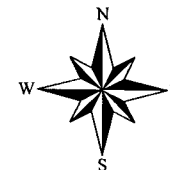


MEETING DATE: 04/09/07

AGENDA ITEM: Award a Construction Contract to DLSB, Inc., for the Eeward Road, Drakewood Avenue, Whitburn Avenue, Flaxton Street, Blackwelder Street, Smiley Drive, Northgate Street, Cranks Road, Commonwealth Alley, and Carson Street, Sewer Improvement Projects; and Award a Professional Services Contract to APD Consultants, Inc. for Construction Management and Inspection Services

ATTACHMENTS

		<u>Pages</u>
1	Location Maps	1-5
2	APD Consultant Proposal	6-28
3	CBM Consulting Proposal	29-57
4	Nickerson Company Proposal	58-75



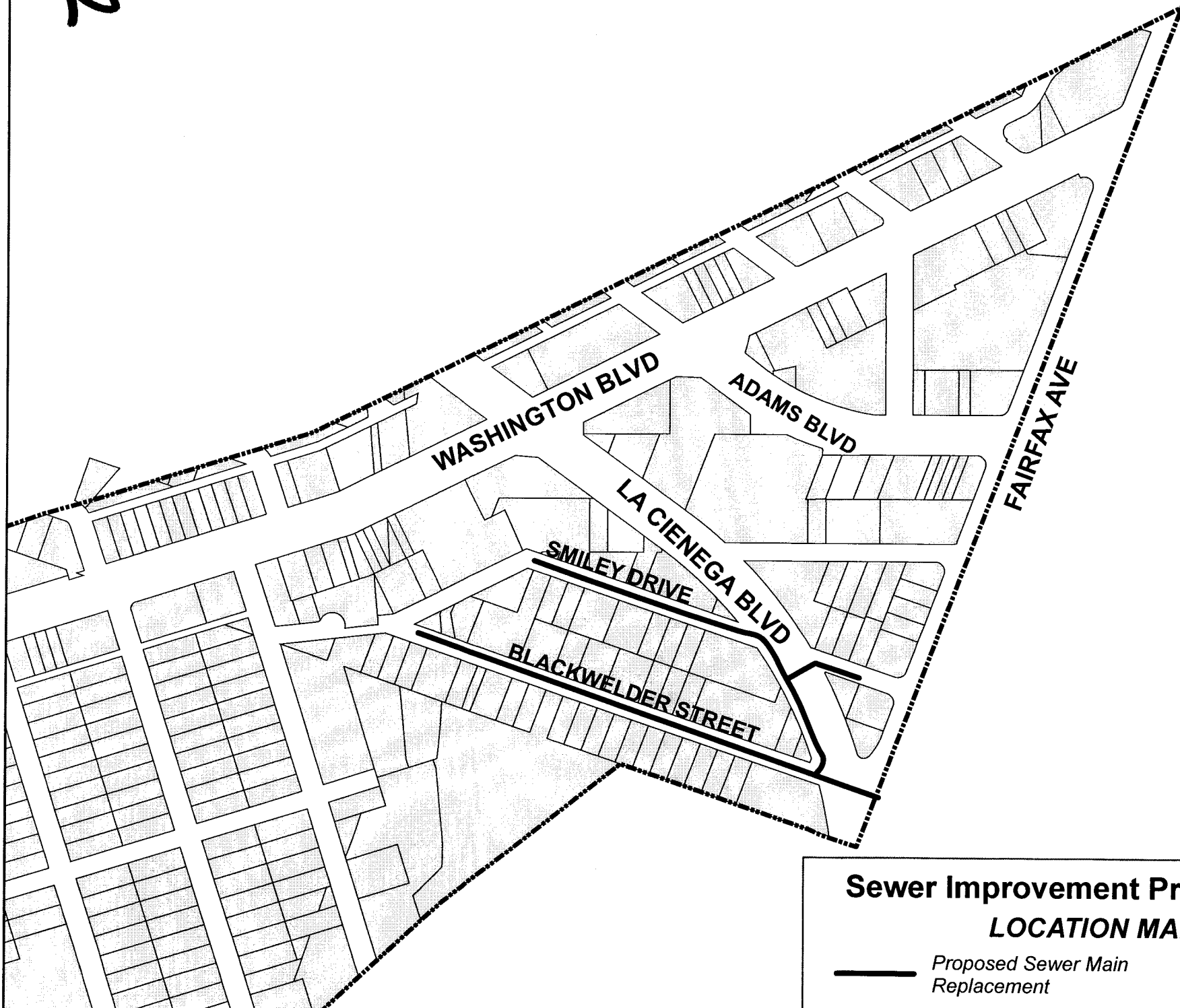
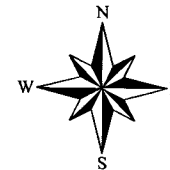
GALVIN STREET
FLAXTON STREET
WHITBURN STREET
KELMORE STREET
RANCH ROAD
EVEWARD ROAD
OVERLAND AVE
DRAKEWOOD AVE

Sewer Improvement Project P-839, 840, 841, & 842 LOCATION MAP

— Proposed Sewer Main
Replacement



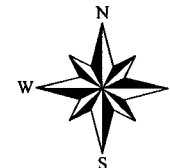
2



Sewer Improvement Project P-854 LOCATION MAP

— Proposed Sewer Main
Replacement





NORTHGATE STREET

GALVIN STREET

FLAXTON STREET

WHITBURN STREET

KELMORE STREET

RANCH ROAD

EVERARD ROAD

DRAKEWOOD AVE

CRANKS ROAD

HILL ROAD

CULVIEW STREET

LINDA WAY

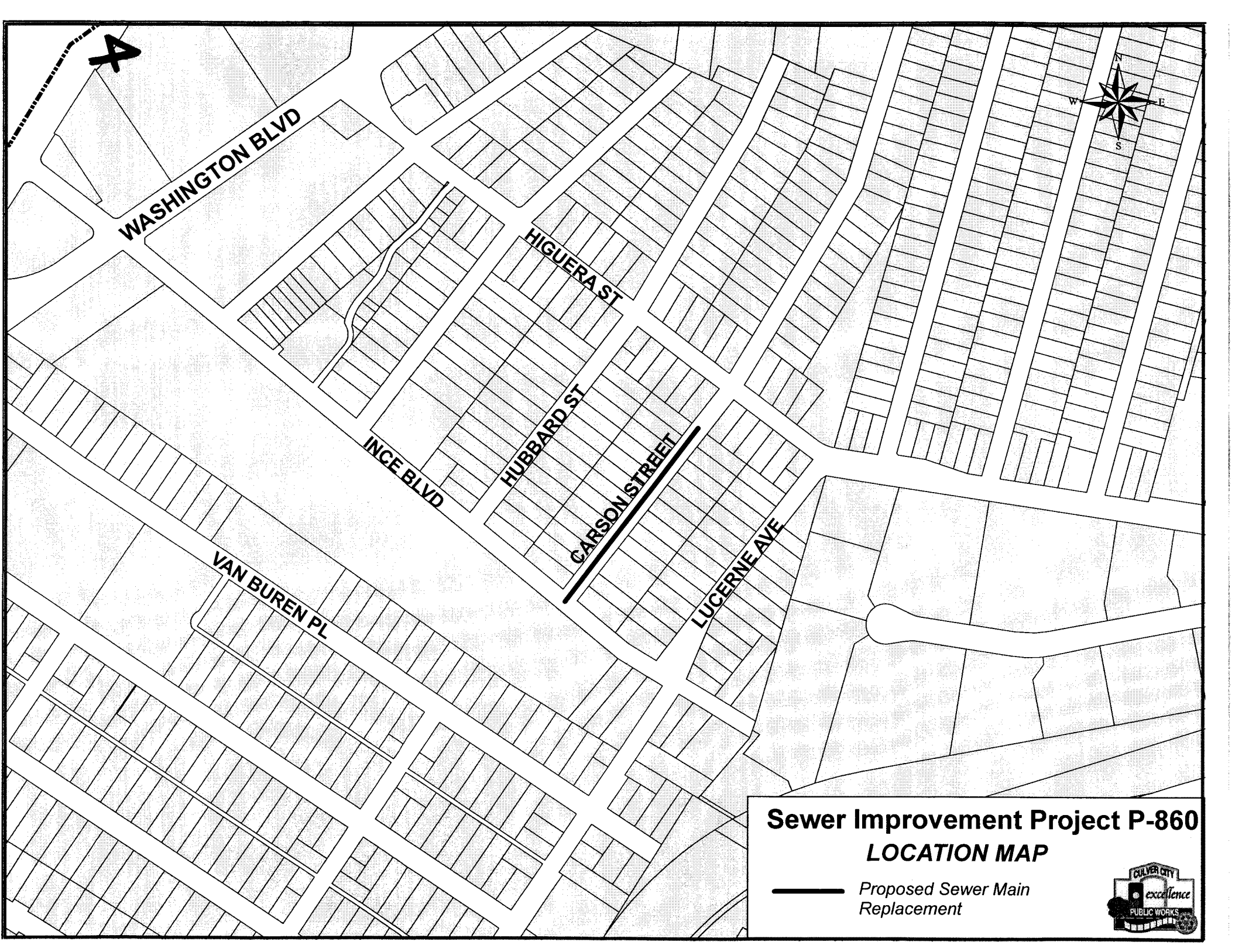
OVERLAND AVE

Sewer Improvement Project P-855 LOCATION MAP

— Proposed Sewer Main Replacement



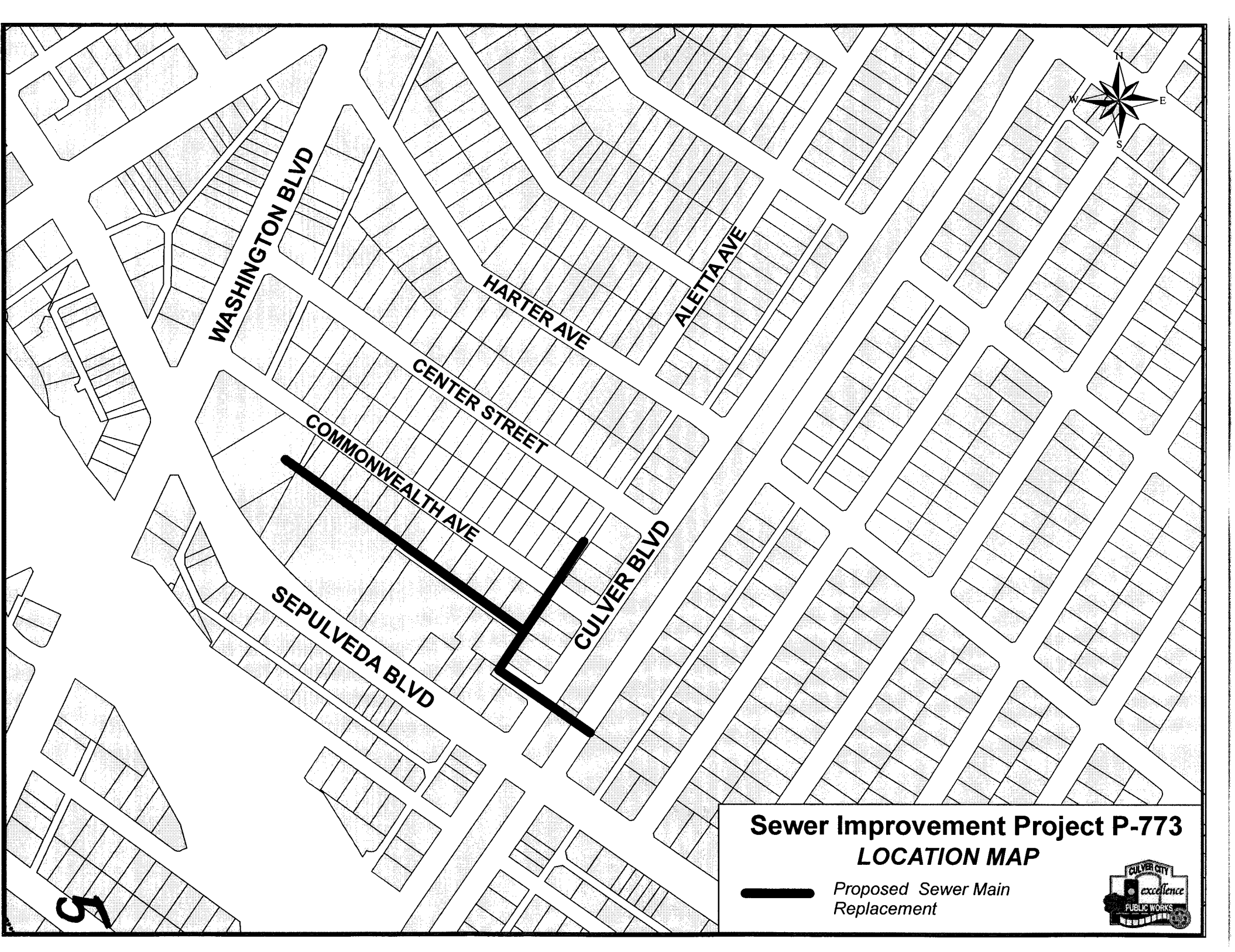
3



Sewer Improvement Project P-860
LOCATION MAP

 Proposed Sewer Main Replacement





WASHINGTON BLVD

HARTER AVE

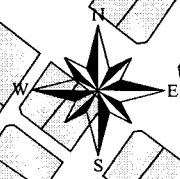
ALETTA AVE

CENTER STREET

COMMONWEALTH AVE

SEPULVEDA BLVD

CULVER BLVD



5

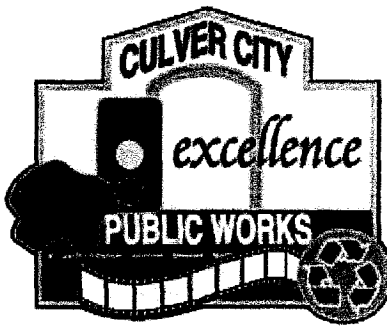
Sewer Improvement Project P-773 LOCATION MAP

 Proposed Sewer Main Replacement



APD CONSULTANTS, INC.

Proposal for Construction Management and Inspection Services



For Sewer Replacement Project

APD CONSULTANTS, INC.

March 14, 2007

P-07036

Mr. Lee Torres
Project Manager
City of Culver City
Engineering Division; 2nd Floor
9770 Culver Boulevard
Culver City, CA 90232

Subject: Proposal for Construction Management and Inspection Services for Sewer Replacement Project

Dear Mr. Torres:

APD Consultants, Inc. (APD) is very pleased to have the opportunity to submit a proposal for the Construction Management and Inspection Services for the Sewer Replacement Project.

APD Consultants, Inc. (APD) is a civil engineering firm providing consulting and construction management services for public and private sector clients in Southern California. APD is a certified Small Business Enterprise (SBE) company with a coalition of Southern California Public Agencies. APD provides extensive experience in preparation of street, sewer, water and storm drain plans, preparation of specifications and cost estimates, plan check consulting, on-call services, hydrologic and hydraulic analysis, water quality management, construction management and inspection services.

The day to day involvement of the principal in the company ensures a high level of quality assurance/quality control (QA/QC) in all products prepared by the company.

APD will protect, defend, indemnify, and hold harmless the City from any and all liability, claims, or expenses whatsoever incurred by APD in the preparation of its response to this RFP.

Should you have any questions, please do not hesitate to call me at your convenience.

Sincerely,

APD Consultants, Inc.



Robbie Mahmood, P.E.
Principal

7



**CITY OF CULVER CITY
SEWER REPLACEMENT PROJECTS
CONSTRUCTION MANAGEMENT &
INSPECTION SERVICES
FEE SUMMARY**

**APD
CONSULTANTS, INC.**

TASK DESCRIPTION	CONSTRUCTION MANAGER	CONSTRUCTION INSPECTOR	ADMIN	TOTAL HOURS	AMOUNT
	\$125	\$85	\$55		
CONSTRUCTION MANAGEMENT & INSPECTION SERVICES					
1. Construction Management (Office)	148		180	328	\$28,400.00
2. Construction Management (Field)	230			230	\$28,750.00
3. Inspection Services (See Note 3 below)		1512		1512	\$128,520.00
TOTAL	378	1512	180	2070	\$185,670.00

Note: 1) Cost of printing, mileage, telephone, mailing and other expenses are incidental to the main items of the Engineering Services included in the hourly rate and no additional charges will be requested by APD Consultants, Inc.

2) The hourly rates for weekends and/or night work will be the same rates as the regular rates, and no additional charges will be requested by APD

3) As requested by the City for the purposes of this proposal, the construction duration was assumed to be 180 calendar days, which is 126 business days (126 days x 8 hrs/day = 1008 hrs) taken into consideration Memorial day, 4th of July, and Labor day holidays. Additional 504 hrs were estimated for another inspector performing inspection work, if needed, should the construction schedule requires that the contractor conduct any construction work in two different places simultaneously. All estimates of billable hours were based upon this duration.

TABLE OF CONTENTS

Section 1	Scope of Services Project Description Scope of Services
Section 2	Company / Team Qualifications Organizational Chart Team Members Bios Relevant Experience Project Team Resumes
Section 3	Schedule of Current and Future APD Projects
Section 4	Sample Field Report

SECTION 1

Project Description

The work consists of removing the existing 8", 10", and 12" VCP and constructing a new 8", 10" and 12" PVC sewer main along the following streets,

1. Flaxton Street from Overland Avenue to Youngworth Road (8"; 1660 lf)
2. Whitburn Street from Overland Avenue to Drakewood Avenue (8"; 810 lf)
3. Drakewood Avenue from Ranch Road to Flaxton Street (8"; 775 lf)
4. Eveward Road from Bernardo Road to Ranch Road (8"; 315 lf)
5. Blackwelder Street from La Cienega Blvd to Ballona Creek, (8"; 1040 lf)
6. Smiley Drive from Fairfax Avenue to Ballona Creek (10"860 lf)
7. Northgate Street from Overland Avenue to Drakewood Ave, (8"; 990 lf)
8. Cranks Road from Hill Road North to Cul-de-sac, (8"; 915 lf)
9. Commonwealth Alley from southerly end to northerly end and to include a section between Culver Blvd. to end of Arvee Street (8" & 12"; 655 lf & 660 lf)
10. Carson Street from Ince Blvd. to Higuera Street (8"; 660 lf)

The scope of work also includes, but is not limited to, the construction of house laterals, manholes, roadway pavement, sidewalk, curb and gutter, and replacement of traffic pavement markings as specified in the attached plans and specifications.

