from an unaffected area of receiving waters. Standard dilution is an option and may be used if the above source is suspected to have toxicity greater than 1.0 TU_c. The sensitivity of the test organism to a reference toxicant shall be determined concurrently with each bioassay and reported with the test results.

Chronic toxicity shall be expressed and reported as toxic units (TU_c) where:

$$TU_c = 100/NOEC$$

and the No Observed Effect Concentration (NOEC) is expressed as the maximum percent effluent of test water that causes no observed effect on a test organism, as determined in a critical life stage toxicity test indicated above.

Acute toxicity[13] may be calculated from the results of the chronic toxicity test described above and shall be reported along with the results of each chronic test. Acute toxicity shall be expressed as percent survival of test organism over a 96-hour period in 100% effluent.

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[12] Chronic Toxicity Units
[13] Acute bioassay results can be calculated from chronic bioassay test for Pimephales promelas
[14] Acute Toxicity Units
[15] % Survival - Percent Survival in 100 percent effluent at 96 hours

DEFINITION OF TOXICITY

Chronic toxicity measures sublethal effect (e.g., reduced growth, reproduction) to experimental test organisms exposed to an effluent or ambient waters compared to that of the control organisms.

Chronic toxicity shall be measured in TU_c, where TU_c = 100/NOEC. The no observed effect concentration (NOEC) is the highest concentration of toxicant to which organisms are exposed in a chronic test that causes no observable adverse effect on the test organisms (e.g., the highest concentration of toxicant to which the values for the observed responses are not statistically significantly different from the controls).

Acute toxicity is a measure of primarily lethal effects that occur over a ninety-six (96) hour period. Acute toxicity for Pimephales promelas can be calculated from the results of the chronic toxicity test for Pimephales promelas and reported along with the results of each chronic test. Acute toxicity for Ceriodaphnia dubia cannot be calculated from the results of the chronic toxicity test for Ceriodaphnia dubia because the test design is not amenable to calculation of a lethal concentration (LC50) value as needed for the acute requirement.

Acute toxicity shall be measured in Tu_a, where Tu_a = 100/LC50. LC50 is the toxicant concentration that would cause death in 50 percent of the test organisms.

REPORTING

1. The discharger shall report the results of acute and chronic toxicity testing as determined through standard toxicity protocols using 100% effluent.

2. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data should be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with Waste Discharge Requirements.

3. The discharger shall report with each sample result the applicable Minimum Level (as described in the California Toxics Policy) and the laboratory current Method Detection Limit, as determined by the procedure in 40 CFR 136 (revised as of May 14, 1999).

4. Records of monitoring information shall include:

   a. The date, exact place, and time of sampling or measurement(s);
   b. The individual(s) who performed the sampling or measurement(s);
   c. The date(s) analyses were performed;
   d. The individual(s) who performed the analyses;
   e. The analytical techniques or methods used; and
   f. The results of such analyses.

5. The results of any analysis of samples taken more frequently than required at the locations specified in this Monitoring and Reporting Program shall be reported to the Regional Board.

6. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.

7. Each report shall contain the following statement:

   "I declare under the penalty of law that I personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."

8. A duly authorized representative of the discharger may sign the documents if:

   a. The authorization is made in writing by the person described above;

   b. The authorization specified an individual or person having the responsibility for the overall operation of the regulated disposal system; and

   c. The written authorization is submitted to the Regional Board's Executive Officer.

9. Reporting of any failure in the facility (wastewater treatment plant and collection and disposal systems) shall be as described as in Provision No. 31. Results of any analysis performed as a result of a failure of the facility shall be provided within ten (10) days after collection of the samples.

10. The discharger shall attach a cover letter to the Self Monitoring Report. The information contained in the cover letter shall clearly identify violations of the WDR's, discuss corrective actions to be taken or planned and the proposed time schedule of corrective actions. Identified violations should include a description of the requirement that was violated and a description of the violation.

11. Daily, weekly, and monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. Quarterly monitoring reports shall be submitted by January 15, April 15, July 15, and October 15 of each year. Annual reports shall be submitted by January 15 of each year.

12. Submit reports to:

    California Regional Water Quality Control Board
    Colorado River Basin Region
    73-720 Fred Waring Drive, Suite 100
    Palm Desert, CA 92260

