

SPECIFICATION AND CONTRACT DOCUMENTS
FOR
CITY OF MANHATTAN BEACH, CALIFORNIA

Section 2 Concrete Repair And Miscellaneous Slurry Project
Bid No. 990-14



Completion: **45** Working Days
Select areas due by **August 15, 2014**

Amy Howorth, Mayor

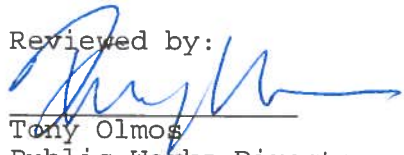
PUBLIC WORKS DEPARTMENT
1400 Highland Avenue
Manhattan Beach, California 90266
Telephone: (310) 802-5310

PROJECT MANAGERS:

Juan Price, Maintenance Superintendent
Rick Dozal, Maintenance Supervisor
Carl W. Blank, Public Works Inspector



Reviewed by:


Tony Olmos
Public Works Director

CITY OF MANHATTAN BEACH
SPECIAL PROVISIONS

<u>Section</u>	<u>Subsection</u>	<u>Description</u>
Part 1		<u>General Provisions</u>
	1	Terms, Definitions Abbreviations & Symbols
	2	Scope and Control of Work
	3	Changes in the Work
	4	Control of Materials
	5	Utilities
	6	Prosecution Progress & Acceptance of Work
	7	Responsibilities of the Contractor
	8	Facilities and Agency Personnel
	9	Measurement and Payment
	10	Special Project Site Maintenance and Public Convenience and Safety
Part 2		<u>Construction Materials</u>
<u>201</u>		<u>Concrete Mortar and Related Materials</u>
	201-1	Portland Cement Concrete
	201-1.1	Requirements
	201-1.1.1	General
	201-1.1.2	Concrete Specified by Class
<u>203</u>		<u>Bituminous Materials</u>
	203-6	Asphalt Concrete
	203-6.1	General
Part 3		<u>Construction Methods</u>
<u>300</u>		<u>Concrete Pavement</u>
	300-1.3.2(b)	Concrete Pavement
	300-1.3.2(c)	Concrete Curb, Walk, Gutters, Cross Gutters, Driveways and Alley Intersections
<u>302-5</u>		<u>AC Pavement</u>
	303-5.2.3	Removal and Disposition of Materials
	303-5.4	Tack Coat
<u>303-4</u>		<u>Masonry Construction</u>
	303-4.1	Concrete Block Masonry
	303-4.1.1	General
	303-4.2	Brick Masonry
	303-4.2.1	Materials
<u>303-5</u>		<u>Concrete Curbs, Walks, Gutters, X-gutters, Alley Intersections, Access Ramps & Driveways</u>
	303-5.1	Requirements
	303-5.1.1	General
	303-5.6	Curing
	303-5.10	Removal and Disposition of Material
	306-1.3	Backfill and Densification
	306-1.3.1	General
	306-1.3.4	Compaction Requirements
	306-1.5	Trench Resurfacing
	306-1.5.1	Temporary Resurfacing
	306-1.5.2	Permanent Resurfacing
	306-1.6	Basis of Payment for Open Trench Installation
	306-7	Curb Drains

*Addition - Not covered in the Green Book.

**Caltrans Standard Specifications, Section 86

SPECIAL PROVISIONS
(Continued)

<u>Section</u>	<u>Subsection</u>	<u>Description</u>
<u>308</u>		<u>Landscape and Irrigation Installation</u>
	308-4	Planting
	308-4.5	Tree & Shrub Planting
	* 308-4.9.6	Hydroseeding
	308-5	Irrigation System Installation
	308-5.6	Flushing & Testing
	308-5.6.1	Flushing Main Line (Irrigation)
	308-6	Maintenance & Plant Establishment
	308-7	Guarantee

*Addition - Not covered in the Green Book.

**Caltrans Standard Specifications, Section 86

CITY OF MANHATTAN BEACH
PROJECT SPECIFICATIONS

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CITY OF MANHATTAN BEACH
STATE OF CALIFORNIA

NOTICE TO CONTRACTORS

* * * *

SEALED PROPOSALS will be received at the office of the City Clerk, City Hall, City of Manhattan Beach, California, until 11:00 a.m. on June 26, 2014, at which time they will be publicly opened and read, for performing work as follows:

Section 2 Concrete Repair And Miscellaneous Slurry Project

No bid will be received unless it is made on a proposal form furnished by the Engineer. Each bid must be accompanied by (cash, certified or cashier's check, or bidder's bond) made payable to the City of Manhattan Beach for an amount equal to at least ten percent (10%) of the amount bid, such guaranty to be forfeited should the bidder to whom the contract is awarded fail to enter into the contract.

Notice is hereby given that the Director of the Department of Industrial Relations, State of California, has ascertained the prevailing rates of per diem wages as evidenced in most recent edition of State of California, Department of Transportation, Business, Transportation and Housing Agency, General Prevailing Wage Rates Schedule, in the locality in which the work is to be done, for each craft or type of workman or mechanic needed to execute the contract in accordance with the provisions of Section 1770 to 1781 of the Labor Code; said prevailing rates are on file in the Office of the City Clerk and are incorporated herein by reference.

In accordance with Section 1776 of the Labor Code as amended, the Contractor shall submit a certified copy of the complete project payroll record to the Engineer, prior to final acceptance of the contract work.

The Contractor shall, in the performance of the work and improvements, conform to the Labor Code and other laws of the State of California and the laws of the Federal Government of the United States applicable thereto.

The Contractor's attention is directed to Section 14311.5 of the Government Code concerning projects involving federal funds and failure of bidder or Contractor to be properly licensed.

All bids are to be compared on the basis of the Engineer's Estimate of the quantities of work to be done. The City reserves the right to delete any bid item(s) prior to award if it is in the City's best interests to do so.

No contract will be awarded to a Contractor who has not been licensed in accordance with the provisions of Chapter 9, Division III, of the Business and Professions Code.

Each bidder shall also submit with his proposal a List of Subcontractors and Contractor's Questionnaire as required in the contract documents.

Plans may be seen and forms of proposal, bonds, contract, and specifications may be obtained at the City of Manhattan Beach City Hall, 1400 Highland Avenue, Manhattan Beach, California. A non-refundable deposit for the plans and specifications may be charged as determined by the Engineer. **CITY STAFF HIGHLY RECOMMENDS THAT ALL PROSPECTIVE BIDDERS PERFORM AN ON SITE INSPECTION/JOB WALK OF LISTED**

REPAIR LOCATIONS PRIOR TO SUBMITTING THEIR PROPOSALS.

The special attention of prospective bidders is called to Section I, PROPOSAL REQUIREMENTS, for full direction as to bidding, etc.

The City of Manhattan Beach reserves the right to reject any or all bids.

Dated: June 6, 2014

____/s/ Liza Tamura____
LIZA TAMURA, City Clerk
City of Manhattan Beach

PART 1

PROPOSAL REQUIREMENTS

Proposal Requirements

(a) General Information

The City Clerk of the City of Manhattan Beach, California, will receive at its office at the City Hall, 1400 Highland Avenue, Manhattan Beach, California, until 11:00 a.m. on June 26 , 2014 , sealed proposals for:

Section 2 Concrete and Miscellaneous Slurry Project

per the Specifications prepared thereof, which are on file with the Public Works Department.

(b) Examination of Plans, Specifications, Special Provisions, and Site of Work

The Bidder is required to examine carefully the site of work and the proposal plans, specifications, and contract forms for the work contemplated, and it will be assumed that the bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and quantities of work to be performed and materials to be furnished, and as to the requirements agreed that submission of a proposal shall be considered prima facie evidence that the bidder has made such examination.

(c) Proposal Form

All proposals must be made upon blank forms to be obtained from the Public Works Department in the City Hall. All proposals must give the prices proposed, both in writing and figures, and must be signed by the bidder, with his address. If the proposal is made by an individual, his name and post office address must be shown. If made by firm or partnership, the name and post office address of each member of the firm or partnership must be shown. If made by corporation, the proposal must show the name of the state under the laws of which the corporation was chartered and the names, titles, and business addresses of the president, secretary, and treasurer. Each bidder shall also submit with his proposal a List of Subcontractors and Contractor's Questionnaire as required and referred to in the contract documents.

(d) Rejection of Proposals Containing Alterations, Erasures or Irregularities

Proposals may be rejected if they show any alterations of form, additions not called for, conditional or alternative bids, incomplete bids, erasures, or irregularities of any kind.

Each Contractor shall base his bid on furnishing and installing all items exactly as shown on the contract drawings and as described in the contract specifications. The successful Contractor will not be authorized to make any materials substitutions or changes in plans and/or specifications on his own initiative, but in each and every instance must procure written authorization from the Engineer before installing any work in variance with the contract requirements.

(e) Interpretation of Contract Documents

If any person contemplating submitting a bid on this project is in doubt as to the true meaning of any part of the plans, specifications, or other sections of the contract documents, he may submit to the Engineer a written request for interpretation thereof. The person submitting the request will be responsible for its prompt delivery. Any interpretation of the contract documents including the plans and specifications will be made by addendum duly issued or delivered by the Engineer to each person receiving a set of said documents. The Engineer will not be responsible for any other explanations or interpretations of the contract documents.

(f) Bidder's Guaranty

All bids shall be presented under sealed cover and shall be accompanied by cash, cashier's check, certified check, or bidder's bond, made payable to the City of Manhattan Beach, for an amount equal to at least ten percent (10%) of the amount of said bid, and no bid shall be considered unless such cash, cashier's check, certified check, or bidder's bond is enclosed therewith.

(g) Award of Contract

The award of the contract, if it be awarded, will be to the lowest responsible bidder whose proposal complies with all the requirements described. The award, if made, will be made within sixty (60) days after the opening of the bids. All bids will be compared on the basis of the Engineer's estimate of quantities of work to be done. *See Paragraph (k) below.

As scheduled, bids will be opened at 11:00am June 26, 2014. The lowest responsible bidder, upon notification of such by the City no later than 9:00am June 27, 2014, is hereby instructed to have three (3) original copies of all contract documents completed (signed, notarized, insurance endorsements attached, etc.) and submitted to the City no later than Noon July 3, 2014.

Failure to meet the submittal requirement may result in rejection of the Contractors bid as non-compliant and the City would then engage the second lowest responsible bidder. City intends to present the contract for award at the regular City Council meeting July 15, 2014. The meeting will be held at 6:00pm in the City Council Chambers located at 1400 Highland Avenue, Manhattan Beach CA 90266.

A pre-construction meeting is scheduled for July 16, 2014, with a Notice to Proceed scheduled to be issued July 21, 2014.

(h) Execution of Contract

The contract shall be signed by the successful bidder and returned, together with the contract bonds, within ten (10) days, not including Sundays, after the bidder has received notice that the contract has been

awarded. No proposal shall be considered binding upon the City until the execution of the contract.

Failure to execute a contract and file acceptable bonds as provided herein within ten (10) days, not including Sundays, after the bidder has received notice that the contract has been awarded, shall be just cause for the annulment of the award and the forfeiture of the proposal guaranty.

(i) Return of Bidder's Guaranties

Within ten (10) days after the award of the contract, the City Clerk will return the proposal guaranties accompanying such proposals which are not to be considered in making the award. All other proposal guaranties will be held until the contract has been finally executed, after which they will be returned to the respective bidders whose proposals they accompany.

(j) Contractor's Questionnaire

The Contractor shall complete the questionnaire form that accompanies the proposal and submit the information with his proposal. Failure to complete the questionnaire shall render a bid non-responsive.

(k) Owner's Right to Award Contract

The Owner reserves the right to reject any or all bids, to waive any irregularities or informalities and to award contract as may best serve the interests of the City of Manhattan Beach.

CONTRACTOR'S PROPOSAL

To the City Council of the City of Manhattan Beach:

The undersigned declares that he has carefully examined the location of the proposed work, that he has examined the plans and specifications and read the accompanying proposal requirements, and hereby proposes to furnish all materials and do all the work required to complete said work prior to or upon the expiration of 45 total working days in accordance with Standard Drawings ST-1, ST-2, ST-10, APWA Curb Ramp Drawing 111-3 pages 1-10, Specifications and Special Provisions, for the unit price or lump sum as set forth in the following schedule:

ITEM	DESCRIPTION Install	QUANT	UNIT PRICE	TOTAL COST
Section 2 Concrete Repair And Miscellaneous Slurry				
1	4" Sidewalk	31,913 SF	\$ 5.00	\$ 159,565.00
2	6" Driveway	7920 SF	\$ 6.00	\$ 47,520.00
3	6" Street (per ST-10)	500 SF	\$ 6.00	\$ 3,000.00
4	6" Curb and Gutter	4250 LF	\$ 35.00	\$ 148,750.00
4(a)	6" X 6" mow strip (Pacific School)	161 LF	\$ 25.00	\$ 4,025.00
5	8" Curb and Gutter	1270 LF	\$ 40.00	\$ 50,800.00
6	8" Cross Gutter/ Spandrel- High Early Strength PCC)	1782 SF	\$ 14.00	\$ 24,948.00
7	6" AC - Non Specified	10 TN	\$ 200.00	\$ 2,000.00
8	ADA Access Ramp	2 EA	\$ 3,000.00	\$ 6,000.00
9	Type II Slurry PMQCS-1h 2.5%	450 ELT	\$ 400.00	\$ 180,000.00
10	Seal Coat at School Playground Sites (includes playground striping)	314,792 SF	\$ 0.40	\$ 125,916.80
11	Racquet Sports Court MBMS Plexipave resurfacing system	14,567 SF	\$ 1.00	\$ 14,567.00
12	Two-Way Yellow Reflective Stimsonite High Performance (Model 980) Or approved equal	340 EA	\$ 5.00	\$ 1,700.00
13	Blue Reflective Hydrant Marker Stimsonite High Performance (Model 980) Or approved equal	12 EA	\$ 15.00	\$ 180.00
	Street Pavement Markings			
14	Double Yellow	5791 LF	\$ 2.00	\$ 11,582.00
15	4" Solid White	132 LF	\$ 3.00	\$ 396.00
16	KEEP CLEAR	2 EA	\$ 450.00	\$ 900.00
17	STOP LEGEND thermo	26 EA	\$ 200.00	\$ 5,200.00

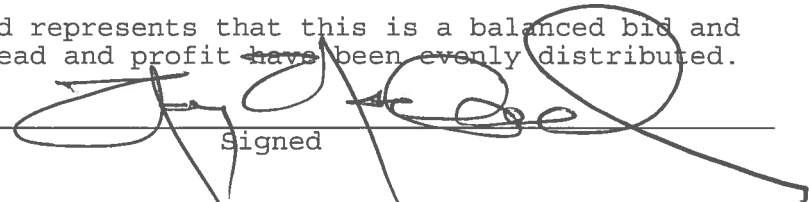
18	12" STOP Bar Thermo	408 LF	\$ 3. ⁰⁰	\$ 1,224. ⁰⁰
19	CLEAR BAR 12" Thermo	38 LF	\$ 5. ⁰⁰	\$ 190. ⁰⁰
20	Crosswalk Yellow (per bar) thermo per (ST-27)	200 EA	\$ 50. ⁰⁰	\$ 10,000. ⁰⁰
21	SCHOOL XING thermo	10 EA	\$ 420. ⁰⁰	\$ 4,200. ⁰⁰
22	SLOW SCHOOL XING thermo	15 EA	\$ 600. ⁰⁰	\$ 9,000. ⁰⁰
23	STOP AHEAD thermo	2 EA	\$ 420. ⁰⁰	\$ 840. ⁰⁰
24	DIP thermo	3 EA	\$ 160. ⁰⁰	\$ 480. ⁰⁰
25	INTN'L ARROW RIGHT thermo	2 EA	\$ 100. ⁰⁰	\$ 200. ⁰⁰
26	Stall marker "T's" thermo (on Peck Ave)	20 EA	\$ 50. ⁰⁰	\$ 1,000. ⁰⁰
	School Parking Lots			
27	Pavement markings install	Lump sum	\$ 20,000. ⁰⁰	\$ 20,000. ⁰⁰
Removals				
28	4" Sidewalk	31,913 SF	\$ 3. ⁰⁰	\$ 95,739. ⁰⁰
29	6" Driveway	7920 SF	\$ 4. ⁰⁰	\$ 31,680. ⁰⁰
30	6" Roadway	500 SF	\$ 4. ⁰⁰	\$ 2,000. ⁰⁰
31	6" Curb and Gutter	4250 LF	\$ 20. ⁰⁰	\$ 85,000. ⁰⁰
32	8" Curb and Gutter	1270 LF	\$ 25. ⁰⁰	\$ 31,750. ⁰⁰
33	8" Cross Gutter/Spandrel	1782 SF	\$ 9. ⁰⁰	\$ 16,038
34	6" AC-Non Specified	10 TN	\$ 100. ⁰⁰	\$ 1,000. ⁰⁰
35	ADA Access Ramp	2 each	\$ 1,200. ⁰⁰	\$ 2,400. ⁰⁰
36	Remove Pavement Markings, including RPM	Lump Sum	\$ 20,000. ⁰⁰	\$ 20,000. ⁰⁰
TOTAL ITEMS 1 - 43			\$ 1,119,790. ⁸⁰	

Total Bid Cost: \$ 1,119,790.⁸⁰

Total Bid Cost in Writing: \$ One Million, One Hundred Nineteen Thousand, Seven Hundred Ninety Dollars and Eighty Cents

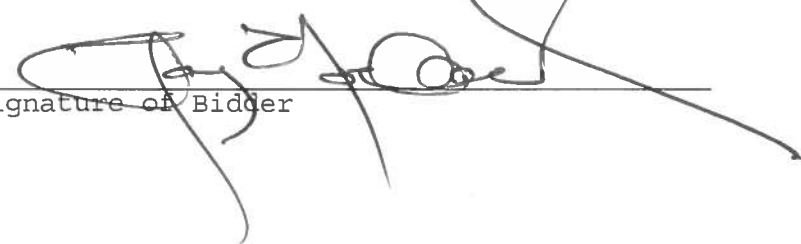
The undersigned represents that this is a balanced bid and

The undersigned represents that this is a balanced bid and that the overhead and profit have been evenly distributed.


Signed

The undersigned further agrees that in case of default in executing the required contract, with necessary bonds, within ten (10) days, not including Sunday, after having received notice that the contract is ready for signature, the proceeds of the check or bond accompanying his bid shall become the property of the City of Manhattan Beach.

Licensed in accordance with an act providing for the registration of Contractors, License No. 359622.


Signature of Bidder

President
Title

(If an individual, so state. If a firm or co-partnership, state the firm name and give the names of all individuals copartners composing the firm. If a corporation, state legal name of corporation, also names of president, secretary, treasurer, and manager thereof.)

NOBEST INC, Nobest Inc.
(Name of Company or Corporation)
LARRY NODLAND - PRESIDENT
ROBERT NODLAND - SEC
7600 Acacia Ave.
(Address)
Garden Grove, Ca 92841
(City) (State) (Zip)

Dated: 6-26-14, 2014.

CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

State of California

County of Orange

On 6-26-14 before me, Kay E. Anderson/Notary Public
(Here insert name and title of the officer)

personally appeared Larry Nodland

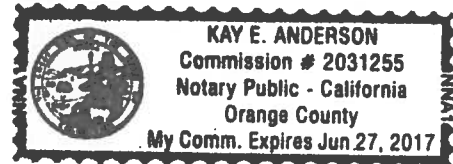
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Kay E. Anderson
Signature of Notary Public

(Notary Seal)



ADDITIONAL OPTIONAL INFORMATION

INSTRUCTIONS FOR COMPLETING THIS FORM

Any acknowledgment completed in California must contain verbiage exactly as appears above in the notary section or a separate acknowledgment form must be properly completed and attached to that document. The only exception is if a document is to be recorded outside of California. In such instances, any alternative acknowledgment verbiage as may be printed on such a document so long as the verbiage does not require the notary to do something that is illegal for a notary in California (i.e. certifying the authorized capacity of the signer). Please check the document carefully for proper notarial wording and attach this form if required.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he/she/they~~, is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages _____ Document Date _____

(Additional information)

CAPACITY CLAIMED BY THE SIGNER

- Individual (s)
- Corporate Officer
President
(Title)
- Partner(s)
- Attorney-in-Fact
- Trustee(s)
- Other _____

STATISTICAL INFORMATION ON CONTRACTOR

Firm/Organization Information Form

INSTRUCTIONS: All proposers or bidders responding to this solicitation must return this form for proper consideration of their proposal or bid. **The information requested below is for statistical purposes only.** On final analysis and consideration of award, a proposer/bidder will be selected without regard to gender, race, creed, or color. Categories listed below are based upon those described in 49 CFR §23.5.

TYPE OF BUSINESS ENTITY: Corporation
 (Corporation, Partnership, Joint Venture, Sole Proprietorship, etc.)

TOTAL NUMBER OF EMPLOYEES IN FIRM (including owners): 48

CULTURAL/ETHNIC COMPOSITION OF FIRM: (Owners, Partners, Associate Partners, Managers, Staff, etc.).
 Please break down the total number of employees in your firm into the following categories:

	OWNERS/PARTNERS/ ASSOCIATE PARTNERS	MANAGERS	STAFF
Black/African American			
Hispanic/Latin American		6	33
Asian American			
American Indian/Alaskan Native			
All Others	2	1	6

Based upon the categories above, please indicate the total number of men and women in your firm:

Men			
Women			

PERCENTAGE OF OWNERSHIP IN FIRM Please indicate by percentage (%) how the ownership of the firm is distributed:

	Black/African American	Hispanic/Latin American	Asian American	American Indian/Alaskan Native	All Others
Men	%	%	%	%	%
Women	%	%	%	%	%

CERTIFICATION AS MINORITY, WOMEN, DISADVANTAGED, AND DISABLED VETERANS BUSINESS ENTERPRISE Is your firm currently certified as a minority, women-owned, disadvantaged or disabled veterans business enterprise by a public agency? (If yes, complete the following and attach a copy of your notice of certification.) YES _____ NO

Agency _____ Expiration Date _____
 Agency _____ Expiration Date _____
 Agency _____ Expiration Date _____
 Agency _____ Expiration Date _____

FIRM NAME: NOBEST INC

SIGNED: [Signature] **TITLE:** PRESIDENT

DATE: 6-26-14

NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND
SUBMITTED WITH BID

State of California)
County of ORANGE) ss.