The construction of sewer improvement project is anticipated to begin May 1, 2007 with construction duration of 180 calendar days.

Project Observations

APD has reviewed the Plans and Specifications of the project and observed the followings:

- Water and Gas laterals generally not shown on the plans. Inspector and contractor will need copy of utility companies sewer, water and gas atlas. Dig Alert (USA) required to mark the field.
- Traffic Control – It appears the contractor will be required to obtain a public works encroachment permit prior to beginning work in the public right-of-way. It would be desirable to refer to this item in the Specifications and include estimated permit fees and draft permit requirements in the Appendix. Permit requirements could address items such as:
 - 1) Temporary road closures if allowed during construction operations.
 - 2) Detour requirements
 - 3) If temporary storage or equipments and material in streets are allowed or not.
 - 4) Lane closure – Specifying if and how many traffic lanes must remain open during construction at all times.
 - 5) Address who pays for traffic signal loop detector replacements.

Scope of Services

APD, in addition to all the items mentioned below, will:

- Prepare Public Notice Forms for distribution to inform local residents of the project and its duration.
- Perform video and picture survey prior to job construction.
- Maintain project construction records in a 3-ring binder report and submit to the City at the end of the project.
- APD inspector will also conduct labor compliance interviews of contractor and sub-contractors workers under the Construction Manager's supervision
- Respond to residents/publics inquiries and complaints
- Prepare Weekly Construction Manager's Report
- Recommend final acceptance of the project

APD Consultants, Inc. (APD) will be an extension to the City Staff and act as the City's representative and will be accountable and responsible for successful completion of the project. As requested by the City for the purposes of this proposal, the construction duration was assumed to be 180 calendar days, which is 126 business days taken into consideration Memorial day, 4th of July, and Labor day holidays. All estimates of billable hours were based upon this duration.

A. CONSTRUCTION PHASE

- 1) Conduct Pre-construction meeting with the General Contractor (GC). An agenda shall be prepared by APD as approved by the City's Project Manager.
- 2) Conduct weekly coordination meetings with the GC.
- 3) Conduct daily site visits, observations, and supervise general inspection of construction activity. APD's Construction Manager will have a complete set of Plans, Specifications, Greenbook, and APWA Standard Plans at all times.
- 4) APD's inspector will perform field inspections and coordinate geotechnical testing during construction to insure compliance with plans, specifications, and applicable standards. APD's inspector will have a complete set of construction plans, Specifications, Greenbook, and APWA Standard Plans at all times.
- 5) APD's inspector will coordinate testing requirements, review and approve material and design mix submittals prior to placement. All tickets must be retained and submitted to City's Project Manager by end of each work week.

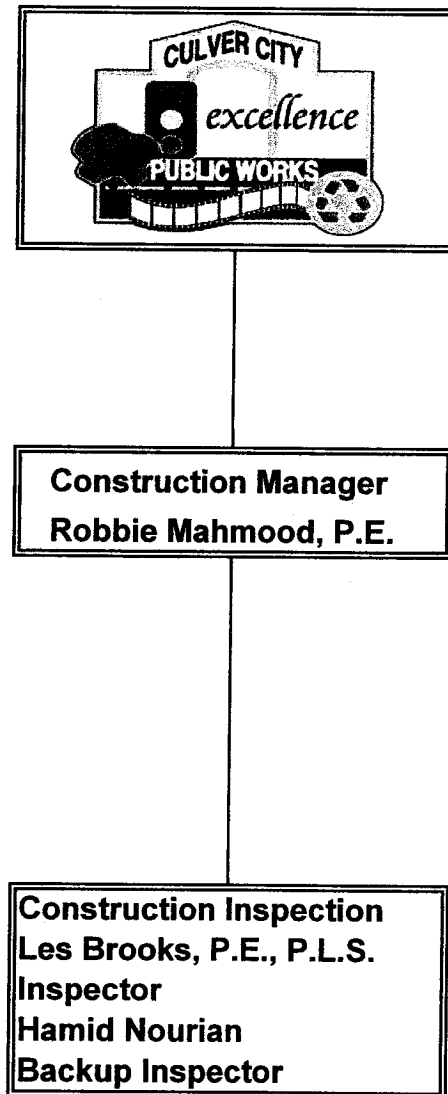
- 6) APD's inspector will conduct weekly progress meetings with GC and the City's Project Manager, and resolve any job site difficulties in the City's best interest. Prepare and distribute meeting minutes the following business day.
- 7) Prepare Daily Construction Reports (DCR's). These DCR's will include a detailed description of the day-to-day operations, including on-site labor, personnel, weather, materials and equipment and include times of arrival and departure. Please see attached a sample APD Daily Construction Report in this proposal.
- 8) APD's inspector will document work progress on a regular basis by means of digital photographs properly labeled and dated.
- 9) Review the GC's construction schedule (weekly) with respect to the progress and any potential delays.
- 10) Coordinate with other City Departments as necessary.
- 11) Process and track Request for Information (RFI's)
- 12) Administer and negotiate changes to the work.
- 13) Maintain a log of RFI's and change order requests.
- 14) Coordinate the flow of information between all parties.
- 15) Review and provide recommendations for GC payments.
- 16) Provide weekly status reports and submit DCR's and construction photos at the end of each week to the City's Project Manager.
- 17) Provide coordination necessary to assure that ADA requirements are satisfied during construction progress and upon completion.
- 18) Coordinate invoicing and payment process with the City Project manager.
- 19) Ensure utility coordination throughout the construction phase of the project is performed by the GC.
- 20) Administer the lien waiver process and review all conditional and unconditional releases for consistency with all payments made.
- 21) Work with adjacent property owners' and residents' to resolve their concerns, review potential accessibility issues, and ensure installation of traffic control devices per WATCH manual and as directed by City officials.

B. CONSTRUCTION CLOSE OUT PHASE

- 1) Administer final inspections.
- 2) Coordinate final walk through inspection, prepare final punch list items, and ensure all corrections items are completed by final close-out letter.
- 3) Verify removal, recordation notes, and replacement of all survey monumentation.
- 4) Resolve any outstanding payment issues and stop payment orders, if any.
- 5) Make recommendation for the release of retention.
- 6) Coordination any close-out activities required by the City.
- 7) Review and make recommendations as to adequacy of as-built plans.

SECTION 2

Organizational Chart



Team Members Bios

Robbie Mahmood, P.E. - Construction Manager

Mr. Mahmood will serve as the Construction Manager and primary contact on this project. Mr. Mahmood has a Master of Science Degree in Civil Engineering from the University of Toledo, Ohio and over 20 years experience in managing public works projects in Southern California. Mr. Mahmood is a Professional Licensed Civil Engineer in California # 60421, and has a Project Management Certificate from the University of California at Irvine (UCI). He has strong construction management skills and can prove to be invaluable to any project. Mr. Mahmood is an active member in the APWA Engineering and Technology Committee, Southern California Chapter, and in the ASCE Orange County Chapter. Mr. Mahmood is a hands on manager leading projects in the public work sector as well as the private sector in Southern California.

Les Brooks, P.E., P.L.S. - Inspector

Mr. Brooks has over 40 years of experience in the civil engineering and construction inspection fields. As an employee of the California Department of Transportation (Caltrans) for 38 years, Mr. Brooks was involved in the design and construction of numerous State Highway improvement projects in Southern California. He is also familiar with labor compliance requirements, and will conduct labor compliance interviews of contractor and sub-contractors workers under the Construction Manager's supervision. Mr. Brooks is very familiar with the construction of sewer projects, as well as current design and construction practices. He has experience in construction management, contract administration, project management, project development, project design, and coordination with public agencies/utilities including railroads, cities, counties, local transportation authorities, federal highways, the Corp of Engineers, beaches and parks, and flood control.

Hamid Nourian - Inspector

Mr. Nourian will be a backup inspector for Mr. Brooks, when and if needed, due to construction schedule and activities of the contractor on site. Mr. Hamid Nourian has over 25 years of experience and has a B.S. in Civil Engineering. Mr. Nourian's experience includes: Construction inspection of sewer and water projects in addition to laboratory testing of soils, concrete, and asphalt. Mr. Nourian's project experience includes inspection of the new Huntington Beach Lifeguard Headquarters and other beach facilities, new park facilities for the City of Riverside and various reservoirs for the City of Huntington Beach. He has attended numerous construction inspection-training courses of concrete and rubberized asphalt pavement.

Relevant Experience

**1- Cerritos/ Florence Sewer Improvement
City of Cypress**

As part of their Capital Improvement Projects Program, The City of Cypress modified the sewer system along Florence Street and at the intersection of Cerritos Avenue with Florence Street. The project was to prevent the odor and the sewer backflow by revising the sewer line slopes, eliminating the sharp turns, and decreasing the number of confluences. Connection of the sewer line to the existing OCSD manhole was required.

Construction Manager: Robbie Mahmood, P.E. - *Design*
Client Contact: Kamran Dadbeh, P.E. - Assistant City Engineer
City of Cypress, (714) 229 - 6756

**2- 10th Street/ Gardenia Ave Trunk Sewer Relief Project
Long Beach Water Department**

The existing sewer system has structural deficiencies including moderate to severe cracks, infiltration, and existing manholes to be rehabilitated. The sewer lines were placed with the same size, 10" VCP, as no flow capacity deficiencies were observed in the Sewer Master Plan update.

Project Manager: Robbie Mahmood, P.E.
Client Contact: Bob Swain, P.E. - Division Engineer
Long Beach Water Department, (562) 570 - 2337

✓ **3- Jeronimo/Rollingwood Road Intersection Improvements
City of Lake Forest**

The scope of services provided included field surveying, street widening design, right-of-way services, minor geotechnical engineering, and construction management & inspection. The project objective was to provide a left turn pocket for southeasterly bound traffic on Jeronimo Road to northeasterly bound traffic on Rollingwood Road. This "T" intersection is located near the Serrano intermediate school on the southwesterly side of Jeronimo Road. Left turning vehicles into the residential area served by Rollingwood Road are delayed and obstructed pedestrian and auto traffic at the school. The proposed project did remedy this situation.

Construction Manager: Robbie Mahmood, P.E.
Client Contact: Gene Foster, Civil Engineering Associate
City of Lake Forest, (949) 461-3490

✓ **4- Target Store at Grand Ave & Golden Springs Drive, City of Diamond Bar**

Site grading, construction of sewer lines, storm drains, utilities, parking lot, streets, and lighting for Target store.

Duties included Construction Management and inspection of approx. 800 lf of 8-inch VCP sewer line, approx. 1500 LF of 24", 30" & 36" storm drain pipes, drainage inlets & manholes, general site grading, placing asphalt concrete pavement, curbs & street lighting for parking lots and streets, review contractor's installation of NPDES Best Management practices. Prepare daily reports of work performed and men & equipment used, attend weekly status meetings and prepare Minutes of Meeting..

Construction Manager/Inspection: Robbie Mahmood, P.E./Leslie Brooks, P.E. ✓

Year of Completion: 2006

Client Contact: Fred Alamolhoda, Senior Engineer

City of Diamond Bar (909) 374-2840

5- 12-inch VCP Sewer Main in Kellogg Drive, Yorba Linda Water District

Construction inspection for 3600 LF of inch VCP sewer main, two siphons, manholes, excavation & backfill of 3600' long trench approximately 5-ft to 15-ft deep. Supervised placing crushed rock for pipe bedding, placing 12-inch thick aggregate base material & 5-inch thick asphalt concrete trench resurfacing, in addition to re-striping the roadway, and coordinating geotechnical materials sampling. Duties also included testing, recommending contract change orders, reviewing contractor's request for progress pay, attending bi-weekly meetings & preparing meeting minutes, preparing daily reports for work performed and men & equipment used, monitoring traffic control and trying to work with the public to maintain good public relations for the project.

Construction Manager/Inspector: Leslie Brooks, P.E.

Year of Completion: 2005

Client Contact: Scott Moulton

Yorba Linda Water District (714) 777-3018

6- Pioneer Road Park, City of Tustin

Construction Management and Inspection for 5-acre Park. Work included general site grading, installation of approx. 600 LF of 6-inch SDR 35 sewer main, approx. 1000 LF of 12-inch PVC storm drain pipe, area drains, irrigation & landscaping, on-site lighting, parking lot construction, pathway & sidewalk construction, restroom building, picnic building, water play area, basketball court, and children play areas. Responsibilities included preparation of contract change orders, reviewed and approved contractors material submittals, certified weekly payrolls & request for progress pay, coordinated work with utility companies, attended weekly progress meetings and prepared meeting minutes, monitored traffic control & contractors NPDES Best Management practices, prepared daily report for work performed and men & and equipment used, verified compliance with plans & specifications and interfaced with local residents to maintain good public relations for the project.

Construction Manager/Inspector: Leslie Brooks, P.E.
Year of Completion: 2005
Client Contact: Patrick Sanchez, Director of Parks and Recreation
City of Tustin, (714) 573-3331

**7- Flow Control Valve and Concrete Vault Improvement (LB-4 & LB-8)
Long Beach Water Department**

Responsibilities included construction management and inspection services of demolishing existing concrete vaults and replacing them with new reinforced concrete vaults (20'x14'), upgrading existing piping and valves on MWD Turnouts, and upgrading the existing telemetry and electrical equipment.

Construction Manager: Robbie Mahmood, P.E.
Year of Completion: 2003
Client Contact: Bob Swain, P.E. – Division Engineer
Long Beach water Department. (562) 570 – 2337

**8- Alley Water Conversion Projects
Long Beach Water Department**

LBWD has initiated a program in replacing all the old asbestos (ACP) potable water lines in the City's alleys with an AWWA approved PVC lines. The scope of work included construction management and inspection services and collecting data and inventory of the existing water main connections for each house, removal of old water meters, abandoning existing water lines in the alleys, and connecting on-site new water systems.

Construction Manager: Robbie Mahmood, P.E.
Year of Completion: 2006
Client Contact: Isaac Pai, P.E. – Director of Engineering, Chief Engineer
Long Beach Water Department. (562) 570 – 2336

**9- Kaiser Permanente Health Center
Diamond Bar, CA**

APD Consultants, Inc. (APD) has been retained by the Architect (WBSA) to prepare precise grading and drainage, sewer, water, erosion control and area drain plans, in addition to preparation of hydrology and hydraulic analysis, SWPPP, and SUSMP reports. The scope included the design of sewer lines, domestic water lines and fire sprinkler system. The development in this six acre site include medical office buildings and parking lots located south of Copley Drive and east of Bridge Gate Drive in the City of Diamond Bar.

Project Manager: Robbie Mahmood, P.E.,
Year of Completion: In-Progress
Client Contact: Michael Swain, AIA, Principal
WBSA Architects, (949) 552-2061

APD Consultants, Inc.

**Robbie Mahmood, P.E.
Construction Manager**

Education & Registrations

Professional Licensed Civil Engineer, 1999- California - #60421
University of Toledo, Ohio, M.S. – Civil Engineering, 1987
University of Toledo, Ohio, B.S. – Civil Engineering, 1984
UCI, Irvine CA -- Project Management Certificate, 2005

Professional Experience

Mr. Mahmood has more than 20 years of experience in civil engineering design, and construction management. His expertise includes management and design of sewer, water, roadways, drainage, grading, and construction management.

Project Experience

Cerritos/ Florence Sewer Improvement, City of Cypress

As part of their Capital Improvement Projects Program, The City of Cypress modified the sewer system along Florence Street and at the intersection of Cerritos Avenue with Florence Street. The project was to prevent the odor and the sewer backflow by revising the sewer line slopes, eliminating the sharp turns, and decreasing the number of confluences. Connection of the sewer line to the existing OCSD manhole was required.

10th Street/ Gardenia Ave Trunk Sewer Relief Project, Long Beach Water Department

The existing sewer system has structural deficiencies including moderate to severe cracks, infiltration, and existing manholes to be rehabilitated. The sewer lines were placed with the same size, 10" VCP, as no flow capacity deficiencies were observed in the Sewer Master Plan update.

Jeronimo/Rollingwood Road Intersection Improvements, City of Lake Forest

The scope of services provided included field surveying, street widening design, right-of-way services, minor geotechnical engineering, and construction management & inspection. The project objective was to provide a left turn pocket for southeasterly bound traffic on Jeronimo Road to northeasterly bound traffic on Rollingwood Road. This "T" intersection is located near the Serrano intermediate school on the southwesterly side of Jeronimo Road. Left turning vehicles into the residential area served by Rollingwood Road are delayed and obstructed pedestrian and auto traffic at the school. The proposed project did remedy this situation.

Flow Control Valve and Concrete Vault Improvement (LB-4 & LB-8), Long Beach Water Department

Responsibilities included construction management and inspection services of demolishing existing concrete vaults and replacing them with new reinforced concrete

vaults (20'x14'), upgrading existing piping and valves on MWD Turnouts, and upgrading the existing telemetry and electrical equipment.

Alley Water Conversion Projects, Long Beach Water Department

LBWD has initiated a program in replacing all the old asbestos (ACP) potable water lines in the City's alleys with an AWWA approved PVC lines. The scope of work included, in addition to construction management and inspection, collecting data and inventory of the existing water main connections for each house, removal of old water meters, abandoning existing water lines in the alleys, and connecting on-site new water systems.

Covenant Hills Force Main, Santa Margarita Water District

As part of Ladera Ranch, Covenant Hills, Master Plan Development in Orange County, a 10" Force main was required to carry the sewer flow from Horno Lift Station to a gravity sewer line along Covenant Hills Road for distance of 5200 Ft. The Project required Coordination with the developer Rancho Mission Viejo, and with Santa Margarita Water District engineers.

Kaiser Permanente Health Center, City of Diamond Bar

Project includes preparation of precise grading and drainage, sewer, water, erosion control and area drain plans, in addition to preparation of hydrology and hydraulic analysis and SUSMP report. The development in this six acre site include medical office buildings and parking lots located south of Copley Drive and east of Bridge Gate Drive in the City of Diamond Bar.

Chase Drive, Phase III Street Improvements, City of Corona

Project includes widening Chase Drive from Garrettson Avenue to Sonrisa Drive (1700 Feet). Improvements include removal and replacement of AC pavement and existing driveways, and the construction of new curbs and gutters, driveways, storm drain system, relocation of existing electrical poles and design of bike path.