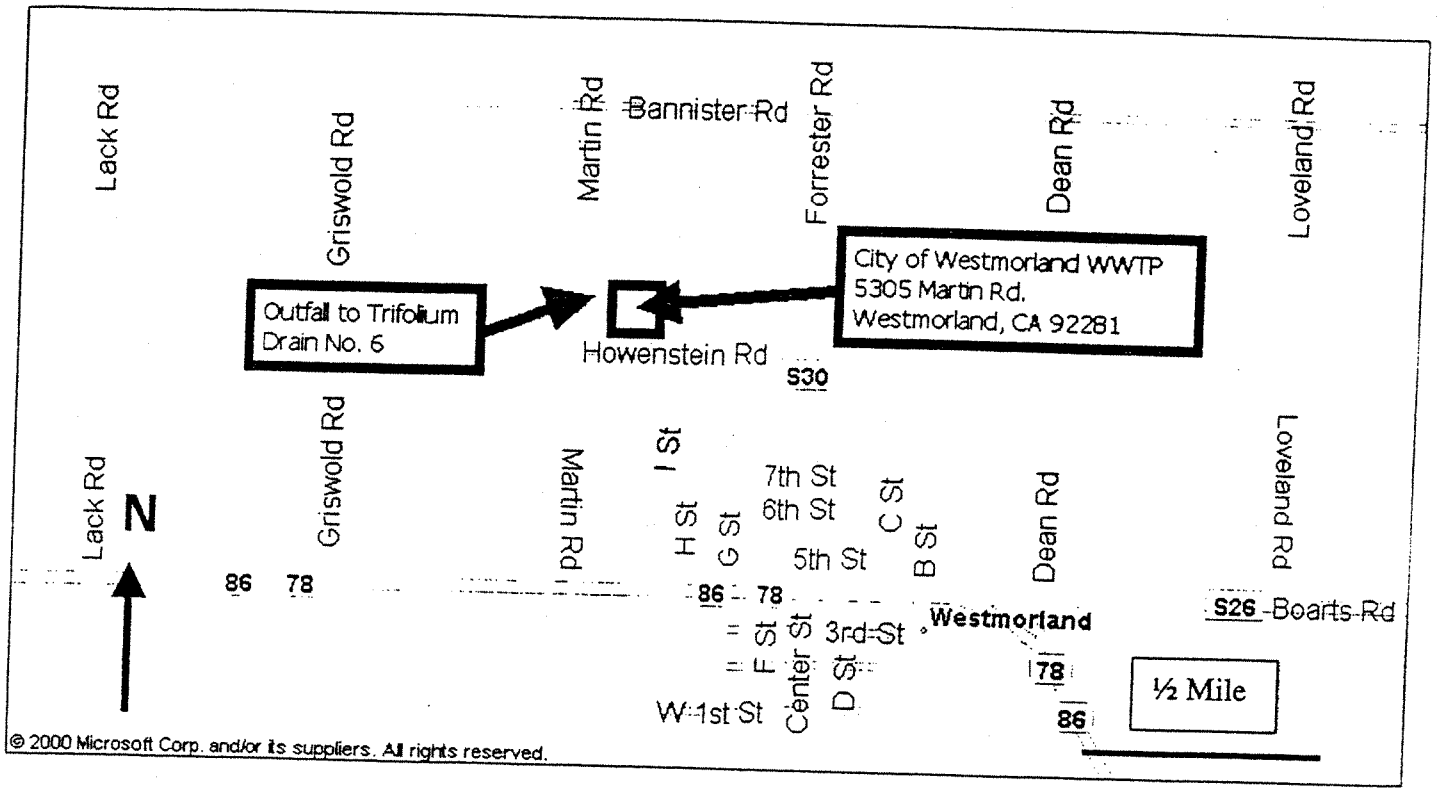
    A copy of the monitoring report shall also be sent to:

    Regional Administrator
    U.S. Environmental Protection Agency
    Region 9, Attn: 65MR, W-3
    75 Hawthorne Street
    San Francisco, CA 9410

Ordered by: Philip A Gunley
Executive Officer

1-17-02
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION



SITE MAP

CITY OF WESTMORLAND, OWNER/OPERATOR
WASTEWATER TREATMENT PLANT, COLLECTION AND DISPOSAL SYSTEM
Westmorland – Imperial County
Outfall Discharge Location: NW¼ of Section 4, T13S, R13E, SBB&M

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

STATEMENT OF BASIS
APPLICATION FOR
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT
AND
WASTE DISCHARGE REQUIREMENTS
TO DISCHARGE TO STATE WATERS

Permittee Name:	City of Westmorland	Public Notice No.:	7-01-29
OPDES Permit Number:	CA0105007	Board Order No.:	R7-2002-0004
Mailing Address:	City of Westmorland P.O. Box 699 Westmorland, CA 92281		
Location:	5305 Martin Road Westmorland, CA 92281		
Contact Person:	Joe Diaz, Director of Public Works		
Telephone:	(760) 344-3411		

I. Status of Permit

On July 11, 2001, the City of Westmorland, owner (hereinafter referred to as the discharger), submitted an application to update its Waste Discharge Requirements and to renew its permit to discharge wastewater under the National Pollutant Discharge Elimination System (NPDES). The application is for the wastewater treatment facility located at the address mentioned above.

II. Facility Description

The discharger owns and operates a wastewater collection and disposal system and provides a sewerage service to the City of Westmorland. The wastewater collection system conveys water to the treatment plant, which consists of two aeration basins and four waste stabilization ponds. The average daily discharge to the receiving waters is 0.228 million gallons-per-day (MGD).