I, Larry Nodland, being first duly sworn, deposes and says that he

or she is President of Nobest Inc. the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Bidder Nobest Inc.
By [Signature]
Title President
Organization _____
Address 7600 Acacia Ave., Garden Grove, Ca 92841

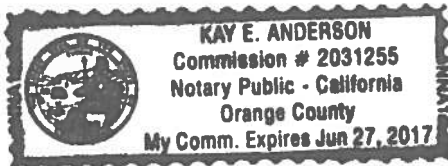
Subscribed and sworn to before me this 26 day of JUNE 2014

[Notarial Seal]

[Signature: Kay E. Anderson]

Notary Public in and for the State of

My commission expires June 27, 2017



CONTRACTOR'S QUESTIONNAIRE

TO THE CITY COUNCIL OF THE CITY OF MANHATTAN BEACH, CALIFORNIA:

Re: Section 2 Concrete Repair and Miscellaneous Slurry Project

Submitted by NOBEST INC. 92841

Principal Office 7600 ACACIA AVE. GARDEN GROVE. CA

Telephone (714) 892-5583

Type of Firm: Corporation Co-Partnership Individual

Contractor's License No. 359622

If a corporation, answer these questions:

Date of incorporation 4-78

State of incorporation California

President's name Larry Nodland

Vice President's name _____

Secretary or Clerk's name Robert Nodland II

Treasurer's name Larry Nodland

If a co-partnership, answer these questions:

Date of organization _____

Name and Address of all partners _____

Number of years experience as a Contractor in construction work 36 years

List the major projects of a similar nature your organization is currently working on and/or has completed in the past five years.

_____ Phone: _____

see attached _____ Phone: _____

_____ Phone: _____

_____ Phone: _____

NOBEST INCORPORATED

REFERENCE LIST

Page 1

No. 1

Project Name/Number: Annual Concrete Maintenance Program

Project Description: R&R Concrete Sidewalk, Drive Approaches, Curb Ramps, Curb & Gutter

Approximate Construction Dates: From 2/1/13 To: Present

Agency Name: City of Huntington Beach

Contact Person: Dereck Livermore Telephone: (714) 960-8861

Original Contract Amount: \$500,000 Final Contract Amount: In Progress

No. 2

Project Name/Number: Central Balboa & Newport Heights Alley St. Replacement

Project Description: Remove and Replace Concrete Alleys, Streets, Curb & Gutters, Sidewalk, Curb Ramps

Approximate Construction Dates: From: 1/2013 To: Present_____

Agency Name: City of Newport Beach

Contact Person: Mike Sinacori Telephone: (949) 644-3342

Original Contract Amount: \$1,320,000 Final Contract Amount: \$ 1,101,688_____

NOBEST REFERENCE LIST

Page 2

No. 3

Project Name/Number: Maintenance Service Agreement

Project Description: Remove and Replace Concrete at Various Locations

Approximate Construction Dates: From: 7/1/12 To: Present

Agency Name: City of Westminster

Contact Person: Todd Miller Telephone: (714) 681-3020

Original Contract Amount: \$345,000 Final Contract Amount: In Progress

No. 4

Project Name/Number: Reconstruction of Aulney Lane

Project Description: Remove & Replace Concrete Sidewalk, Drive Approaches, Curb Ramps, Curb & Gutter

Approximate Construction Dates: From: 10/2012 To: 1/2013

Agency Name: City of Huntington Beach

Contact Person: Joseph Dale Telephone: (714) 536-5915

Original Contract Amount: \$478,569 Final Contract Amount: \$ 478,569

NOBEST REFERENCE LIST

Page 3

No. 5

Project Name/Number: La Cuarta Street Reconstruction

Project Description: Concrete Construction, Asphalt Overlay, Water Line Replacement

Approximate Construction Dates: From: 6/2011 To: 9/2011

Agency Name: City of Whittier

Contact Person: Kyle Cason Telephone: (562) 567-9511

Original Contract Amount: \$1,022,001 Final Contract Amount: \$ 1,022,001

No. 6

Project Name/Number: Old Town Resurfacing Program

Project Description: R&R Concrete Sidewalks, Alleys, Curb & Gutter

Approximate Construction Dates: From: 4/2010 To: 11/2010

Agency Name: City of Seal Beach

Contact Person: David Spitz Telephone: (562) 431-2527

Original Contract Amount: \$1,500,000 Final Contract Amount: \$ 1,730,000

LIST OF SUBCONTRACTORS

The Bidder is required to fill in the following blanks in accordance with the provisions of the Subletting and Subcontracting Fair Practices Act (Chapter 2 of Division 5, Title 1 of the Government Code of the State of California) and should familiarize himself with Section 2-3 of the Standard Specifications.

Name Under which Subcontractor is Licensed	License Number	Address of Office, Mill or Shop	Specific Description of Subcontract
<u>PCI</u>	<u>823802</u>	<u>Long beach</u>	<u>Seal Coat & Striping</u>
<u>Taylor Tennis Courts</u>	<u>373423</u>	<u>Anaheim</u>	<u>Tennis Court Resurface</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Subcontractors listed in accordance with the provisions of Section 2-3 must be properly licensed under the laws of the State of California for the type of work which they are to perform. Do not list alternate subcontractors for the same work.

BIDDER'S BOND TO ACCOMPANY PROPOSAL

KNOW ALL MEN BY THESE PRESENTS,

That we, Nobest Incorporated, as principal, and Merchants Bonding Company (Mutual), as surety are held and firmly bound unto the City of Manhattan Beach in the sum of

Ten Percent of Amount Bid Dollars, (\$10% of Amount Bid), to be paid to the said City or its certain attorney, its successors and assigns; for which payment, well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors or assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH,

That if the certain proposal of the above bounden Nobest Incorporated

to construct Section 2 Concrete Repair and Miscellaneous Slurry Project dated June 26th, 2014 is accepted by the City of Manhattan Beach, and if the above bounden

Nobest Incorporated,

his heirs, executors, administrators, successors and assigns, shall duly enter into and execute a contract for such construction, and shall execute and deliver the two bonds described within ten days (not including Sunday) from the date of the mailing of a notice to the above bounden Nobest Incorporated by and from the said City of Manhattan Beach that said contract is ready for execution, then this obligation shall become null and void; otherwise it shall be and remain in full force and virtue; provided, however, that if Principal shall, prior to the mailing of a notice of being awarded the contract notify City of its unwillingness to perform under its bid submittal or request relief from its bid without legal justification, City shall be relieved of any obligation to formally award the contract to Principal and City's rights hereunder shall not be affected by its failure to formally award the contract.

IN WITNESS WHEREOF, we hereunto set our hands and seals this day of

June 23rd, 2014.

Nobest Incorporated

LARRY REDWOOD - PRES.
Merchants Bonding Company (Mutual)

Arturo Ayala, Attorney-in-Fact

CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

State of California

County of Orange

On 6-26-14 before me, Kay E. Anderson/Notary Public
(Here insert name and title of the officer)

personally appeared Larry Nodland

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Kay E. Anderson
Signature of Notary Public

(Notary Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages _____ Document Date _____

(Additional information)

CAPACITY CLAIMED BY THE SIGNER

- Individual (s)
- Corporate Officer
President
(Title)
- Partner(s)
- Attorney-in-Fact
- Trustee(s)
- Other _____

INSTRUCTIONS FOR COMPLETING THIS FORM

Any acknowledgment completed in California must contain verbiage exactly as appears above in the notary section or a separate acknowledgment form must be properly completed and attached to that document. The only exception is if a document is to be recorded outside of California. In such instances, any alternative acknowledgment verbiage as may be printed on such a document so long as the verbiage does not require the notary to do something that is illegal for a notary in California (i.e. certifying the authorized capacity of the signer). Please check the document carefully for proper notarial wording and attach this form if required.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he/she/they~~, is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document

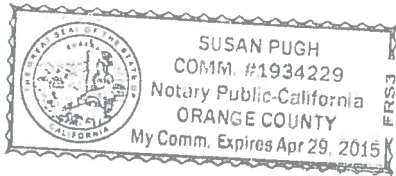
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

STATE OF CALIFORNIA

County of Orange

On 6/23/14 before me, Susan Pugh, Notary Public,
Date Here Insert Name and Title of the Officer

personally appeared Arturo Ayala
Name(s) of Signer(s)



Place Notary Seal Above

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.

Signature Susan Pugh
Signature of Notary Public Susan Pugh

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Bid Bond

Document Date: 6/23/14 Number of Pages: One

Signer(s) Other Than Named Above: None

Capacity(ies) Claimed by Signer(s)

Signer's Name: Arturo Ayala

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer Is Representing:

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer Is Representing:

MERCHANTS
BONDING COMPANY™
POWER OF ATTORNEY

Bond No. NOBIN-168

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations duly organized under the laws of the State of Iowa (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint, individually,

Andrew Waterbury; Arturo Ayala; Daniel Huckabay; Dwight Reilly

of Orange and State of CA their true and lawful Attorney-in-Fact, with full power and authority hereby conferred in their name, place and stead, to sign, execute, acknowledge and deliver in their behalf as surety any and all bonds, undertakings, recognizances or other written obligations in the nature thereof, subject to the limitation that any such instrument shall not exceed the amount of:

TEN MILLION (\$10,000,000.00) DOLLARS

and to bind the Companies thereby as fully and to the same extent as if such bond or undertaking was signed by the duly authorized officers of the Companies, and all the acts of said Attorney-in-Fact, pursuant to the authority herein given, are hereby ratified and confirmed.

This Power-of-Attorney is made and executed pursuant to and by authority of the following By-Laws adopted by the Board of Directors of the Merchants Bonding Company (Mutual) on April 23, 2011 and adopted by the Board of Directors of Merchants National Bonding, Inc., on October 24, 2011.

"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof.

The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 27th day of February, 2012.



MERCHANTS BONDING COMPANY (MUTUAL)
MERCHANTS NATIONAL BONDING, INC.

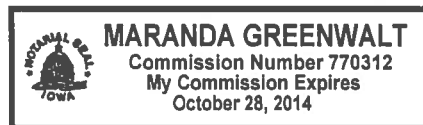
By

Larry Taylor
President

STATE OF IOWA
COUNTY OF POLK ss.

On this 27th day of February, 2012, before me appeared Larry Taylor, to me personally known, who being by me duly sworn did say that he is President of the MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC.; and that the seals affixed to the foregoing instrument is the Corporate Seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.

In Testimony Whereof, I have hereunto set my hand and affixed my Official Seal at the City of Des Moines, Iowa, the day and year first above written.



Maranda Greenwalt

Notary Public, Polk County, Iowa

STATE OF IOWA
COUNTY OF POLK ss.

I, William Warner, Jr., Secretary of the MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., do hereby certify that the above and foregoing is a true and correct copy of the POWER-OF-ATTORNEY executed by said Companies, which is still in full force and effect and has not been amended or revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this 23rd day of June, 2014.



William Warner Jr.
Secretary

POA 0014 (11/11)

CITY OF MANHATTAN BEACH
A G R E E M E N T

THIS AGREEMENT, made and entered into this 8th day of July, 2014 by and between the CITY OF MANHATTAN BEACH, a municipal corporation, hereinafter referred to as "CITY" and Nobest Incorporated, hereinafter referred to as "CONTRACTOR". City and Contractor hereby agree as follows:

1. That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the City, and under the conditions expressed in the two bonds, bearing even date with these presents, and hereunto annexed, the Contractor agrees with the City, at his own proper cost and expense, to do all the work and furnish all the materials, except such as are mentioned in the Specifications to be furnished by said City, necessary to complete in a good, workmanlike and substantial manner the improvements for the:

Section 2 Concrete Repair and Miscellaneous Slurry Project

in accordance with the specifications and Special Provisions therefor, and also in accordance with the Specifications entitled "Standard Specifications for Public Works Construction, Latest Edition" and all supplements thereto, which said Special Provisions and Standard Specifications are hereby specially referred to and by such reference made a part hereof.

Said work to be done as shown upon the following plans:

City of Manhattan Beach Standard Plans ST-1, ST-2, ST-10, ST-27; Standard Plans for Public Works Construction Curb Ramp No. 115-3 sheets 1 through 10 Curb Ramp,

2. Said Contractor agrees to receive and accept the following prices as full compensation for furnishing all materials and doing all the work contemplated and embraced in this Agreement; also for all loss or damage arising out of the nature of the work aforesaid, or from the acts of the elements, or from any unforeseen difficulties or obstructions which may arise or be encountered in the prosecution of the work until its acceptance by the City of Manhattan Beach and for all risks of every description connected with the work; also for all expenses incurred by or in consequence of the suspension or discontinuance of work, and for well and faithfully completing the work, and the whole thereof, in the manner and according to the Plans and Specifications, and requirements of the Engineer under them, to wit:

Total Cost: \$1,119,790.80

Total Cost In Writing: One Million One Hundred Nineteen Thousand Seven Hundred Ninety Dollars and Eighty Cents

3. The complete contract consists of the following documents: This Agreement, Notice to Contractors, the accepted bid, the completed Plans, Specifications and detailed drawings, Performance Bond, Labor and Materials Bond, and Defective Materials, Workmanship and Equipment Bond.

All rights and obligations of City and Contractor are fully set forth and described in the contract documents.

All of the above named documents are intended to cooperate so that any work called for in one and not mentioned in the other, or vice versa, is to be executed the same as if mentioned in all said documents.

A G R E E M E N T
(Continued)

4. The said City hereby promises and agrees with the said Contractor to employ, and does hereby employ the said Contractor to provide the materials and to do the work according to the terms and conditions herein contained and referred to, for the prices aforesaid, and hereby contracts to pay the same at the time, in the manner, and upon the conditions above set forth; and the said parties for themselves, their heirs, executors, administrators, successors, and assigns, do hereby agree to the full performance of the covenants herein contained.

5. It is further expressly agreed by and between the parties hereto that should there be any conflict between the terms of this instrument and the bid or proposal of said Contractor, then this instrument shall control and nothing herein shall be considered as an acceptance of the said terms of said proposal conflicting herewith.

IN WITNESS WHEREOF, the City has by action of its City Council authorized this Agreement to be executed for and on behalf of the City by its Mayor and attested by its City Clerk, and the Contractor has caused the same to be executed by his duly authorized officer.

NOBEST INCORPORATED
Contractor

By 
President Its Larry Nodland

and

By 
Secretary Its Robert Nodland II

7600 Acacia Ave. Garden Grove CA 92841
Address

ATTEST:

CITY OF MANHATTAN BEACH

Liza Tamura, City Clerk

Bruce Moe, Acting City Manager

The foregoing agreement is hereby
approved by me as to form

Public Works Approval

City Attorney

CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

State of California

County of Orange

On 7-8-14 before me, Kay E. Anderson/Notary Public
(Here insert name and title of the officer)

personally appeared Larry Nodland and Robert Nodland II

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is~~ are subscribed to the within instrument and acknowledged to me that ~~he~~/she/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Kay E. Anderson
Signature of Notary Public

(Notary Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages _____ Document Date _____

(Additional information)

CAPACITY CLAIMED BY THE SIGNER

- Individual (s)
- Corporate Officer (s)
Larry Nodland - President
(Title) Robert Nodland II - Sec.
- Partner(s)
- Attorney-in-Fact
- Trustee(s)
- Other _____

INSTRUCTIONS FOR COMPLETING THIS FORM

Any acknowledgment completed in California must contain verbiage exactly as appears above in the notary section or a separate acknowledgment form must be properly completed and attached to that document. The only exception is if a document is to be recorded outside of California. In such instances, any alternative acknowledgment verbiage as may be printed on such a document so long as the verbiage does not require the notary to do something that is illegal for a notary in California (i.e. certifying the authorized capacity of the signer). Please check the document carefully for proper notarial wording and attach this form if required.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he~~/she/~~they~~, -is /~~are~~) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document

CITY OF MANHATTAN BEACH
PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____
as principal, and _____,
a corporation, incorporated, organized, and existing under the laws of the State of _____ and authorized to execute bonds and undertakings and to do a general surety business in the State of California, as Surety, are jointly and severally held and firmly bound unto the City of Manhattan Beach, a municipal corporation, located in the County of Los Angeles, State of California, in the full and just sum of _____ Dollars (\$ _____), lawful money of the United States of America, for the payment of which sum, well and truly to be made, we bind ourselves and our respective heirs, executors, administrators, representatives, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that:

WHEREAS, said principal has entered into, or is about to enter into, a certain written contract or agreement, dated as of the _____ day of _____, 2014, with the said City of Manhattan Beach for

Section 2 Concrete Repair and Miscellaneous Slurry Project

all as is more specifically set forth in said contract or agreement, a full, true, and correct copy of which is hereunto attached, and hereby referred to and by this reference incorporated herein and made a part hereof.

NOW, THEREFORE, if the said Principal _____ shall faithfully and well and truly do, perform and complete, or cause to be done, performed and completed, each and all of the covenants, terms, conditions, requirements, obligations, acts and things, to be met, done or performed by said Principal _____, as set forth in, or required by, said contract or agreement, all at and within the time or times, and in the manner as therein specified and contemplated, then this bond and obligation shall be null and void; otherwise it shall be and remain in full force, virtue and effect.

The said Surety, for value received, hereby stipulates and agrees that no amendment, change, extension of time, alteration or addition to said contract or agreement, or of any feature or item or items of performance required therein or thereunder, shall in any manner affect its obligations on or under this bond; and said Surety does hereby waive notice of any such amendment, change, extension of time, alteration, or addition to said contract or agreement, and of any feature or item or items of performance required therein or thereunder.

PERFORMANCE BOND
(Continued)

In the event any suit, action, or proceeding is instituted to recover on this bond or obligation, said Surety will pay, and does hereby agree to pay, as attorney's fees for said City, such sum as the Court in any such suit, action or proceeding may adjudge reasonable.

EXECUTED, SEALED, and DATED this _____ day of _____, 2014.

(CORPORATE SEAL)

Principal

(CORPORATE SEAL)

Surety

The foregoing bond is hereby approved
by me as to form

City Attorney

LABOR AND MATERIALS BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____

_____ as principal, and _____

_____ as surety, are held and firmly bound unto the CITY OF MANHATTAN BEACH, State of California, in the sum of

_____ (\$ _____) lawful money of the

United States, for the payment of which sum, well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH, that:

WHEREAS, said principal has been awarded and is about to enter into a written contract or agreement with the City of Manhattan Beach for

Section 2 Concrete Repair and Miscellaneous Slurry Project

all as is more specifically set forth in said contract or agreement, a full, true, and correct copy of which is hereunto attached, and hereby referred to and by this reference incorporated herein and made a part hereof.

NOW, THEREFORE, if the said principal as Contractor in said contract or agreement, or principal's subcontractor, fails to pay for any materials, provisions, provender or other supplies or teams, equipment, implements, trucks, machinery or power used in, upon or for or about the performance of the work contracted to be done, or for any work or labor done thereon of any kind, or for amounts due under the Unemployment Insurance Act of the State of California or for any amounts required to be deducted, withheld and paid over to the Franchise Tax Board from the wages of employees of the Contractor and his subcontractors pursuant to Section 18806 of the Revenue and Taxation Code with respect to such work or labor, the surety on this bond will pay the same in an amount not exceeding the sum hereinabove specified in this bond.

This bond is executed pursuant to the provisions of Chapter 7 of Division 3, Part 4, Title 15, of the Civil Code of the State of California, and shall inure to the benefit of any and all persons entitled to file claims under Chapter 4 of Division 3, Part 4, Title 15 of the Civil Code of California as now or hereafter amended. No premature payment by said City to said principal shall exonerate any surety unless the City Council of said City shall have actual notice that such payment is premature at the time and it is ordered by said Council, and then only to the extent that such payment shall result in loss to such surety, but in no event more than the amount of such premature payment.

LABOR AND MATERIALS BOND
(Continued)

This bond is executed and filed in connection with said contract or agreement hereunto attached to comply with each and all of the provisions of the laws of the State of California above mentioned or referred to, and to all amendments thereto, and the obligors so intend and do hereby bind themselves accordingly.

The said surety, for value received, hereby stipulates and agrees that no amendment, change, extension of time, alteration, or addition to said contract or agreement, or of any feature or item or items of performance required therein or thereunder, shall in any manner affect its obligation on or under this bond; and said surety does hereby waive notice of any such amendment, change, extension of time, alteration, or addition to said contract or agreement, and of any feature or item or items of performance required therein or thereunder.

WITNESS our hands this _____ day of _____, 2014.

Principal

Surety

The foregoing bond is hereby approved by me as to form.

City Attorney

The foregoing bond is hereby approved by me as to surety.

ATTEST:

Bruce Moe, Acting City Manager

Liza Tamura, City Clerk

CITY OF MANHATTAN BEACH
DEFECTIVE MATERIALS, WORKMANSHIP, AND EQUIPMENT BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____,
as principal, and _____,
a corporation organized and existing under the laws of the State of _____,
and authorized to do a general surety business in the State of California, as
Surety, are held and firmly bound unto the City of Manhattan Beach
(hereinafter called Owner), a municipal corporation of the State of
California, in the full and just sum of _____
_____ Dollars (\$ _____), lawful money of the United
States of America, for which sum, well and truly to be paid, we bind
ourselves, our heirs, executors, administrators, successors and assigns,
jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that:

WHEREAS, the said Principal entered into a certain contract with the obligee,
dated on or about _____ for the
construction of

Section 2 Concrete Repair and Miscellaneous Slurry Project

WHEREAS, the Principal contracted to give the obligee a surety bond in the sum
of _____
Dollars (\$ _____), conditioned that the Principal would make good
and protect the said obligee against the results of materials, equipment, or
workmanship which are inferior, defective, or not in accordance with the terms
of said contract having been used or incorporated in any part of the work so
contracted for, which shall have appeared or been discovered, within the
period of one (1) year from and after the completion and final acceptance of
the work done under said contract.

NOW, THEREFORE, if the Principal shall well and truly make good and
protect the said obligee against the results of materials, equipment, or
workmanship which are inferior, defective, or not in accordance with the terms
of said contract having been used or incorporated in any part of the work
performed under said contract, which shall have appeared or been discovered
within said one (1) year period from and after completion and final acceptance
of said work, then this obligation shall be null and void; otherwise to remain
in full force and effect.

DEFECTIVE MATERIALS, WORKMANSHIP, AND EQUIPMENT BOND
(Continued)

SIGNED, SEALED, and DATED this _____ day of _____,
2014.