Skyline Drive Street Reconstruction, County of Orange

Preparation of final plans, specifications, and estimates for 0.50 mile portion of Skyline Drive in Lemon Heights, in the Unincorporated Orange County. Improvements included the addition of 78" RCP storm drain line, AC removal and replacement, addition of curbs and gutters, hydrology and hydraulic analysis, design of catch basins, preparation of traffic control plans, and close coordination with affected utility agencies.

Carbon Canyon Road (SR142), City of Brea

Reconstruction of one mile Carbon Canyon Road through Caltrans encroachment permit process for four phases of construction with separate permits. The project includes complete new roadway construction with curb & gutter, drainage, large cut slopes, hazardous utility crossing, 18" domestic water main, and traffic signals. Responsibility includes coordination and processing with the army corps of engineers for construction within the carbon canyon Dam reservoir. The estimated construction cost is \$4 million.

APD Consultants, Inc.

Leslie Brooks, P.E., P.L.S Inspector

Mr. Brooks has over 40 yrs of experience in civil and transportation engineering fields. As an employee of California Department of Transportation (Caltrans) for 38 yrs, Mr. Brooks was involved in the design and construction of numerous State Highway improvement projects in Southern California. He is very familiar Caltrans Standards, Procedures, and Requirements, as well as current design and construction practices. He has experience in construction management, contract administration, project management, project development, project design, and coordination with public agencies, including, cities, counties, local transportation authorities, federal highways, corps of engineers, forest services, fish & game, beaches & parks, flood control and utilities such as telephone, electric, cable, gas, oil, water, sewer, pipelines, etc.

Registration

- Professional Land Surveyor, State of California, 1983, No. L5255
- Professional Engineer, Civil, State of California, 1987, No. C041830

Relevant Experience

Mr. Brooks is an experienced civil engineer who recently retired from the California Department of Transportation as a senior transportation engineer with 38 yrs of State service involved in the planning, management, design, and construction of improvement projects on state highways throughout Orange, Los Angeles, and Ventura Counties.

Target Store at Grand Ave & Golden Springs Drive, City of Diamond Bar

Site grading, construction of sewer lines, storm drains, utilities, parking lot, streets, and lighting for Target store.

Duties: Construction inspector for approx. 800 lf of 8-inch VCP sewer line, approx. 1500 LF of 24", 30" & 36" storm drain pipes, drainage inlets & manholes, general site grading, placing asphalt concrete pavement, curbs & street lighting for parking lots and streets, review contractor's installation of NPDES Best Management practices. Prepare daily reports of work performed and men & equipment used, attend weekly status meetings and prepare Minutes of Meeting.

12-inch VCP Sewer Main in Kellogg Drive, Yorba Linda Water District

Construction inspection for 3600 LF of inch VCP sewer main, two siphons, manholes, excavation & backfill of 3600' long trench approximately 5-ft to 15-ft deep. Supervised placing crushed rock for pipe bedding, placing 12-inch thick aggregate base material & 5-inch thick asphalt concrete trench resurfacing, in addition to re-striping the roadway, and coordinating geotechnical materials sampling. Duties also included testing, recommending contract change orders, reviewing contractor's request for progress pay,

attending bi-weekly meetings & preparing meeting minutes, preparing daily reports for work performed and men & equipment used, monitoring traffic control and trying to work with the public to maintain good public relations for the project.

Pioneer Road Park, City of Tustin

Construction Manager and Construction Inspector for 5-acre park. Work included general site grading, installation of approx. 600 LF of 6-inch SDR 35 sewer main, approx 1000 LF of 12-inch PVC storm drain pipe, area drains, irrigation & landscaping, site lighting, parking lot construction, pathway & sidewalk construction, restroom building, picnic building, water play area, basket ball court, and children play areas.

Prepared contract change orders, reviewed and approved contractors material submittals, certified weekly payrolls & request for progress pay, coordinated work with utility companies, attended weekly progress meetings and prepared meeting minutes, monitored traffic control & contractors NPDES Best Management practices, prepared daily report for work performed and men & and equipment used, verified compliance with plans & specifications and interfaced with local residents to maintain good public relations for the project.

Water Main Granada St., City of Ontario

Project included installation of new 12-inch ductile pipe water main, services, fire hydrants, and place asphalt concrete overlay existing asphalt concrete pavement.

Duties: Construction inspection for installing 6000 LF of 12-inch ductile iron pipe water main, installing new valves, fire hydrants & laterals and 175 new 1-inch copper services, backfilling 6000 LF 5-foot deep trench & placing 4-inch thick asphalt concrete trench resurfacing, jacking & boring 120 LF 18-inch steel casing under State highway, cold planning 4000 SY of existing asphalt concrete pavement, and placing 4000 tons of 2-inch thick asphalt concrete overlay, coordinating geotechnical sampling & testing, review & approval of contractors material submittals, verifying materials used comply with plans & specifications, recommend contract change.

Duties also included review contractor's certified weekly payroll reports and requests for progress payment, attend meetings, prepare weekly working day statement, prepare daily report of work performed and men and equipment used, observe disinfection, dewatering, & pressure testing of completed pipe sections, monitor traffic control & public notification of shutdowns, and work to establish and maintain good public relations for the project.

APD Consultants, Inc.

Hamid Nourian Inspector

Hamid Nourian is a senior inspector with over 28 yrs of experience in field inspection of sewer and water projects, and in laboratory testing of soils, concrete, and asphalt. Mr. Nourian's experience also includes performing inspection services for steel reinforcement, welding, and foundation (shallow and deep). Mr. Hamid maintains the quality assurance program for inspection and testing service. He is proficient in the use of equipment and methods that are required by ASTM, AASHTO, ACI, and Caltrans.

Professional Expertise

- Field inspector for street repair and sewer line replacement for several miles of sewer in Huntington Beach, California. Performed inspection and testing of asphalt, base material and subgrade. Communicated test results with the City and contractor on a daily basis.
- Performed inspection and testing for new beach construction in Huntington Beach, California Project included new construction of lifeguard station, restrooms, concessions, bike paths, new roadway and parking. Performed all necessary laboratory testing of concrete and soil. Produced reports on a daily basis.
- Performed inspection and testing for street improvements in Montebello, California. Project included new subgrade and asphalt paving for several miles of roadway. Performed compaction testing of subgrade and base prior to the laying of asphalt. Tested placement of the asphalt.
- Logged and sampled boreholes for preliminary geotechnical investigation for several projects for governmental and municipal agencies including, the Lakewood sheriff station, the 210 Freeway for the MTA/ Caltrans, and several sites for Alhambra and Covina school districts.

Education

B.S. in Civil Engineering, University of Lamar, Beaumont, Texas, 1976

Professional Certifications

- ACI Concrete Field Testing Technician – Grade I
- ACI Concrete laboratory Testing Technician – Grade I
- ACIA Certificate for Rubberized Asphalt Plant Inspection
- CALTRANS Certificate of Proficiency for Testing & Inspection

SECTION 3

Construction Management & Inspection Projects

As of the date of this proposal, APD does not have any current or outstanding Construction Management and Inspection Services projects under contract.

APD inspectors are available for performing inspection duties immediately should the City elect to award the project to APD.



FIELD REPORT

Daily Construction Report

Project BID-1345 SEWER REPLACEMENT Project Number APD-JOB# 07036
Owner/Developer: CULVER CITY Report Number P-860, SECT D
Contractors: PULTE COSTRUCTION Date JUNE 6, 2007
GREENS M.H.
BILLS SWEEPING

M	T	W	T	F	S	S
		X				

WEATHER			TEMP				WIND			HUMIDITY	
Clear X	Cloudy	Rainy	50	60	70 X	85+	Mild X	Gusty	High	Mild X	Severe

MANPOWER			EQUIPMENT	
Contractor	Non-Manual	Manual		
SEE PAGE 3 OF 3				

Construction Activity

CONTRACTORS HOURS	7:00-5:00
FIELD INSPECTORS HOURS	7:00-5:00
GEOTECHNICAL TESTING BY PSI	8:00-4:00
ATTENDED WEEKLY PROGRESS MEETING AT CITY HALL	8:00-9:00
PULTE CONST. CLOSED CARSON STREET TO THROUGH TRAFFIC BETWEEN INCE ST. AND HIGUERA ST. FOR SEWER CONSTRUCTION STA 1+00 TO 4+30 PER WATCH MANUAL	7:00-5:00

Prepared By: LES BROOKS
APD CONSULTANTS, INC.
CULVER CITY
LEE TORRES, ASSOC ENG
310-253-5623

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FIELD REPORT (Cont.)

DATE: _____ JUNE 6, 2007 _____

-
- PULTE COSTRUCTION INSTALLED TEMPORARY 4-INCH SEWER BYPASS ALONG NORTH CURB OF CARSON ST. STA 1+00 TO 7+10 AND INSTALLED TEMP LIFT STATIONS AT 7+10 AND EXSITING SEWER LATERALS TO RESIDENCES 7:00-9:00
-
- PULTE CONSTRUCTION REMOVED EXISTING AC PAVING, EXCAVATED, REMOVED EXSITING SEWER PIPE, LAYED NEW 8-INCH PVC SDR-35 SEWER MAIN& WYES, BACKFILLED & REPLACED TEMPORARY AC TRENCH RESURFACING FROM STA 1+00 AND 4+30 9:00-5:00
-
- REMOVED EXSITING SEWER MH AT STA 4+05 AND INSTALLED TEMP STEEL TRENCH PLATES 1:00-4:00PM
-
- GREEN'S MH CONSTRUCTED PCC BASE FOR NEW SEWER MH AT STA 4+05 3:00-4:00PM
-
- CONCUR CO SAWCUT FOR TRENCH 4+06 TO 7+05
BILLS SWEEPING ON PROJECT 1:00-5:00PM
-
- CONTRACTOR BROKE AND REPAIRED EXSITING WATER SERVICES STA 2+50 10:00AM +/-
-
-
-
-

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310-253-5623

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FIELD REPORT (Cont.)

DATE: _____ JUNE 6, 2007 _____

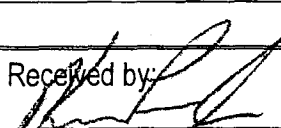
CONTRACTOR	MEN/ EQUIP	HOURS	REMARKS
PULTE CONSTRUCTION	FOREMAN & P.U.	10	BRIAN HARRIS
	2 CAT EXCAVATORS & OP	10 EACH	
	960 CATLOADERS & OP	10	
	2 JD 400 BACKHOES & OP		
	3 SEMI DUMPTR & DRIVER	8 EACH	RENTAL
	250 M GALLONS WATER TR & DRIVER	10	RENTAL
	3 PIPE LAYERS	10 EACH	
	2 LABORERS	10 EACH	
GREENS MH	FOREMAN & P.U.	4	SAM GREEN
	1 TON EQUIPMENT TRUCK	4	
	2 LABORERS	4 EACH	
BILLS SWEEPING	NOBILE SWEEPER & OP	4	RENTAL
CONCUT SAWING	FOREMAN	4	RENTAL
	1 TON EQUIPMENT TRUCK	4	
	LABORER	4	

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CULVER CITY
LEE TORRES, ASSOC ENG
310-253-5623

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SAMPLE

Project Name: Diamond Bar		Project No.: 041069-01		Date: 12/22/05		Report No.:	
Location: Grand Ave / Diamond Bar				Author: DCB		Day: (circle one) M T W <u>T</u> F S S	
Client: Brookfield Homes		Superintendent: Ken Pease		Contractor: SRS		Foreman: Rick	
Soil Engineer: BTZ		Geologist: GDS		Weather: (circle one) Sunny Overcast Rainy Other: _____			
Observation/Testing of: Retaining Wall No. 2 (circle one)							
Mass Grading		Precise Grading		Postgrading		Other: Rw. NO. 2	
Equipment Working:				Technician			
3 Loader				DCB			
1 Dozer				Hours			
2 Scraper				9.5			
1 Backhoe <u>Trackhoe</u>				Today's Estimated Yardage:			
Rubber Tire Tractor				Note: Yardage estimate based upon information by others.			
Steel Wheel Tractor				Equipment working based upon limited observation.			
2 Water Truck				Information not to be used for payment purposes.			
Summary: On site as per Client request Contractor continues placing block & Geogrid layers in general conformance with project plans & specs. Geogrid layers were placed as follows: NO. 24 APX STA 3+55 NO. 21 APX STA 2+50 to STA 2+80 NO. 27 APX STA +0 NO. 18 APX STA 2+20 to STA 2+78 STA 3+00 NO. 15 APX STA 2+00 to STA 2+50 NO. 12 APX STA 1+72 to STA 2+11 NO. 9 APX STA 1+40 to STA 2+00 NO. 6 APX STA 1+10 to STA 1+50 Where tested, a min 90% R.C. was reached.							
28 DAILY FIELD REPORT Received by:  Print: KEN PEASE LAWSON & ASSOCIATES GEOTECHNICAL CONSULTING INC.							



CBM Consulting, Inc.

Building the Future

Project Management ♦ Construction Management ♦ Civil Engineering

March 14, 2007

Lee Torres
Project Manager
City of Culver City
9770 Culver Boulevard
Culver City, CA 90232

RE: FEE PROPOSAL FOR CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR SEWER REPLACEMENT PROJECTS

Dear Mr. Torres:

CBM Consulting, Inc. is pleased to submit our qualifications to the City of Culver City for your consideration. We are committed to working seamlessly with your staff and project team to ensure the successful delivery of this project.

The CBM Consulting team, our project systems, and our entire management structure are geared to providing flexible services to agencies such as yours. We are intimately familiar with projects and the scope of services requested. Our specialty is providing services, similar to those requested in your Request for Proposals, to public agencies. We offer flexible, responsive and economically competitive services. This proposal has been prepared according to the requirements set forth in the RFP.

CBM maintains close attention of the commitments to our clients by tracking our contract budgets and schedules on a weekly basis. We maintain a six-month look-ahead by project and personnel, in order to proactively identify resource needs and availability. We assure that our key personnel will be assigned to the project for its duration and will not be removed or replaced by us without concurrence from the City of Culver City. Every member of our proposed team is available to be committed to the projects assigned to us beginning May 1, 2007.

Thank you for this opportunity to offer our services to the City of Culver City. Should you have questions during the selection process, please contact me at (310) 329-0102.

Respectfully,
CBM Consulting, Inc.

Chuck Stephan, P.E. (CA RCE C50481)
President

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FEE PROPOSAL CBM CONSULTING INC.
City of Culver City
Construction Management and Inspection Services for Sewer Replacement Projects

	Construction Manager	Construction Observation	Clerical	Reimbursable	
TASK	HOURS PER WEEK			COST	AMOUNT
CONSTRUCTION PHASE - 26 WEEKS					
Conduct pre-construction and weekly progress meetings. Address RFI's, Change Orders, and Construction Schedule.	4	4	1		\$907
Conduct daily site visit and field inspection	6	15			\$2,070
Coordinate testing, approve mix designs	2	5			\$690
Prepare Daily Construction Report		5	1		\$495
Photo documentation		3			\$264
Coordinate the flow of information between the Contractor and other City Departments	2		1		\$305
Prepare Weekly Report. Including DCR's and photos.	2		1		\$305
Review payment applications, lien waivers, and releases. Make recommendations.	1				\$125
Ensure the Contractor is coordinating with utility companies and following ADA guidelines during construction	1				\$125
Ensure that adjacent property owners are well informed and live in a safe construction zone.	2	8	1		\$1,009
Supplemental Inspection to cover multiple sites.		20			\$1,760
OTHER DIRECT COSTS					
Material, Travel, Office Supplies, Equipment				\$2,000	\$2,000

TOTAL HOURS PER WEEK:

20

60

5

RATE:

\$125

\$88

\$55

\$2,000

COST PER WEEK:

\$2,500

\$5,280

\$275

\$77

\$8,132

PHASE SUBTOTAL - COST OVER 26 WEEKS:

\$65,000

\$137,280

\$7,150

\$2,000

\$211,430

CLOSE OUT PHASE - 4 WEEKS					
Administer Final Inspections	1	10			
Prepare Punch List and ensure items are closed-out.	1	2	1		
Verify removal, recordation notes, and replacement of all survey monumentation.	1	2	1		
Resolve outstanding payment and stop payment issues.	2	1	1		
Make recommendation for release of retention	2				
Coordinate close out activities	2	1	1		
Review as-built drawings	2	1	1		\$393

TOTAL HOURS PER WEEK:

11

17

5

RATE:

\$125

\$88

\$55

\$0

COST PER WEEK:

\$1,375

\$1,496

\$275

\$3,146

PHASE SUBTOTAL - COST OVER 4 WEEKS:

\$5,500

\$5,984

\$1,100

\$0

\$12,584

TOTAL PROJECT COST:

\$224,014

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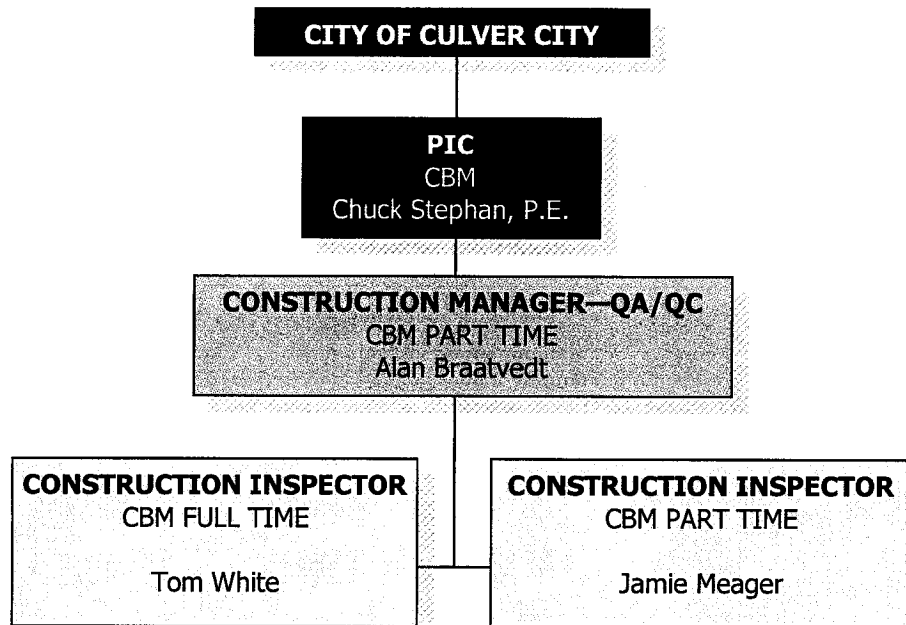
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CULVER CITY CM AND INSPECTION FOR SEWER REPLACEMENT PROJECTS

Organization Chart and Key Personnel

ORGANIZATION CHART AND KEY PERSONNEL



ALAN BRAATVEDT

TITLE: Construction Manager – QA/QC Part Time

EDUCATION: Diploma in Civil Engineering, Kwa Zulu Natal Technicon, South Africa

YEARS OF EXPERIENCE: 30

CONSTRUCTION MANAGEMENT

- ♦ **North & Central Health ADA Improvements, Long Beach, CA:** Construction Manager for ADA improvements of health clinics at two locations.
- ♦ **Admiral Kidd Park, Long Beach, CA:** Construction Manager for new soccer field and parking lot. Project valued at \$1 million.
- ♦ **Homeland Cultural Center, Long Beach, CA:** Construction Manager for \$1.5 million project to construct new cultural center addition and tenant improvement of existing facilities.
- ♦ **Houghton Skate Park, Long Beach, CA:** Construction Manager for new skate park valued at \$450,000. Project encountered asbestos pipe that required abatement, removal and proper hauling and manifest to appropriate landfill.
- ♦ **El Dorado Park Senior Center, Long Beach, CA:** Construction Manager for \$150,000 asbestos abatement and tenant improvement of the City's Senior Center facility.