Wastewater is discharged into Trifolium Drain No. 6, located in the NW ¼ of Section 4, T13S, R13E, SBB&M, as shown on the attached site map. Discharged water flows through the Trifolium Drain No. 6 for approximately three and one-half miles before entering the New River, about eight miles from the Salton Sea.

The wastewater treatment plant consists of a sewage pump station, influent flow meter, oxidation ditch, two twenty-eight foot clarifiers, chlorination ditch, sludge drying beds and a septage receiving area. The effluent from the clarifiers will be disinfected with gaseous chlorine and then disinfected prior to discharge to Trifolium Drain No. 6. The wastewater treatment plant contains sludge drying beds and a septage receiving area. The design capacity of the wastewater treatment plant will be 0.5 MGD.

III. Description of Discharge

All wastewater discharged at this facility is discharged through Outfall No. 1 to Trifolium Drain No. 6. The discharge consists of secondary treated domestic wastewater.

IV. Receiving Water

The receiving water for Outfall No. 1 is the Trifolium Drain No. 6. Water discharged from the facility flows through the Trifolium Drain No. 6 for approximately three and one-half miles before entering the New River, about eight miles from the Salton Sea.

The beneficial uses of waters in the Imperial Valley Drains are:

a. Fresh Water Replenishment for Salton Sea (FRSH)
b. Water Contact Recreation (REC I)[1,2]
c. Non-Contact Water Recreation (REC II)[1]
d. Warm Water Habitat (WARM)
e. Wildlife Habitat (WILD)
f. Preservation of Rare, Endangered or Threatened Species (RARE)[3]

V. Description of Discharge

a. Permit Application Summary

The following table summarizes the discharge characteristics of Outfall No. 1 as reported in the NPDES application received July 11, 2001:

Average Daily Flow	0.228	MGD[4]
Maximum Daily Flow Rate	0.248	MGD
Minimum Daily pH	7.8	
Maximum Daily pH	7.9	
Average Daily BOD[5] Concentration	30.7	mg/L[6]
Maximum Daily BOD Concentration	41.0	mg/L
Average Daily TSS[7] Concentration	25.8	mg/L
Maximum Daily TSS Concentration	37.0	mg/L

b. Discharge Monitoring Report (DMR) Data

A summary of DMR data is given in Table 1, contained later in this Fact Sheet. This data was taken from March 2000 through May 2001.

VI. Proposed Technology-Based Effluent Limitations

Regulations promulgated at 40 CFR §125.3(a)(1) require technology-based effluent limits for municipal dischargers to be placed in NPDES permits based on Secondary or Equivalent to Secondary Treatment Standards.

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[1] Unauthorized Use
[2] The only REC I usage that is known to occur is from infrequent fishing activity
[3] Rare, endangered, or threatened wildlife exists in or utilizes some of these waterway(s). If the RARE beneficial use may be affected by a water quality control decision, responsibility for substantiation of the existence of rare, endangered, or threatened species on a case -by-case basis is upon the California Department of Fish and Game on its own initiative and/or at the request of the Regional Board; and such substantiation must b e provided with a reasonable time frame as approved by the Regional Board
[4] Million Gallons-per-Day
[5] Biochemical Oxygen Demand
[6] Milligrams-per-Liter
[7] Total Suspended Solids

a. Secondary Treatment Standards

Constituents	Unit	30-Day[8] Arithmetic Mean Discharge Rate	7-Day[9] Arithmetic Mean Discharge Rate
20° C BOD_5	mg/L	30	45
	lbs/day[10]	130[11]	190[11]
Total Suspended Solids	mg/L	30	45
	lbs/day	130[11]	190[11]

The 30-day average percent removal of the pollutant parameters BOD_5 and total suspended solids shall not be less than 85 percent.

The hydrogen ion (pH) of the effluent shall be maintained within the limits of 6.0 to 9.0.

VII. Proposed Water Quality-Based Effluent Limitations

Effluent discharged from this facility could contain pollutants in sufficient quantities to affect receiving water quality. Pursuant to Section 13263, Article 4, Chapter 4 of the Porter Cologne Water Quality Control Act, the Regional Boards are required to issue Waste Discharge Requirements for discharges that could affect the quality of the State's waters. Furthermore, Federal Regulation 40 CFR 122.1 requires the issuance of NPDES permits for pollutants discharged from a point source to the waters of the United States. The draft discharge requirements contain specific discharge limitations for selected pollutants.

Constituents	Basis for Limitations
Biochemical Oxygen Demand (BOD)	Discharges to waters that support aquatic life, that is dependent on oxygen. Organic matter in the discharge may consume oxygen as it breaks down.
Total Suspended Solids (TSS)	High levels of suspended solids can adversely impact aquatic habitat. Untreated or improperly treated wastewater can contain high amounts of suspended solids.
Total Dissolved Solids	High levels of TDS can adversely impact aquatic life. The TDS limit is from the Basin Plan of the Region.