Principal

Surety

The foregoing bond is hereby approved
by me as to form

City Attorney

CITY OF MANHATTAN BEACH
1400 HIGHLAND AVENUE
MANHATTAN BEACH, CALIFORNIA 90266
(310) 802-5300

INSURANCE ENDORSEMENT FORM #1
(GENERAL)

This endorsement is issued in consideration of the policy premium. Notwithstanding any inconsistent expression in the policy to which this endorsement is attached, or in any other endorsement now or hereafter attached thereto, or made a part thereof, the protection afforded by said policy shall include the following:

1. Additional Insured. With respect to such insurance as is afforded by this policy, the City of Manhattan Beach and its officers, employees, elected officials, volunteers, and members of boards and commissions shall be named as additional insured. This additional insured coverage only applies with respect to liability of the named insured or other parties acting on their behalf arising out of the activities of the undertaking specified in paragraph No. 5 below (Indemnification Clause).
2. Cross Liability Clause. The insurance afforded applies separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the company's liability.
3. Occurrence Based Policy. This policy shall be an "occurrence based policy."
4. Primary Insurance. For the risks covered by this endorsement this insurance shall provide primary insurance to the City to the exclusion of any other insurance or self-insurance program the City may carry with respect to claims and injuries arising out of activities of the Contractor or otherwise insured hereunder.
5. Indemnification Clause. The underwriters acknowledge that the named insured shall indemnify and save harmless the City of Manhattan Beach against any and all claims resulting from the wrongful or negligent acts or omissions of the named insured or other parties acting on their behalf in the undertaking specified as (list activity location and date(s) of event to include set-up and cleanup dates):

Section 2 Concrete Repair and Miscellaneous Slurry Project

6. Investigation and Defense Costs. Said hold harmless assumption on the part of the named insured shall include all reasonable costs necessary to defend a lawsuit including attorney fees, investigators, filing fees, transcripts, court reporters, and other reasonable costs of investigation and defense.
7. Reporting Provisions. Any failure to comply with the reporting provisions of the policy shall not affect coverage provided to the City.
8. Cancellation. This policy shall not be cancelled except by written notice to the Risk Manager at: City of Manhattan Beach, 1400 Highland Avenue, Manhattan Beach, CA, 90266, at least thirty (30) days prior to the date of such cancellation.
9. Limits of Liability. This policy shall provide minimum limits of liability of \$ 2,000,000.00, combined single limit coverage against any injury, death, loss or damage as a result of wrongful or negligent acts or omissions by the named insured.

INSURANCE ENDORSEMENT FORM #1
(GENERAL)
(Continued)

10. Comprehensive Coverage. This policy shall afford coverage at least as broad as Commercial General Liability "Occurrences" Form CG0001 and shall include the following:

A. General Liability

- (1) Comprehensive Form
- (2) Premises/Operations
- (3) Independent Contractors Liability
- (4) Broad Form Property Damage
- (5) Personal Injury
- (6) Products, Completed Operations
- (7) Contractual
- (8) Explosions, collapse, or underground property damage.

NOTE: If this is a Homeowner's Policy in lieu of Commercial General Liability, it shall afford coverage at least as broad as Homeowners ISO Form HO II (Ed 9-70) California and shall include comprehensive personal liability.

This policy shall provide the dollar limit specified in paragraph 9 with the following additional coverage where boxes below are checked:

- 11. Host Liquor Liability
- 12. Liquor Law Liability
- 13. Other

The limits of liability as stated in this endorsement apply to the insurance afforded by this endorsement notwithstanding that the policy may have lower limits of liability elsewhere in the policy.

This endorsement is effective _____ at 12:01 a.m. and forms a part of Policy No. _____.

Named Insured _____

Name of Insurance Company _____

I, _____ (print/type name), warrant that I have authority to bind the above listed insurance company, and by my signature hereon do so bind this company.

By _____
Signature of Authorized Representative

Approved _____
City Risk Manager Date

PLEASE ATTACH CERTIFICATE OF INSURANCE

CITY OF MANHATTAN BEACH
1400 HIGHLAND AVENUE
MANHATTAN BEACH, CALIFORNIA 90266
(310) 802-5300

INSURANCE ENDORSEMENT FORM #2
(AUTO)

This endorsement is issued in consideration of the policy premium. Notwithstanding any inconsistent expression in the policy to which this endorsement is attached, or in any other endorsement now or hereafter attached thereto, or made a part thereof, the protection afforded by said policy shall include the following:

1. Additional Insured. With respect to such insurance as is afforded by this policy, the City of Manhattan Beach and its officers, employees, elected officials, volunteers, and members of boards and commissions shall be named as additional insured. This additional insured coverage only applies with respect to liability of the named insured or other parties acting on their behalf arising out of the activities of the undertaking specified in paragraph No. 5 below (Indemnification Clause).
2. Cross Liability Clause. The insurance afforded applies separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the company's liability.
3. Occurrence Based Policy. This policy shall be an "occurrence based policy."
4. Primary Insurance. For the risks covered by this endorsement this insurance shall provide primary insurance to the City to the exclusion of any other insurance or self-insurance program the City may carry with respect to claims and injuries arising out of activities of the Contractor or otherwise insured hereunder.
5. Indemnification Clause. The underwriters acknowledge that the named insured shall indemnify and save harmless the City of Manhattan Beach against any and all claims resulting from the wrongful or negligent acts or omissions of the named insured or other parties acting on their behalf in the undertaking specified as (list activity location and date(s) of event to include set-up and cleanup dates):

Section 2 Concrete Repair and Miscellaneous Slurry Project

6. Investigation and Defense Costs. Said hold harmless assumption on the part of the named insured shall include all reasonable costs necessary to defend a lawsuit including attorney fees, investigators, filing fees, transcripts, court reporters, and other reasonable costs of investigation and defense.
7. Reporting Provisions. Any failure to comply with the reporting provisions of the policy shall not affect coverage provided to the City.
8. Cancellation. This policy shall not be cancelled except by written notice to the Risk Manager at: City of Manhattan Beach, 1400 Highland Avenue, Manhattan Beach, CA, 90266, at least thirty (30) days prior to the date of such cancellation.
9. Limits of Liability. This policy shall provide minimum limits of liability of \$2,000,000.00, combined single limit coverage against any injury, death, loss or damage as a result of wrongful or negligent acts or omissions by the named insured.

INSURANCE ENDORSEMENT FORM #2
(AUTO)
(CONTINUED)

10. Scope of Coverage. This policy shall afford coverage at least as broad as Insurance Services Office Form No. CA0001 (Ed 1/78), Code 1 ("any auto") and shall include the following:

A. Auto Liability

- (1) Any auto
- (2) All owned autos (Private Passengers)
- (3) All owned autos (other than Private Passengers)
- (4) Hired autos
- (5) Non-owned autos (for business purposes)
- (6) Other

The limits of liability as stated in this endorsement apply to the insurance afforded by this endorsement notwithstanding that the policy may have lower limits of liability elsewhere in the policy.

This endorsement is effective _____ at 12:01 a.m. and forms a part of Policy No. _____.

Named Insured _____

Name of Insurance Company _____

I, _____ (print/type name), warrant that I have authority to bind the above listed insurance company, and by my signature hereon do so bind this company.

By _____
Signature of Authorized Representative

Approved _____
City Risk Manager Date

PLEASE ATTACH CERTIFICATE OF INSURANCE

CITY OF MANHATTAN BEACH

PROPOSED SECURITY DEPOSITS IN LIEU OF RETENTION

Pursuant to Sections 10263 and 22300 of the Public Contract Code of the State of California, the Contractor shall list below his proposed securities in lieu of retention, or request that payment of retentions be made directly to an escrow agent. Only those securities listed in Section 16430 of the California Government Code are acceptable to the City.

<u>Security</u>	<u>Expiration Date</u>	<u>Value in Dollars</u>
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

<u>Escrow Office</u>	<u>Escrow Agent</u>	<u>Address</u>	<u>Telephone</u>
----------------------	---------------------	----------------	------------------

The absence of any proposed security deposits (to be listed above), or information designating an escrow arrangement, and/or the Contractor's signature, shall constitute an acceptance by the Contractor that a ten percent (5%) deduction from any and all payments to him shall be withheld by the Agency until the expiration of 35 calendar days from the date of acceptance by the Agency, of the work as complete. Monies withheld by the Agency shall bear no interest payable to the Contractor upon their release.

Contractor:

Title

Name

Signature

TO: CITY OF MANHATTAN BEACH
 Public Works Department, 3621 Bell Avenue, Manhattan Beach, CA 90266

FROM: PROJECT TITLE Section 2 Concrete Repair and Miscellaneous Slurry Project

PROJECT NO. _____

FROM: Contractor _____ Date _____

Address _____

Telephone _____

Submitted by: _____ Progress Estimate No. _____

Contract Award Amount \$ _____

No	Description	Contract Quantity	Previous Quantity	Quantity This Estimate	Unit Price	Amount This Estimate	Total Quantity To Date	Total Amount To Date
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Total							
	Less Retention							
	Less Previous Billing(s)							
	Total Amount Due							

City Approval: _____

Date: _____

SPECIAL PROVISIONS

The Standard Specifications of the Agency are contained in the latest Edition of the Standard Specifications for Public Works Construction, including all supplements, as written and promulgated by the Joint Cooperative Committee of the Southern California Chapter of the Associated General Contractors of California. Copies of these Standard Specifications are available from the publisher, Building News, Incorporated, 3055 Overland Avenue, Los Angeles, California, 90034, telephone (310) 202-7775.

The Standard Specifications set forth above will control the general provisions, construction materials, and construction methods for this contract except as amended by the Plans, Special Provisions, or other contract documents. The following Special Provisions are supplementary and in addition to the provisions of the Standard Specifications unless otherwise noted and the section numbers of the Special Provisions coincide with those of the said Standard Specifications. Only those sections requiring elaborations, amendments, specifying of options, or additions are called out. Should there be any discrepancies between the following provisions and the Standard Specifications For Public Works Construction (Latest Edition), the provisions contained herein shall control.

PART 1

GENERAL PROVISIONS

Section 2- Terms and Definitions

Definitions:

Whenever in the Standard Specifications or the Special Provisions the following terms are used, they shall be understood to mean and refer to the following:

- AGENCY: CITY OF MANHATTAN BEACH
- BOARD: CITY COUNCIL OF THE CITY OF MANHATTAN BEACH
- CITY: CITY OF MANHATTAN BEACH
- ENGINEER: DIRECTOR OF PUBLIC WORKS OF THE CITY OF MANHATTAN BEACH, acting either directly or through properly authorized agents, such agents acting within the scope of the particular responsibilities entrusted to them.
- INSPECTOR: That person or persons designated by the Engineer.
- LABORATORY: The designated laboratory or laboratories authorized by the ENGINEER to test materials and work pertinent to the performance of the contractual work.

Other terms appearing in the Standard specifications shall have the intent and meaning specified therein.

Section 2 - Scope and Control of the Work

2-3.3 Subcontractors Add the following subsections:

Subcontractors shall be listed by the bidder in accordance with these specifications and must be properly licensed under the laws of the State of California for the type of work which they are to perform.

2-3.4

Subcontractor whose prosecution of the work is not satisfactory shall be terminated immediately by the Contractor upon the receipt of a written notice by the Engineer. Subcontractors whose work was determined to be unsatisfactory shall not be allowed to perform any work on the job site.

2.4 Contract Bonds

Add the following to the first paragraph:

All bonds used to satisfy the Agency's requirements shall have a current A.M. Best's rating of not less than A-VII unless otherwise approved by the City.

Substitute the following for the third paragraph:

As a part of the execution of this contract, the Contractor shall furnish to the City a bond of a surety company acceptable to the City, in a sum of one hundred percent (100%) of the total contract amount, as the sum set forth in the agreement for payment in full of all persons, companies, or corporations who perform labor upon or furnish material to be used in the work under this contract. Said bond shall be in the form of the Labor and Material Bond contained within these Specifications.

Substitute the following for the fourth paragraph:

As a part of the execution of this contract, the Contractor shall furnish to the City a bond payable to the City in the form of a Faithful Performance Bond as set forth in these Specifications. The performance bond shall be secured by a surety company acceptable to the City, conditioned upon the faithful performance of all covenants and stipulations under this contract. The amount of the bond shall not be less than one hundred percent (100%) of the total contract amount, as this sum is set forth in the agreement.

Add the following paragraph to this section:

As a condition precedent to the completion of this contract, the Contractor shall furnish a bond of a surety company acceptable to the City in the amount equal to ten percent (10%) of the total contract amount to hold good for a period of one (1) year after the completion and acceptance of the work to protect the City against the results of defective materials, workmanship, and equipment during that time. This bond shall be delivered to the City prior to issuance of final payment under this contract. Said bond shall be in the same form as the form of

Defective Materials, Workmanship, and Equipment Bond contained within these Specifications.

2-5.2 Precedence of Contract Documents This section shall be revised to read:

The order of precedence of documents shall be:

- First: Requirements of law.
- Second: Permits from other agencies as may be required by law.
- Third: Permits from the City of Manhattan Beach as may be required by law.
- Fourth: Special Provisions.
- Fifth: Contract Plans.
- Sixth: Standard Plans.
- Seventh: Standard Specifications.
- Eighth: Reference Specifications.

Change orders, supplemental agreements, and approved revisions to Plans and Specifications shall take precedence over documents listed above, except those listed as First, Second, and Third. Detailed plans shall have precedence over general plans. Reference Specifications or sections thereof, when cited in the Special Provisions, shall, by that reference, become a portion of the Special Provisions and be ranked in precedence of documents accordingly.

2-6 Work To Be Done

The following paragraphs shall be added following paragraph one:

All work which is defective in its construction or deficient in any of the requirements of the Plans and Specifications shall be remedied or removed and replaced by the Contractor in an acceptable manner at his own expense. No compensation will be allowed for any work done beyond the lines and grades shown on the Plans or established by the Engineer. Upon failure on the part of the Contractor to comply with any order of the Engineer made under the provisions of this article, the Engineer and City may cause the defective work to be remedied or removed and replaced at the expense of the Contractor.

Any unauthorized or defective work, defective material or workmanship or any unfaithful or imperfect work that may be discovered before final acceptance of work by the board shall be corrected immediately with no extra charge even though it may have been overlooked in previous inspections and estimates or may have been caused due to failure to inspect the work.

2-9.1 Permanent Survey Markers

Substitute the following for the first paragraph:

Contractor is responsible for preservation and/or perpetuation of all existing monuments which control subdivisions, tracts, boundaries, streets, highways, other rights-of-way, easements, or provide survey control which will be disturbed or removed due to Contractor's work. Contractor shall provide a Land Surveyor or a

Registered Civil Engineer authorized to practice land surveying within the state prior to disturbance or removal of existing monuments. The Contractor's Registered (licensed) Land Surveyor or Registered Civil Engineer authorized to practice within the state shall coordinate with contractor to reset monuments or provide permanent witness monuments and file the required documentation with the Office of the County Surveyor pursuant to Business and Professions Code Section 8771.

2-10 Authority of Boards and Inspectors

Substitute the following for the second paragraph:

The Engineer shall decide any and all questions which may arise as to the quality or acceptability of materials furnished and work performed, and as to the manner of performance and rate of progress of the work; all questions which arise as to the interpretation of the Plans and Specifications; all questions as to the acceptable fulfillment of the contract by the Contractor; and all questions as to claims and compensation.

Add the following paragraphs:

2-10.1 Inspection

An inspector shall in no case act as foreman or perform other duties for the Contractor, nor interfere with the Contractor's management of the work. Any advice which an inspector may give the Contractor shall not be binding to the Engineer or to the City, or release the Contractor from fulfilling all the terms of the contract.

No partial payment, inspection, taking possession of, or other act made or done by the Engineer or the City with respect to the work prior to final completion and acceptance thereof shall affect or prejudice the right of the Engineer or the City to reject any defective work or material or to require the complete fulfillment of all the provisions of the contract.

If the Engineer deems it expedient and not in the best interest of the City to correct work injured or done not in accordance with the contract, the defective work may be accepted subject to an equitable deduction from the contract price which may be made therefor by the City upon certification from the Engineer.

Reexamination of any work may be ordered by the Engineer at any time prior to final acceptance and, if so ordered, the work must be uncovered by the Contractor. If such work be found in accordance with the contract, the City will pay the cost of reexamination and replacement. If such work be found defective or not in accordance with the contract, the Contractor shall pay such costs.

2-10.2 Cooperative with Other Work.

The City may award other contracts for additional work, and the Contractor shall fully cooperate with such other Contractors and carefully fit Contractor's own work to that provided under the contracts as may be directed by the Engineer. The Contractor shall not commit or permit any act which will interfere with the performance of work by any

other Contractor.

Section 3 - Changes in Work

3-2 Changes Initiated by Agency.

3-2.2.1 Delete this section. Replace with the following:

Increase or decrease in quantities shall be based on the contract's unit prices.

3-3 Extra Work.

3-3.1 General

Add the following at the end of Subsection 3-3.1:

Any extra work must be authorized by the Engineer and payment thereto shall be based on prevailing construction prices in the locality. Any extra work performed by the Contractor without prior authorization shall be considered included in the cost of the bid items mentioned in the Contractor's Proposal and no separate payment shall be made therefor.

If extra work is performed and payment is based on labor, materials, and equipment costs, the Contractor may not include in the labor costs, wages paid to supervisory personnel whose presence on the job site would normally be required.

3-3.2.3 Delete this section. Replace with the following:

(a) **Work by Contractor.** The following percentages shall be added to the Contractor's costs and shall constitute the markup for all overhead and profits:

- 1) Labor 20
- 2) Materials 15
- 3) Equipment Rental 15
- 4) Other Items and Expenditures 15

To the sum of the costs and markups provided for in this subsection, 1 percent shall be added as compensation for bonding.

(b) **Work by Subcontractor.** When all or any part of the extra work is performed by a Subcontractor, the markup established in 3-3.2.3(a) shall be applied to the Subcontractor's actual cost of such work. A markup of 10 percent on the first \$5,000 of the subcontracted portion of the extra work and a markup of 5 percent on work added in excess of \$5,000 of the subcontracted portion of the extra work may be added by the Contractor.

Section 7 - Control of Materials

4-1.1 General

Substitute the following for the first paragraph:

All materials used in the construction of the improvements under this contract shall be new and of properties best suited for the work required. Wherever applicable, materials shall conform to the latest Standards of the American Society for Testing Materials. All workmanship in the fabrication, assembly and construction of materials and equipment shall be neat and workmanlike in every respect. All equipment offered shall be of the manufacturer's latest design.

Add at the end of Section 7-1:

4-1.9 Warranties, Guarantees, and Instruction Sheets

All equipment, materials, and workmanship furnished under this contract shall be guaranteed for a period of one (1) year from the date of acceptance thereof against all defects that might render the work unsatisfactory during its normal operation. Defective materials and workmanship which become apparent during the guarantee period shall be replaced by the Contractor at his expense, together with the repair or replacement of any adjacent work, which may have been damaged by reason of the defective material, or during the process of its repair or replacement.

Manufacturer's warranties and guarantees furnished for materials used in the work, instruction sheets, and parts lists supplied with materials shall be delivered to the Engineer prior to acceptance of the project.

Section 5 - Utilities

5-1 Location

Add at the end of Subsection 5-1.

The location of existing piping and underground utilities, such as sewer, buried telephone, cable television, water mains, electric duct lines, etc., as shown on the contract drawings have been determined from the best available information, by actual surveys or furnished and taken from the records of the parent utility companies and drawings of existing facilities. However, the City does not assume the responsibility that record information as furnished by the utility companies and drawings of existing facilities is complete, accurate, and in sufficient detail to adequately locate all facilities within the construction area. The Contractor shall verify the detailed locations of all facilities as shown on the plans prior to starting work in the area.

5-2 Protection

Add the following paragraphs at the end of Subsection 5-2:

At least two working days prior to commencing work within the

area, the Contractor shall request the utility owners to identify or otherwise indicate the location of their subsurface facilities. It shall be the Contractor's responsibility to determine the location and depth of all utilities including service connections which have been marked by the representative owners and which he believes may affect or be affected by the work. Full compensation for the ascertainment of utility locations and depths shall be considered included in the prices bid for the other items of work.

All utilities shall be notified by the Contractor in advance, according to their respective advance notice requirements, prior to excavating adjacent to, altering, or in any way modifying their facilities. The Contractor, at his expense, shall maintain in service all existing utilities. Should interruption of such utilities become necessary, the property owners and residents affected shall be notified 48 hours before the interruption.

The Contractor shall protect, support, or perform any other work necessary in order to maintain the operation of utilities in the proximity of the work area. The Contractor shall inform the Engineer in writing of all utilities omitted from or shown incorrectly on the contract plans. The Contractor shall not be entitled to damages or additional payment for delays attributable to utility relocations or alterations not shown or incorrectly delineated on the contract plans. The Contractor shall conduct his operations so as to permit access to the work site by any affected utility necessary for the relocation or modification to the utility system at no cost to the City.

Any interference by the Contractor with City-owned facilities such as, but not limited to, sewer, water, or storm drain that, in the opinion of the Engineer, creates a safety or health hazard and is not quickly repaired, said damaged facilities may be repaired by City forces and all costs of these repairs will be deducted from contract payments.

Section 6 - Prosecution, Progress and Acceptance of the Work

Add the following to Section 6-2:

6-2.1 Excess Cost of City Personnel and Inspection Personnel

For any overtime or emergency work beyond a regular eight (8) hour day and for any work performed on Saturday, Sunday, or holidays, the charges for City personnel, including inspection, required on the job site shall be the responsibility of the Contractor and all costs therefor shall be deducted from the payments due the Contractor. The cost of the City personnel shall be computed pursuant to adopted City salary schedules, overtime policies, fringe benefits, and overhead costs.

6-3.1 General

Add the following paragraph following paragraph one:

In the event a suspension of work is ordered because of failure on the part of the Contractor to carry out orders given or to perform any provisions of the work, such suspension of work shall not relieve the Contractor of his responsibility to complete the work within

the time limit set forth herein and shall not be considered cause for extension of the time for completion, and further, such suspension of work shall not entitle the Contractor to any additional compensation.

Add at the end of Section 6-7.2

6-7 Time of Completion.

6-7.1 Generally the time of completion shall be as noted on the Contractor's Proposal.

6-7.2.1 Hours of Work

The Contractor shall not conduct any operations or perform any work pertaining to the project as defined herein, between the hours of 5:00 p.m. and 7:30 a.m. on any day nor on Saturday, Sunday, or holidays at any time except as approved by the Engineer. In the event that the Contractor abuses the hours of work requirement, a written warning will follow. After each additional warning, a \$200.00 penalty will be deducted from the contract amount.

6-9 Liquidated Damages

The liquidated damages value is hereby amended to be \$500 per day.

Section 7 - Responsibilities of the Contractor in the Conduct of His Work

Revise to read as follows:

7-3 Public Liability and Property Damage Insurance

Delete section 7-3 and replace with the following:

Insurance Requirements.

Commencement of Work. CONTRACTOR shall not commence work under this Agreement until it has obtained CITY approved insurance. Before beginning work hereunder, during the entire period of this Agreement, for any extensions hereto, and for periods after the end of this Agreement as indicated below, CONTRACTOR must have and maintain in place, all of the insurance coverages required in this Section 7. CONTRACTOR'S insurance shall comply with all items specified by this Agreement. Any subcontractors shall be subject to all of the requirements of this Section 7 and CONTRACTOR shall be responsible to obtain evidence of insurance from each subcontractor and provide it to CITY before the subcontractor commences work.