CULVER CITY CM AND INSPECTION FOR SEWER REPLACEMENT PROJECTS

Organization Chart and Key Personnel

- ◆ **Cesar Chavez Amphitheater and Aquatic Park, Long Beach, CA:** Construction Manager for two separate park improvement projects, valued at approximately \$1 million. Amphitheater for outdoor performances has extensive landscaping, seating, stage, lighting, security, walkways for outdoor performances. Involved fairly extensive grading. Value engineered to save 45% on bid amount. Aquatic Park consists of interactive water fountains for children to play in, ticket booths, and restroom facilities.
- ◆ **City Health Facility Laboratory Upgrade, Long Beach, CA:** CBM will upgrade and convert the existing lab facilities, install new equipment, demo and erect new walls, construction will happen under operating conditions requiring night shifts. HVAC extraction system, negative pressure in the building.
- ◆ **Computer Bindery Room, Long Beach, CA:** CBM will install a dedicated power supply from the central City Hall and main switch board to the computer room.
- ◆ **Emergency Generator Replace and Upgrade for City Hall, Long Beach, CA:** Upgrading the entire stand-by electrical generation system. Replacing some generators.
- ◆ **Coast Highway Sidewalk Improvements, Laguna Beach, CA:** Construction Manager for high retaining walls and new sidewalks to close gap in pedestrian route. Included extensive coordination with Caltrans for structural review and encroachment permit processing.
- ◆ **Louise Street Storm Drain, Laguna Beach, CA:** Installation of an 18-inch storm drain with associated velocity rings, catch basins, fossil filters in lanes along the Caltrans right of way on Pacific Coast Highway.
- ◆ **Pavement Overlay and Slurry Seal Project, Chino Hills, CA:** Construction Manager. Responsible for contractor coordination, documentation and controls including preliminary notices, invoicing, submittals, certified payrolls, releases, etc. Also conducted and documented regular meetings and dealt with the numerous public relations issues. Closed out the project and filed the Notice of Completion.
- ◆ **Canyon Acres Storm Drain Project: Laguna Beach, CA:** This \$3 million project involves the relocation of a water main and the installation of a 60 inch storm drain line along the full length of Canyon Acres drive. The project is extremely challenging project because of it is one road with no outlet feeding 60 houses and many of the utilities in the middle of the street need to be relocated.

PROJECT MANAGEMENT

- ◆ **Point Vicente Interpretive Center, Rancho Palos Verdes, CA:** Construction Manager for a whale watching/ interpretive center located above the sea cliffs at Point Vicente on the Palos Verdes Peninsular. There was an existing center that was closed several years ago, which is being remodeled as part of the project and will be incorporated into the new center. The existing building is 2,300ft and the new building 7,500. The structure is a combination of structural steel and wood construction and includes an IT room. (Value \$5M)
- ◆ **Towne Park Redevelopment, Culver City Redevelopment Agency, CA:** CBM facilitated and project managed the redevelopment of the park into an open air pedestrian mall. Design included water features, landscaping, lighting elements, decorative paving.



Organization Chart and Key Personnel

- ◆ **Public Works Staff Assistance, La Canada Flintridge, CA:** Project Manager. Assisted City staff over a period of approximately one year for implementation of the annual overlay/slurry seal program, annual sidewalk replacement program and new bus shelter program. Performed Public Works Inspection and Public Relations to coordinate resident concerns on City projects.
- ◆ **Verdugo Boulevard Realignment & Widening, La Canada Flintridge, CA:** Project Management, design and Construction Management for re-alignment and widening of Verdugo Blvd., including relocation of 3 storm drain lines and appurtenant catch basins, maintenance holes, etc. Acted as the main interface for community outreach and public relations for the project.
- ◆ **Jessen Drive Re-alignment, La Canada Flintridge, CA:** Project Management, design and Construction Management. Coordinated and conducted public interviews with affected residents, a public meeting. Compiled construction documents, managed the bid process and construction administration and closeout of the project.
- ◆ **Angels Crest Road Median Improvements Project, La Canada Flintridge, CA:** Project Manager for proposed median improvements at abandoned truck escape pockets. Coordinated with 3 water companies to consider relocation of water utilities, coordinated with Caltrans, performed planning commission presentation and presentation to La Canada Valley Beautiful community group.
- ◆ **Off-Site Pedestrian and Traffic Improvements, Culver City Redevelopment Agency, CA:** Project Manager. Represented Agency in developing concepts, dealing with problem solving, reconstructing roads including Ince Blvd., and widening Washington Blvd. to accommodate the changing traffic patterns due to Ince parking structure, and undertaking the construction management with a large number of contractors involved. Project included new sidewalks, ADA compliant ramps, landscape median islands, new traffic signals, relocating utilities, repaving sidewalk enhancements, curb extensions, new crosswalks, traffic calming measures, and NTMP work in the neighborhood.
- ◆ **Utility Relocation and Contract Coordination, Culver City Redevelopment Agency, CA:** Project Manager. Facilitated and coordinated utility relocation projects for two high-profile projects in Downtown Culver City. Successfully negotiated participation by the utility companies without cost to the public agencies. Negotiated scheduling and coordination of the construction phase to facilitate a new auto dealership and a new multi-block commercial development as part of the City's redevelopment program.
- ◆ **Pedestrian and Crosswalk Improvements Phase II: Broadway, Wilshire, Ocean Park and Santa Monica Blvd., Santa Monica, CA:** Project Manager. Involved from inception of the project, coordinating the aerial survey for the base maps, design input, PS&E checks. The project is currently under construction and will be completed in mid 2003. The \$5 million project is basically streetscape improvements, with curb extensions and median construction with the associated drainage modifications necessary. It also includes striping, general landscaping, lighting upgrade and traffic light installation. There have been considerable negotiations with various departments within the city and dealing with the design engineers and their sub-consultants.
- ◆ **Pedestrian and Crosswalk Improvements Phase I: Ocean, Montana and Neilson, Santa Monica, CA:** Project Manager. Involved in two projects of similar nature from design input, through plan checks to the coordination and inspection of the work. Project involved streetscape improvements, median and general landscaping, lighting upgrade, traffic light installation and

CULVER CITY CM AND INSPECTION FOR SEWER REPLACEMENT PROJECTS

Organization Chart and Key Personnel

asphalt overlay. Civil and drainage modifications were made and extensive striping undertaken. Projects required considerable negotiations with various departments within the city, dealing with the design engineers and their sub-consultants and contracting with the various contractors.

- ◆ **Parking Lot 9, Santa Monica, CA:** Project Manager. Involved in design input, plan checks the coordination and inspection of the work and commercial issues. The project involved a major revamp and enlarging of an existing parking lot with civil and drainage modifications made and striping done. The project required dealings with various departments within the city, the design engineers and their sub-consultants and contracting with the contractor.
- ◆ **Willat / Hoke Business Triangle Streetscape, Culver City Redevelopment Agency, CA:** Project Manager. Involved with the concept design for the upgrade of the area and the specific streetscape design involving the installation of streetlights, landscaping, sidewalk replacement and street print of newly laid asphalt. Prepared the specifications, obtained approval from the Redevelopment Agency, managed the inspection, and received bids to do the work.

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CULVER CITY CM AND INSPECTION FOR SEWER REPLACEMENT PROJECTS

Organization Chart and Key Personnel

TOM WHITE

TITLE: Inspector – Full Time

EDUCATION: B.A., Univ. of Vermont

Certificate in Construction Management, CA State

YEARS OF EXPERIENCE: 27

Mr. White is experienced providing inspection services to various clients including public agencies on local, state and federal projects. He has performed inspection services for many local Southern California Municipal Agencies, including the County of Los Angeles. Mr. White has devoted his career to providing inspection services, construction management, and project engineering to A/E consulting firms, cities, agencies, and general contractors on public, private, and federal construction contracts. Prior duties have consisted of multiple tasks including: onsite inspections to monitor contractors' compliance with project plans, specifications, safety orders, and labor laws; project record keeping and correspondence; interfacing with designers, utility personnel, outside agency representatives, and the public; change order/claims documentation and review; progress payment generation; submittal review; directing the activities of other inspectors, surveyors, and material technicians; schedule review; fair cost estimates; and various other administrative tasks. Projects he has been associated with include:

CONSTRUCTION OBSERVATION

- ◆ **Myrtle Area Street Improvement, Hermosa Beach, CA:** Construction Observer. The project consisted of the following: the cold milling and AC overlay of the 10 streets in the Myrtle area, construction of gutters, construction of sidewalk ramps, construction of new sewer manholes on the existing sewer lines, installation of sewer lining in the existing sewer system. The project involved a substantial amount of coordination with the City's Departments, residents and the local school, which was executed very successfully resulting in minimal inconvenience to the public during the construction operation. Cost: \$427,000
- ◆ **Department of Public Works, Santa Monica, CA:** Inspector. Provided construction observation, preparation of daily reports, coordination with the public, residents and businesses which are affected by the work, reporting to the Public Works Department, measuring quantities of work completed, review of payment applications, etc.
- ◆ **Medians on Pacific Coast Highway from Rosecrans to LAX, El Segundo, CA:** Inspector. Provided construction observation, preparation of daily reports, coordination with the public, residents and businesses which are affected by the work, reporting to the Public Works Department, measuring quantities of work completed, review of payment applications, etc.
- ◆ **Pump Station 16, El Segundo, CA:** Inspector. Provided construction observation, preparation of daily reports, coordination with the public, residents and businesses which are affected by the work, reporting to the Public Works Department, measuring quantities of work completed, review of payment applications, etc.
- ◆ **FAU, CDBG, & Capital Improvement Projects:** Inspector for streets, pipelines, and utilities in Bell, Commerce, Cudahy, El Segundo, Maywood, and Santa Monica (\$200K to \$2M).

CULVER CITY CM AND INSPECTION FOR SEWER REPLACEMENT PROJECTS

Organization Chart and Key Personnel

- ◆ **Alameda Transportation Corridor Agency (ACTA):** Permit inspection on the Alameda Transportation Corridor for LA County DPW.
- ◆ **Reinforced Concrete Box Storm Drain Installations, Los Angeles, CA:** Inspector for installation of concrete box storm drains on Beverly Boulevard, Fairfax Avenue, Third Street and Hollyhills with a total value of \$33M.
- ◆ **South County Pipeline, Mission Viejo CA:** Inspector. Valued at \$22M
- ◆ **Amtrak/Metrolink Commuter Rail Station, City of Commerce, CA:** Inspector. Valued at \$1.5M
- ◆ **Rehabilitation of Rte. 204, CALTRANS, Bakersfield, CA:** Inspector for this \$2.5M roadway rehab. Project.
- ◆ **Metro, 7th & Flower, City of Los Angeles, CA:** Inspector for stage III construction valued at \$21M.
- ◆ **Phase III, Golden Mall, Burbank, CA:** Inspector. \$2.5M
- ◆ **Lazben Hotel and Convention Center, Compton, CA:** Inspector. \$35M
- ◆ **Tierra Engineering Co. of Tarzana, CA:** Inspector on public works projects for LA County Flood Control District, LA County Road Dept., and the Culver City Redevelopment Agency (\$100K to \$2M).
- ◆ **Field Engineer/Project Supervisor:** Worked on interstate highway projects, wastewater treatment plants, and commercial building construction throughout northern New England. Employers included Perini Corporation of Framingham, MA and H.E. Sargent Construction Co. of Stillwater, ME.

FDR Projects:

- 1) Colorado Blvd, between 14th St. and 20th St., in the City of Santa Monica. The project was completed in 1990, project value \$1.5m.
- 2) Atlantic Blvd in the City of Cudahy. FDR on 1 mile section of Atlantic Blvd. The project was completed in 1998, project value \$2.5m.
- 3) Ferguson Ave. in the City of Commerce. FDR on 0.5 mile section of Ferguson Ave. The project was completed in 1995, project value \$0.7m.
- 4) Elizabeth St. in the City of Cudahy. FDR on 0.5 mile section of Elizabeth St. The project was completed in 1985, project value \$0.5m.
- 5) Catalina Ave. in the City of Newport Beach. FDR on 0.5 mile section of Catalina Ave. The project was completed in 2001, project value \$1.5m.



Organization Chart and Key Personnel

JAMIE MEAGER

TITLE: Construction Inspector – Part Time

TRAINING: APWA Introduction to Construction Inspection 3 day workshop.

YEARS OF EXPERIENCE: 2

CONSTRUCTION OBSERVATION

- ◆ **Long Beach Plymouth and Elm Park:** Construction Observer. CBM provided construction management and observation for construction of a new park and community gardens at Plymouth & Elm Streets in the City of Long Beach. The park consists of a playground area with rubberized surface and playground equipment, pathways, picnic facilities and a landscaped park. The community gardens provide individual serviced plots for use by the local community.
- ◆ **Gundry Reservoir: Signal Hill, CA:** Project management, construction management, and construction observation for the renovation of the Gundry Reservoir and Sand Basin in the City of Signal Hill. This project involves recoating the interior of the 5 million gallon potable drinking water reservoir and sand basin with an NSF standard 61 coating. The inlet water pipe distribution system is being redesigned and installed. Also a new 34,000 square foot steel roof is being constructed.
- ◆ **Long Beach City Hall Generator Upgrade :** Construction Observer. Upgrading the entire stand-by electrical generation system. Replacing some generators.
- ◆ **West Hollywood Parking Projects: Orangecroft:** Construction Observer. Prepare plans, specifications, and estimate for construction of a public parking lot in the City of West Hollywood, including permeable asphalt pavement, sound walls, gated entrance, and striping.
- ◆ **20th and Walnut Storm Drain Pollution Trap Improvement Project, Long Beach, CA:** Construction observation and survey control for the installation of a CDS Technologies, Inc. pollution trap and appurtenant components and improvements at the intersection of 20th Street and Walnut Avenue.
- ◆ **Spring Street Revitalization Corridor, Signal Hill, CA:** CM inspection. The project consists of widening, a full removal and reconstruction of the roadway, lowering the grade crest, parkway improvements, intersection improvements, traffic signal upgrades and new installations, and relocating existing gas, oil, water, sewer and other utility lines.
- ◆ **BP Arco Gas Line, Signal Hill, CA:** Construction Observer.
- ◆ **800 Pacific, Long Beach, CA** Construction Observer for renovation of 20 condo units and selected common area improvements targeted at increasing the sale price of condominium units in this 48 unit, 100 year old apartment building, recently converted to condominiums. Also included were the following infrastructure improvements: Electrical upgrade in the common areas and in each condominium, Upgrade of existing passenger and goods elevators, Upgrade of the roofing system, including new skylights over the stairwells (Budget \$1,185,000)



CULVER CITY CM AND INSPECTION FOR SEWER REPLACEMENT PROJECTS

Organization Chart and Key Personnel

- ◆ **460 & 462 Rosecrans, 461 & 463 38th Place, Manhattan Beach, CA:** Conversion of 4 units from apartments to condos. Management of property as rentals through phased renovation. Coordinated contractors entry and inspection of completed work.

CONSTRUCTION AND MANAGEMENT

- ◆ **Rehabilitation Projects, Mitech Industries, LLC:** Several apartment buildings were purchased and rehabilitated and then sold at varying times. Property manager for five buildings (20) units. Handled tenants complaints, handy work, maintained property, renovated upon moving out, tenant screening, credit reports, rent collection, serving notices, evictions, scheduled contractors for carpet and paint.
- ◆ **Highlander Laundry, Montebello, CA:** Manage money collection, security, maintenance, and repairs.
- ◆ **Larson's Deli, Hermosa Beach, CA:** Plumbing, tile work, installed speaker system and sign installation.
- ◆ **Synergized Properties, Vernon, CA:** Coordinated demolition and concrete for loading dock.
- ◆ **Parking lot, Culver City, CA:** Rebuilt wall surrounding parking lot.

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CONSTRUCTION MANAGEMENT & INSPECTION

Construction Management

CBM's construction managers apply many years of experience on Caltrans, municipal, utility and private construction projects. Our team allows your agency access to some of the most practical Construction Managers and Technicians available. CBM provides all parties with up to the minute information, and is sensitive to the special needs of the community.

Construction Observation

CBM provides construction observation services for many types of projects. CBM construction observers have experience with bridges, highways, heavy civil projects, roadways, utilities, transportation projects, rail, wharf and port facilities, federally funded projects, and virtually any other type of municipal or public projects. Our construction inspectors bring many years of accrued skills in dealing with contractors and keeping the projects on track for timely completion.