[8] 30-Day Mean - The arithmetic mean of pollutant parameter values of samples collected in a period of 30 consecutive days as specified in the Monitoring and Reporting Program.
[9] 7-Day Mean - The arithmetic mean of pollutant parameter values of samples collected in a period of 7 consecutive days as specified in the Monitoring and Reporting Program.
[10] lbs/day = pounds per day
[11] Based on a design treatment capacity of 0.5 MGD

Hydrogen Ion (pH)	Hydrogen Ion (pH) is a measure of Hydrogen Ion concentration in the water. A range specified between 6 to 9 ensures suitability of biological life. This limitation has been adopted in the Basin Plan of the Region.
Toxicity	Toxicity testing ensures that the effluent does not contain metals, chemicals, pesticides or other constituents in concentrations toxic to aquatic life.
Escherichia Coli	These limits are required by the Basin Plan for waters designated for water contact recreation (RECI).
Flow	The design capacity of the treatment plant is 0.50 MGD.

VIII. Proposed Effluent Limitations

Table 2, contained later in this Fact Sheet, summarizes the proposed effluent limitations for Outfall No. 1. Proposed effluent limitations are based on secondary treatment standards and Colorado River Basin Plan Water Quality Standards.

IX. Monitoring Requirements

Monitoring for those pollutants expected to be present in the Outfall No. 1 will be required as shown on the proposed monitoring and reporting program and as required in the "*Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California*" adopted March 2, 2000.

X. Information Sources

While developing effluent limitations and receiving water limitations, monitoring requirements, and special conditions for the draft permit, the following information sources were used:

(1) EPA NPDES Application Forms 1 and 2A dated July 9, 2001.
(2) 40 CFR Parts 117,122, 123, 124, 136, 302, 403, and 503.
(3) Water Quality Control Plan (Colorado River Basin - Region 7) dated 1994.
(4) Regional Board files related to City of Westmorland Wastewater Treatment Plant NPDES permit CA0105007.
(5) Porter-Cologne Water Quality Control Act with additions and amendments effective January 1, 2000.
(6) Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California adopted March 2, 2000.
(7) California Toxics Rule, published May 18,2000 by U.S. EPA.
(8) National Toxics Rule (NTR), adopted by U.S. EPA on February 5, 1993.

11. Signatory Requirements

a. All permit applications, reports, or information submitted to the Regional Board, State Board, and/or EPA shall be signed as follows:

1. For a corporation: by a responsible corporate officer. For the purpose of this provision, a responsible corporate officer means: a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy-or decision-making functions for the corporation, or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

3. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this provision, a principal executive officer of a Federal agency includes: the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA). [40 CFR Part 122.22(a)]

b. All reports required by this permit, other information requested by the Regional Board, State Board, or EPA, and all permit applications submitted for Group II stormwater discharges under 40 CFR Part 122.26(b)(3) shall be signed by a person described in paragraph a. of this provision, or by a duly authorized representative of that person. A person is a duly authorized representative only if:

1. The authorization is made in writing by a person described in paragraph a. of this provision;

2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and

3. The written authorization is submitted to the Regional Board. [40 CFR Part 122.22(b)]

c. Changes to authorization. If an authorization under paragraph b. of this provision is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph b. of this provision must be submitted to the Regional Board prior to or together with any reports, information, or applications to be signed by an authorized representative. [40 CFR Part 122.22(c)]

d. Certification. Any person signing a document under paragraph a. or b. of this provision shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my

inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations." [40 CFR Part 122.22(d)]

e. The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification, in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 2 years per violation, or by both.

12. Reporting Requirements

a. Planned changes. The discharger shall give notice to the Regional Board as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required under this provision only when:

1. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR Part 122.29(b); or

2. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged.

b. Anticipated noncompliance. The discharger will give advance notice to the Regional Board of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

c. Transfers

1. This permit is not transferable to any person except after notice to the Regional Board. The Regional Board may require modification or revocation and reissuance of the permit to change the name of the discharger and incorporate such other requirements as may be necessary under the Clean Water Act and the Porter-Cologne Water Quality Control Act.

2. Transfer by modification. Except as provided in paragraph 3 below, a permit may be transferred by the discharger to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made to identify the new discharger and incorporate such other requirements as may be necessary under the Clean Water Act (CWA).

3. Automatic transfers. As an alternative to transfers under paragraph 2 of this provision, any NPDES may be automatically transferred to a new discharger if:

a. The current discharger notifies the Regional Board at least 30 days in advance of the proposed transfer date in paragraph 3.b. of this provision;

b. The notice includes a written agreement between the existing and new dischargers containing a specific date for transfer of permit responsibility, coverage, and liability between them; and

c. The Regional Board does not notify the existing discharger and the proposed new discharger of its intent to modify or revoke and reissue the permit. A modification under this subparagraph may also be a minor modification under

40 CFR Part 122.63. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 3. b. of this provision.

d. Definitions. The following definitions shall apply unless specified in this permit:

1. "Daily Discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the sampling day. "Daily discharge" shall be the concentration of the composite sample. When grab samples are used, the "daily discharge" determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during the sampling day.