All insurance policies used to satisfy the requirements imposed hereunder shall be issued by insurers authorized to do business in the State of California. Insurers shall have a current A.M. Best's rating of not less than A-:VII unless otherwise approved by CITY.

Coverages, Limits and Policy Requirements. CONTRACTOR shall maintain the types of coverages and limits indicated below:

(1) COMMERCIAL GENERAL LIABILITY INSURANCE - a policy for occurrence coverage, including all coverages provided by and to the extent afforded by Insurance Services Office Form CG 0001 ed. 11/88 or 11/85, with no special limitations affecting CITY. The limit for all coverages under this policy shall be no less than two million dollars (\$2,000,000.00 per occurrence. CITY, its employees, officials and agents, shall be added as additional insureds by endorsement to the policy. The insurer shall agree to provide the City with thirty (30) days prior written notice of any cancellation, non-renewal or material change in coverage. The policy shall contain no provision that would make this policy excess over, contributory with, or invalidated by the existence of any insurance, self-insurance or other risk financing program maintained by CITY. In the event the policy contains such an "other insurance" clause, the policy shall be modified by endorsement to show that it is primary for any claim arising out of the work performed under this Agreement. The City of Manhattan Beach Insurance Endorsement Form No. 1 (General Liability) must be executed by the applicable insurance underwriters.

(2) COMMERCIAL AUTO LIABILITY INSURANCE - a policy including all coverages provided by and to the extent afforded by Insurance Services Office form CA 0001, ed. 12/93, including Symbol 1 (any auto) with no special limitations affecting the CITY. The limit for bodily injury and property damage liability shall be no less than two million dollars (\$2,000,000) per accident. CITY, its employees, officials and agents, shall be added as additional insureds by endorsement to the policy. The insurer shall agree to provide the City with thirty (30) days prior written notice of any cancellation, non-renewal or material change in coverage. The policy shall contain no provision that would make this policy excess over, contributory with, or invalidated by the existence of any insurance, self-insurance or other risk financing program maintained by CITY. In the event the policy contains such an "other insurance" clause, the policy shall be modified by endorsement to show that it is primary for any claim arising out of the work performed under this Agreement. The City of Manhattan Beach Insurance Endorsement Form No. 2 (Auto) must be executed by the applicable insurance underwriters.

(3) WORKERS' COMPENSATION INSURANCE - a policy which meets all statutory benefit requirements of the Labor Code, or other applicable law, of the State of California. Employers Liability Insurance with a minimum limit of no less than two million dollars (\$2,000,000) per claim. The policy shall contain, or

be endorsed to include, a waiver of subrogation in favor of CITY.

Additional Requirements. The procuring of such required policies of insurance shall not be construed to limit CONTRACTOR'S liability hereunder, nor to fulfill the indemnification provisions and requirements of this Agreement. There shall be no recourse against CITY for payment of premiums or other amounts with respect thereto. Any deductibles or self-insured retentions must be declared to and approved by CITY. Any deductible exceeding an amount acceptable to CITY shall be subject to the following changes:

- (1) either the insurer shall eliminate, or reduce, such deductibles or self-insured retentions with respect to CITY and its officials, employees and agents (with additional premium, if any, to be paid by CONTRACTOR); or
- (2) CONTRACTOR shall provide satisfactory financial guarantee for payment of losses and related investigations, claim administration, and defense expenses.

Verification of Compliance. CONTRACTOR shall furnish CITY with original endorsements effecting coverage required by this Agreement. The endorsements are to be signed by a person authorized by the insurer to bind coverage on its behalf. All endorsements are to be received and approved by CITY before work commences. Not less than fifteen (15) days prior to the expiration date of any policy of insurance required by this Agreement, CONTRACTOR shall deliver to CITY a binder or certificate of insurance with respect to each renewal policy, bearing a notation evidencing payment of the premium therefor, or accompanied by other proof of payment satisfactory to CITY.

7-3.1 Contractor's Responsibility for Work

Except as provided above, until the formal acceptance of the work by the City Council, the Contractor shall have the charge and care thereof and shall bear the risk of injury or damage to any part thereof by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore, and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expense thereof.

7-3.2

The Contractor shall indemnify and save harmless the City of Manhattan Beach, the City Council, inspection personnel, and the Engineer from any suits, claims, or actions brought by any person or persons for or on account of any injuries or damages sustained or arising in the construction of the work or in consequence thereof. The City Council may retain so much of the money due the Contractor as shall be considered necessary, until disposition has been made of such suits

or claims for damages as aforesaid.

7-3.3 Responsibilities for Damage

The City of Manhattan Beach, the City Council, inspection personnel, and the Engineer shall not be answerable or accountable in any manner for any loss or damage that may happen to the work or any part thereof; or for any material or equipment used in performing the work; or for injury or damage to any person or persons, either workmen or the public; for damage to adjoining property for any cause whatsoever.

7-5 Permits and Licenses

Revise to read:

The Contractor shall procure all permits and licenses (including a City of Manhattan Beach business license), pay all charges and fees, and give all notices necessary and incidental to the due and lawful prosecution of the work. All City of Manhattan Beach permits required for the performance of the contract shall be issued on a "no fee" basis. Permits required by other agencies shall be obtained by the City for all work within the City of Manhattan Beach.

Section 8 - Facilities for Agency Personnel

8-1 General.

The Contractor need provide no separate facilities for agency personnel, however, he shall permit unlimited use by the Engineer or his duly authorized representative of any field office, toilet facility, or other temporary job site facility.

Section 9 - Measurement and Payment

9-3 Payment

9-3.1 General

Add at the end of this Subsection:

Whenever the Contractor is required to perform work or furnish equipment, labor, tools, and materials of any class for which no price is fixed in the proposal, it shall be understood that such work, equipment, labor, tools, and material shall be provided without extra charge, allowance, or direct payment of any kind. The cost of performing such work or furnishing such equipment, labor, tools, and materials shall be included in the unit bid prices in the proposal most closely related to the work and no additional compensation will be made therefor.

If any portion of the work done or materials furnished under the contract shall prove defective or not in accordance with the Specifications and contract drawings, and if the imperfection in the same shall not be of sufficient magnitude or importance to make the work dangerous or undesirable, the Engineer shall have the right and authority to retain the work instead of requiring it to be removed and

reconstructed, but he shall make such deductions therefor in the payment due the Contractor as may be just and reasonable.

9-3.2 Partial & Final Payment

Delete and replaced with the following:

In accordance with these Specifications, the monthly payment date is hereby set as the second Wednesday following the first Tuesday of each month. If the above date falls on a holiday, the payment date shall be the first subsequent working day.

The Contractor shall prepare and submit the form attached herewith (See Page 25) or his own form, in an identical format, to the Engineer for all requests for progress payments for the work performed in accordance with the provisions of the contract during the preceding month. The progress payment request shall be submitted no later than thirteen (13) working days prior to the monthly payment dates established above. Late submittals shall be held for consideration by the City Council at the next regularly scheduled meeting.

The City will make partial payment to the Contractor for the work performed; said partial payment will be made in accordance with the certified estimate approved by the Engineer as set forth herein. The City will retain 5% of the amount of each such estimate until 35 days after the date on which the project is accepted as complete and until all obligations of the Contractor pursuant to the contract have been discharged.

The City may withhold payments to the Contractor including, but not limited to, retained percentage, liquidated damages, defective work not remedied, and reasonable doubt that this contract can be completed for the balance then unpaid, excess cost of City personnel and inspection personnel, and other valid claims against the Contractor.

Acceptance by the Contractor of said payment made in accordance with said final estimate shall be a release to the City, its officers, agents, and employees excepting only claims against the City for any amount withheld by it at the time of such payment.

Section 10 - Special Project Site Maintenance and Public Convenience and Safety

Section 10 is hereby added to the Standard Specifications as follows:

Pursuant to the provisions of Section 7-8 and Section 7-10 of the Standard Specifications and these Special Provisions, the Contractor is responsible for project site maintenance and for public convenience and safety. Payment for compliance with these provisions is considered as included in the prices bid for other contract items.

Section 11: Construction and Demolition Waste Management Plan

Section 11.1 General

To ensure that solid waste generated in the City of Manhattan Beach is reduced, reused or recycled, contractor shall submit a "Waste Management Plan" (WMP) to the Engineer for review and approval. After the WMP has been reviewed by the Engineer, it will be returned to the Contractor in one of the following four (4) status conditions:

- "Approved"
- "Further Explanation Required": The Engineer will return the WMP to the Contractor with questions about the WMP. Contractor shall resubmit plan with each of the City's questions answered thoroughly.
- "Denied": The Engineer will indicate the reasons for denial. The Contractor shall then re-submit a new WMP that complies with the requirements of this article or request an Infeasibility Exemption.
- "Infeasibility Exemption Approved"

The Contractor shall follow the WMP and document results during demolition and construction. Final documentation shall be submitted at the end of the project to the Engineer for review of compliance with the original WMP. The amount deducted from the final estimate and retained by the City in accordance with Section 9.3.1 and 9.3.2 shall be withheld until final WMP is submitted to the City and approved by City.

Section 11.2 Definitions

- a) "Construction" means the building of any facility or structure or any portion thereof including any tenant improvements to an existing facility or structure.
- b) "Construction and Demolition Debris" means used or discarded materials removed from premises during construction of project.
- c) "Conversion Rate" means the rate set forth in the standardized Conversion Rate Table approved by the City Council pursuant to this Section for use in estimating the volume or weight of materials identified in a Construction and Demolition Waste Reduction and Recycling Plan.
- d) "Divert" means to use material for any purpose other than disposal in a landfill. Diversion credit is given for source reduction (waste reduction), recycling, and composting.
- e) "Diversion Requirement" means the diversion of at least fifty (50) percent of the total Construction and Demolition Debris generated by a Project via reduction (source reduction), reuse or recycling, unless the Contractor has been granted an Infeasibility Exemption, in which case the Diversion Requirement shall be the maximum feasible diversion rate established by the Engineer.

- f) "Recycling" means the process of collecting, sorting, cleansing, treating, and reconstituting materials that would otherwise become solid waste, and returning them to the economic mainstream in the form of raw material for new, reused, or reconstituted products which meet the quality standards necessary to be used in the marketplace.
- g) "Renovation" means any change, addition, or modification in an existing structure.
- h) "Reuse" means further or repeated use of Construction or Demolition Debris. An example is the reuse of crushed concrete as road base or as aggregate on the construction site.
- i) "Salvage" means the controlled removal of Construction or Demolition Debris from project for the purpose of recycling, reuse, or storage for later recycling or reuse.
- j) "Construction and Demolition Waste Management Plan" means a completed form, approved by the Engineer for the purpose of compliance with this Article, submitted by the Contractor/Contractor for any Covered or Noncovered Project that indicates the estimated diversion that the Contractor/Contractor anticipates in diverting from disposal.
- k) "Construction and Demolition Waste Management Report" means a completed form, approved by the Engineer for the purpose of compliance with this Section, submitted by the Contractor for any Project that documents the disposal and diversion tonnages and destinations.

Section 11.3 Infeasibility Exemption

- a. Application: If the Contractor experiences unique circumstances that the Contractor believes make it infeasible to comply with the Diversion Requirement, the Contractor shall apply for an exemption at the time that he or she submits the WMP. The Contractor shall indicate on the WMP the maximum rate of diversion the Contractor believes is feasible for each material and the specific circumstances that the Contractor believes make it infeasible to comply with the Diversion Requirement.
- b. The Engineer shall review the information supplied by the Contractor and may meet with the Contractor to discuss possible ways of meeting the Diversion Requirement. Based on the information supplied by the Contractor, the Engineer shall determine whether it is possible for the Contractor to meet the Diversion Requirement.
- c. If the Engineer determines that it is infeasible for the Contractor to meet the Diversion Requirement due to unique circumstances, the Engineer shall determine the maximum feasible diversion rate for each material and shall indicate this rate on the WMP submitted by the Contractor. The Engineer shall return a copy of the WMP to the Contractor marked "Infeasibility Exemption Approved."
- d. Denial of Exemption: If the Engineer determines that it is possible for the Contractor to meet the Diversion Requirement, the Engineer shall so inform the Contractor in writing. The Contractor will have 15 days to resubmit a new WMP. If the Contractor fails to resubmit

a new WMP, or if the resubmitted WMP does not comply with the requirements of the plan, the Engineer shall deny the WMP.

Section 11.4

Diversion Measurement

The methodology used to calculate diversion is based on the Title 14, California Code of Regulations, Article 6.1 Solid Waste Generation Study, Section 18722 et seq, and is consistent with California Integrated Waste Management Board measurement protocols. The following equation defines the "Generation-Based Diversion Quantification Methodology":

$$\text{Generation} = (\text{Disposal}) + (\text{Diversion})$$

$$\text{Diversion Rate (\%)} = (\text{Diversion Tons}) / (\text{Generation Tons})$$

Section 11.5

Additional Information

Other materials to assist the Contractor in completing the WMP can be found on the City of Manhattan Beach's website at www.citymb.info.

- Construction and Demolition Debris Recycling Guide
- Construction and Demolition Recycling Brochure

The California Integrated Waste Management Board has also developed Technical Assistance Literature regarding construction and demolition waste reduction and recycling, which is available on-line at <http://www.ciwmb.ca.gov/ConDemo/>.

CITY OF MANHATTAN BEACH
Construction & Demolition Waste Management Plan

Contractor shall list all materials that will be reused, recycled or disposed from project. The required goal is to reuse or recycle at least 50% of project waste. Use tons to quantify total estimated waste and percentages of materials (see conversion table below). Ask your hauler, recycler or site cleanup vendor to assist you with this WMP. A copy of this WMP and receipts of all recycling and disposal shall be submitted before final payment will be made by the City.

Project Name: Section 2 Concrete Repairs Project

Location: City of Manhattan Beach

Type of Project: Street Improvement Water Main Sewer Main
 Storm Drain Other _____

Total Bid Price: \$

Requesting Infeasibility Exemption: Yes No

Contractor Name:

Contact Name:

Address:

Contact Phone:

Recycler:

Recycler Contact:

Recycler Address:

Recycler Contact Phone:

CITY USE ONLY	
	Application (Date) Final (Date)
Approved	_____
Further explanation needed (see attached)	_____
Denied	_____
Infeasibility Exemption Approved	_____
Reviewed By	_____

Submit this form and the attached Waste Management Plan Table to:

Engineering Division
City of Manhattan Beach
3621 Bell Ave
Manhattan Beach, CA 90266

CITY OF MANHATTAN BEACH
 Construction & Demolition Waste Management Plan Table
 Project Name: **Section 2 Concrete Repairs Project**

Total Estimated Waste Generated by Project : _____(in tons).
 (Ask your hauler, recycler or site cleanup vendor to assist you. Use receipts from your previous projects for estimates)

Complete and return with Building Permit Application			Complete and return with receipts prior to final building approval		
Material Type	Estimate Reused/ Recycled	Estimate Disposed/ Landfill	Actual Reused/ Recycled	Actual Disposed/ Landfill	Vendor or Facility Used (Destination)
Asphalt & Concrete					
Bricks/Masonry/Tiles					
Building Materials (doors, windows, fixtures, etc.)					
Cardboard					
Concrete Pavement and Grindings					
Drywall (new, unpainted)					
Asphalt Pavement Grindings					
Landscape Debris (Plant & Tree Trimmings)					
Scrap Metal					
Unpainted Wood & Pallets					
Other (painted wood & drywall, roofing, etc.)					
Mixed C&D*					
Trash/Garbage					
TOTAL					

* Mixed C&D is defined as a mixture of three or more materials (e.g. wood, drywall, roofing, etc.) from construction or demolition sites that will be taken to a "qualified" facility for recycling (See C&D Debris Recycling Guide).

If you are requesting an infeasibility exemption and the estimated amount reused/recycled is less than 50%, please explain why (attach additional sheets if necessary):

If the actual amount is less than 50%, please explain why:

Prepared by please print): _____ Date: _____

Contractor Signature: _____ Phone Number: _____

Conversion Rates

The following conversion rates are estimates. The ranges vary widely, depending on how the materials are handled (compacted, loose, chipped, etc.). Use the conversion factors and receipts from any previous projects to help you estimate the potential amount of materials and diversion. Take into consideration the type and load of vehicles that will be used to haul the materials. Ask your hauler or recycler to assist you in estimating these numbers.

Material	Lbs/cy	Tons/cy
Asphalt	1,400 lbs/cy	0.7 tons/cy
Brick	2,430 lbs/cy	1.21 tons/cy
Cardboard	100 lbs/cy	0.05 tons/cy
Concrete	2,600 lbs/cy (Sources range from 1,000 to 4,000)	1.3 tons/cy
Dirt/Soils	2,660 lbs/cy	1.33 tons/cy
Drywall	700 lbs/cy	0.35 tons/cy
Wood (chipped)	300 - 650 lbs/cy	0.15 - 0.3 tons/cy
Mixed C&D Debris	900 lbs/cy	0.45 tons/cy
Mixed Waste/Trash	100 - 350 lbs/cy	0.5 - 0.175 tons/cy

PART 2
CONSTRUCTION MATERIALS

Section 201 - Concrete, Mortar, and Related Materials

201-1 Portland Cement Concrete

201-1.1 Requirements

201-1.1.1 General

The following paragraph shall be added following paragraph 3:

The Contractor shall furnish the Engineer with a copy of the mix design to be used and with a legible, certified weight-master's certificate for each load of P.C.C. delivered to the project. Portland cement concrete delivered to the project site having a water content and/or slump greater than that specified in the mix design shall be rejected and removed from the project site.

201-1.1.2 Concrete Specified by Class

Portland Cement Concrete to be of Concrete Class No. 565-C. For curb and gutter, swales, catch basins, etc. 520-C -2500 shall be used for all wheelchair ramps, sidewalks and driveways.

Section 203 - Bituminous Materials

203-6 Asphalt Concrete

203-6.1 General

The following paragraph shall be added following paragraph 2:

Asphalt concrete shall be Class and Grade C2-AR-4000 for overlays and finish courses and Class and Grade B-AR-4000 for base courses.

PART 3

CONSTRUCTION METHODS

203-5.4.2.2 Emulsified Asphalt

Delete entire section and replace with 2010 Caltrans Standard Specification Section 37-3.02B(3) Asphaltic Emulsion parts (a)and(b)

300-1.3.2(b) Concrete Pavement

Add the following:

Removed concrete shall be taken by the Contractor to a concrete recycling/crushing facility approved to accept the material. The Contractor shall submit weight tickets from the facility to the Engineer. All costs relative to concrete recycling shall be included in the Bid for the items of work necessitating such removals.

300-1.3.2(c) Concrete Curb, Walk, Gutters, Cross Gutters, Driveways, and Alley Intersections

Add the following:

Removed concrete shall be taken by the Contractor to a concrete recycling/crushing facility approved to accept the material. The Contractor shall submit weight tickets from the facility to the Engineer. All costs relative to concrete recycling shall be included in the Bid for the items of work necessitating such removals.

302-4 Slurry Seal Surfacing

302-4.5 Scheduling, Public Convenience, and Traffic Control

Replace "48 hours in advance" with "72 hours in advance"

302-5.2.3 Removal and Disposition of Material

Add the following:

Should the contractor use the material on another project or dispose of it at a recycling facility, the Contractor shall submit weight tickets to the Engineer which reflect the amount of material reused or recycled. All costs relative to material recycling shall be included in the Bid for the items involved.

302-5.4 Tack Coat

The first sentence of the first paragraph shall be revised by deleting the following:

"either AR1000 paving asphalt at an approximate rate of 0.05 gallon per square yard (0.25 L/M2) or."

Paragraph 3 shall be revised by deleting the following:

"either and/or AR1000 paving asphalt."

Section 303 - Concrete and Masonry Construction

303-5 Concrete Curbs, Walks, Gutters, Cross Gutters, Alley Intersections, Access Ramps and Driveways

303-5.1 Requirements

303-5.1.1 General

The second paragraph shall be deleted and replaced with the following:

The thickness of sidewalks, gutters, cross gutters, alley intersections, access ramps, and driveway aprons shall be as shown on the plans.

Areas of miscellaneous concrete adjacent to or behind sidewalks and driveways shall be considered as a walk for the purpose of these Specifications.

No concrete shall be ordered and/or poured until the forms and subgrade have been inspected and approved by the Engineer in the field.

All pullboxes, water meter boxes, and water valve covers shall be adjusted to proposed finish grade and approved by the Engineer in the field prior to placement of the concrete: i.e., curbs, walks, gutters, etc.

Add the following:

303-5.1.4 Maximum Amount of Open Formwork Allowed

Except by permission of the Engineer, the maximum amount of open formwork allowed where concrete driveway and/or sidewalk is to be placed, shall be no more than 1,500 square feet at any time. The square footage is the collective area of formwork at all locations.

No formwork shall be allowed to remain open over a weekend. All concrete placement operations shall be completed before a weekend. Complete is defined as all debris and formwork having been removed, all concrete placed, and all existing improvements having been restored and/or replaced in kind at the Contractor's expense.

Concrete placement operations shall be executed so that all concrete placed shall be completed by 4:30 p.m. of any work day.

303-5.6 Curing

The first paragraph shall be deleted and replaced with the following:

Immediately after finishing operations are completed, Type 2 concrete curing compound shall be applied at a rate of one gallon per

150 square feet.

303-5.7 Repairs and Replacements

The following paragraph shall be added at the end of paragraph one:

The Contractor shall protect fresh concrete from graffiti and vandalism. The Contractor shall be responsible for repairing all graffiti and vandalism at the Contractor's expense to the satisfaction of the City.

303-5.10 Removal and Disposition of Material

All removed materials shall become the property of the Contractors and shall be legally disposed of by the Contractor away from the site of work. Note: There are no authorized facilities within the City of Manhattan beach

Recycling of Concrete Removals

Removed concrete shall be taken by the Contractor to a concrete recycling/crushing facility approved to accept the material. The Contractor shall submit weight tickets from the facility to the Engineer. All costs relative to concrete recycling shall be included in the Bid for the items of work necessitating such removals.

306-1.3 Backfill and Densification

306-1.3.1 General

The eighth paragraph shall be deleted with no replacement.

306-1.3.4 Compaction Requirements

Delete this subsection and replace with the following:

All trench backfill shall be densified to a minimum of 90% relative compaction except where a 95% relative compaction is called for in the plans or as required by subsection 301-1.3.

306-1.5 Trench Resurfacing

306-1.5.1 Temporary Resurfacing

The last two paragraphs shall be deleted and replaced with the following:

Payment for all materials used by the Contractor or ordered to be placed by the Engineer, including that used to maintain the temporary resurfacing until the permanent resurfacing is placed, will be considered to be included in the other items of work.