SERVICES AVAILABLE

Contract Administration
Cost Estimating and Budgeting
Projected vs. Actual Budget Tracking
Scheduling, Monitoring and Tracking
Change Order Evaluation & Negotiation
Airports
Document Controls
Submittal, Shop Drawing & RFI processing
Construction Observation
Materials Inspection
Specialty Inspection
As-Built Documentation
Federal Fund Requirements Administration
Public Relations for Fire &
Police Department Projects
Storm Water Prevention Plan Monitoring
Hazmat Abatement Admin. & Coordination
Warranty, O&M Manuals and Training
Claims Avoidance
Full Time Daily Public Works Inspection
Daily and Weekly Reports
Quality Assurance
Photo and Video Documentation
Field Change Coordination
Quantity Measurement and Verification
Manpower and Equipment Tracking
As-Built Documentation
Contract Time Monitoring

PROJECT TYPES

Multi-Prime Projects
Streets & Highways
Building Construction
Marina, Port & Wharf Projects
Municipal Pool Projects
Parking Structures and Lots
Storm Drains & Sewer Systems
Building Renovations
Natural Gas Pipelines
Railroad Grade Separations
Sound Walls & Guard Rails
School Projects
Park Projects
Municipal Building Construction
Earthquake Repairs



Proposal

PROJECT UNDERSTANDING

The City of Culver City is seeking the services of a professional Construction Management and Inspection services firm to complete sewer improvements consisting of replacing the existing VCP sewer main and constructing a new PVC pipe sewer main such at multiple sites throughout the city. The scope of work includes the reconstruction of house laterals, manholes, roadway pavement, sidewalk, curb and gutter, and replacement of traffic markings as specified in the plans and specifications. Construction duration is expected to begin May 1, 2007 and run for 180 calendar days.

APPROACH

The CBM team firmly believes that the key to a successful project is more than just performing tasks outlined in a scope of work. Any competent team can follow a set of written guidelines. The key to a successful project is performing each task with a realistic and clear understanding of what the real intent of the project is and constructing the final product with a "win-win" attitude.

Management of any construction project requires a proactive approach with talented staff. CBM owes the successful completion of over 400 projects, with no unresolved claims, to our ability to find and maintain excellent professional staff, and our dedication to organization, documentation and the proactive management of the construction process. Our keen understanding of, and experience with the public process and the public construction contract administration also results in a smoother project experience. Our team's experience and our proactive approach enable CBM to stay ahead of the contractor and maintain the project on track for successful completion, on time and within budget.

A successful project is built by fostering good relationships and trust between the design team, client agencies and the Contractor. Before our team can begin to accomplish its goals, we must first understand the viewpoints of not only the involved agencies, but also the viewpoints of the Designers, Contractors, the general public and other affected project stakeholders. We must have the ability to analyze critical situations from all viewpoints and work with the Project Team to develop the best solution. The CBM team understands these varying viewpoints because we have worked for and/or managed design consultants, contractors and several public agencies.

CBM Consulting, Inc. has devoted over 15 years to providing project and construction management exclusively to public agencies. Our construction management, budget and schedule tracking systems, and our entire organizational structure are geared to providing flexible services to our clients. We have extensive experience in construction management of public projects, and we understand the unique and important differences between public and private projects. CBM managers are well known to our clients as "solution makers", we proactively identify the important issues – then work with the team to expeditiously implement solutions most beneficial to the project.

Management Approach

The CBM Approach starts with the end in mind. The end being a quality project delivered on time and within budget. The CBM process begins with the development of the main project elements: master project schedule, master project budget and the comprehensive scope of work. These elements are not developed in a vacuum, but rather with all project stakeholders to ensure that no surprises are encountered during the project. This provides a sense of order among project stakeholders and project team such that the entire team is focused on the same goals.



Proposal

CBM uses a wide range of systems, depending on the client's project need and budget. From simple, time-tested forms and procedures to the state of the art in CM and web-based systems, CBM delivers small and large projects on-time and under budget, while keeping our Client up to date on a "real-time" basis.

Potential Construction Challenges

Safety: First and foremost, CBM always considers safety the most important issue on any construction project. CBM will recommend key safety provisions to require the contractor to have competent safety personnel and site specific safety programs employed on the project at all times. CBM will monitor the Contractor's operations for compliance with the project safety requirements.

Protocol and Communication: Timely and concise communications are essential to the successful completion of any construction project. CBM will be the primary point of communications. All communications and correspondence will be handled in a professional and respectful manner. Typically, all project documentation will be scanned and digitized for expeditious distribution via email). All correspondence is logged and tracked, and linked to its respective issues for quick retrieval. CBM also offers set-up and maintenance of a project web-site for regular project status updates, as an additional optional scope item.

Project Phasing: The specifications require specific phasing be implemented. CBM has extensive experience working with contractors to facilitate critical phasing requirements on complex projects.

Temporary and Permanent Utilities: Early and continuous coordination with utilities is imperative to ensure timely availability of temporary and permanent services. CBM has extensive experience assisting contractors in dealing with local utilities on complex utility coordination projects.

Storm Water Pollution Prevention Plan: The CBM team is well versed at verifying best management practices and monitoring establishment, maintenance and modification of SWPPP measures on complex multi-phase projects.

Substitutions and Submittals: Timely procurement of materials and equipment for any building construction project is imperative. By submitting its bid, the Contractor is indicating it can successfully procure and construct the necessary components within the allotted time. CBM will establish a detailed, subsection by subsection submittal log at the beginning of the project and work with the Contractor to tie all submittals and procurement of materials and equipment into the schedule. CBM will continuously monitor that the contractor submits each item in a timely manner and that the review and approval of each item is not unnecessarily delayed by the City and/or A/E review process. Responses will be clearly documented to note the contractor's failure to meet specification requirements, thereby maintaining the contractor's responsibility to meet the contract completion deadline. Any substitution requests will only be processed for consideration if the item is considered equal or a substantial savings can be identified with little or no degradation to the quality or function intended for the specified item.

Requests for Information (RFIs): CBM will receive review, and process responses to contractor RFIs. Contractors typically utilize the RFI process to initiate changes on construction contracts. CBM will review all RFIs and clearly document that responses are clarification and that no additional cost or time



Proposal

will be considered. Should a response to an RFI appear to potentially impact cost or time, CBM will identify and recommend the most cost and quality effective alternatives to the City and expedite implementation with the Contractor.

Change Management / Claims resolution: CBM will implement its time tested claims management process to minimize changes to the project and avoid claims such that the project can be quickly and successfully closed out. CBM has done so on over 400 public projects valued and approximately \$1 billion with no unresolved claims. The basis for CBM procedures is a well organized documentation system, a keen understanding of the construction process, exceptionally qualified staff and fair and firm negotiations. CBM will not defer difficult issues and will process only change issues that have been analyzed and determined to have merit. Those items will only be recommended for consideration when the most reasonable cost and time has been negotiated and all alternatives to avoid the impact have been resolved.

Quality Control

The primary objective of CBM's quality control program is to ensure that quality work is performed consistent with the Owner's expectations, in accordance with contract drawings and specifications, and in compliance with applicable regulations and restrictions.

CBM utilizes the state-of-the-art in computerized contract administration systems. CBM has made a substantial investment to customize industry proven, off the shelf computer programs for utilization on public projects in Southern California. CBM has successfully used this system on several large public projects in Southern California.

Part of the customization of the contract administration database utilizes quality control reports to verify that documents control procedures are implemented and maintained correctly.

CBM's monthly CM quality control checklist includes, but is not limited to the following:

- ✓ Adherence to budget (Review change log, Trend, changes processed, status of open items)
- ✓ Adherence to Schedule (review baseline, latest update, related correspondence)
- ✓ Safety Monitoring (review site, safety correspondences)
- ✓ Quality Monitoring (review daily reports, as-built drawings, inspection and test reports)
- ✓ Progress reporting (Review latest report, compare to project data)
- ✓ Documentation control (review QC reports, spot check module links)
- ✓ CM budget (review contract balance, burn rate, staff activities/level of effort – make adjustments necessary)
- ✓ Moral check (check in with project participants, CM staff, client, contractor, stakeholders – how are they doing? (Address any "high temperature" areas professionally; the project takes precedence over personalities!!))

Our construction management team regularly implements quality control programs for our projects, including:

- ✓ Constructability and Coordination reviews of the drawings and specifications during design development
- ✓ Obtaining subcontractor input regarding materials, means and methods



Proposal

- ✓ Prequalification of bidders and personnel
- ✓ Management of contract documents to assure that only the most current documents are used for construction
- ✓ Coordination of testing and inspection services
- ✓ Pre-construction meetings with designers and contractors for key features of the work
- ✓ Management of submittals and approvals to ensure complete contract compliance
- ✓ Management of samples and all associated approvals to ensure contract compliance
- ✓ Verification of site conditions to ensure that all preparatory work required to be performed is complete and that the work areas are safe
- ✓ Monitoring of all contract work in progress to ensure that standards of quality are consistent with contract documents
- ✓ Documentation of quality procedures, checklists, test and inspections
- ✓ Project commissioning including punch-list corrections, equipment start-up, facility personnel training and turnover of equipment operation and maintenance manuals.

CBM enjoys a successful track record and plans to keep it. We recognize quality control as the cornerstone to continued success in our industry.

SCOPE OF SERVICES

CBM will serve as the City's representative and liaison with the City Project Manager and City Engineer, as well as, the Contractor during the construction of the project. Prior to the pre-construction meeting, CBM will review and be knowledgeable of the contract documents, as well as, be knowledgeable of existing site and conditions. Particular attention will be given to value engineering, CBM will review the construction documentation and identify any potential cost saving alternatives for the project. Additionally, after the pre-construction meeting, CBM will review and coordinate an analysis of the Contractor's submittals with the design team, as well as comment of the Contractor's schedule if necessary.

Constructability Review of Bid Documents:

CBM will review the plans for bidability and constructability and identify potential value engineering solutions, ambiguities, conflicts and/or omissions apparent during its review. The Bid documents and technical specifications will also be reviewed for potential duplication/overlap of clauses, conflicts, proper placement of critical requirements within the order and precedence of documents.

Preconstruction Conference: CBM will coordinate and conduct the Pre-Construction Meeting including notification to contractor, utility agencies, and other stakeholders, and prepare the meeting agenda and minutes.

The agenda and minutes will include the following items, at a minimum:

- Introductions of key personnel
- City responsibilities
- Safety
- Project Overview
- Confirmation of fully-executed Contract Documents and Notice to Proceed
- Establishment of Contract Time and Completion Date



- Review of Working Day definition and holiday schedule
- Common overall project goals will be identified
- Chain of communication & key contacts
- Public Relations
- The scope will be discussed and clearly defined
- Critical design elements, schedule and cost factors will be discussed
- Experience and key roles in the project will be discussed
- Past project experiences will be discussed to identify potential pitfalls
- Jurisdictional agencies and the Contractor
- Discussion of Master Schedule
- Sub-contracts
- Integration of utility coordination activities into schedule
- Documentation and tracking controls
- Change order procedures
- Scope, schedule and cost change administration, notification requirements & controls
- Submittal and RFI Process
- Identify long lead and any substitution and or-equal items
- Testing – review call-out requirements and deputy/special & testing requirements
- Review survey for consistency with the design
- Progress payment procedures
- Labor compliance
- Rights-of-way
- Easements and special access considerations
- Placement of signs
- Questions and answers
- Action item assignments

CBM considers the pre-construction meeting as progress meeting #1. All items discussed are designated as “open” or “closed”. All open items are carried forward to subsequent progress meetings until resolved and closed. Action items are assigned a specific responsible party and a deadline for resolution. Each progress meeting is clearly minuted and distributed to all attendees and affected coordination parties. CBM will also conduct all site meetings. Pre-construction meeting and site meeting minutes will be distributed via fax and / or email to meeting participants and to courtesy recipients identified by the City.

Daily Construction Observation Reports: CBM and/or its deputy inspection subconsultant will compile daily observation reports documenting the contractor's workforce, material and equipment used, a summary of construction activities, field problems, disputes or claims, resolutions of issues and directions given to the contractor. Completed daily reports will be transmitted to the City on a weekly basis.

Periodic Progress Reports: If desired by the City, CBM will cooperatively develop, with the Project Stakeholders, the format and information required for reports that may be required during the construction phase. These reports are typically compiled every other month and include the following information:



Proposal

- Summarized report of construction activities including significant events and accomplished goals
- Construction observation reports
- Description of progress with photos to enhance the descriptions
- Description of equipment used
- Comparison of Actual vs. Planned Progress, in narrative form and bar graph form
- The latest detailed 4 Week Look Ahead Schedule submitted by the Contractor and reviewed by CBM
- Identification and discussion of current problems or pending change orders and actions taken or planned to resolve such issues
- A discussion of new short and long term goals for the project
- A comparison of Actual vs. Planned budget expenditures
- A Master Trend Log detailing potential and approved changes
- Report of progress payments made to date and invoices in process
- Labor Compliance Reports for Contractor and Subcontractor employees (if required)
- A QA/QC section prepared by the Team addressing testing and regulatory compliance issues
- An analysis of change order impacts or potential problems on schedule and budget

Submittal Processing: CBM will track all correspondence and submittals on this project. CBM will receive all Contractor submittals and review them for completeness and general conformance with the contract documents. All shop drawings, samples and other submittals received from the Contractor will be logged in and routed to the City and the Architect. Responses will be logged in and transmitted to the Contractor. Submittals will be tracked throughout the project to ensure timely response in order to avoid Contractor claims for delay. All Submittals will be expedited utilizing electronic delivery whenever possible (except for shop drawings, large format documents, etc.). Additionally, CBM will recommend key contractual requirements for the Contractor to clearly indicate submittal processing requirements in the project schedule. Submittal comments will be monitored to identify potential impacts to quality, cost or schedule, with recommended alternatives and/or solutions.

RFI's: Upon receipt, CBM will log, distribute and respond to each Request for Information (RFI) as required. It is anticipated that most will be handled upon receipt. However, in the event that the design engineer or the City staff are required to answer questions, the project manager will coordinate a timely resolution. CBM will identify potential impacts to cost or time that may result due to issues identified in RFIs, with recommended alternatives or solutions to mitigate the potential impacts.

Weekly Statement of Working Days: CBM will prepare a weekly statement of working days documenting the construction progress, time of completion, delays and time extensions, and submit to Contractor and the City on a weekly basis. The weekly statement of working days is typically discussed and agreed upon at each progress meeting and transmitted as an attachment to the minutes.

Problems and Solutions: CBM'S proactive approach serves to anticipate and expeditiously resolve field problems. Our team is well trained in problem solving. All issues are processed with a sense of urgency and presented to the City with suggested alternatives, cost and schedule impacts and recommended solutions. CBM will quickly implement the alternative, which suits the best interests of the project and the City.



Proposal

CBM will effectively and expeditiously communicate with City staff, Design Consultants and the Contractor to identify conflicts construction problems, coordination issues, and will obtain the needed action and response to submittals and RFI's.

Document Tracking System:

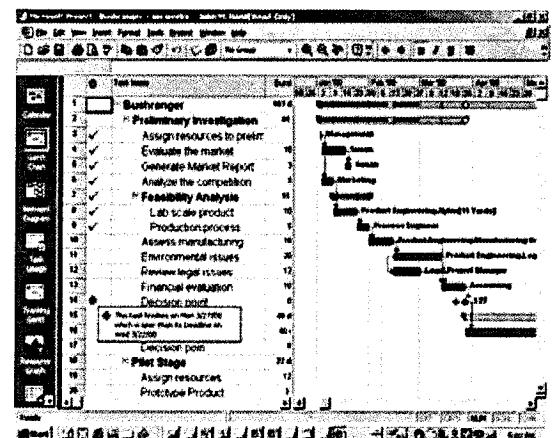
Complete and current project files shall be kept at the job site, or at a location agreeable to the City, and shall be available to the City at all times. These files will consist of the contract, correspondence relating to or modifying the contract, proposal requests, clarifications, permits, logs, reports, RFI's, field orders, change orders, claims inspection reports, test reports, etc. CBM has a detailed file indexing system for all project hard files, and a contract administration database customized for public works agency construction management for management of digital data and scanned documents. CBM has already developed customized forms, reports database structure, and work breakdown structure, well suited for this project. We will adapt our system to the specific needs of the project, to monitor, track and control the project. This detailed tracking system will enable us to provide an accurate assessment of the progress to the City with recommendations to maintain or improve adherence to the approved project schedule.

Schedule Review: CBM is intimately familiar with all of the main stream scheduling software utilized by the public works contracting industry, including, but not limited to Primavera P3® Suretrak® and Microsoft Project®. CBM will review the baseline construction schedule, including activity sequences and duration, schedule of submittals and schedule of delivery for products with long lead-times. The CBM team will evaluate the baseline project schedule for the following:

- Consistency with the contract schedule (completion within the contract time)
- Accurate start dates, completion dates, other dates detailed in the contract
- Any impacts of weather and change orders
- Sufficient detail – including submittal process and procurement requirements
- Sequence of construction and correct schedule logic
- Identification of the critical path and project float

The schedule will not be approved as the baseline until all discrepancies are resolved.

Schedule Control: During the progress of construction, CBM will compare the contractor's monthly schedule updates to the baseline schedule and any approved time extensions, note any shortcomings and monitor and track corrections by the Contractor to keep the Project Schedule on track. A 4-week look ahead will be required from the contractor, updated weekly and presented at the weekly construction progress meetings. This tool will keep the entire team looking one-month ahead of the project and will facilitate proactive handling of project activities and issues. If necessary, CBM will negotiate time extensions due to change orders or other delays.



Photographs: Prepare and maintain an electronic photo journal documenting the construction progress. Photos shall be taken before construction begins, during construction and upon completion of the project.



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Contract Conformance: CBM's Construction Observer will be full time on site the normal working hours and when critical activities require to verify construction progress and to verify that all work conforms to contract requirements. Deputy and special inspection and materials sampling and testing will be coordinated and provided as required by the final plans and specifications. CBM's will reject work that does not conform to the requirements of the contract documents and will promptly report unacceptable work to the City and contractor. Rejected work will be thoroughly documented, photographed, and tracked until repaired or replaced to the satisfaction of the City.

Coordination with City: CBM will monitor closely the work of the contractor. The contractor will be required to submit a 4-week look ahead schedule at the weekly meetings. This is a very effective tool in helping to coordinate the construction operation, particularly in relation any interface operations with the City's activities. CBM will assist the City to minimize disruption to both City and construction operations.