2. "Daily Average" discharge limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month.

3. "Daily Maximum" discharge limitations means the highest allowable average "daily discharge" during a calendar month.

e. Monitoring reports. Monitoring results shall be reported at the intervals specified elsewhere in this permit.

1. Monitoring results must be reported on a Discharge Monitoring Report (DMR).

2. If the discharger monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.

3. Calculations for all limitations that require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

4. As required by 40 CFR Part 122.45(b)(2), if a non-POTW discharger has production-based limitation, then the discharger shall submit with the DMR the level of production that actually occurred during each month and the limitations, standards, or prohibitions applicable to that level of production.

f. Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

g. Twenty-four hour reporting. The discharger shall report any noncompliance that may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and, if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance.

The following shall be included as information that must be reported within 24 hours under this paragraph:

1. Any unanticipated bypass that exceeds any effluent limitation in the permit.

2. Any upset that exceeds any effluent limitation in the permit.

3. Violation of a maximum daily discharge limitation for any of the pollutants listed by the Regional Board in this permit to be reported within 24 hours.

The Executive Officer may waive the above-required written report on a case-by-case basis for reports under this provision if the oral report has been received within 24 hours.

h. Other noncompliance. The discharger shall report all instances of noncompliance not reported under paragraphs a., e., f. and g. of this provision, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph g. of this provision.

i. Other information. Where the discharger becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Regional Board, the discharger shall promptly submit such facts or information. [40 CFR Part 122.41(1)]

13. Bypass

a. Definitions

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.

2. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Bypass not exceeding limitations. The discharger may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it is essential maintenance to assure efficient operation. These bypasses are not subject to paragraphs c. and d. of this provision.

c. Notice

1. Anticipated bypass. If the discharger knows in advance of the need for a bypass, it shall submit prior notice, if possible at least 10 days before the date of the bypass.

2. **Unanticipated bypass.** The discharger shall submit notice of an unanticipated bypass as required in paragraph g. of provision 12 above (24-hour notice).

d. **Prohibition of bypass.** Bypass is prohibited, and the Regional Board may take enforcement action against the discharger for bypass, unless:

1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

2. There were no feasible alternatives to the bypass, such as the use of auxilliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

3. The discharger submitted notices as required under paragraph c. of this provision.

e. **Approval of anticipated bypass.** The Regional Board may approve an anticipated bypass, after considering its adverse effects, if the Regional Board determines that it will meet the three conditions listed above in paragraph d. of this provision. [40 CFR Part 122.41(m)]

14. Upset

a. Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the discharger. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

b. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of paragraph c. of this provision are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administration action subject to judicial review.

c. Conditions necessary for a demonstration of upset. A discharger that wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

1. An upset occurred and that the discharger can identify the cause(s) of the upset;

2. The permitted facility was at the time being properly operated;

3. The discharger submitted notice of the upset as required in paragraph g. of provision 12 (24-hour notice); and

4. The discharger complied with any remedial measures required under provision 4.

d. Burden of proof. In any enforcement proceeding, the discharger seeking to establish the occurrence of an upset has the burden of proof. [40 CFR Part 122.41(n)]

15. Enforcement

The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed $25,000 per day of violation. Any person who negligently violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment of not more than 1 year, or both. Higher penalties may be imposed for knowing violations and for repeat offenders. The Porter-Cologne Water Quality Control Act provides for civil and criminal penalties comparable to, and in some cases greater than, those provided under the Clean Water Act.

EXISTNG MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURAL DISCHARGES

All existing manufacturing, commercial, mining and silvicultural dischargers must notify the Regional Board as soon as they know or have reason to believe:

1. That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any toxic pollutant that is not limited in this permit, if that discharge will exceed the highest of the following "notification levels":

   a. One hundred micrograms per liter (100 µg/l);

   b. Two hundred micrograms per liter (200 µg/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/l) for 2,4-dinitrophenol and 2-methyl-4-6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;

   c. Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR Part 122.21(g)(7); or

   d. The level established by the Regional Board in accordance with 40 CFR Part 122.44(f). [40 CFR Part 122.42(a)(1)]

2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

   a. Five hundred micrograms per liter (500 µg/l);

   b. One milligram per liter (1 mg/l for antimony);

   c. Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR Part 122.21(g)(7); or

   d. The level established by the Regional Board in accordance with 40 CFR Part 122.44(f). [40 CFR Part 122.42(a)(2)]

PUBLICLY OWNED TREATMENT WORKS (POTWs)

1. Notice of Changes

   All POTWs must provide adequate notice to the Regional Board of the following:

a. Any new introduction of pollutants into the POTW from an indirect discharger that would be subject to Section 301 or 306 of the Clean Water Act if it were directly discharging those pollutants; and

b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the provision.