306-1.5.2 Permanent Resurfacing

This subsection shall be deleted in its entirety and replaced with the following:

Permanent resurfacing shall be in compliance with the plans and these Special Provisions.

306-1.6 Basis of Payment for Open Trench Installations

The words "excluding temporary resurfacing" shall be deleted from the second and third paragraphs.

306-7 Curb Drains

The following paragraph shall be added to the end of the subsection:

Payment for curb drains will be considered to be included in the other items of work set forth in the bid. Such payment shall include full compensation for furnishing all labor, materials, tools, and equipment and doing all work required to construct and or repair curb drains as incidentally encountered in the field.

308 Landscape and Irrigation Installation

308-4 Planting

308-4.5 Tree and Shrub Planting

Paragraphs 4 and 5 shall be deleted from the subsection and replaced with the following:

Planting shall be governed by the following requirements:

Use backfill mixture as specified below:

- Type I organic soil amendments, 25%
- Native Soil, 75%
- Commercial fertilizer and agricultural gypsum shall be added in accordance with the recommendations of the soils report.

1. Remove all plants from their containers and set in plant pits.
2. Fill to proper height with amended backfill to receive the plant and thoroughly tamp the mixture before setting the plant.
3. Set plant in upright position in the center of the hole and compact the backfill mixture around the ball or roots.
4. Thoroughly water each plant when the hole is one-half filled.

The remainder of the hole shall then be backfilled.

Set the tablets to be used with each plant on the top of the root ball while the plants are still in their containers so the required number of tablets to be used in each hole can be easily verified.

5. After watering, tamp the soil in place until the surface of the backfill is level with the surrounding area and the crown of the plant is at the finished grade of the surrounding area. Do not backfill around trunks or stems.
6. After backfilling, an earthen basin shall be constructed around each plant. Each basin shall be of a depth sufficient to hold at least six inches (6") of water. Basins shall be the same size as the container size of each individual plant. The basins shall be constructed of amended backfill material.
7. Immediately after planting, apply water to each tree and shrub by means of a hose. apply water in a moderate stream in the planting hole until the material about the roots is completely saturated from the bottom of the hole to the top of the ground.
8. Apply water in sufficient quantities and as often as seasonal conditions require to keep the planted areas moist at all times, well below the root system of grass and plants. Generally, water once each day for seven (7) days in cool seasons; for fourteen (14) days in hot weather. Berms around shrubs and trees in slopes shall be permanently maintained. In turf areas, berms shall be maintained for thirty (30) days following tree planting.
9. Pruning shall be limited to the minimum necessary to remove injured twigs and branches, and to compensate for loss of roots during transplanting, but never to exceed one-third (1/3) of the branching structure. Upon approval of the Engineer, pruning may be done before delivery of plants, but not before plants have been inspected and approved.

308-5 Irrigation System Installation

308-5.6 Flushing and Testing

308-5.6.1 General

The following paragraph shall preface the subsection:
Flushing Main Lines

Flushing of the lines shall be done before quick coupling valves and remote control valves are in place. All open ends shall be piped (temporarily) to exhaust flushing water up and out of the trenches. No water will be permitted to fall into the trench. Flushing

procedure will be to first open the ports nearest the source, then recap, and move progressively towards the end of the line, with only one open port flushing at any one time.

308-6 Maintenance and Plant Establishment

The following paragraphs shall be added following paragraph 6

Maintain all planting, starting with the planting operations and continuing for 60 calendar days, after all planting is complete and approved by the City, in writing. The maintenance period will not commence until all planting has been approved in writing by the City.

Maintenance shall include all watering, weeding, mowing, edging, cultivating, spraying, and pruning necessary to keep the plant materials in a healthy growing condition and to keep the planted areas neat and attractive throughout the maintenance period.

Provide all equipment and means for proper application of water to those planted areas not equipped with an irrigation system.

Protect all planted areas against damage, including erosion and trespassing, by providing and maintaining proper safeguards.

During the maintenance period, all plants and planted areas shall be kept well watered and weed free at all times.

In order to expedite the plant establishment work, the Contractor shall maintain a sufficient number of men and adequate equipment to perform the work herein specified from the time any planting is done until the end of the final maintenance period.

The Contractor will be relieved from maintenance work when the plant establishment and maintenance work has been completed to the satisfaction of the City.

Damage to planting areas shall be replaced immediately.

Depressions caused by vehicles, bicycles, or foot traffic are to be filled and leveled. Replant damaged areas.

Apply 25 pounds Gro-Power Plus per 100 square feet at 25th and 55th day of 60-day maintenance period.

Exterminate rodents, slugs, snails, and cutworms as required and repair damage as above.

All paved areas will be broom cleaned and/or washed and maintained in a neat and clean condition at all times, as directed by the City.

Replacements - At the end of the maintenance period, all plant material shall be in a healthy growing condition.

During the maintenance period should the appearance of any plant indicate weakness and probability of dying, immediately replace

that plant with a new and healthy plant of the same type and size without additional cost to the City.

All trees shall be guaranteed by the Contractor to live and grow in an acceptable upright position for a period of one year after completion and final acceptance by the City.

The Contractor, within 15 days of notification by the City, shall remove and replace all guaranteed plant materials which, for any reason, fail to meet the requirements of the guarantee. Replacement shall be made with plant materials as indicated or specified for the original planting, and all such replacement materials shall be guaranteed as specified for the original guaranteed materials.

Clean Up - Upon completion of the work in this section, the Contractor shall clean up and remove from the area all unused materials and debris resulting from the performance of the work as directed by the City.

308-7 Guarantee

The text of the subsection shall be deleted and replaced with the following:

The guarantee period shall begin upon final acceptance by the Engineer.

Upon acceptance, all planting, irrigation, earthwork, and trenches shall be guaranteed by the Contractor for a period of one year against defects in materials and workmanship.

Any settling of backfill trenches which may occur during the one year guarantee period shall be repaired to the City's satisfaction by the Contractor without expense to the City, including the complete restoration of damaged planting, paving, or other improvements of any kind.

The Contractor, within fifteen (5) days of notification by the Engineer, shall remove and replace all guaranteed plant materials which, for any reason, fail to meet the requirements of the guarantee. Replacement shall be made with plant materials as indicated or specified for the original planting, and all such replacement materials shall be guaranteed as specified for the original guaranteed materials.

Part 4
Additional Specifications and Instructions

A. General

The Section 2 Concrete Repair and Miscellaneous Slurry Project has been coordinated with the City's overall maintenance program, and timelines must be adhered to allow for minimal disruption to our residents. Due to high volume traffic, certain areas are specifically called out to be completed no later than August 15, 2014. These areas are typically immediately adjacent or within public schools. This will allow City forces adequate time to slurry, seal coat and stripe areas of highest traffic volume. See Section D, item 5 for details. Additionally, Contractor shall provide a work schedule and is hereby instructed to develop the schedule so that work progresses systematically from Artesia Blvd. north to Manhattan Beach Blvd. within the Section 2 boundaries.

The intent of the City is to complete all slurry and sealcoating operations located adjacent to or within the public schools prior to the start of the school year. The concrete repair schedules are to be developed to coordinate with this effort, with the areas surrounding Mira Costa High School and Pennekamp Elementary School the only schools within the broader Section 2 repair area. Manhattan Middle School, Grandview Elementary, Robinson Elementary and Meadows Elementary are outside of the main Section 2 concrete repair area, but must be completed by August 15th to meet the Manhattan Beach Unified schedule.

1. An excavation permit shall be required, along with a City business license and proof of insurance. Excavation Permit fee only will be waived and is at no charge to Contractor. City business license fees and proof of insurance documents cannot be waived
2. All sidewalk and driveway approach repairs will be completed to meet current City specifications. Refer to the City standard drawings ST-1 Standard Sidewalk and ST-2 standard driveway approach (copies attached).
3. Remove all existing asphalt and/or concrete overlays that have been used for temporary ramping purposes on existing displaced P.C.C. sidewalks or driveways. Removal of all asphaltic or cementitious ramping material shall be considered incidental to performing the required work and shall be without additional compensation.
4. Root removal shall be a minimum of 12" below sub grade of sidewalk and/or driveways. In some cases, mature trees have pushed, buckled, or otherwise misaligned curb and gutter. In these cases, the contractor shall machine grind (stump grinder, root pruner) or manually cut by use of axes or other hand tools a minimum amount of root or stump to allow the proper placement of formwork. In cases where structural roots are encountered, the City Engineer or his designee shall field determine to what extent, if any, root removal shall be modified to maintain the structural integrity of

the tree(s). Such work shall be considered incidental to performing the required concrete repair work and shall be without additional compensation. If deemed necessary, tree and stump removals shall be ordered by the Engineer and performed by the City.

5. All excavated materials, including soil, shall be disposed of off-site at the Contractor's expense. Any fill material shall be furnished at the Contractor's expense. Fill material shall consist of a non-expansive soil, devoid of organic material. Rocks over 1" and any other deleterious material shall be removed prior to placement. Engineer or his designee shall approve any and all borrow fill material(s) prior to placement. Contractor shall not be allowed to store or stage any bulk materials (soil, cold mix AC, road base, etc.) debris or spoil upon the Public Rights of Way without prior written approval of the Engineer.
6. Lawn sprinkling systems that are damaged, rerouted, or otherwise modified during the course of construction shall be reconstructed or repaired by the Contractor with like brand and model (Toro, Champion, Rainbird, etc.) parts as directed by the City. Irrigation system repairs required due to PCC repair work shall be completed within 24 hours to minimize potential damage to residential landscape. Should contractor fail to make timely irrigation repairs as contractually required, The City may elect to perform or cause to be performed, any required repair work and such costs shall be deducted from Contractor payment.
7. Private improvements (including but not limited to, landscape, sod, structures, drains, tile, PCC, fencing, walls, brick, pavers, stucco, etc.) damaged or disrupted during the course of construction shall be repaired and/or replaced to their previous condition within 5 days of occurrence. Should contractor fail to make timely repairs as contractually required, The City may elect to perform or cause to be performed any required repair work, and such costs shall be deducted from Contractor payment.
8. Except by permission of the Engineer or his designee, any sidewalk, driveway, spandrel, cross gutter or street surface that is damaged adjacent to or during the course of repairs shall be saw cut to the nearest cold joint or score mark, removed, and replaced to specification at the Contractor's expense. Any chipping, spalling, cracking, staining, displacement, etc. resulting from Contractor activities are included. Contractor shall determine the appropriate method of removal and placement, whether power, mechanical or manual, to minimize any potential for damage to adjacent improvements or paving. City reserves the right to halt and/or modify demolition activities at any time if it is determined that unacceptable levels of damage are incurred during any work activity.

The practice of using the curb and gutter as a backstop to aid the machine loading of concrete spoil, soil and/or debris is not permitted. Any damages incurred by such practice shall be noted and contractor shall be responsible for the removal and replacement of any damaged curb and gutter and without additional

compensation.

9. Repair work adjoining existing PCC curb and gutter, spandrels and ADA access ramps shall be steel dowelled. Flatwork shall be dowelled 12" on center prior to placement of PCC. Curb and gutter shall have a minimum of 4 dowels per joint.
10. 24-hour notice shall be given prior to any request for inspection. Additionally, Contractor shall hand deliver a notice to each residence impacted by repair activities a minimum of two (2) days prior to any actual on site work. Contractor shall include name address and emergency contact information on such notice and shall submit a copy of verbiage to Engineer for approval prior to distribution.
11. The Public Works Inspector will perform an initial inspection with the contractor to set and verify removal limits, locations and quantities, a second inspection to check forms and subgrade preparation, and a final inspection for the approval of work. Any additional inspections shall be charged to the Contractor according to labor rates established in the current Resolution of Fees. **The contractor is strongly encouraged to walk the entire site with the Engineer or his designee and record (photograph, video, journal, etc.) all existing conditions prior to commencement of any work, especially the operating condition of sprinkler systems and any pre-existing damages and/or conditions.**
12. Measurement and payment for removal and reconstruction of Portland Cement Concrete (P.C.C.) sidewalk, curb and gutter, cross gutters, handicap ramps, and driveways shall include, but not be limited to, saw cutting, break-out and removal, haul away and disposal, root removal, root pruning or grinding, construction (grading and compaction, PCC placement, placement of precast truncated domes, and finish) asphalt or concrete make up paving, backfill, fine grading, relocation and replacement of interfering lawn sprinkler systems, replacement of damaged landscape and/or turf with equal materials and subsequent maintenance as required, and relocation/reinstallation or protecting in place of street signs, parking meters, barricades, adjustment or replacement of damaged utility boxes, and all other appurtenant work. City shall supply new fiber cast water utility boxes to Contractor as needed and no additional compensation shall be made to remove, set, install and/or adjust utility pull boxes encountered during the course of work.
13. Contractor is responsible for the protection of open drainage facilities (spandrels, curb and gutter, swales) from nuisance flows and rainwater during the construction process. Should any excavation become saturated with water causing the subgrade or base to become unstable (soil or base pumping), it shall be the Contractor's responsibility to remove and replace the saturated soil and/or base material and re-compact prior to placement of PCC or AC materials. Any expenses incurred for this additional work and material shall be the sole responsibility of the Contractor and no additional allowance for this restorative work will be made.

14. Work upon private property requested by property owners will be allowed, but will remain a private business transaction between the contractor and the property owner. Any expenses incurred in completing such work will be paid by the property owner directly to the Contractor and without City involvement.
15. Due to its proximity to the ocean, the City of Manhattan Beach is especially sensitive to State, Federal and local environmental standards regarding runoff. Washing out of concrete trucks, trailers, or other equipment in or on the street or public right-of-way is strictly forbidden. Slurry generated during saw cutting shall not be allowed to run into the storm drain system. All sawcut slurry and/or debris generated through sawcutting operations shall be vacuum collected and disposed of off-site. Slurry residue shall be removed in its entirety while fresh from all surfaces to eliminate foot tracking and staining of adjoining areas.
16. Contractor shall not leave any excavation open for more than three (3) days without prior written permission from the Engineer. All work areas shall be kept in a neat and safe manner.

B. Maximum Amount of Open Formwork Allowed

1. Except by permission of the Engineer or his designee, no formwork or excavation shall be allowed to remain open over a weekend or holiday. All concrete placement operations shall be completed before a weekend. Complete is defined as all debris and formwork having been removed, all concrete placed, backfilled, and all existing improvements repaired/replaced in kind.
2. Except by permission of the Engineer or his designee, concrete placement operations shall be executed so that all concrete placed shall be completed and open to vehicular and pedestrian traffic by 4:30 p.m. of any work day.

In areas where traffic is particularly impacted by construction activities, i.e. schools, work will have to be completed on Saturday(s) or pupil free days (see attached MBUSD Calendar). Prior to any planned construction activity, contractor shall contact and coordinate with MBUSD Director of Operations and Maintenance Paul Ruta (pruta@mbusd.org) (310) 546-8018 x5302 and shall receive written approval from the Engineer. Contractor is to review attached location list to determine those areas specifically called out to be completed no later than August 15, 2014. Please see Section D., item 5.

3. The Contractor shall protect all fresh concrete from graffiti and vandalism. The Contractor shall be responsible for repairing, including the removal and replacement of all graffiti and vandalism at the Contractor's expense. The Engineer or his designee shall be the sole judge as to the acceptability of the restorative work, regardless of method(s) employed. Typically, "stoning" of green concrete does not produce acceptable results, often resulting in the removal and replacement of defaced work. The most effective methods employed include covering fresh work

with plastic sheeting weighed down with soil or base material and/or on-site supervision.

4. Vehicular access to residents and through traffic shall be maintained at all times except during actual construction. Upon completion of demolition, forming, placing, curing, etc., full access shall be restored through the use of steel plating. The Contractor shall, at his own expense, substitute early high strength concrete to minimize the need for long term plating needs at residential driveways. In cases where the contractor wishes to use early high strength concrete, vehicular traffic will not be allowed upon any freshly placed work until a minimum compressive strength of 2500 psi is achieved. Prior to placing any high strength concrete, a suitable concrete mix design shall be submitted to the Engineer for approval.
5. At cross street drainage swales, the use of high early strength PCC shall be required, and make up paving shall be placed within 4 days of placement. Early high strength concrete meeting a minimum 3 day compressive strength of 2500 psi (available from Paramount Ready Mix (562)630-5836; designate mix number 572-711 or Engineer approved equal). The City's intent is to open streets to regular traffic as soon as technically feasible, minimizing traffic disturbances and inconvenience to residents. **Please note that the included Standard Drawing ST-12 indicates a 6" PCC section, the City requires an 8" section for cross gutters on this project and is identified as such on page 6 of the Contractor's Proposal, bid item No.5.**

C. ADA Access Ramps (Wheelchair Ramps)

1. In cases of updating non-compliant and damaged ramps, or in conjunction with spandrel or cross gutter work, removal and replacement will be per unit costs. (refer to Contractors Proposal, item 7, page 6)
2. All wheelchair ramps shall be constructed per 2006 Edition APWA standard drawing 111-3 pages 1-10 (attached).
3. Truncated domes as required shall be ADA Solutions (800) 372-0519 www.adatale.com cast in place replaceable truncated domes detectable warning systems or Engineer approved equal.
4. **For the purpose of this contract "ADA access ramp/wheelchair ramp" shall be defined as that area bounded by the entire length of the back of walk and the face of curb, ECR to BCR. This includes cases of grade differentials that may require a retaining curb at the back of walk.** Work beyond the ECR or BCR shall be paid at the unit costs provided for curb and gutter or sidewalk. Spandrels adjacent to ADA access ramps are per the unit costs provided.

D. Sealcoat and Play Court Surface Coatings

1. School playground sealcoat shall be per Section 203.9 of the Standard Specifications for Public Works Construction. All crack

filling materials shall be compatible with sealcoat manufacturer's sealcoat product. The addition of sand or other additives shall not exceed manufacturer's specification. All striping and pavement markings upon school playground sites shall be included in the square foot price of the sealcoat or racquet court bid item.

2. Contractor shall follow site preparation as specified by sealcoat manufacture, and shall include as a minimum:

- i. All cracks shall be routed, cleaned via use of compressed air, and filled with sealcoat manufacturers recommended filler. Deeper cracks will require a minimum of 2 layers of filler prior to application of sealcoat
- ii. A dye stained glyphosate based full spectrum herbicide shall be applied a minimum of 7 days prior to crack routing and filling operations. Applicator shall submit specimen label, dilution, application rate, and total gallons used per site to Engineer at end of each day.
- iii. Contractor shall take sufficient field measurements, notes, photos, etc., and make use of sufficient markers to restore all painted lines to original dimension and color after final application of sealcoat.
- iv. Rough and weather worn areas will require pre-treatment with a sealcoat/sand mixture to ensure the final sealcoat finish presents a smooth and uniform surface.
- v. All chain link fencing shall be raised above finish grade and prior to application of sealcoat. Once cured, fence shall be returned to original condition. Under no circumstances will sealcoat be allowed to flow or otherwise be applied to the knuckled margins of chain link fencing.
- vi. All stop/starts of application will be masked off with 30lb. roofing felt to present a neat and professional join line.
- vii. All appurtenances, including but not limited to sandboxes, sheds, bumper blocks, mow strips etc. shall be masked to present a neat edge.
- viii. Surface preparation shall include weed kill, crack routing, crack filling, pre-treatment, sweeping, and powerwashing. Engineer or appointed designee shall inspect the prepared surface prior to application of sealcoat.

3. All surface preparation, crack filling, and pre-treatment of selected areas shall be included in the submitted unit price for sealcoat application.

4. The restoration of the paddle tennis courts at the Manhattan Beach Middle School shall conform with the specification provided in Attachment 11. The City has standardized on the Flexipave surfacing system

E. Type II Slurry Application

1. Slurry is specified as PMCQS-1h 2.5%

Prior to sealing each street, the Contractor shall verify that each street to be sealed has been "approved for sealing" by the

Inspector. In order for the street to be approved for sealing the Contractor shall ensure the following requirements have been performed by the Contractor to the Inspector's satisfaction.

All thermoplastic markings, painted markings and pavement markers have been removed in accordance with the following requirements:

2. All existing painted or thermoplastic traffic stripes and pavement markings within areas to receive slurry seal shall be removed prior to sealing operations, unless indicated otherwise on the Project Plans.
3. Removal of existing painted or thermoplastic striping/markings shall be performed by grinding. Removal shall be to the satisfaction of the Inspector.
4. Existing pavement markers in the areas of sealing shall be removed and disposed of by the Contractor.
5. Any pavement damaged during marker removal or pavement marking removal shall be repaired to the satisfaction of the Inspector prior to slurry sealing of the roadway. All repair work shall be at the Contractor's expense.
6. Immediately following the removal of existing pavement striping/markings and pavement markers, the Contractor shall clean and sweep roadways and on-site-paved areas to eliminate all materials attributed to or involved with removal operations. All materials shall be removed from the roadway prior to the end of each working day or as directed by the Inspector. The Contractor shall not use water to flush down streets in place of street sweeping.

Portions of streets that have been previously open to public traffic shall be subject to the following additional requirements:

7. Stop bars and legends, excluding those at intersections with collector or arterial streets may be removed up to seven (7) calendar days prior to placement of slurry seal. All other stripes and markings, including crosswalks and stop bars at intersections with collector or arterial streets requiring removal shall be removed the same day slurry seal is to be placed.
8. If pavement markers, paint or thermoplastic delineation, stop bars, or legends are removed in advance of the day of slurry seal application, the Contractor shall install temporary pavement delineation.

All vegetation has been removed in accordance with the following requirements:

9. All vegetation has been removed from all cracks in the existing paved surfaces and along the edge of pavement or gutter lips prior to placing slurry seal. A dye stained glyphosate based full spectrum herbicide shall be applied a minimum of 7 days prior to slurry application. It is the responsibility of the Contractor to

conduct its operations around ant trees encountered such that the desired slurry sealing result is accomplished without damage to the trees or embedment of leaves into the applied slurry. No trimming of trees shall be allowed without specific written permission of the Inspector. Any trimming that may be required must be approved at least two (2) working days in advance of slurry sealing operations.

Contractor shall ensure all manhole covers, valve boxes, and utility lids have been protected in accordance with the following requirements:

10. The surface of all manhole covers and miscellaneous utility covers and lids within the limits of work shall be protected from the slurry seal. All materials used to protect lids and covers shall be removed and disposed of properly after slurry sealing operations. All lids and covers shall have a clean surface after slurry sealing. Prior to application of slurry seal, the Contractor shall mark the locations of all existing utility covers and lids within the streets to be slurry sealed.