Safe Conditions: CBM will monitor project work and adjacent areas for unsafe conditions, promptly require corrective measures to be addressed by the Contractor in compliance with the contract documents and report such issues and corrective measures taken to the City.

SWPPP: CBM will enforce all provisions of the Storm Water Pollution Prevention Plan. At a minimum SWPPP requirements will be monitored and a specific SWPPP Checklist will be compiled. Any deficiencies noted will be addressed with the contractor for immediate remedy. Upon a weather report of 40% (or higher) expectancy of rain, a site walk will be conducted to ensure that SWPPP measures are in place and well maintained.

Materials and Workmanship: CBM will recommend approval of materials and workmanship that meet the contract requirements, in coordination with the authority of the consulting engineer, architect, fire inspector, deputy inspector, or other authorized representative or regulatory authorities having jurisdiction.

Documentation Interpretation & Technical Assistance: CBM will perform the coordination and expediting between the contractor, design team and City Staff to clarify any questions for interpretation of the construction documents. Timely, firm and fair determinations will be processed to minimize cost and time impacts to the project.

QA/QC: CBM will enforce the quality assurance plan, in conformance with the City's Quality Assurance Manual. CBM will coordinate QA/QC activities on a daily basis and review activities as they happen, to make sure that QA/QC procedures are followed and deficiencies are resolved in a timely and efficient manner. The CM will maintain a chronological log of all records.

Special, Deputy and Soils Inspection and Materials Testing:

CBM has a working relationship with most of the local soils, deputy inspection and material testing firms. Upon determination of the specific special, deputy and soils inspection and testing requirements, CBM will develop the required scope of services engage the necessary services for the QC on the project.

An allowance for special, deputy and soils inspection and testing services is recommended in the proposed fee. The actual amount will be coordinated and determined upon completion of the plans and



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specifications, and coordination with building and safety for determination of the final requirements for the project.

Testing and Observations: CBM will coordinate laboratory, jobsite, offsite testing of construction materials and required observations per construction documents, construction codes, and Jurisdictional Agencies. CBM will implement established procedures for testing as required per the construction documents. CBM will monitor testing services, track documentation and record testing results in weekly construction progress meetings. When necessary, CBM will require and track that corrective measures are implemented and re-inspected to verify acceptable completion.

Change Orders: CBM will establish, implement and coordinate systems for processing all contract change orders. Each issue, which is identified as a potential change to the design, scope, cost or contract time will generate change notice. CBM will determine whether or not a change notice should be considered. The plans and specifications will be reviewed against the change notice. If the issue does not appear to be included in the plans or specifications, a Request for Quotation (RFQ) will be sent to the Contractor. Any credits for work deleted as a result of the change will be required at this time as well. The contractor's response to the RFQ will be evaluated for reasonableness and completeness. CBM will maintain a Trend Log, listing potential changes as identified, either formally or informally. This Trend Log shall be used such that potential change items are not overlooked or deferred until the end of the job. CBM will prepare independent cost estimates as required for contract change orders. Upon approval by the City, CBM will prepare, log and process change orders for full execution, and administer their implementation. Once fully executed, CBM will review the timely completion of the work and coordinate inclusion of the change order in the appropriate payment application.

Change Management/Claims resolution: CBM will implement its time tested claims management process to minimize changes to the project and avoid claims such that the project can be quickly and successfully closed out. CBM has done so on over 400 public projects valued at approximately \$1 billion with no unresolved claims. The basis for CBM procedures is a well organized documentation system, a keen understanding of the construction process, exceptionally qualified staff and fair and firm negotiations. CBM will not defer difficult issues and will process only change issues that have been analyzed and determined to have merit. Those items will only be recommended for consideration when the most reasonable cost and time has been negotiated and all alternatives to avoid the impact have been resolved.

Daily Extra Work Reports: CBM will verify and sign contractor's daily extra work reports documenting force account (time & materials) work. In particular, CBM will monitor that only appropriate worker classifications necessary for approved time and materials work is included on extra work reports. Any inappropriate workforce and/or equipment charges will be promptly rejected and removed from extra work reports.

Progress Payment Processing: A cost control system, based on the Contractor's schedule of values, approved change orders and the contract amount shall be developed and implemented to monitor progress costs. Monthly cost reports will be submitted to the City as a component of the Monthly Progress Report.

CBM will review the payment applications submitted by the contractor and determine whether the amount requested reflects the progress of the contractor's work. Appropriate adjustments to each



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payment application will be required by the contractor. When the payment application is acceptable and all backup documentation is verified (certified payrolls, lien releases, etc.), CBM will prepare and forward to the City a Progress Payment Report. The Report shall state the total contract price, payments to date, current payment requested, retainage and actual amounts owed for the current period. The CBM team is experienced evaluating complex pay applications. It is critical to the City's best interest that payment application review be performed accurately and prudently to maintain the prime and subcontractor incentives to perform on the projects.

Construction Meetings, Schedule and Conduct Field Meetings: The following meetings will be held on site:

Periodic Progress Meetings with agencies, design team and staff to discuss all data included in the monthly progress reports and focus on the following items:

- Progress during the period
- Major decisions made
- Planned vs. actual schedule
- Upcoming work schedule
- Current or unresolved problems
- Anticipated or pending change orders
- Impacts of problems or change orders on schedule and budget
- Discussion of new goals
- Planned vs. actual budget analysis
- Scheduled concurrent with a weekly meeting to save time and cost

Weekly Progress Meetings will be mandatory for the Contractor and staff, and optional or on an as needed basis for City and design team staff. All parties are always invited to attend in person or via remote. Meeting minutes are distributed to all team members whether in attendance or not. Discussions will focus on the following items:

- Contractor's detailed 4 week look-ahead schedule
- Progress and major decisions during the last week
- Update of unresolved items from previous meetings
- Status of submittals and change orders

Special Meetings will be scheduled as needed to discuss important issues or which require detailed discussion or review of plans and specifications. These meetings will follow the weekly meeting to reduce trips, if issues are not urgent.

Written Instruction: CBM will Issue written instructions to contractor regarding routine matters and/or follow-up of verbal instructions as necessary to properly document project issues.

Plans, Specs and As-Builts: At a minimum, CBM will periodically review the Contractor's as-built updates on the approved job plan set, identify missing items and require the Contractor to keep as-built records up to date throughout the project. At the City's option CBM will keep its own set of as-built plans which will note the location of subsurface utilities encountered and / or installed, identify where any design or field changes were required (utilizing the corresponding RFI and / or change order numbers) and note the location of critical building components that are covered by finish work. At the end of the project the final as-built plans are submitted the City within thirty days of construction completion.



Proposal

Pre-Final Inspection: The Construction Manager and Construction Observer will perform the final job walk and prepare the punchlist (deficiency list). CBM will coordinate and observe completion of required corrections. Should the Contractor lag on a portion of the completion of project work, CBM will estimate the value of the incomplete items and recommend specific retainage in accordance with the contract to preserve the City's interest. If necessary, a change order will be recommended for approval for completion of the remaining work such that the City may file the notice of completion and start the time after which stop notices and/or claims are no longer valid.

CBM will schedule and perform quality assurance materials testing to verify compliance of the work with the contract documents. We will review test reports submitted by others to substantiate compliance and ensure that Certificates of Compliance or source release tags are furnished by the Contractor along with the applicable delivered materials at the project site.

Final Inspection: All corrections must be made before CBM recommends processing of the "Notice of Completion". CBM is noted for our attention to detail. Not only have we excelled at closing out our own projects, but we have been requested to and successfully closed out problem client projects where our services were not initially utilized.

Upon completion of the punchlist and final sign off by all project stakeholders, CBM will make recommendation to City regarding Contractors final progress payment request and prepare final progress payment report for submission to City.

Delivery of As-Builts and close-out documents: CBM will review "as-constructed" plans and prepare "as-constructed" reports. CBM will assist the Contractor in maintaining a field set of "as-constructed" plans to be updated daily and delivered to the City upon project completion. CBM will continually document changed field conditions and not rely on the Contractor to document "as-constructed" conditions. The will report and photograph field condition changes. The CM will document and keep these "as-constructed" conditions on plans in his office. CBM will review the Contractor's submittal of "as-constructed" conditions and compare this submittal to CBM's own documentation. Discrepancies will be discussed, resolved and recorded. Completed "as-constructed" plans will be submitted to the City.

CBM will enforce the provisions of the specifications to require the Contractor to submit well coordinated operations and maintenance manuals, warranties & guarantees, bonds, extra stock and/or other items required by the contract documents such that a timely close-out of the project is implemented.

CBM will perform closeout duties including final organization of project files and submit to the City for final approval, and assist with the filing of the notice of completion and release of retention.

ADA Requirements: CBM will provide coordination necessary to assure that ADA requirements are satisfied during construction progress and upon completion.

Utility Coordination: CBM will ensure utility coordination throughout the construction phase of the project is performed by the GC.



Proposal

Lien Waivers: CBM will administer the lien waiver process and review all conditional and unconditional releases for consistency with all payments made.

Coordination with Residents and Property: CBM will work with adjacent property owners' and residents' to resolve their concerns, review potential accessibility issues, and ensure installation of traffic control devices per approved traffic control plans. This is a key element in any construction effort and will be especially important as residents will be impacted by periodic closures.

Monumentation

CBM will verify removal, recordation notes, and replacement of all monumentation.

Review construction traffic control

CBM will review construction traffic control to ensure the optimum situation with regard to the following: Protection of the public both pedestrian and vehicular, during the construction operation.

Arrange the traffic control so that there is minimal disruption to traffic and access to local business operations.

Provide safe access for pedestrians and vehicles during the construction operation.

Provide for the optimal phasing of the traffic control to facilitate the efficient completion of the construction operation.

CRITICAL ISSUES

The plans and specifications have been reviewed by CBM staff to identify the critical issues for each work zone. These items are of particular interest and will be given special attention during construction. It goes without saying that safety is the number one critical issue in any construction zone, and it will be the first and foremost concern in all of these areas.

All of these new lines are being installed in dense residential and industrial neighborhoods. Coordination with residents and business owners will be a key construction mitigation measure.

Cranks Road



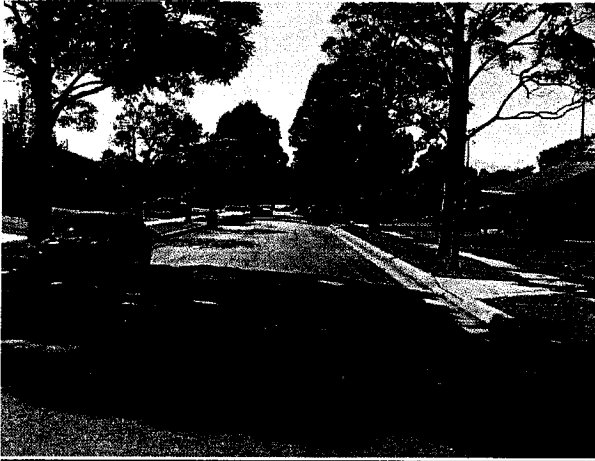
1. The sewer will be replaced on its existing alignment in many areas. Special care shall be taken to ensure that service to the residents is uninterrupted.



Proposal

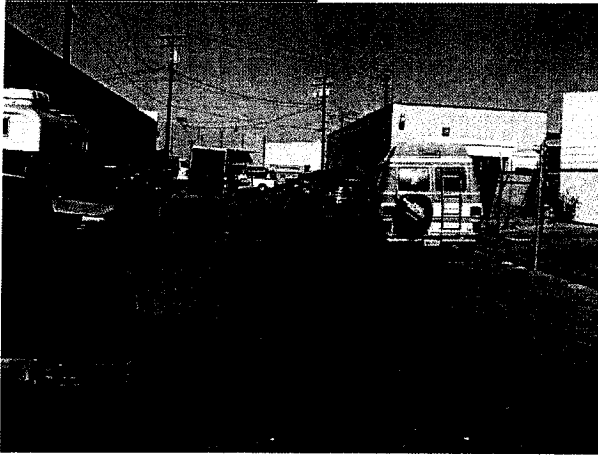
2. The sewer installation trench will exceed 11' deep in some areas. Shoring installation and inspection will of high importance.
3. The street and sewer line exceeds 5% slope in some areas. Special safety measures shall be taken.

Northgate Street



1. The sewer will be replaced on its existing alignment in many areas. Special care shall be taken to ensure that service to the residents is uninterrupted.
2. The sewer installation trench will exceed 14' deep in some areas. Shoring installation and inspection will of high importance.
3. Large beautiful trees are planted on the parkway of this street. Depending on the level of growth prior to construction, it may be necessary to trim the trees back to make room for large construction equipment. The deeper the trench, the more overhead clearance required.
4. The Northgate sewer connects at Overland. Efficient and safe traffic control will be important.

Blackwelder and Smiley



1. The sewer will be replaced on its existing alignment in many areas. Special care shall be taken to ensure that service to the businesses is uninterrupted.
2. The sewer installation trench will exceed 16' deep at the tie in at La Cienega. Shoring installation and inspection will of high importance.



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3. The Blackwelder sewer connects at La Cienega. Efficient and safe traffic control will be important.
4. The pipe slope in Smiley Dr. is a very flat 0.3% in some areas. Special care will be taken with construction controls to ensure proper flow.

Commonwealth Ave



1. The sewer pipe has very minimal slope, 0.15%, for very long stretches. Construction controls will be of utmost importance to ensure proper flow.
2. A 20" high pressure gas line will be crossed in two locations. Coordination with So. Cal. Gas will help to ensure a safe work zone.
3. A sewer bypass system must be maintained 24 hours a day across Commonwealth Ave.
4. Traffic control across Culver Blvd will require regular inspection.

Carson St



1. The sewer will be replaced on its existing alignment. Special care shall be taken to ensure that service to the residents is uninterrupted.
2. Large beautiful trees are planted on the parkway of this street. Depending on the level of growth prior to construction, it may be necessary to trim the trees back to make room for large construction equipment. The deeper the trench, the more overhead clearance required.

Proposal

Whitburn St, Everward Road, Flaxton St and Drakewood Ave

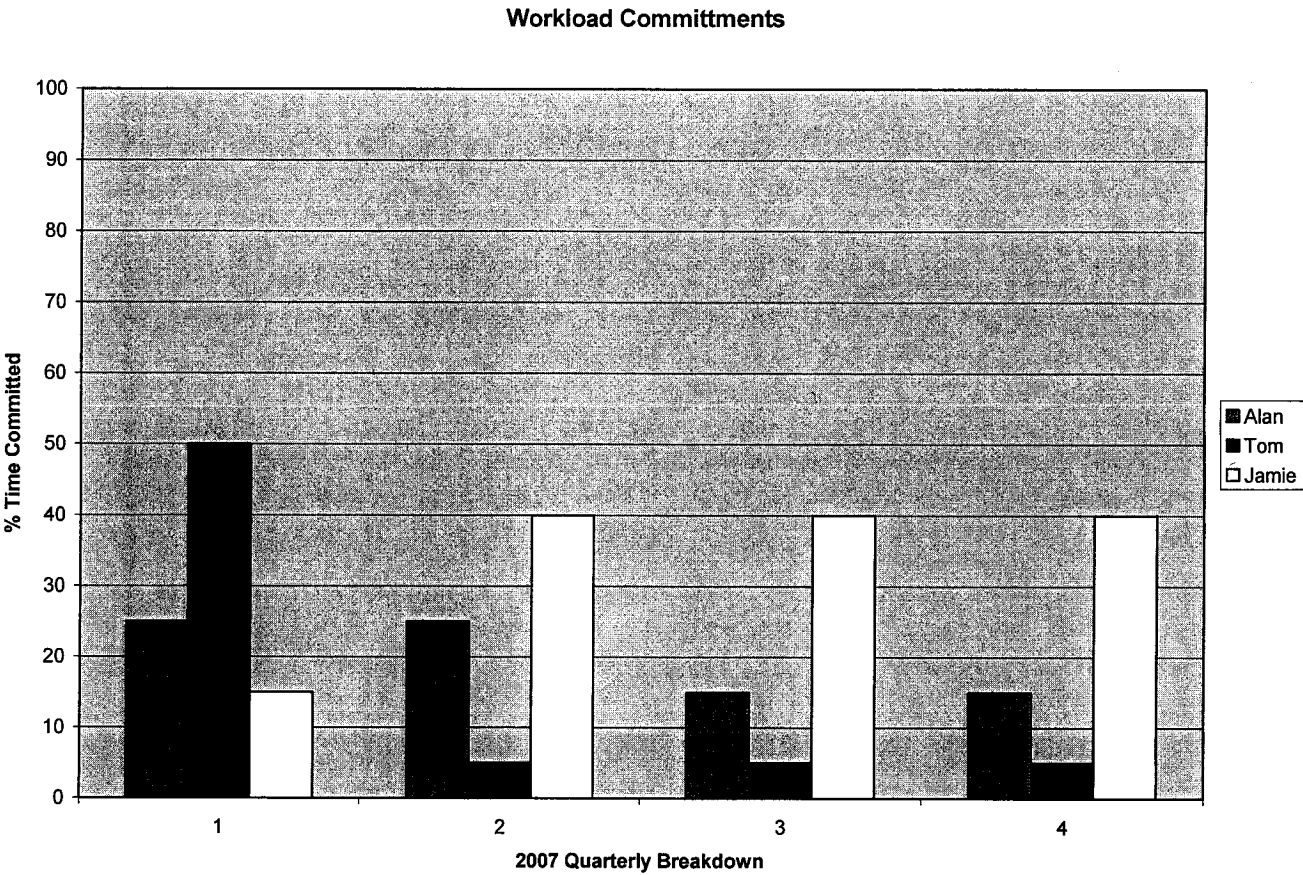


1. There are multiple tie in points at Overland Blvd. Special attention shall be paid to traffic control.
2. The street and sewer line exceeds 9% slope in some areas. Special safety measures shall be taken.
3. There are several areas where the sewer will be installed more than 13' deep. The top end of Everward is especially deep at nearly 18'. Excavations will be closely monitored and shoring will be strictly enforced.
4. The sewer on Drakewood is especially flat at 0.20%. Construction controls will be especially tight in this area.