For purposes of this provision, adequate notice shall include information on (1) the quality and quantity of effluent introduced into the POTW, and (2) any anticipated impacts on the quantity or quality of effluent to be discharged from the POTW. [40 CFR Part 122.42(b)]

2. Pretreatment

Any POTW (or combination of POTWs operated by the same authority) with a total design flow greater than 5 million gallons per day (mgd) and receiving from industrial users pollutants which pass through or interfere with the operation of the POTW or are otherwise subject to Pretreatment Standards will be required to establish a POTW Pretreatment Program. The Regional Board may require that a POTW with a design flow of 5 mgd or less develop a POTW Pretreatment Program if it finds that the nature or volume of the industrial influent, treatment process upsets, violations of POTW effluent limitations, contamination of municipal sludge, or other circumstances warrant in order to prevent interference with the POTW or Pass Through. [40 CFR Part 403.8]

3. National Pretreatment Standards: Prohibited Discharges

a. General Prohibitions. No source may introduce into a POTW any pollutant(s) which cause Pass Through or Interference. These general prohibitions and the specific prohibitions in paragraph b. of this provision apply to all non-domestic sources introducing pollutants into a POTW whether or not the source is subject to other National Pretreatment Standards or any national, state, or local Pretreatment Requirements.

b. Specific prohibitions. In addition, the following pollutants shall not be introduced into a POTW:

1. Pollutants which create a fire or explosion hazard in the POTW, including but not limited to, waste streams with a closed cup flash point of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR Part 261.21;

2. Pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless the works is specifically designed to accommodate such discharges;

3. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference;

4. Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW;

5. Heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the

POTW Treatment Plant exceeds 40°C (104°F) unless the Regional Board, upon request of the POTW, approves alternate temperature limits;

6. Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;

7. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems; and

8. Any trucked or hauled pollutants, except at discharge points designated by the POTW.

c. When specific limits must be developed by a POTW.

1. POTWs developing POTW Pretreatment Programs pursuant to 40 CFR Part 403.8 shall develop and enforce specific limits to implement the prohibitions listed in paragraphs a. and b. of this provision.

2. All POTWs shall, in cases where pollutant contributed by user(s) result in interference or pass through, and such violation is likely to recur, develop and enforce specific effluent limits for industrial user(s), and all other users, as appropriate, that, together with appropriate changes in the POTW treatment plant's facilities or operations, are necessary to ensure renewed and continued compliance with the POTW's NPDES permit, or sludge use, or disposal practices.

3. Specific effluent limits shall not be developed and enforced without individual notice to persons or groups who have requested such notice and an opportunity to respond.

d. Local limits. Where specific prohibitions or limits on pollutants or pollutant parameters are developed by a POTW in accordance with paragraph c. above, such limits shall be deemed Pretreatment Standards for the purposes of Section 307(d) of the Clean Water Act. [40 CFR Parts 403.5 (a) through (d)]

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

WDID NO.: **7A130112012**
ORDER NO.: **R7-2002-0004**
NPDES NO.: **CA0105007**
REPORTING FREQUENCY: **MONTHLY**

MONITORING AND REPORTING PROGRAM
FOR CITY OF WESTMORLAND
MONTH:_____
YEAR:_____

TYPE OF SAMPLE	INFLUENT			EFFLUENT DISCHARGED TO TRIFOLIUM DRAIN NO. 6					
CONSTITUENTS	FLOW	BOD	TSS	BOD		TSS		BOD Percent Removal	TSS Percent Removal
FREQUENCY:	Daily (D)	Weekly (W)	W	W		W		Monthly (M)	M
DESCRIPTION:	Flow meter reading	24-Hr Composite (24-HC)		24-HC	Calculated (Cal.)	24-HC	Cal.	Cal.	Cal.
UNITS:	MGD	mg/L	mg/L	mg/L	lbs/day[1]	mg/L	lbs/day	%	%
REQUIREMENTS:									
30-DAY MEAN	0.50			30	130	30	130	85	85
7-DAY MEAN				45	190	45	190		
MAXIMUM									
MINIMUM									
DATE OF SAMPLE:									
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30-DAY MEAN									
MAX 7-DAY MEAN									
MAXIMUM									
MINIMUM									

I declare under the penalty of law that I personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____

[1]Pounds per day (lbs/day) - measured daily flowrate in MGD x measured concentration in mg/L x 8.34

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COLORADO RIVER BASIN REGION

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REPORTING FREQUENCY: **MONTHLY**

MONITORING AND REPORTING PROGRAM
FOR CITY OF WESTMORLAND
MONTH:_____
YEAR:_____

TYPE OF SAMPLE	EFFLUENT DISCHARGED TO TRIFOLIUM DRAIN NO. 6				
CONSTITUENTS	Chlorine Residual[1]	Escherichia coli (E. Coli)[2]	pH	Temperature	Total Dissolved Solids (TDS)
FREQUENCY:	Daily (D)	Five per Month[3]	Weekly (W)	W	W
DESCRIPTION:	Grab (G)	G	G	G	24-Hr Composite (24-HC)
UNITS:	mg/L	MPN[4]/100 mL	----	°F	mg/L
REQUIREMENTS:					
30-DAY MEAN	0.01 mg/L	126[5]			4,000
7-DAY MEAN					4,500
MAXIMUM	0.02 mg/L	400	9.0		
MINIMUM			6.0		
DATE OF SAMPLE:					
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30-DAY MEAN					
MAX 7-DAY MEAN					
MAXIMUM					
MINIMUM					