F. Additional Instructions

1. **Contractor's please note:** This section pertains to work areas adjoining privately owned PCC sidewalk and/or driveways and incidental to curb and gutter, swale or ADA access ramp work only. In areas where PCC cuts are made in displaced driveways and/or sidewalks not in contract (NIC) to accommodate formwork, the PCC cuts and resultant make up paving (AC or PCC as directed by the Engineer) **shall be a minimum of 18"** to accommodate a gradual tangential transition between new work and existing pavement displacement and/or elevation differentials. This 18" tangential zone extends to those areas that may contain turf, landscape or other landscape material. The City's intent is to provide a smooth and gradual transition from work within the rights of way to any grade differential upon private property, regardless of material. Contractors are directed to contact the City Engineer or designee when such conditions are encountered in the field to discuss limits of the tangential zone.
2. Should the Engineer determine that an 18" transition will be insufficient to maintain a safe condition, work ordered beyond the 18" shall be paid per unit prices. No exceptions shall be allowed without the written permission of the Engineer or his designee.
3. All AC street cuts (slots) required for the forming of curb and gutter, driveways, or swales must be a minimum width of 24" to accommodate compaction equipment, typically a vibrating plate compactor. Please refer to relevant sections of Standard Drawing ST-10 (attached). The typical 10" repair section is 4" AC paving placed upon 6" of base material (CMB or CAB). Such make up paving shall be included in the unit cost of the PCC and without additional compensation.

4. The bid item for placing and removing **6" AC - Non Specified** on Contractor's Proposal, page 6 is not to be confused with the make up paving required during curb and gutter, spandrel, cross gutter or swale work. This item is for minor quantities of incidental AC paving that may be encountered during the project.

5. The following designated areas adjacent to schools or other areas particularly impacted by high volume traffic and pedestrian use **shall have all PCC repairs completed, sealcoated, slurry sealed, striped, etc. no later than Friday August 15, 2014.** Completion for the purposes of this contract shall be defined as the completion of all repair work, vacation of work sites, and retrieval any required traffic control device and or signage set upon the public rights away directly related to this project.
 - i. Grandview Elementary School 455 24th St
 - ii. Manhattan Beach Middle School 1501 N Redondo Ave
 - iii. Robinson Elementary School 80 Morningside Dr.
 - iv. Pennekamp Elementary 110 S Rowell Ave.
 - v. Meadows Elementary School 1200 N meadows Ave.
 - vi. Pacific Elementary School 1214 Pacific Ave.
 - vii. Streets surrounding Mira Costa High School as indicated on Early Due Date map (attached)

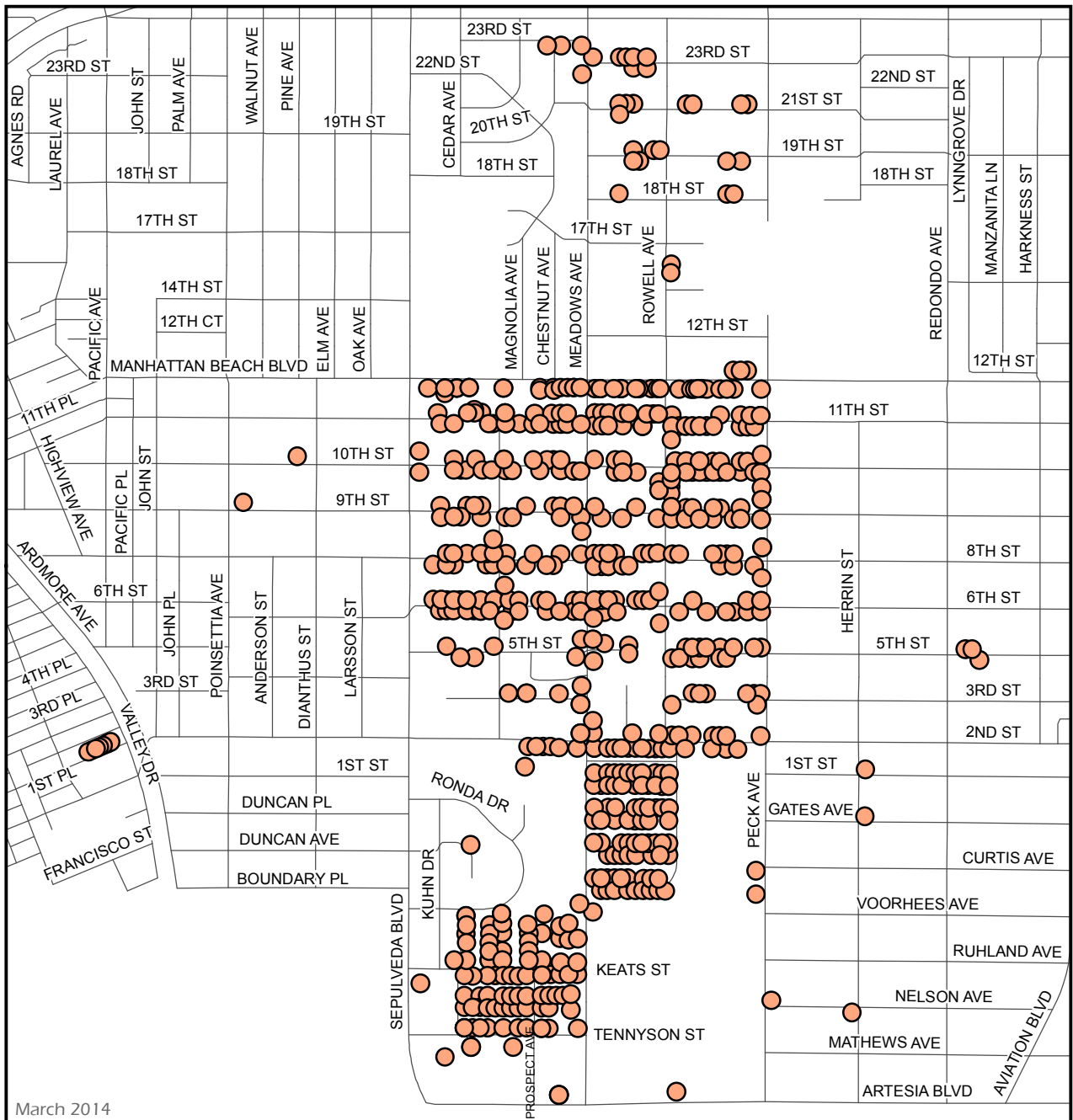
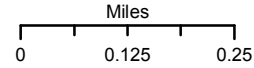
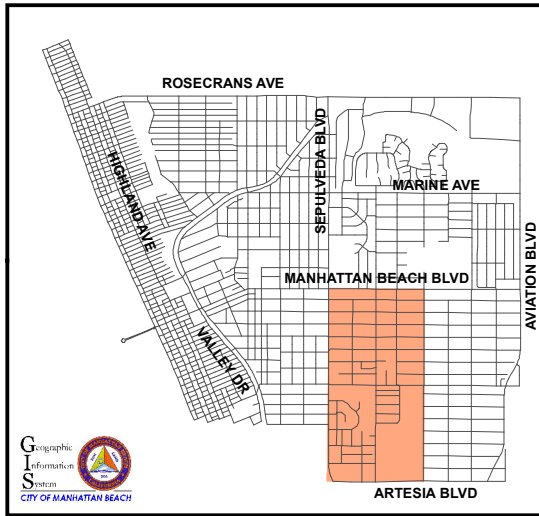
Attachments

1. Location Map
2. PCC Repair Location Address Listing
- City of Manhattan Beach Standard drawings:
3. ST-1 Driveway
4. ST-2 Sidewalk
5. ST-3 Curb and Gutter
6. ST-8 Encroachment
7. ST-10 Pavement Restoration
8. ST-12 Cross Gutter (**Note**-PCC section shall be 8", not 6" as shown on drawing. Item is identified as item No. 5 in Contractors Proposal and identified as 8")
9. ST-27 Crosswalk Markings
10. APWA Standard Drawing 111-5 pages 1-10 for ADA access ramps
11. Early Due Date Map
12. Racquet Court Specification, Manhattan Beach Middle School
13. School Site Aerial Maps W/Measurements
14. W-9 Taxpayer Identification Number

City of Manhattan Beach

Section 2

Concrete Repairs



Concrete Contractors Numbers

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JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
1600 Block	Mattehws			250.00		
100 Block *(Street)	35th St	500.00				
1131	10th St.		16.00			
1138	10th St.		8.00			
1140	10th St.	8.00	16.00			
1149	10th St.		128.00			
1152	10th St.		12.00			
1160	10th St.	20.00	22.00	10.00		
1200	10th St.		64.00	10.00		
1201	10th St.					
1206	10th St.		16.00	24.00		
1221	10th St.		16.00			
1226	10th St.	6.00	6.00			
1231	10th St.		12.00			
1237	10th St.		124.00			
1240	10th St.			8.00		
1241	10th St.		8.00			
1250	10th St.		16.00			
1256	10th St.		20.00			
1301	10th St.		16.00			
1314	10th St.		14.00			
1315	10th St.	100.00	48.00	11.00		
1320	10th St.		48.00			
1321	10th St.	48.00	112.00	3.00		
1336	10th St.			22.00		
1400	10th St.		16.00			
1401	10th St.	8.00	8.00			
1410	10th St.		36.00			
1411	10th St.	75.00	80.00	51.00		
1416	10th St.		72.00			
1420	10th St.		44.00			
1421	10th St.		56.00			
1426	10th St.		56.00	11.00		
1430	10th St.	68.00	112.00	31.00		
1431	10th St.		40.00	24.00		
1436	10th St.		96.00	3.00		
1437	10th St.		16.00			
1440	10th St.	16.00				
1450	10th St.	10.00	10.00			
1451	10th St.	8.00	16.00	12.00		
1457	10th St.	48.00		14.00		
1460	10th St.		16.00			
1466	10th St.		70.00			
1201	10th St. & Johnson					
949	10th St. & Rowell			45.00		
Trinity Lutheran Church	10th St. & Rowell		332.00	12.00	8.00	
924	10th St. & Sepulveda		80.00	14.00		
1000	10th St. & Sepulveda	8.00	78.00			
0	11th & Johnson					
1301	11th & Johnson			25.00		
1117	11th St.		32.00	20.00		
1120	11th St.			27.00		

Concrete Contractors Numbers

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JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
1130	11th St.	120.00	20.00	26.00		
1147	11th St.	80.00	204.00	52.00		
1155	11th St.		236.00	98.00		
1158	11th St.		32.00			
1160	11th St.		35.00			
1200	11th St.					
1201	11th St.	72.00	52.00	47.00		
1210	11th St.		27.00			
1220	11th St.	6.00	46.00	28.00		
1221	11th St.	6.00				
1228	11th St.		4.00			
1236	11th St.	14.00	32.00	8.00		
1237	11th St.		20.00			
1240	11th St.	6.00	92.00	6.00		
1241	11th St.			15.00		
1246	11th St.	6.00		10.00		
1247	11th St.			22.00		
1256	11th St.		12.00			
1300	11th St.		64.00	12.00		
1301	11th St.			25.00		
1304	11th St.		32.00	6.00		
1305	11th St.		4.00			
1310	11th St.		32.00			
1311	11th St.		40.00	34.00		
1320	11th St.		82.00	5.00		
1321	11th St.	84.00	120.00	50.00		
1325	11th St.					
1340	11th St.	132.00	652.00			
1341	11th St.	52.00	64.00	30.00		
1345	11th St.	92.00	24.00	22.00		
1351	11th St.		164.00	7.00		
1400	11th St.		84.00	16.00		
1401	11th St.		80.00			
1406	11th St.	70.00	84.00	33.00		
1410	11th St.	8.00	150.00	11.00		
1416	11th St.		136.00			
1420	11th St.		40.00			
1426	11th St.	16.00	18.00			
1430	11th St.		68.00			
1437	11th St.	8.00	148.00			
1450	11th St.		12.00			
1451	11th St.		32.00			
1456	11th St.		16.00	8.00		
1457	11th St.		32.00			
1460	11th St.	16.00				
1467	11th St.	12.00	36.00			
1141 & 1147	11th St.	80.00	192.00	52.00		
1201 A & B	11th St.	68.00	52.00			
0	11th St. & Johnson					
1321	18th	49.00	176.00	23.00		
1441	18th		194.00	9.00		
1447	18th	84.00		17.00		

Concrete Contractors Numbers

JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
1330	19th		16.00	33.00		
1331	19th	56.00				
1334	19th		32.00			
1345	19th	42.00		34.00		
1351	19th		19.00			
1440	19th		128.00			
1450	19th	101.00	16.00	47.00		
1300	1st		32.00			
1301	1st		76.00		13.00	
1306	1st	100.00	32.00			
1310	1st	30.00	20.00			
1311	1st	20.00	72.00			
1316	1st				12.00	
1317	1st		16.00			
1320	1st	27.00				
1321	1st		72.00		8.00	
1327	1st		44.00			
1330	1st	90.00	20.00			
1331	1st		120.00			
1336	1st		24.00			
1337	1st		15.00			
1340	1st	159.00	136.00		28.00	
1346	1st	340.00	136.00		17.00	
1347	1st		48.00			
1350	1st		64.00			
1351	1st		76.00	10.00		
1356	1st	106.00	176.00		58.00	
1357	1st		308.00		22.00	
0	1st Place & Meadows					
0	1st Place & Meadows					
0	1st Place & Rowell					
0	1st Place & Rowell					
0	1st Place & Rowell					
1320	21st		96.00			
1321	21st		44.00			
1325	21st		20.00			
1331	21st		104.00		19.00	
1411	21st		16.00			
1417	21st		136.00			
1451	21st		16.00			
1457	21st		16.00			
1212	23rd		32.00			
1220	23rd		138.00			
1232	23rd	108.00				
1301	23rd		16.00			
1321	23rd		12.00	25.00		
1325	23rd		88.00	28.00		
1330	23rd		84.00	24.00		
1331	23rd	21.00	18.00	6.00		
1340	23rd		76.00	22.00		
1341	23rd	79.00	62.00	16.00		
1222	2nd		64.00	7.00		

Concrete Contractors Numbers

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JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
1224	2nd		36.00			
1226	2nd		8.00	15.00		
1228	2nd		15.00			
1240	2nd	50.00	57.00			
1256	2nd		20.00			
1218-1220	2nd	70.00		8.00		
1300	2nd St.		212.00			
1310	2nd St.		64.00			
1316	2nd St.		48.00		16.00	
1320	2nd St.		64.00		26.00	
1326	2nd St.		84.00			
1330	2nd St.		32.00			
1336	2nd St.		76.00			
1340	2nd St.		32.00		17.00	
1346	2nd St.		76.00		26.00	
1350	2nd St.		88.00			
1356	2nd St.		32.00			
1401	2nd St.		68.00		16.00	
1407	2nd St.		16.00			
1408	2nd St.		44.00		11.00	
1417	2nd St.		32.00			
1420	2nd St.		16.00		18.00	
1426	2nd St.		8.00			
1430	2nd St.		16.00		11.00	
1431	2nd St.		32.00			
1437	2nd St.		20.00		11.00	
1441	2nd St.		22.00			
1467	2nd St.		16.00			
1201	3rd St.		55.00	11.00		
1217	3rd St.		90.00	31.00		
1217	3rd St.		30.00	18.00		
1245	3rd St.	40.00				
1256	3rd St.		16.00	10.00		
1400	3rd St.		16.00	11.00		
1417	3rd St.		16.00			
1421	3rd St.		6.00			
1427	3rd St.		22.00			
1457	3rd St.		16.00			
1461	3rd St.	28.00		12.00		
1466	3rd St.		16.00			
1467	3rd St.		20.00			
0	5th & Meadows					
0	5th & Meadows					
1127	5th St.		40.00			
1136	5th St.		16.00			
1146	5th St.		16.00			
1165	5th St.					
1305	5th St.			14.00		
1320	5th St.		16.00			
1321	5th St.	36.00	9.00	8.00		
1400	5th St.		114.00			
1404	5th St.		16.00			

Concrete Contractors Numbers

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JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
1411	5th St.		32.00			
1416	5th St.		40.00			
1417	5th St.		16.00			
1420	5th St.			8.00		
1421	5th St.		16.00			
1427	5th St.		44.00			
1436	5th St.		24.00	15.00		
1437	5th St.		36.00			
1440	5th St.		16.00			
1447	5th St.		44.00	14.00		
1461	5th St.		48.00			
1467	5th St.		16.00			
1711	5th St.		76.00			
1717	5th St.		32.00	6.00		
1720	5th St.	84.00	116.00	31.00		
1250	5th Street		172.00	16.00		
0	6th & Johnson					
0	6th & Johnson					
0	6th & Meadows					
1117	6th St.	8.00	40.00			
1123	6th St.		7.00			
1126	6th St.		16.00			
1127	6th St.		24.00			
1130	6th St.	53.00				
1131	6th St.			3.00		
1137	6th St.		32.00			
1140	6th St.	45.00	16.00			
1141	6th St.	8.00	16.00			
1146	6th St.	8.00	16.00			
1150	6th St.		32.00			
1151	6th St.		16.00			
1156	6th St.	8.00	50.00	28.00		
1161	6th St.					
1165	6th St.					
1201	6th St.			27.00		
1210	6th St.		50.00	12.00		
1211	6th St.	8.00		21.00		
1227	6th St.		56.00	14.00		
1230	6th St.		56.00			
1231	6th St.		32.00			
1240	6th St.		20.00			
1250	6th St.		182.00			
1251	6th St.		16.00			
1256	6th St.		104.00			
1257	6th St.		41.00			
1301	6th St.	36.00	104.00	35.00		1.00
1305	6th St.	32.00	20.00			
1308	6th St.		64.00			
1311	6th St.		32.00	14.00		
1315	6th St.		108.00	33.00		
1316	6th St.		32.00			
1331	6th St.	32.00	20.00	6.00		

Concrete Contractors Numbers

6/13/2014 AT 2:58 PM

JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
1337	6th St.		36.00			
1343	6th St.		88.00			
1406	6th St.		12.00	4.00		
1426	6th St.	8.00				
1431	6th St.		18.00			
1440	6th St.	20.00				
1446	6th St.		32.00	8.00		
1456	6th St.	16.00		14.00		
1457	6th St.	32.00				
1466	6th St.		192.00			
1467	6th St.	10.00	10.00			
Block 35	6th St.		16.00			
0	8th & Johnson					
0	8th & Johnson					
1116	8th St.	108.00	104.00	43.00		
1126	8th St.	18.00				
1127	8th St.	56.00	36.00	7.00		
1130	8th St.	32.00	12.00			
1131	8th St.			13.00		
1141	8th St.		16.00			
1151	8th St.	16.00				
1156	8th St.	40.00		10.00		
1157	8th St.		20.00			
1160	8th St.		4.00			
1161	8th St.	8.00	16.00			
1200	8th St.			23.00		
1201	8th St.		16.00			
1216	8th St.		12.00	6.00		
1221	8th St.		24.00			
1230	8th St.		16.00			
1236	8th St.	8.00	20.00			
1241	8th St.		32.00			
1257	8th St.		25.00			
1300	8th St.		82.00		3.00	
1301	8th St.	138.00		11.00		
1304	8th St.	50.00				
1305	8th St.	27.00	82.00	14.00		
1310	8th St.					
1310	8th St.			9.00		
1311	8th St.	109.00	29.00			
1315	8th St.	20.00				
1320	8th St.		30.00			
1324	8th St.	14.00	24.00	18.00		
1337	8th St.		16.00			
1343	8th St.			23.00		
1351	8th St.			58.00		
1401	8th St.		16.00	17.00		
1407	8th St.		9.00	3.00		
1436	8th St.		16.00			
1437	8th St.		100.00			
1441	8th St.	35.00		3.00		
1446	8th St.		94.00			

Concrete Contractors Numbers

6/13/2014 AT 2:58 PM

JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
1447	8th St.		8.00	3.00		
1460	8th St.		16.00			
Block 34	8th St.			20.00		
909	9th St.		60.00			
1120	9th St.		8.00			
1121	9th St.			12.00		
1130	9th St.	52.00				
1136	9th St.	45.00	32.00	13.00		
1141	9th St.	8.00	16.00	18.00		
1147	9th St.	57.00	8.00	18.00		
1150	9th St.		16.00			
1151	9th St.			17.00		
1200	9th St.		84.00	74.00		
1206	9th St.		31.00	7.00		
1217	9th St.		16.00			
1237	9th St.		6.00	1.50		
1240	9th St.	8.00				
1241	9th St.		32.00	8.00		
1251	9th St.	8.00	8.00			
1256	9th St.		16.00			
1301	9th St.		16.00			
1304	9th St.			33.00		
1320	9th St.			18.00		
1331	9th St.	80.00		26.00		
1350	9th St.				12.00	
1400	9th St.		90.00			
1410	9th St.		12.00	8.00		
1411	9th St.		48.00			
1417	9th St.		20.00			
1420	9th St.		20.00	6.00		
1430	9th St.	8.00	32.00			
1431	9th St.		52.00	12.00		
1437	9th St.	8.00	44.00	9.00		
1446	9th St.	79.00				
1450	9th St.	36.00		19.00		
1451	9th St.		40.00	26.00		
1464	9th St.	14.00	108.00			
1464	9th St. (& Peck)		104.00	26.00		
461	Altura		180.00	19.00		114.00
404	Altura		64.00			
418	Altura	8.00	80.00			
419	Altura		16.00			
428	Altura		36.00			
429	Altura		16.00			
439	Altura		84.00			
448	Altura	32.00	80.00			
449	Altura		144.00			
460	Altura		16.00			
461	Altura		180.00	19.00		114.00
0	Altura & Longfellow					
0	Altura & Longfellow					
0	Artesia & Meadows					

Concrete Contractors Numbers

6/13/2014 AT 2:58 PM

JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
1243	Artesia & Meadows				55.00	
1260	Bryant	20.00	4.00			
1261	Bryant	40.00	16.00			
1270	Bryant		24.00			
1271	Bryant					
1280	Bryant		16.00	41		
200	Carriage		64.00			
0	Chabela & Tennyson					99.00
0	Chabela & Keats					
0	Chabela & Keats					
0	Chabela & Keats					
0	Chabela & Keats					
0	Chabela & Longfellow					
1301	Curtis		80.00		47.00	
1307	Curtis	116.00			22.00	
1310	Curtis		16.00			
1316	Curtis	159.00				
1320	Curtis	81.00	88.00		33.00	
1321	Curtis		84.00			
1326	Curtis	8.00	24.00		7.00	
1327	Curtis	162.00	44.00			
1330	Curtis	90.00	96.00			
1331	Curtis		88.00			
1337	Curtis		136.00			
1341	Curtis	100.00	24.00			
1344	Curtis	87.00	24.00		34.00	
1347	Curtis	30.00	16.00			
1350	Curtis	73.00	48.00			
1351	Curtis		112.00		25.00	
1356	Curtis		136.00		30.00	
1357	Curtis		44.00		32.00	
1300	Gates		80.00			
1301	Gates		16.00			
1306	Gates		16.00			
1311	Gates		16.00			
1316	Gates	80.00	48.00			
1317	Gates		16.00			
1326	Gates		4.00			
1330	Gates	159.00	104.00		53.00	
1331	Gates	50.00	116.00		22.00	
1336	Gates		36.00		26.00	
1337	Gates		40.00		44.00	
1340	Gates		40.00		9.00	
1341	Gates		16.00		11.00	
1347	Gates		32.00			
1351	Gates		80.00		6.00	
1356	Gates		62.00			
1357	Gates	20.00	16.00		6.00	
0	Gates & Herrin					
0	Gates & Herrin					
0	Herrin & 1st					
501	Johnson St.	80.00		16.00		