Schedule

SCHEDULE OF CURRENT AND FUTURE PROJECTS



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Rates & Fee

RATES & FEE

ASSUMPTIONS:

1. The level of effort and fee estimate detailed above is based on CBM's proposed scope of services delivered over the contract time set forth in the construction bid documents. The tasks outlined in the fee reflect the requirements in the Request For Proposals.
2. The fee assumes that construction phase services begin and end within the contract completion time.
3. Additional scope of services not listed in the proposal or extended schedule for reasons outside of CBM's control would require additional effort and fee. Over time and weekend rates will be billed at time-and-a-half.
4. Soils inspection and testing, deputy and special inspection and testing, and/or QA/control surveying are excluded from the fee proposal. CBM will coordinate these services performed by others unless otherwise desired by the City.
5. The fee estimate assumes CBM will perform CM activities from CBM headquarters office in Gardena with requisite site visits. No onsite facilities, furniture, utilities or equipment are included in the fee.
6. Project expenses are billed at cost plus 10%. Project expenses include: Non-commuter automobile mileage (at \$.50 per mile), postage and special courier expenses, subsistence, reproduction, project related telephone, subcontractor services and other direct project expenses as requested by the client. Should the client desire, phone and mileage may be included in an hourly rate, which shall be negotiated and slightly higher than the billable rates indicated above.

CONFIDENTIALITY

This proposal is submitted in good faith in an effort to solicit work and to offer professional services to the addressee. This Proposal is confidential and intended for use only by the addressee and not for public consumption. The addressee may make copies for their own use internally. However, dissemination of this document to others outside your Agency may only occur with the express written consent of CBM Consulting, Inc. Thank you for honoring this confidentiality.





COMPANY BACKGROUND

The Nickerson Company is a California Corporation, established in September, 2001. The firm provides construction management, and inspection service for public and private agencies.

Vernon Nickerson the principal-in-charge is a former Culver City Public Works Inspection Supervisor who successfully served the City for nearly 18 years before his service retirement in 2001.

Since much of his experience is within the boundaries of Culver City, he is a credible and familiar face to the local residents, City departments, and utility companies. His unique experience in working in the Public Works Department benefits the City in developing a comprehensive and successful approach to the project. The Nickerson Company will act as an extension of the City's staff. The project will be structured so as to maintain open communication with the City, design engineers, contractor, and pertinent regulating agencies.

Our services will be personally directed by the principal-in-charge who has superior knowledge and experience in the project areas with the excavation issues and with local residents. We will anticipate and keep ahead of key issues with intent to ease the impact of construction on local residents and will minimize down time by anticipating problems/change conditions and present solutions to the city in a timely manner.

The Nickerson Company applies value analysis/engineering to the project in a systematic approach to obtain optimum value for every dollar spent. The objective of this approach is to lower total costs, including life cycle costs, without affecting performance and reliability.



Cost Proposal
Culver City Sewer Replacement Project
March 13, 2007

2007 Hourly Charge Rate Schedule

Title	Name	Hours Per Week	Rate Per Hour	Duration	Extension
Principle in Charge	Vernon Nickerson	10	\$ 175.00	26	\$ 45,500.00
Construction Manager	David Tiberi	10	\$ 155.00	26	\$ 40,300.00
Construction Inspector	Jacob Bondar	40	\$ 110.00	26	\$114,400.00
Administrative Assistant	Clancy Reedy	10	\$ 74.00	26	\$ 19,240.00
Total					\$219,440.00

Total fees as indicated are based upon the estimated time requirements for a construction period of 180 days with one full-time Construction Inspector plus one part-time Construction Manager. These fully burdened rates include all vehicle, cell phone, computer, and inspection equipment charges. Field office space and furnishings are to be provided by others. Material testing and construction staking are not included. The standard hourly rates shown above includes payment of prevailing wages for inspection as required by law, and Certified Payrolls will be provided upon request. The hourly rate for overtime inspection (nights and weekends) is 1.35 times the standard rate. Construction Management overtime is provided at the same hourly rate as shown above. There will be no additional charges for "reimbursables" such as mileage or travel time. Invoicing of fees will be based on the level of effort actually required to properly administer and inspect the project. If the level of effort is less than the estimate, the City will be invoiced accordingly. Should additional services be required to accomplish project objectives, said services will be provided following prior notification of and approval by the Nickerson Company and Culver City.

This is a "Not-to-Exceed" cost proposal as requested in the Request for Proposal from Culver City dated February 22, 2007.



PROJECT TEAM AND RESUMES

Principal-In-Charge	Vernon L. Nickerson
Construction Manager	David Tiberi, P.E., CCM
Construction Inspector	Jacob Bondar
Construction Inspector	Azam Azimi

The high quality of The Nickerson Company's work reflects the capabilities of its individual employees and the blending of their talents to meet the requirements of each project. To assure this quality, it is our company policy to staff each project with those professionals who have the requisite interest, time and skills.

To proposed team members have worked together on several similar projects in the last 5 years. Detailed resumes of the team are provided in this section.



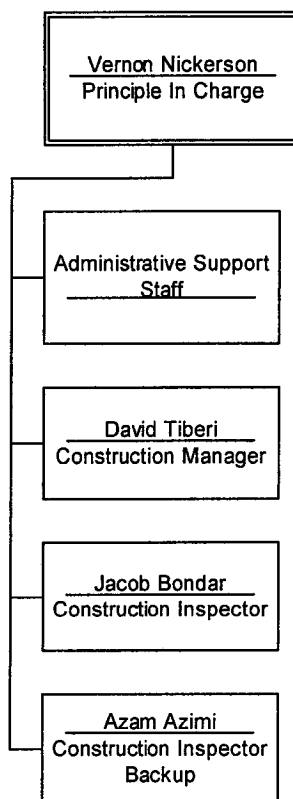
THE
NICKERSON
COMPANY

CONSTRUCTION MANAGEMENT & INSPECTION SERVICES

CA GENERAL "A" LICENSE #807217

Sewer Replacement Project

Eveward Road, Drakewood Avenue, Whitburn Street, Flaxton Street,
Blackwelder Street, Smiley Drive,
Northgate Street, Cranks Road,
Carson Street, & Commonwealth Valley
Wednesday, March 14, 2007



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Vernon L. Nickerson

General Contractor/Construction Manager

YEARS OF EXPERIENCE: 35 years

EDUCATION:

University of California, Los Angeles, 1993/1999
West Texas A&M University, 1971-1975
Certified Construction Manager, 1992

PROFESSIONAL MEMBERSHIPS:

American Public Works Association, Southern California Chapter
American Construction Inspectors Association, Professional Member, Los Angeles Chapter

PROFESSIONAL QUALIFICATIONS:

Vernon Nickerson has over 30 years professional experience as an operating engineer tradesman, foreman, superintendent and contractor on all types of excavation, roadway and pipeline projects. Mr. Nickerson is a licensed general engineering contractor, a certified construction manager, and a retired Senior Public Works Inspector for the City of Culver City following 17 years of service. He has expertise in multiple facets of the industry and has been an active member of the Los Angeles Chapter of the American Inspectors Association for more than 15 years. His background includes construction supervision with general engineering construction management and inspections. Mr. Nickerson's broad range of completed projects has provided him with exposure to the associated problems and a variety of solutions for addressing the numerous constraints potentially affecting project developments.

RELATED EXPERIENCE:

THE NICKERSON COMPANY, INC., LOS ANGELES, CA
Construction Manager/Owner

- Provide construction management and inspection services to public and private sector clients. Plan, direct, and coordinate a wide variety of construction projects including all site activities for general engineering and capital improvement projects. Schedule, monitor and inspect all work from conceptual development stage to project completion.

CITY OF CULVER CITY, PUBLIC WORKS DEPARTMENT, CULVER CITY, CA
Senior Public Works Inspector 1995 – 2001

- Developed work schedules for public works inspectors, established priorities, reviewed and adjusted schedules to meet requirements and emergency conditions. Assisted in the administering of contracts for public works projects by reviewing progress payments, requests for change orders, material quality control testing and contractor's claims of final qualities. Accountable for all activities from start to completion of project; reviewed completed work for accuracy and timeliness of results.

Public Works Inspector 1986 – 1995

- Inspected all types of public works construction projects such as streets, sidewalks, storm drains, utility excavations, sewer mains, parks and park facilities to ensure compliance with the engineering plans, specifications, contracts and agreements.

LICENSES AND TECHNICAL TRAINING:

General Engineering Contractor, License No. 807217, State of California

- Construction Storm Water Compliance, Building Industry Association of Southern California
- Confined Space Training, City of Culver City
- Soil Compaction Techniques, Budinger & Associates,
- Federal Emergency Management Exercise Design, FEMA
- Competent Person Training, American Water Works Association
- Professional Development Certification, Asphalt Institute



David Tiberi, P.E. CCM
Construction Manager

YEARS OF EXPERIENCE: 19

EDUCATION (DEGREE AND SPECIALIZATION)

Master of Science / Structural Engineering
Bachelor of Science / Civil Engineering
Caltrans Resident Engineer Academy, 1995
Caltrans Bridge Academy, 1992
Certified Construction Manager (CCM), 2003

CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

1992 / CA / Professional Engineer / No. 49796, exp. 9/2008
1995 / NV / Professional Engineer / No. 011733
1997 / CO / Professional Engineer / No. 33105
1997 / WA / Professional Engineer / No. 35414
1997 / AZ / Professional Engineer / No. 32929
1997 / UT / Professional Engineer / No. 363071-2202
2007 / OR / Professional Engineer / No. 78801PE

OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Tiberi provides providing construction management and inspection services to public agencies on bridge, highway, public building, and municipal public works projects. He is an experienced Project Manager, Resident Engineer, and Structure Representative for bridges, highways, earthwork, drainage, traffic signals, landscaping, asphalt concrete and PCC paving, concrete structures, buildings, and municipal/county public works construction. Duties include shop drawing reviews; constructability reviews; supervision of surveying, construction inspection, and testing; contract administration; schedule reviews and monitoring progress; community outreach; dispute resolution and claims analysis. Project Manager for on-call inspection services contracts. Liaison between owner, designer, and contractor for field, design, and legal issues. Received the Caltrans "Superior Accomplishment Award" for work performed as a Caltrans District 7 employee during the Northridge Earthquake emergency bridge reconstruction projects. Active member of the Construction Management Association of America (CMAA), the Management Practices in Construction (MPIC) Committee of the American Society of Civil Engineers (ASCE), the Womens' Transportation Seminar (WTS), the American Segmental Bridge Institute (ASBI), the Society of American Military Engineers (SAME), and the Dispute Review Board Foundation (DRBF).

TITLE AND LOCATION

190th Street Improvements, Torrance, California – 2002

DESCRIPTION AND SPECIFIC ROLE

Served as Construction Manager for the City of Torrance on this roadway rehabilitation and widening project. The project covered approximately 1.5 miles of 190th Street with pavement rehabilitation, roadway widening, landscaped median construction, traffic signal modifications, water line replacements, plus new curbs, gutters, and sidewalks. Construction required extensive temporary traffic controls for phased construction. As Construction Manager, provided full contract administration services to the City of Torrance, including contractor progress payments, contract change orders, dispute resolution assistance, submittal reviews, schedule reviews, conducting weekly job meetings, and supervision of material testing requirements for federal funding compliance. Supervised full-time field inspection of all construction. All work was in conformance to City standards plus the "Green Book" and Standard Plans for Public Works Construction, including ADA compliant access ramps.

TITLE AND LOCATION

Main Street Improvements, Carson, CA – 2003

DESCRIPTION AND SPECIFIC ROLE

Served as Construction Manager for the City of Carson on this roadway rehabilitation and widening project. The project included approximately 2.5 miles of roadway widening, pavement replacements, overlays, slurry seals, concrete sidewalk and curb & gutter replacements, street lighting, traffic signal installations, raised landscape median construction, and NPDES compliance. The project was constructed to the standards of the City of Carson, APWA, Los Angeles County, and Caltrans. As Construction Manager, provided full contract administration services including conducting weekly progress meetings, reviewing progress schedules, and ensuring compliance with federal funding requirements. Supervised full-time inspection and coordinated material testing. Wrote change orders for City approval, and monitored the project budget. Issued monthly progress payment to the Contractor. Issued a final punch list, and ensured punch list completion to the City's satisfaction. Resolved many plan discrepancies, including incomplete plans for private property modifications adjacent to the roadway widening and survey discrepancies related to grading and drainage.

TITLE AND LOCATION

Trunk Sewer Replacements, Pomona, CA – 2000

DESCRIPTION AND SPECIFIC ROLE

Served as Project Manager for the City of Pomona for this project to construct 25,850 of sewer lines, including 8,100 feet of 42" diameter trunk sewer from the intersection of Hamilton Avenue and Phillips Boulevard to the Los Angeles County Sanitation District's Human Way Treatment Plant. All inspections were accomplished according to Los Angeles Sanitation District and City of Pomona standards. The project also included two major siphon crossings under State Route 71 and Mission Boulevard plus extensive utility coordination. Responsibilities included oversight and logistical support to the Construction Manager and full-time inspector and dispute resolution assistance to the City.



Azam Azimi
Construction Inspector

Years of Experience: 25
EDUCATION

CURRENT PROFESSIONAL REGISTRATION

Ph.D. Civil/Structural Engineering

North Carolina, Civil Engineering / No. 022555

OTHER PROFESSIONAL QUALIFICATIONS

Construction Inspector for highway and bridge construction and municipal public works. Expert knowledge of construction materials for highway and bridge construction, including high performance concrete.

TITLE AND LOCATION

Structure and Highway Inspector, US 101/ Kanan Rd Interchange Improvements, Agoura Hills, CA

BRIEF DESCRIPTION AND SPECIFIC ROLE

Bridge Inspection for the US 101/Kanan Interchange for compliance with PS&E documents per Caltrans standards. Approximately \$10 million in construction. Project includes a bridge widening and interchange improvements to increase traffic flow.

Responsibilities:

- Bridge widening inspection
- Retaining Wall inspection
- Utility relocation inspection
- Inspection of drainage improvements, landscaping, curb, gutters, and sidewalks, and roadway/ramp construction
- Maintained all documentation per Caltrans Construction Manual

TITLE AND LOCATION

Various Commercial Structures, Raleigh North Carolina – 2006

BRIEF DESCRIPTION AND SPECIFIC ROLE

Projects included various commercial buildings, mainly retail stores.

Responsibilities:

- Designed and inspected building foundations as an independent consultant

TITLE AND LOCATION

Field Inspector, I-440 and I-485 Widening, North Carolina Dept of Transportation, Raleigh, North Carolina – 2005

BRIEF DESCRIPTION AND SPECIFIC ROLE

Projects included I-440 Widening in Raleigh, I-485 in Charlotte, and US 70 bypass in Johnston County as part of the state's \$1 Billion annual construction program. Worked on project elements including various structures, such as concrete and steel bridges, culverts, retaining walls.

Responsibilities:

- Inspected construction for compliance with plans, specifications, and special provisions
- Monitored projects to compare short and long term performance of new, specialized materials such as high performance concrete
- Performed value engineering reviews for cost savings on structures as mandated by FHWA

TITLE AND LOCATION

Field Inspector, I-93 and I-95, Massachusetts Depart. Of Transportation, Boston, Massachusetts – 1985

BRIEF DESCRIPTION AND SPECIFIC ROLE

Responsibilities:

- Bridge inspection for compliance with plans and specifications and other contract documents

TITLE AND LOCATION

Field Engineer, Universal Testing Services, Stoneham, Massachusetts – 1984

BRIEF DESCRIPTION AND SPECIFIC ROLE

Projects included precast bridges for highway projects and commercial buildings.

Responsibilities:

- Inspected pre-cast elements for the projects, including material reviews and testing



Jacob M. Bondar
Construction Inspector

Years of Experience: 25

EDUCATION (DEGREE AND SPECIALIZATION)

ACI Certification/Sampling and Testing of Concrete (ASTM); OPS Field Construction Inspector/As-Built Drawing Profile; Environmental Compliance Awareness; Regulatory Awareness and Competence/Construction; DOT HM 126 Transportation/Hazardous Material; OSHA Construction Safety Trained; Caltrans Safety

OTHER PROFESSIONAL QUALIFICATIONS

Mr. Bondar has over twenty years of Caltrans and other agency field inspector experience. Possesses excellent written and oral communication skills. He has extensive experience in all phases of highway construction, including, safety, SWPPP issues, and environmental requirements including hazardous waste operations, plus office engineering work such as estimates, reports, change orders, QCQA and claims.

TITLE AND LOCATION

Construction Inspector, City of Whittier, La Puente, Yorba Linda, Baldwin Park and Montebello, CA - Present

BRIEF DESCRIPTION AND SPECIFIC ROLE

Multiple City construction projects including: clearing and grubbing, cold mill asphalt, concrete, pavement, pavement fabric, AC overlay and slurry, remove and replace sidewalks, curbs and gutters, access ramps, manhole/valve frame and cover to grade, loop detectors, remove and replace pavement markers and markings, reset survey monuments, storm drains, sewer lines, street widening, parking lots, irrigation and water supply, street lights, underground boring, water mains and laterals, traffic control, and public safety.

Responsibilities:

- Roadway construction inspection, including daily reports and change orders that were performed and contractors progress reports.

TITLE AND LOCATION

Construction Inspector, City of Baldwin Park, CA – 2003

BRIEF DESCRIPTION AND SPECIFIC ROLE

Multiple City construction projects including: Baldwin Park Blvd. Storm Drain Project (Approx. 25,000 LF), including excavation of Main Line Trench (22' deep x 17' wide), Shoring, Reinforced Concrete Pipe for Main Line range from 48" to 78" in diameter, construction of Manholes, Laterals, Laterals and House Connectors, Pipe Support Across Trenches, Concrete Collar and Pipe Anchors, Catch Basins, Best Management Practices (BMPs), Backfill and Compaction, and Construct Asphalt Concrete Pavement, Traffic Markings Signing and Striping, Restoration of Existing Improvements, Traffic Control and Public Safety.

Responsibilities:

- Construction inspection, daily reports, extra work bills, and monthly progress reports with photographs

TITLE AND LOCATION

Construction Inspector, State Highway 99, Merced County, Caltrans District 10 – 2002

BRIEF DESCRIPTION AND SPECIFIC ROLE

State Highway 99 in Merced County, with work including: Construction Area Signs, Water Pollution Control, Traffic Control System, Temporary Traffic Stripe, Reconstruct Three Beam Barrier, Clearing and Grubbing, Roadway Excavation, Imported Borrow, Remove and Install Crash Cushion (sand filled), Concrete Barrier (Type k), Shoulder Widening.