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[1]Monitoring for chlorine residual shall begin on October 1, 2002
[2]Monitoring for E. Coli shall begin on October 1, 2002
[3]Five samples equally spaced over a 30-day period with a minimum of one sample per week
[4]MPN - Most Probable Number
[5]30-Day mean reported as Log Mean of Most Probable Number (MPN) per 100 mL

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
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REPORTING FREQUENCY: **QUARTERLY**

MONITORING AND REPORTING PROGRAM
FOR CITY OF WESTMORLAND
MONTH:_____ **QUARTER:**_____
YEAR:_____

TYPE OF SAMPLE	EFFLUENT DISCHARGED TO TRIFOLIUM DRAIN NO. 6						
CONSTITUENTS	Dissolved Oxygen (DO)	Nitrites as N	Ammonia Nitrogen as N	Nitrate as N	Total Nitrogen as N	Ortho-Phosphate as P	Total Phosphate as P
DESCRIPTION:							
FREQUENCY:	Quarterly (Q)	Q	Q	Q	Q	Q	Q
TYPE OF SAMPLE:	Grab (G)	G	G	G	G	G	G
UNITS:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
REQUIREMENTS:							
30-DAY MEAN							
7-DAY MEAN							
MAXIMUM							
MINIMUM							
DATE OF SAMPLE:							
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30-DAY MEAN							
MAX 7-DAY MEAN							
MAXIMUM							
MINIMUM							

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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

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REPORTING FREQUENCY: **QUARTERLY**

MONITORING AND REPORTING PROGRAM
FOR CITY OF WESTMORLAND
MONTH:_____ **QUARTER:**_____
YEAR:_____

TYPE OF SAMPLE	RECEIVING WATER MONITORING[1]							
CONSTITUENTS	Temperature		Dissolved Oxygen (DO)		pH		Total Dissolved Solids (TDS)	
DESCRIPTION:	R-1[2]	R-2[3]	R-1	R-2	R-1	R-2	R-1	R-2
FREQUENCY:	Quarterly (Q)	Q	Q	Q	Q	Q	Q	Q
TYPE OF SAMPLE:	Grab (G)	G	G	G	G	G	G	G
UNITS:	°F	°F	mg/L	mg/L	---	---	mg/L	mg/L
REQUIREMENTS:								
30-DAY MEAN								
7-DAY MEAN								
MAXIMUM								
MINIMUM								
DATE OF SAMPLE:								
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MAX 7-DAY MEAN								
MAXIMUM								
MINIMUM								

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[1]Upstream and downstream receiving water monitoring information is not required if upstream receiving water flow is not present; If upstream receiving water flow is not present, indicated no flow condition on monitoring and reporting form.

[2]Sampling station shall not exceed 100 feet upstream from the discharge pipe outlet.

[3]Sampling station shall not exceed 200 feet downstream of the discharge pipe outlet.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

WDID NO.: **7A130112012**
ORDER NO.: **R7-2002-0004**
NPDES NO.: **CA0105007**
REPORTING FREQUENCY: **QUARTERLY**

MONITORING AND REPORTING PROGRAM
FOR CITY OF WESTMORLAND
MONTH:_____ **QUARTER:**_____
YEAR:_____

TYPE OF SAMPLE	RECEIVING WATER MONITORING[1]											
CONSTITUENTS	Nitrite as N		Ammonia Nitrogen as N		Nitrate as N		Total Nitrogen as N		Ortho-Phosphate as P		Total Phosphate as P	
DESCRIPTION:	R-1[2]	R-2[3]	R-1	R-2	R-1	R-2	R-1	R-2	R-1	R-2	R-1	R-2
FREQUENCY:	Quarterly (Q)	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF SAMPLE:	Grab (G)	G	G	G	G	G	G	G	G	G	G	G
UNITS:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
REQUIREMENTS:												
30-DAY MEAN												
7-DAY MEAN												
MAXIMUM												
MINIMUM												
DATE OF SAMPLE:												
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[1]Upstream and downstream receiving water monitoring information is not required if upstream receiving water flow is not present; If upstream receiving water flow is not present, indicated no flow condition on monitoring and reporting form.

[2]Sampling station shall not exceed 100 feet upstream from the discharge pipe outlet.

[3]Sampling station shall not exceed 200 feet downstream of the discharge pipe outlet.

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REPORTING FREQUENCY: **QUARTERLY**

MONITORING AND REPORTING PROGRAM
FOR CITY OF WESTMORLAND
MONTH:_____ **QUARTER:**_____
YEAR:_____

RECEIVING WATER MONITORING[1] (CONT.)