Responsibilities:

- Roadway Inspection for Caltrans

TITLE AND LOCATION

Construction Inspector/Safety Office

BRIEF DESCRIPTION AND SPECIFIC ROLE

Level (3) Communication long haul project.

Responsibilities:

- Ensured all sub-contractors comply with all applicable federal, state, ROW, owner, project and local rules/ regulations governing the safety of personnel, property and all environmental issues during boring, trenching and plowing operations on Cal-Trans, Union Pacific Railroad, County Roads and Bureau of Land Management properties.
- Held daily safety / hazard analysis meetings, made sure proper traffic control was set-up, all mandatory permits are on site and up to date
- Maintained daily construction/inspection and quantity reports and photographed the site on a regular basis.
- Verified depths of all utilities, wetlands, railroad tracks and road crossings in compliance with Construction Action List) and specifications

TITLE AND LOCATION

Transportation Coordinator, Caltrans, District 07, Los Angeles, CA – 1997

BRIEF DESCRIPTION AND SPECIFIC ROLE

Caltrans Century 105-Freeway Project in Los Angeles, Ca. plus over 15 other Super Fund remediation projects

Responsibilities:

- Construction Safety Officer during loading of hazardous waste into gondola railcars/ 50 plus personnel on a daily operation.

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PROJECT UNDERSTANDING/SCOPE OF SERVICES FOR CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES

The work consists of removing the existing 8", 10", and 12" VCP and constructing a new 8", 10" and 12" PVC sewer main along the following streets:

- Flaxton Street from Overland Avenue to Youngworth Road
- Whitburn Street from Overland Avenue to Drakewood Avenue
- Drakewood Avenue from Ranch Road to Flaxton Street
- Eveward Road from Bernardo Road to Ranch Road
- Blackwelder Street from La Cienega Blvd to Ballona Creek
- Smiley Drive from Fairfax Avenue to Ballona Creek
- Northgate Street from Overland Avenue to Drakewood Avenue
- Cranks Road from Hill Road north to Cul-de-sac
- Commonwealth Alley from southerly end to northerly end and to include a section between Culver Boulevard to end of Arvee Street
- Carson Street from Ince Boulevard to Higuera Street

The scope of work also includes, but is not limited to, the reconstruction of house laterals, manholes, roadway pavement, sidewalk, curb and gutter, and replacement of traffic pavement markings as specified in the plans and specifications.

The construction of the sewer improvement project is anticipated to begin May 1, 2007 with a construction duration of 180 calendar days.

THE NICKERSON COMPANY, INC.

Scope of Services Construction Management and Inspection for Culver City Sewer Replacements

Pre-Construction Phase

ITEM	DESCRIPTION	BENEFITS	DELIVERABLE	DELIVERED BY
Coordinate with Utility Companies	Meet with all utility companies that will be responsible for relocating their own lines and/or equipment. Follow-up on relocation activities until complete	Promotes understanding of responsibilities for the project schedule	Meeting agenda and minutes	Construction Manager
Photograph and Video the Site	Take Pre-Construction photos and video	Documents existing conditions in the event of site damage or other issue with claims potential	Photos, dated, with labels, and a video tape.	Inspectors
Mobilize Field Office (Upon Request)	Provide a fully equipped field office, with utilities, furniture, computers, telephones, fax, all project files, and a room for meetings	Allows all management functions to be performed at the job site, minimizing travel time	Equipped trailer	Project Manager, Construction Manager & Inspectors
Partnering (Upon Request)	Arrange a formal partnering meeting	Establishes project goals and a dispute resolution mechanism	Partnering Agreement	All Team Members
Pre-Construction Conference	Arrange a Pre-Construction Meeting. Invite all project stakeholders, and address all concerns. Review contract administration items.	Addresses all concerns before the start of construction to avoid conflicts after starting work	Meeting agenda and minutes	Construction Manager, with Inspectors Attending
Permits and Easements	Assist the City in obtaining any required permits or easements	Allows construction to begin on schedule	Permits and easements	Construction Manager

Construction Phase, Administration

ITEM	DESCRIPTION	BENEFITS	DELIVERABLE	DELIVERED BY
Weekly Progress and Schedule Meetings	Conduct weekly meetings to discuss the schedule, change orders, new issues, submittal status, RFI's, safety, deficiencies, etc.	Maintains effective communications among all stakeholders, with an official record	Meeting agenda and minutes	Construction Manager
Deficiency Log	Maintain a log of all items of work that do not comply with the contract documents. Issue Field Correction Notices to the Contractor for deficient items of work, especially failed material tests.	Reminds all parties of rejected work	Deficiency Log	Construction Manager
Process/Review & Approve Submittals	Review all submittals for completeness and constructability. Track the designers' progress in reviewing and approving submittals, or the progress of any other agency reviewing the submittals. Includes review of Traffic Handling Plan Submittals and Mix Design Submittals	Ensures that submittals are approved in a timely manner	Submittal Approval Log	Construction Manager
Track Quantities	Track quantities of completed work for payment. Track "force account" (time and materials) work, and "Extra Work Bills".	Provides a permanent record of work in place	List of Quantities for Payment	Construction Manager and Inspectors
Process Requests for Information (RFI's)	Answer the Contractor's Requests for Information (RFI's), ensure that the designer answers design RFI's	Maintains effective communications, ensures that all questions are answered and documented	RFI Replies and Log	Construction Manager
Review Contract Change Orders (CCO's)	Review CCO's proposed by the Contractor. Recommend needed CCO's. Track cash flow for CCO's. Write CCO's.	Ensures that only necessary CCO's are issued, eliminating unnecessary costs.	Logs of Potential and Issued CCO's, CCO's for City Approval	Construction Manager
Weekly Statement of Calendar Days	Issue a Weekly Statement of Calendar Days, showing days remaining, rain days, etc.	Provides an agreed upon record of all working days, eliminating disputes over working days	Weekly Statement of Calendar Days	Construction Manager
Environmental Compliance	Monitor for compliance with the applicable environmental regulations and contract requirements, such as SWPPP	Ensures compliance with environmental laws and regulations	Approved SWPPP, SWPPP Inspection Reports	Construction Manager, Inspectors
Labor Compliance	Monitor for compliance with the applicable labor laws and contract requirements, such as prevailing wage requirements. Follow Chapter 16 of the Caltans Local Assistance Procedures Manual for information.	Ensures compliance with labor laws.	Verified Certified Payrolls, Employee Wage Interviews	Construction Manager and Inspectors
Progress Payments	Review contractor's payment requests, verify completed quantities	Ensures contractor is paid only for completed, acceptable work	Certified Payment Request	Construction Manager

THE NICKERSON COMPANY, INC.

Scope of Services Construction Management and Inspection for Culver City Sewer Replacements

Construction Phase, Administration (Continued)

ITEM	DESCRIPTION	BENEFITS	DELIVERABLE	DELIVERED BY
Project Documentation	Maintain a filing system for organizing and tracking all project documentation, including correspondence, submittals, progress payments, photos, videos, and material testing reports. Review all inspection reports and photos	Meets the needs of oversight agencies. Eases retrieval of documents for dispute resolution	Electronic files, project files/logs	Construction Manager
Project Schedule	Review the contractor's baseline, monthly, and "look-ahead" submittals. Notify all parties of deviations from the schedule.	Ensures on-time completion. Provides documentation for dispute resolution	Progress Schedules, schedule correspondence	Construction Manager
ITEM	DESCRIPTION	BENEFITS	DELIVERABLE	DELIVERED BY
Permits & Easements, Utility Relocations	Continuations of these pre-construction activities	Ensures completion of these items. Promotes an on-time project completion	Permits, easements, and relocated utilities	Construction Manager
Public Relations	Be available to answer questions from the public about the project. Work with adjacent property owners and residents to resolve their concerns.	Assists the City with public relations	Answers to questions from the public	Construction Manager
Partnering and Project Coordination	Review the effectiveness of the partnering agreement. Serve as primary project point-of-contact for the City between the Contractor, Utility Companies, Survey, Material Testers, and all other Project Stakeholders. Report potential disputes to the City.	Ensures compliance with the partnering agreement. Provides coordination among multiple project stakeholders	Weekly or Monthly reports on partnering effectiveness and miscellaneous meeting agendas/minutes	Construction Manager
Safety	Review the jobsite for compliance with all applicable safety requirements. Notify the Contractor of all deficiencies. Coordinate with OSHA or other regulatory agencies for enforcement.	Ensures a safe work site for the City, Contractor, and Public	Correspondence	Construction Manager

THE NICKERSON COMPANY, INC.**Scope of Services Construction Management and Inspection for Culver City Sewer Replacements****Construction Phase, Inspection**

ITEM	DESCRIPTION	BENEFITS	DELIVERABLE	DELIVERED BY
Quality Assurance Inspection	Inspect the work to ensure compliance with the contract documents. Reject unacceptable work in writing, using the Deficiency Log. Observe the work of special inspectors when required. Check line and grade for roadway projects, trench backfill, formwork, etc. Ensure compliance with all applicable contract documents, including the "Green Book", APWA Standard Plans, City standards, and the contract plans and specifications.	Ensures that all work is in compliance with the contract and applicable Codes, with proper documentation as proof.	Daily Inspection Reports, including work in progress, weather, and labor force. Notices of Noncompliance and the Deficiency Log.	Inspectors
Progress Photos and Videos	Continue to take regular job progress photos and videos. Progress photos shall be taken daily and provided to the City electronically.	Provides proper project documentation in the event of a dispute	Pictures, labeled, with a log	Inspectors
Materials Testing	Have all materials tested for compliance with the contract documents. Receive and file required Certificates of Compliance. Coordinate with Caltrans for testing on projects within Caltrans ROW regarding material releases and other testing requirements. Ensure that testers maintain applicable certifications	Satisfies oversight agency requirements. Ensures that materials comply with the contract	Files of material test reports and certificates of compliance	Construction Manager and Inspectors
Public Relations and Inter-Agency Coordination	Ensure that the Contractor complies with the noise level, dust mitigation, and working hour requirements of the contract. Coordinate with Inspectors from other jurisdictions.	Ensures that the project is a "good neighbor", and minimizes complaints. Satisfies requirements of other jurisdictions who are project stakeholders	Documentation on working hours and noise levels. Notes in Daily Reports on coordination with other agencies	Construction Manager and Inspectors
Traffic Control	Inspect the Contractor's traffic control systems. Verify that they meet the requirements of the contract document, which may include the WATCH Manual, contract plans, contractor submittals, and the Manual of Uniform Traffic Control Devices. Review detours daily, and document the detour in Daily Reports and photos.	Ensures safe traffic control in compliance with the contract documents. Provides documentation that will be needed in the event of an accident. Satisfies oversight agencies	Daily Inspection Reports, photographs	Inspectors
Pre-cover Inspection	Inspect the underground and overhead utilities with Maintenance & Service Personnel before they are covered	Reduces maintenance service costs	Report & photos	Construction Manager & Inspector

THE NICKERSON COMPANY, INC.**Scope of Services Construction Management and Inspection for Culver City Sewer Replacements****Post Construction Phase**

ITEM	DESCRIPTION	BENEFITS	DELIVERABLE	DELIVERED BY
Final Inspection	Conduct a final inspection/walk through including maintenance & service personnel. Issue a preliminary and a final punchlist, with a schedule for punchlist completion. Final sign off of required permits	Ensures that all work is in compliance with the contract, with proper documentation as proof.	Punchlists and Notice of Completion	Construction Manager and Inspector
Notice of Completion	Assist in filing the Notice of Completion and a Project Final Report for projects within the Caltrans ROW.	Establishes the lien period and payment retention period	Controls costs	Construction Manager & Inspector
"As-Built" Drawings	Maintain red line drawings, submit them to the designer, reviews completed as-builts	Provides documentation for changes to the plans, a permanent record.	"As-Built" red line drawings	Construction Manager & Inspectors
Operation Manuals, Warranties, Lien Releases, Guarantees, Affidavits, Waivers	Receive all required project completion documentation from the Contractor. This includes lien waivers and required releases.	Ensures contract requirements are met for these close-out submittals. Identifies extended equipment warranties	Manuals, warranties, lien releases, etc.	Construction Manager
Final Payment Request, Certificate of Completion, Project Report	Process the contractor's final payment request, issue a Certificate of Completion, and a Project Final Report	Provides proper documentation of project completion.	Final payment request, Certificate of Completion, Final Project Report	Construction Manager
Dispute Resolution	As requested, provide assistance in resolving any outstanding disputes. This includes claims documentation, negotiations, and litigation support	Ensures that claims are resolved quickly and fairly	Claims briefs, negotiation and litigation/arbitration support	Construction Manager
Project Files	Deliver all project files including photographs	Provides a permanent project record, electronically and in files	Project files, including electronic files.	Construction Manager



DAILY REPORT

Project No.

P- 843

Report No.: 5

Date: 9/20/2006

M T W T F S S

Shift hrs: Start 7:30 To 17:00

Contractor: Shawnan (S)

Subcontractor(s): Traffic Systems (TS) & Sawcutting Tech (ST)

Location : Washington bet. Sepulveda to Center

Description of Operation: Constructing forms for C/G & DWY Apron; Preparing subgrade for long gutter.

Personnel		Bid Item No. / Hours Worked						Weather	Rain
									65
Prime/Sub	Name	3	10	11	12	14		Classification Laborer/Operator/Foreman	(i.e.)
Prime	Dan Howard	8						Foreman (S)	
"	Jeff First	8						Operator (S)	
"	John Second			8				Laborer (S)	
"	Alex Third			8				Laborer (S)	
"	Mike Fourth		2		2	4		Apprentice	
Sub1	Kobe Bryant							Foreman (TS)	
"	Alan Iverson							Laborer (TS)	
Sub2	Shaq Oneil							Foreman (ST)	
"	Dwayne Wade							Laborer (ST)	

Additional Personnel: None

Bid Item No.	Quantity	Description/Special Notes
10,11, & 12	--	Constructed Form at Center Street
14	--	Compacted subgrade. Not finished.
3	--	Raised median at Washington Bl & Washington Pl.
Traffic Control:		Right lane closed EB from Sepulveda to Center St at 9:00 a; opened right lane at 3:00 p.

Notified Foreman of missing construction ahead signs and lane closed ahead signs.

Miscellaneous:

Accident westbound Washington @ Huron at 10:00 a.

Hours worked:

8.0

Signature: Vern Nickerson

Title: Senior Inspector

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CLAIM HISTORY

The Nickerson Company, Inc. has had no claims during the last five (5) years.

DATE (MM/DD/YY)
7/11/2006

La Meets, CA 91541

Los Angeles, CA 90045

USF Insurance Company
USF Insurance Company

INSURERS AFFORDING COVERAGE

212

LG8GL51171

1171

CRIMES MADE IN OCCUR

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GOVT. ACCREDITED UNIT APPLIES PER

PROJECT	LOC
POWERY	

AUTOMOBILE LIABILITY

included in above policy

7/1/2006

3512007

COMBINED SECTILE UNIT
This combined

1,000,000

ALL OWNED UNITS

SCHEDULED AUTOS

WANTED AUTOS

NON OWNED AUTOS

GARAGE LIABILITY

THE JURY

EXCESS LIABILITY

00000000

CLAIMS MADE

DEDUCTIBLE

RETIREMENT

WORKING WITH CREATIVITY IN THE COMPUTERS' UNBILITY

OTHER

DESCRIPTION OF OPERATIONS, LOCATION, SPECIAL EXCLUSIONS ADDED BY ENDORSEMENT SPECIAL PROVISIONS

Certificate Holder to be named as an additional insured

☒ ADDITIONAL INSURED: INSURER LETTER

CANCELLATION

City of Culver City
9770 Culver Blvd.
Culver City, CA 90232-0507

ACORD 25-S (7/97)

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY FOR ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

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RESEARCH

Lloyds of London

WISCONSIN AFFIRMING COVERAGE

COVERAGES

POLICIES OF INSURANCE LISTED HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

POLICY NUMBER	EFFECTIVE DATE	EXPIRATION DATE	AGGREGATE LIMITS	
			PER PERSON INJURED	PER ACCIDENT

STUDY ON THE EFFECTS OF THE 1997-1998 EAST ASIAN FINANCIAL CRISIS ON THE ECONOMIC GROWTH OF SOUTH KOREA

30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

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ACORD**CERTIFICATE OF LIABILITY INSURANCE**DATE(MM/DD/YYYY)
March 14, 2007PRODUCER
PAYCHEX AGENCY
150 SAWGRASS DRIVE
ROCHESTER, NY 14620Phone (677) 352-6785
Fax (877) 677-0447THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION
ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE
HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR
ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.INSURED
NICKERSON COMPANY INC.
8921 S. SEPULVEDA BLVD
LOS ANGELES, CA 90045

INSURERS AFFORDING COVERAGE

NAIC #

INSURER A: Travelers Indemnity Co of CT

INSURER B:

INSURER C:

INSURER D:

INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
		GENERAL LIABILITY ☐ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☐ OCCUR ☐ ☐ GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PROJECT ☐ LOC				EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$
		AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS ☐ ☐				COMBINED SINGLE LIMIT \$ (Ea accident) BODILY INJURY \$ (Per person) BODILY INJURY \$ (Per accident) PROPERTY DAMAGE \$ (Per accident)
		GARAGE LIABILITY ☐ ANY AUTO ☐				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
		EXCESS/UMBRELLA LIABILITY ☐ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☐ RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Yes If yes, describe under SPECIAL PROVISIONS below: OTHER	UB6760C834	07/03/2006	07/03/2007	☒ WC STATU- ☐ OTHER TORY LIMITS E.L. EACH ACCIDENT \$100000 E.L. DISEASE - EA EMPLOYEE \$100000 E.L. DISEASE - POLICY LIMIT \$500000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

NICKERSON, VERNON IS AN EXCLUDED OFFICER ON THIS WORKERS' COMPENSATION POLICY.

RE: SEWER REPLACEMENT PROJECTS

CERTIFICATE HOLDERCITY OF CULVER CITY
ATTN: MR. LEE TORRES
ENGINEERING DEPARTMENT
9770 CULVER BOULEVARD
CULVER CITY, CA 90232**CANCELLATION**SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE
EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30
DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT
FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE
INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE: KARA MOORE