Is there receiving water at Station R-1? Yes No

If the answer is no, upstream and downstream receiving water monitoring information is not required, otherwise continue with the following questions.

PLEASE CIRCLE THE APPROPRIATE ANSWER

Station R-1[2] (The following questions refer to Station R-1)

Is there the presence of floating or suspended matter present?	Yes	No
Is there discoloration present?	Yes	No
Is there aquatic life present?	Yes	No
Is there visible film, sheen or coating present?	Yes	No
Is there fungi, slime or objectionable growths present?	Yes	No
Is there potential nuisance conditions present?	Yes	No

Station R-2[3] (The following questions refer to Station R-2)

Is there the presence of floating or suspended matter present?	Yes	No
Is there discoloration present?	Yes	No
Is there aquatic life present?	Yes	No
Is there visible film, sheen or coating present?	Yes	No
Is there fungi, slime or objectionable growths present?	Yes	No
Is there potential nuisance conditions present?	Yes	No

Any additional comments.

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[1]Upstream and downstream receiving water monitoring information is not required if upstream receiving water flow is not present; If upstream receiving water flow is not present, indicated no flow condition on monitoring and reporting form.

[2]R-1: Sampling station shall not exceed 100 feet upstream from the discharge pipe outlet.

[3]R-2: Sampling station shall not exceed 200 feet downstream of the discharge pipe outlet.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

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REPORTING FREQUENCY: **QUARTERLY**

MONITORING AND REPORTING PROGRAM
FOR CITY OF WESTMORLAND
MONTH: _____ **QUARTER:** _____
YEAR: _____

TYPE OF SAMPLE	EFFLUENT DISCHARGED TO TRIFOLIUM DRAIN NO. 6	
CONSTITUENTS	Acute Toxicity[1]	Chronic Toxicity
FREQUENCY:	Quarterly	Quarterly
DESCRIPTION:	24-Hr. Composite	24-Hr. Composite
UNITS:	Acute Toxicity Units (Tu_a) and % survival[2]	Chronic Toxicity Unit (Tu_c)
REQUIREMENTS:		
30-DAY MEAN:		
7-DAY MEAN:		
MAXIMUM:		
MINIMUM:		
DATE OF SAMPLE:		
1	Attach Bioassay Test Reports	
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MAX 7-DAY MEAN		
MAXIMUM		
MINIMUM		

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[1]Acute bioassay results can be calculated from chronic bioassay test for *Pimephales promelas*
[2]% Survival - Percent Survival in 100 percent effluent at 96 hours

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
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NPDES NO.: **CA0105007**
REPORTING FREQUENCY: **ANNUAL**

MONITORING AND REPORTING PROGRAM
FOR CITY OF WESTMORLAND
MONTH: _____ **ANNUAL REPORT**
YEAR: _____

ANNUAL MONITORING

EFFLUENT MONITORING FOR OIL AND GREASE

Effluent shall be monitored and reported for the following constituent, the sample shall be grab

CONSTITUENTS	UNITS	RESULT
Oil and Grease	mg/L	_____

SLUDGE QUANTITY, METHOD AND LOCATION OF DISPOSAL

The discharge shall report annually on the quantity, location and method of disposal of all sludge and similar solid material being produced at the wastewater treatment plant facility.

QUANTITY (TONS): _____

METHOD OF DISPOSAL: _____

_____

_____

LOCATION OF DISPOSAL: _____

_____

_____

SLUDGE MONITORING

Sludge shall be sampled and analyzed for the following constituents, all samples shall be composite:

CONSTITUENTS	UNITS	RESULTS
Arsenic	mg/kg	_____
Cadmium	mg/kg	_____
Copper	mg/kg	_____
Lead	mg/kg	_____
Mercury	mg/kg	_____
Molybdenum	mg/kg	_____
Nickel	mg/kg	_____
Selenium	mg/kg	_____
Zinc	mg/kg	_____
Fecal Coliform	MPN/gram	_____

LIST ANY ATTACHMENTS FOR ADDITIONAL INFORMATION ON SLUDGE OR SIMILAR SOLIDS

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REPORTING FREQUENCY: **ANNUAL**

MONITORING AND REPORTING PROGRAM
FOR CITY OF WESTMORLAND
ANNUAL REPORT

MONTH: _____

YEAR: _____

ANNUAL REPORTING

OPERATION AND MAINTENANCE

The discharger shall inspect and document any operation/maintenance problems by inspecting each unit process. The results of the operation and maintenance inspections shall be forwarded to this Regional Board annually.

PRETREATMENT REPORT

In the event that the discharger is required to implement a pretreatment program then the discharger shall submit reports as required in accordance with Section F. Pretreatment and Appendix - Requirements for Pretreatment Annual Report of the Waste Discharge Requirements.

LIST ANY ATTACHMENTS FOR ADDITIONAL INFORMATION

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