Concrete Contractors Numbers

6/13/2014 AT 2:58 PM

JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
520	Johnson St.		100.00			
700	Johnson St.			13.00		
811	Johnson St.		20.00			
1140	Keats		32.00			
1150	Keats			18.00		
1170	Keats	30.00	56.00			
1180	Keats	16.00	28.00			
1190	Keats	36.00	20.00			
1200	Keats	60.00	16.00			
1210	Keats		16.00			
1220	Keats		20.00			
1230	Keats		54.00		10.00	
1240	Keats		20.00			
1260	Keats			4.00		
1261	Keats				13.00	
1270	Keats	78.00	54.00	17.00		
1280	Keats	68.00		8.00		
1281	Keats	120.00				
0	Keats & Altura					
0	Keats & Altura					
0-0	Keats & Kuhn					111.00
0	Keats & Prospect			45.00		1244.00
0	Kuhn & Duncan					
1100	MBB		32.00	4.00		
1120	MBB		72.00			
1120	MBB		72.00			
1130	MBB		16.00			
1130	MBB	95.00	20.00			
1130	MBB		44.00			
1140	MBB			5.00		
1140	MBB		28.00			
1200	MBB		32.00			
1200	MBB		32.00			
1226	MBB		60.00			
1226	MBB	16.00	48.00	36.00		
1236	MBB		16.00			
1236	MBB		48.00			
1240	MBB					
1246	MBB		36.00			
1250	MBB		32.00			
1250	MBB	12.00	20.00			
1256	MBB		40.00			
1300	MBB		32.00			
1304	MBB		20.00			
1304	MBB		20.00			
1314	MBB		54.00	15.00		
1320	MBB		68.00			
1320	MBB		160.00	39.00		
1338	MBB	51.00	160.00			
1340	MBB		48.00			
1350	MBB		28.00			
1356	MBB		160.00	7.00		

Concrete Contractors Numbers

6/13/2014 AT 2:58 PM

JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
1400	MBB		60.00			
1414	MBB		88.00			
1416	MBB	20.00	98.00			
1418	MBB		45.00			
1420	MBB		35.00			
1424	MBB		16.00			
1426	MBB		56.00			
1436	MBB		8.00			
1440	MBB	46.00	58.00			
1446	MBB		32.00			
1447	MBB	8.00	28.00			
1451	MBB		32.00			
1457	MBB		32.00			
1466	MBB		68.00			
West of 1120	MBB		20.00			
West of 1120	MBB		100.00			
West of 1120	MBB	350.00		40.00		
1358	MBB & Rowell	132.00	150.00		91.00	
200	Meadows		96.00		8.00	
206	Meadows		76.00	17.00		
301	Meadows			11.00		
450	Meadows		67.00	54.00		
501	Meadows		48.00			
524	Meadows		64.00			
819	Meadows					
1243	Meadows		190.00			
1256	Meadows		36.00	11.00		
1257	Meadows		32.00	10.00		
1257	Meadows		32.00	10.00		
2113	Meadows		88.00			
0	Nelson & Herrin					
615	Peck		24.00			
801	Peck		48.00			
801	Peck		32.00			
901	Peck		192.00	53.00		
919	Peck		16.00			
1011	Peck			8.00		
0	Peck			27.00		
0	Peck acrossfrom Nelson				44.00	
1467	PECK & 11TH	64.00	16.00			
901	Peck (& 9th)		192.00	53.00		
404	Prospect		104.00	33.00		
419	Prospect		32.00			
428	Prospect		16.00			
429	Prospect		16.00			
439	Prospect		16.00			
449	Prospect		16.00			
460	Prospect		48.00			
461	Prospect		142.00			
1243	Prospect		288.00			
0	Prospect & Keats					
201	Rowell		52.00		17.00	

Concrete Contractors Numbers

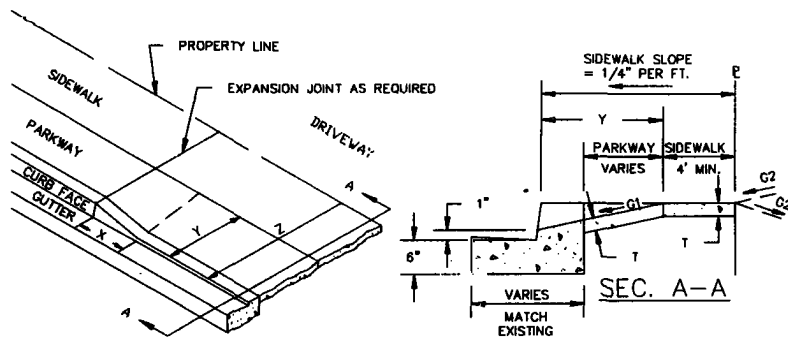
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JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
521	Rowell		48.00			
601	Rowell		60.00			
900	Rowell	60.00			36.00	
912	Rowell		40.00			
916	Rowell		20.00			
919	Rowell	18.00	64.00			
919	Rowell		28.00	9.00		
920	Rowell		16.00			
921	Rowell		20.00			
926	Rowell		52.00		22.00	
1020	Rowell		16.00			
1510	Rowell		28.00			
1600	Rowell	88.00	110.00	43.00		
900	Rowell (& 9th)	8.00		14.00	17.00	
404	S Chabela		52.00			
418	S Chabela		42.00			
428	S Chabela		16.00			
438	S Chabela		16.00			
460	S Chabela	79.00	300.00	57.00		
461	S Chabela		16.00			
500	S. Keats	13.80	386.40	4.00		
365	S. Meadows		16.00	30.00		
424	S. Meadows		16.00			
500	S. Meadows		32.00			
0	S. Peck		72.00			
303	S. Peck		28.00			
325	S. Peck		24.00			
0	S.E. Corner if Keats & Prospect					
1140	Shelley	16.00	32.00			
1141	Shelley		32.00			
1150	Shelley		24.00			
1160	Shelley	32.00				
1161	Shelley	92.00				
1170	Shelley		32.00			
1171	Shelley		76.00			
1180	Shelley		84.00			
1190	Shelley		24.00			
1191	Shelley		32.00			
1200	Shelley		32.00			
1201	Shelley		24.00			
1210	Shelley		44.00	18.00		
1211	Shelley		40.00	18.00		
1220	Shelley	44.00	388.00			
1221	Shelley		16.00			
1230	Shelley	16.00	140.00			
1231	Shelley	16.00	164.00	12.00		
1240	Shelley	36.00				
1241	Shelley		28.00			
1251	Shelley		60.00			
1261	Shelley		12.00			
1270	Shelley			6.00		
1271	Shelley		30.00			

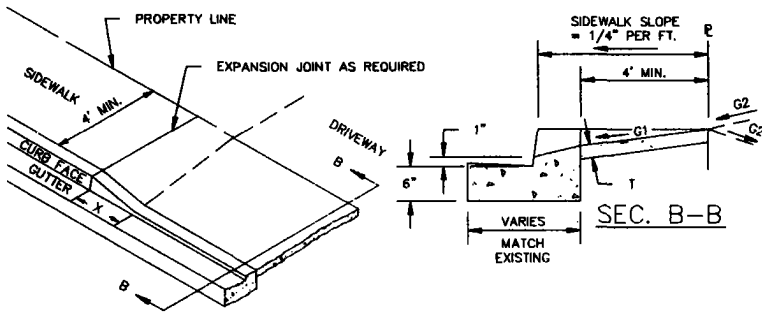
Concrete Contractors Numbers

6/13/2014 AT 2:58 PM

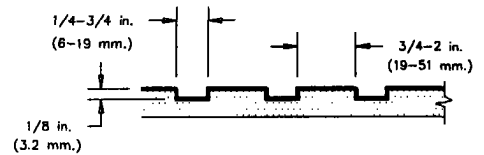
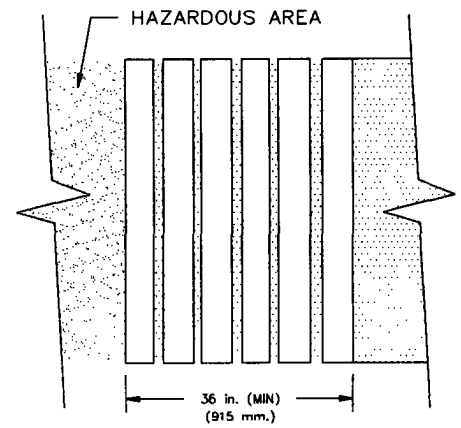
JOB HOUSE #	JOB ST	D/W SQ Ft 6"	S/W SQ FT 4"	CG-6' L/F	CG-8' L/F	X_GUTTER SQ FT,
0	Tennyson			102.00		
1133	Tennyson		412.50	51.00		
1150	Tennyson	68.00	68.00	9.00		
1151	Tennyson	2.50	350.00	24.00		
1161	Tennyson		72.00			
1171	Tennyson			3.00		
1191	Tennyson		16.00			
1211	Tennyson		32.00			
1214	Tennyson		32.00			
1221	Tennyson		72.00			
1231	Tennyson	26.00	259.50	20.00		
1241	Tennyson		50.50			
1281	Tennyson	20.00	106.00			
1150	Tennyson (CORNER LOT)		68.00	9.00		
1231	Tennyson (CORNER LOT)	26.00	259.50	20.00		
1141	Tennyson (ON CHABELA)		120.00			
1301	Vorhees		120.00			
1306	Vorhees		116.00			
1307	Vorhees		120.00		29.00	
1310	Vorhees	4.00	112.00		30.00	
1311	Vorhees		36.00			
1316	Vorhees		68.00			
1317	Vorhees		44.00		15.00	
1321	Vorhees		16.00		11.00	
1326	Vorhees		120.00		22.00	
1327	Vorhees		16.00			
1330	Vorhees	66.00				
1336	Vorhees		60.00			
1337	Vorhees		72.00		49.00	
1344	Vorhees		72.00			
1345	Vorhees	30.00	156.00		19.00	
1350	Vorhees		48.00			
1351	Vorhees		116.00			
1356	Vorhees		32.00			
1520	Wendy Way		96.00			
	SEPULVEDA ADDRESS	65.00	2,392.00	266.00	5.00	99.00
	Mira Costa High School		1,538.00	16.00	16.00	
	2nd & Valley: 513 - 545			200.00		
Totals:		8,420.30	31,913.40	4,194.50	1,268.00	1,782.00



CASE I
PARKWAY, SIDEWALK BACK FROM CURB



CASE II
SIDEWALK ADJACENT TO CURB



PLAN OF DETECTABLE WARNING SURFACE

NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," MOST RECENT EDITION, AND ALL SUPPLEMENTS THERETO AND TO THE SATISFACTION OF THE ENGINEER. Δ
2. PORTLAND CEMENT CONCRETE SHALL BE 5.5 SACK, CLASS C, 2500 psi.
3. $G1 = G2 = 15\% \text{ MAX.}$, $G1 \pm G2 = 15\% \text{ MAX.}$ UNLESS OTHERWISE APPROVED BY THE ENGINEER. Δ
4. "X" = 2'-6" FOR 6" CURB; "X" = 3'-0" FOR 8" CURB AND ALL COMMERCIAL.
5. "Y" SHALL EXTEND FROM CURB FLOW LINE TO FRONT EDGE OF SIDEWALK UNLESS DISTANCE IS LESS THAN 4' IN WHICH CASE "Y" SHALL EXTEND TO CENTER OR INSIDE EDGE OF SIDEWALK AS DIRECTED BY THE ENGINEER. Δ
6. "T" = 6" FOR ALL DRIVEWAY APPROACHES.
7. DRIVEWAY MAXIMUM WIDTH = 20'; MINIMUM WIDTH = 10'. **(RESIDENTIAL)**
8. EXISTING CONCRETE SHALL BE SAWCUT AT NEAREST SCORE MARK PRIOR TO RMOVAL.
9. SCORE SIDEWALK 1/4" DEEP TO MATCH EXISTING SCORING, OR AT 5' INTERVALS IF NO SCORING EXISTS. LONGITUDINAL SCORING REQUIRED WHEN "2" IS GREATER THAN 10'.
10. NOTIFY STREETS DIVISION AT LEAST 24 HOURS IN ADVANCE FOR INSPECTION PRIOR TO FORMING, PLACING CONCRETE, AND FINAL INSPECTION. $\text{\textcircled{2}}$
11. FINISH SHALL BE LIGHT BROOM ON SIDEWALK AREA AND MEDIUM BROOM OR FLOAT FINISH ON APPROACH AREA.
12. ALL ABANDONED DRIVEWAY APPROACHES SHALL BE REMOVED AND REPLACED WITH STANDARD CURB, GUTTER, AND SIDEWALK.
13. WHERE A COMMERCIAL DRIVEWAY IS USED AS A SIDEWALK, A 3 FOOT WIDE DETECTABLE WARNING SURFACE MUST BE CONSTRUCTED ALONG THE FULL WIDTH OF THE DRIVEWAY, PARALLEL TO THE STREET. $\text{\textcircled{3}}$

DRAWN BY: GLEN

MAR. 1994

REVISIONS

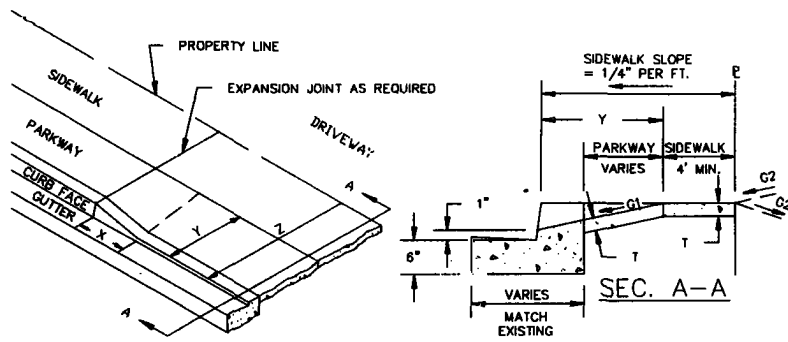
- Δ REMOVE THE WORD "CITY" FROM CITY ENGINEER. NOTE-1,3, & 5. 3-23-88 GOLEM
- $\text{\textcircled{2}}$ CHANGE THE WORD ENGINEERING DIVISION TO BE STREET DIVISION. 3-23-88 GOLEM
- $\text{\textcircled{3}}$ ADD NOTE #13.

CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS
STANDARD DRIVEWAY APPROACH

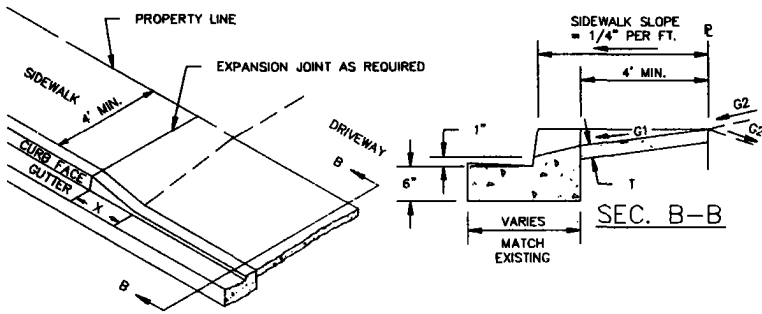
APPROVED

BY: _____
CITY ENGINEER

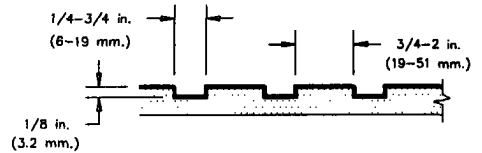
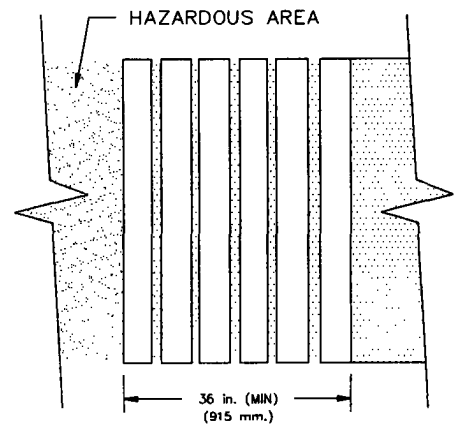
ST-1



CASE I
PARKWAY, SIDEWALK BACK FROM CURB



CASE II
SIDEWALK ADJACENT TO CURB



PLAN OF DETECTABLE WARNING SURFACE

NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," MOST RECENT EDITION, AND ALL SUPPLEMENTS THERETO AND TO THE SATISFACTION OF THE ENGINEER. Δ
2. PORTLAND CEMENT CONCRETE SHALL BE 5.5 SACK, CLASS C, 2500 psi.
3. $G1 = G2 = 15\% \text{ MAX.}$, $G1 \pm G2 = 15\% \text{ MAX.}$ UNLESS OTHERWISE APPROVED BY THE ENGINEER. Δ
4. "X" = 2'-6" FOR 6" CURB; "X" = 3'-0" FOR 8" CURB AND ALL COMMERCIAL.
5. "Y" SHALL EXTEND FROM CURB FLOW LINE TO FRONT EDGE OF SIDEWALK UNLESS DISTANCE IS LESS THAN 4' IN WHICH CASE "Y" SHALL EXTEND TO CENTER OR INSIDE EDGE OF SIDEWALK AS DIRECTED BY THE ENGINEER. Δ
6. "T" = 6" FOR ALL DRIVEWAY APPROACHES.
7. DRIVEWAY MAXIMUM WIDTH = 20'; MINIMUM WIDTH = 10'. **(RESIDENTIAL)**
8. EXISTING CONCRETE SHALL BE SAWCUT AT NEAREST SCORE MARK PRIOR TO RMOVAL.
9. SCORE SIDEWALK 1/4" DEEP TO MATCH EXISTING SCORING, OR AT 5' INTERVALS IF NO SCORING EXISTS. LONGITUDINAL SCORING REQUIRED WHEN "2" IS GREATER THAN 10'.
10. NOTIFY STREETS DIVISION AT LEAST 24 HOURS IN ADVANCE FOR INSPECTION PRIOR TO FORMING, PLACING CONCRETE, AND FINAL INSPECTION. $\text{\textcircled{2}}$
11. FINISH SHALL BE LIGHT BROOM ON SIDEWALK AREA AND MEDIUM BROOM OR FLOAT FINISH ON APPROACH AREA.
12. ALL ABANDONED DRIVEWAY APPROACHES SHALL BE REMOVED AND REPLACED WITH STANDARD CURB, GUTTER, AND SIDEWALK.
13. WHERE A COMMERCIAL DRIVEWAY IS USED AS A SIDEWALK, A 3 FOOT WIDE DETECTABLE WARNING SURFACE MUST BE CONSTRUCTED ALONG THE FULL WIDTH OF THE DRIVEWAY, PARALLEL TO THE STREET. $\text{\textcircled{3}}$

DRAWN BY: GLEN

MAR. 1994

REVISIONS

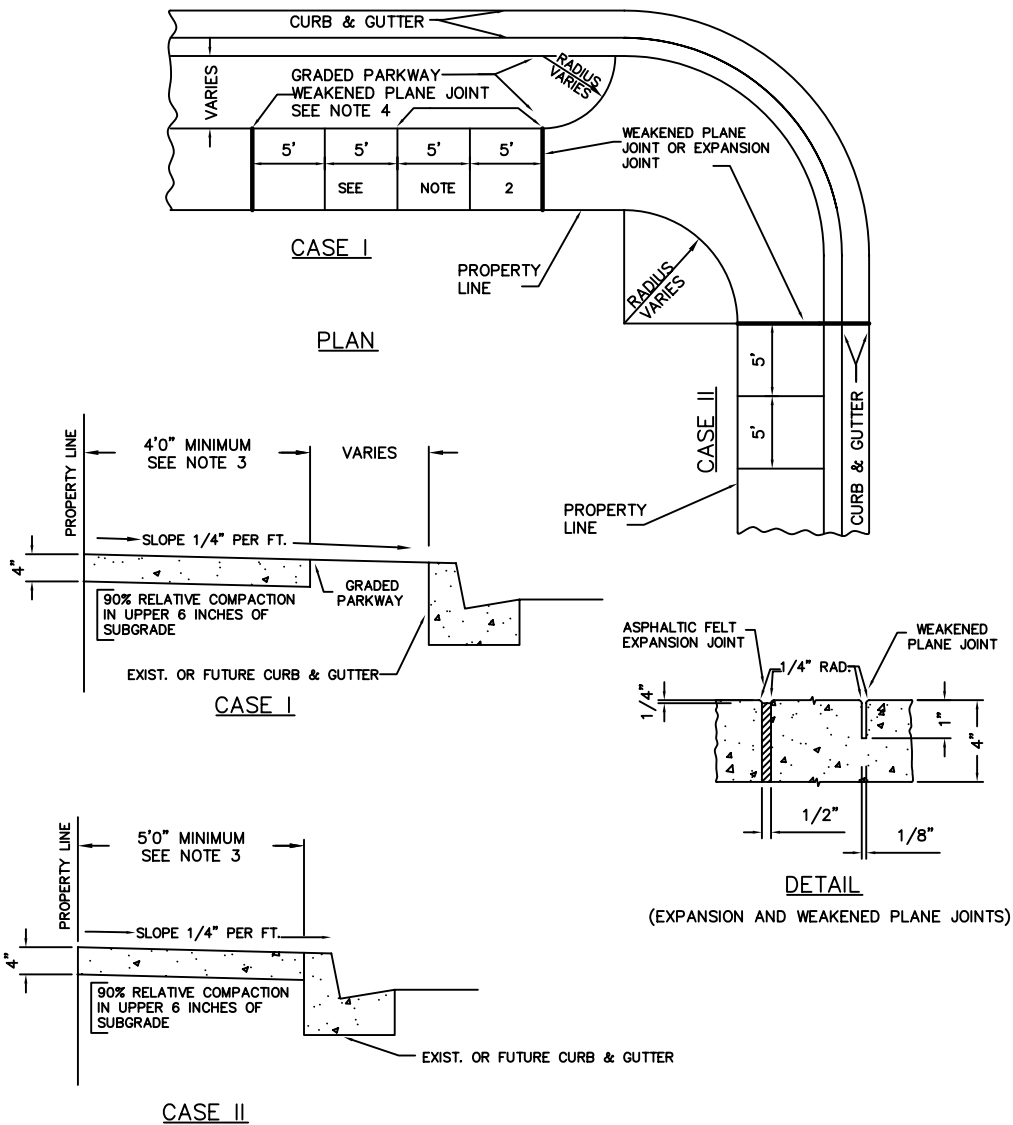
- Δ REMOVE THE WORD "CITY" FROM CITY ENGINEER. NOTE-1,3, & 5. 3-23-88 GOLEM
- $\text{\textcircled{2}}$ CHANGE THE WORD ENGINEERING DIVISION TO BE STREET DIVISION. 3-23-88 GOLEM
- $\text{\textcircled{3}}$ ADD NOTE #13.

CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS
STANDARD DRIVEWAY APPROACH

APPROVED

BY: _____
CITY ENGINEER

ST-1



NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION." MOST RECENT EDITION, AND ALL SUPPLEMENTS THERTO AND TO THE SATISFACTION OF THE ENGINEER. ①
2. PORTLAND CEMENT CONCRETE SHALL BE 5.5 SACK, CLASS C, 2500 psi.
3. MINIMUM STANDARD WIDTH SHALL BE SHOWN IN CASES I AND II. GREATER WIDTHS MAY BE ALLOWED UPON APPROVAL OF ENGINEER. ① MINIMUM STANDARD THICKNESS SHALL BE 4".
4. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT INTERVALS OF 10 LINEAL FEET OR AS DESIGNATED BY THE ENGINEER. ① SHALL BE A MINIMUM OF ONE INCH IN DEPTH AND SHALL COINCIDE WITH SCORE MARKS. SCORE MARKS SHALL BE AT INTERVALS OF FIVE FEET, TO THE DEPTH OF 1/4 INCH. UPON APPROVAL OF ENGINEER, ① SCORE MARKS MAY MATCH EXISTING SCORE PATTERN OR THE IMMEDIATE VICINITY.
5. EXPANSION JOINTS WHERE APPLICABLE SHALL BE 1/2 INCH ASPHALTIC FELT COMPOUND AND SHALL GENERALLY BE AT LINES WHERE THE PAVEMENT SECTION CHANGES IN WIDTH OR DEPTH.
6. FINISH SHALL BE LIGHT BROOM AT RIGHT ANGLES TO THE CURB LINE.
7. EXISTING CONCRETE SHALL BE SAWCUT AT NEAREST SCORE MARK PRIOR TO REMOVAL.

Drawn By: David Funk 6-12-01

**CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS
STANDARD SIDEWALK**

REVISIONS

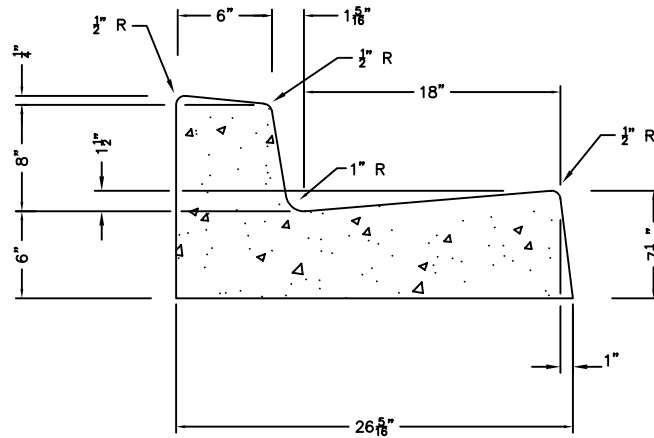
① REMOVE THE WORD "CITY" FROM THE LINE CITY ENGINEER. NOTE - 1,3,&4 3-23-88

APPROVED BY:

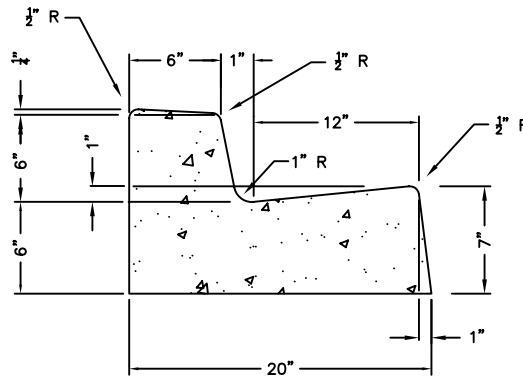
CITY ENGINEER

DATE

ST-2



STANDARD 8" CURB AND 18" GUTTER



STANDARD 6" CURB AND 12" GUTTER

NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION." MOST RECENT EDITION, AND ALL SUPPLEMENTS THERTO TO THE SATISFACTION OF THE ENGINEER.
2. PORTLAND CEMENT CONCRETE SHALL BE 5.5 SACK, CLASS C, 2500 psi.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT INTERVALS OF 10 FEET OR AS DESIGNATED BY THE ENGINEER, SHALL BE A MINIMUM OF ONE INCH IN DEPTH AND SHALL, WHERE PRACTICABLE, COINCIDE WITH THE SCORELINES ON ADJACENT SIDEWALK SURFACES.
4. EXPANSION JOINTS WHERE APPLICABLE SHALL BE 1/2 INCH THICK ASPHALTIC FELT COMPOUND AND SHALL GENERALLY BE PLACED AT LINES WHERE THE SECTION CHANGES IN THICKNESS OF WIDTH.
5. FINISH SHALL BE FINE BRUSH PARALLEL TO THE CURB LINE AND TROWEL SMOOTH FINISH FOR THE 4 INCH WIDE GUTTER FLOWLINE.
6. CURB CUTS LESS THAN 8' IN LENGTH MUST HAVE PRIOR APPROVAL OF THE PUBLIC WORKS DEPARTMENT AND MUST BE DOWELED AT EACH END WITH #4 DOWEL INTO EXISTING CURB WITH EPOXY (MIN. EMBED. = 6").

Drawn By: David Funk 6-12-01

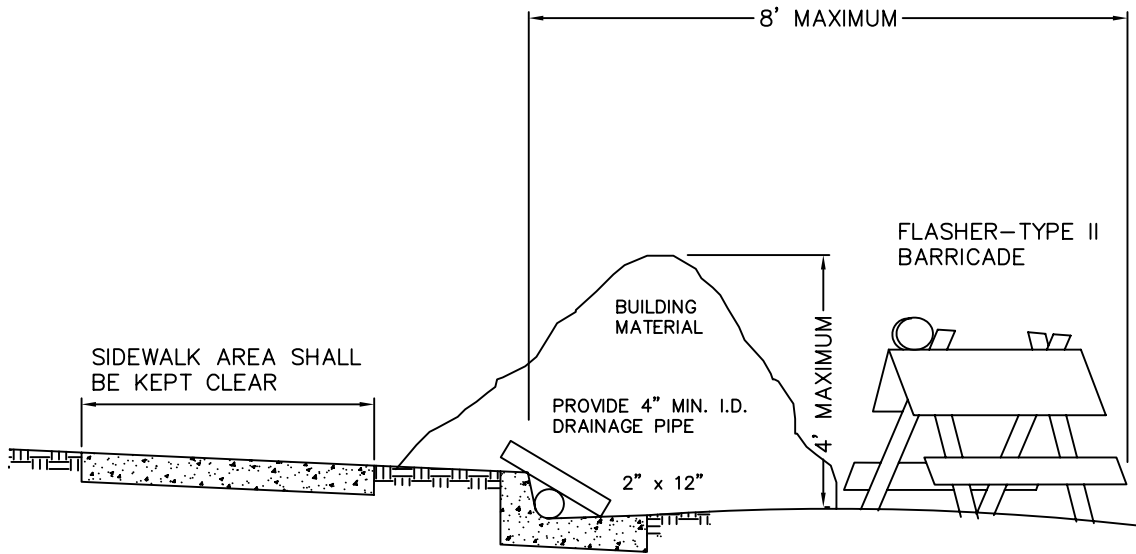
CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS
STANDARD CURB AND GUTTER

APPROVED BY:

CITY ENGINEER

DATE

ST-3



1. WHERE CURB PARKING IS RESTRICTED OR PROHIBITED, MATERIALS SHALL NOT BE STORED IN THE ROADWAY DURING THE HOURS OF RESTRICTION.
2. BUILDING MATERIALS MAY INCLUDE SAND, GRAVEL, LUMBER, SOIL, OR ANY OTHER MATERIALS USED IN CONSTRUCTION, AS WELL AS CONSTRUCTION EQUIPMENT.
3. DRAINAGE SHALL BE MAINTAINED BY PLACING A PIPE OF 4" MINIMUM DIAMETER AND A 2"x12" BOARD AS SHOWN ON THIS DIAGRAM.
4. THE SIDEWALK AREA AND JOB SITE SHALL BE KEPT CLEAN OF ALL RUBBISH AND DEBRIS, AND THE SITE SHALL BE CLEANED PROMPTLY WHEN SO NOTIFIED BY THE CITY.
5. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TYPE II FLASHER BARRICADES AS DIRECTED BY THE ENGINEER OR HIS AGENT.
6. FAILURE TO COMPLY WITH ANY OF THE CONDITIONS DEPICTED ON THIS STANDARD MAY RESULT IN THE CITY IMPOUNDING SAID MATERIALS AND/OR EQUIPMENT, OR CAUSING THE AREA TO BE CLEARED AT THE CONTRACTOR'S EXPENSE.
7. MATERIAL STORED ON THE STREET MUST COMPLY WITH NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS.

Drawn By: David Funk 5-17-01

CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS

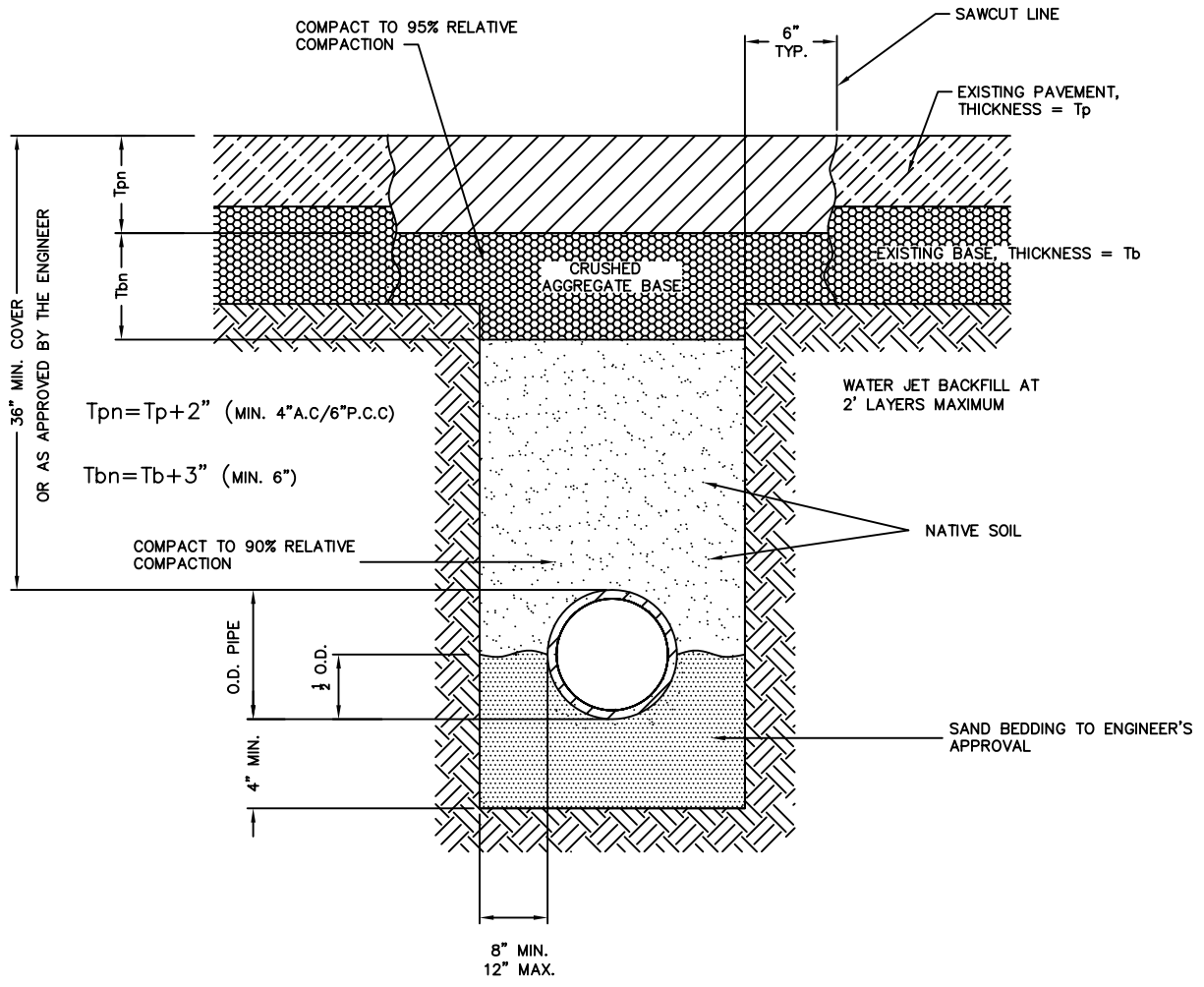
STANDARD STREET ENCROACHMENT DIAGRAM

APPROVED BY:

CITY ENGINEER

DATE

ST-8



NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", MOST RECENT EDITION, AND ALL SUPPLEMENTS THERTO TO THE SATISFACTION OF THE ENGINEER OR AS MODIFIED HEREIN.
2. CONSTRUCTION MATERIALS SHALL COMPLY WITH THE STANDARD SPECIFICATIONS.
3. ASPHALT CONCRETE SURFACE COURSE SHALL BE C2-AR-4000.
4. BASE MATERIAL SHALL BE CRUSHED AGGREGATE BASE OR CRUSHED MISCELLANEOUS BASE UNLESS OTHERWISE SPECIFIED. THE MATERIAL SHALL COMPACT TO A HARD, FIRM, UNYIELDING SURFACE AND SHALL REMAIN STABLE WHEN SATURATED WITH WATER.
5. ALL FAILED OR BROKEN PAVEMENT IMMEDIATELY ADJACENT TO THE EXCAVATION SHALL BE REMOVED AND REPLACED IN CONJUNCTION WITH THE WORK.
6. REPAIRS FOR EXCAVATIONS IN CONCRETE DRIVEWAY APPROACHES, CURB AND GUTTER, OR SIDEWALK SHALL BE MADE TO THE NEAREST COLD JOINT OR SCORE MARK.
7. IF CUT IN ASPHALT OR CONCRETE PAVEMENT FALLS WITHIN THREE (3) FEET OF A CONSTRUCTION JOINT, COLD JOINT, EXPANSION JOINT, OR EDGE, THE ASPHALT OR CONCRETE SHALL BE REMOVED TO THE JOINT OR EDGE. [3]
8. CONCRETE RESTORATION MUST BE DOWELED TO EXISTING CONCRETE PAVEMENT WITH #4 DOWELS AT 24" O.C. WITH EPOXY (MIN. EMBED. = 6")

Drawn By: David Funk 5-16-01

CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS

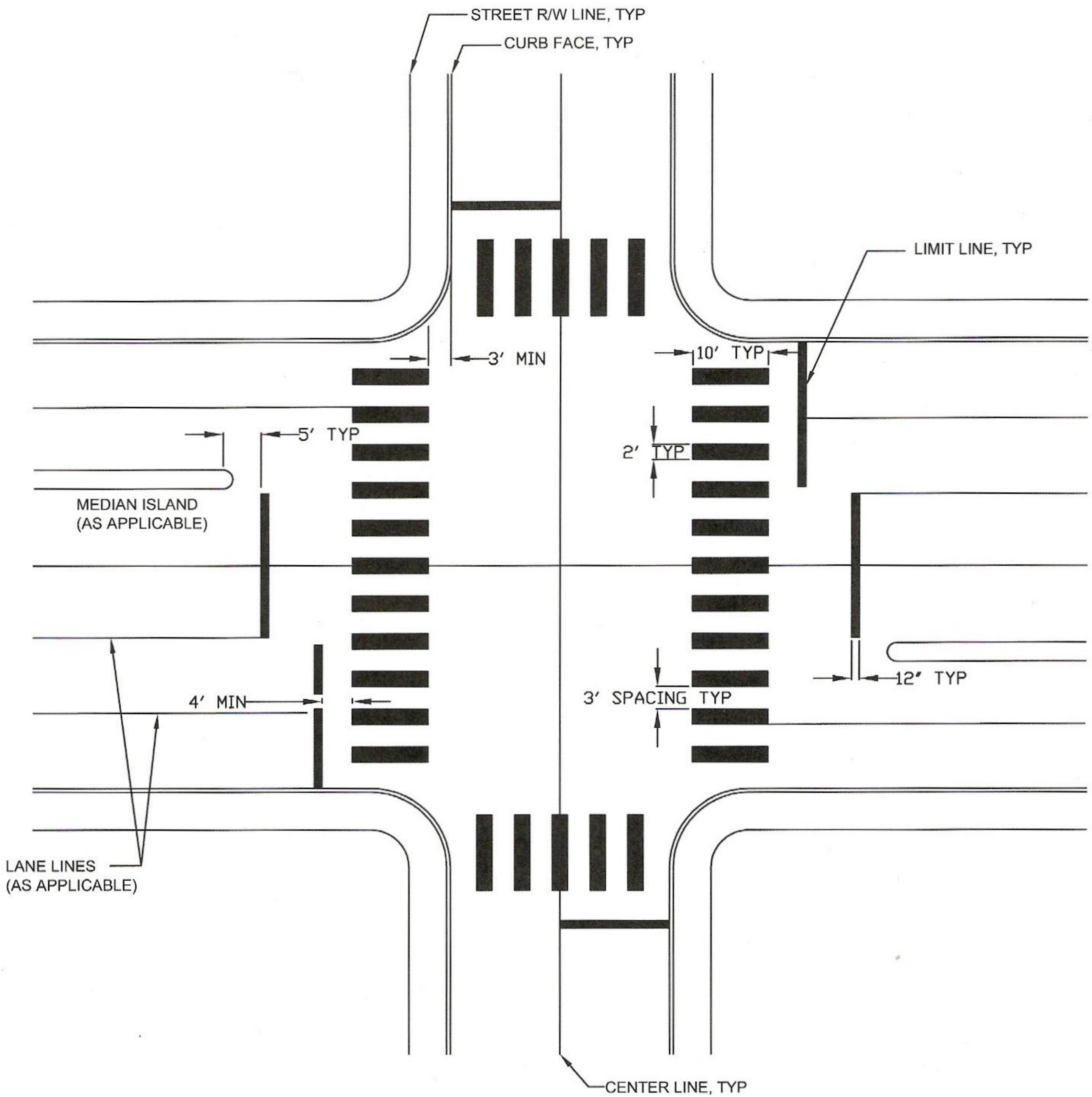
STREET EXCAVATION AND PAVEMENT RESTORATION

[3] ADD NOTE #7

APPROVED BY: _____
CITY ENGINEER

DATE _____

ST-10



NOTES

1. TWO FOOT (2') WIDE BARS TO BE CENTERED BETWEEN LANE LINES, (AS APPLICABLE).
2. TRAFFIC LINES AND PAVEMENT MARKINGS PER PLANS AND SPECIFICATIONS.

Drawn By: Tri Nguyen

1-26-09

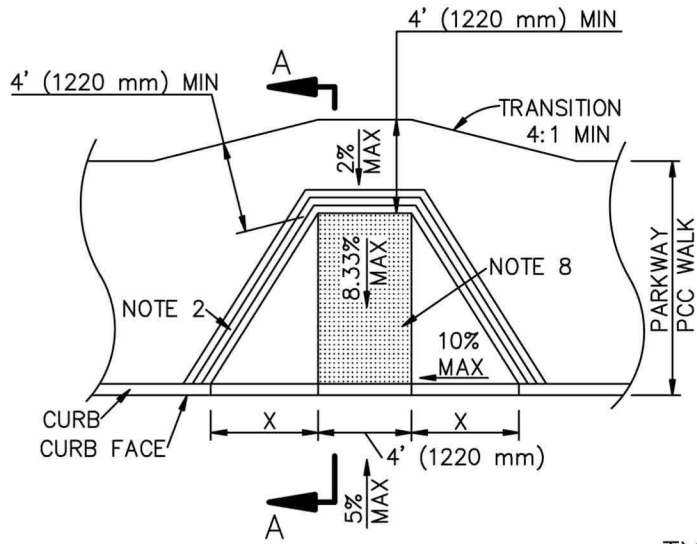
CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS
CROSSWALK MARKINGS

APPROVED BY:

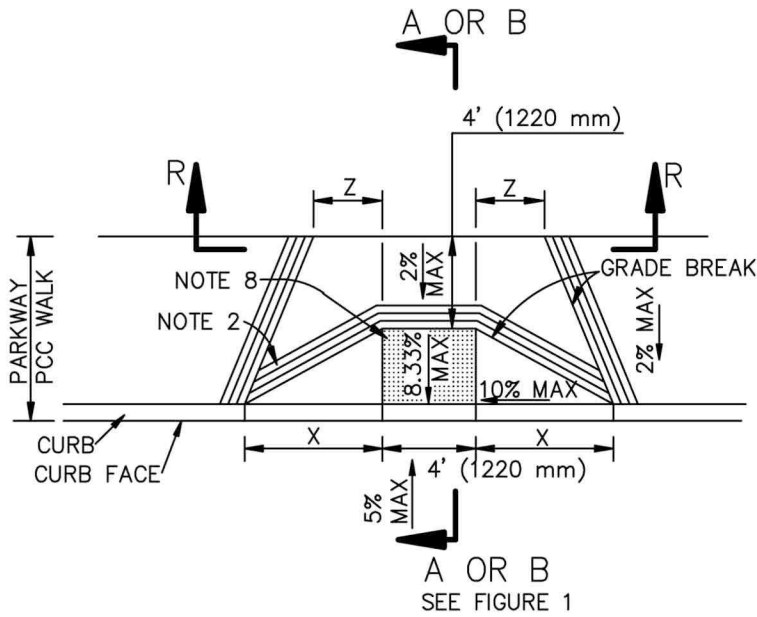
CITY ENGINEER

DATE

ST-27



TYPE 1



TYPE 2

CASE A

PARTS OF THIS STANDARD PLAN SHOW INSTALLATION FOR TYPICAL RETROFIT CONDITIONS, AND ARE NOT FULLY COMPLIANT WITH CALIFORNIA BUILDING CODE REQUIREMENTS FOR NEW DEVELOPMENT.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1992
REV. 1996, 2000, 2005, 2009,
2013

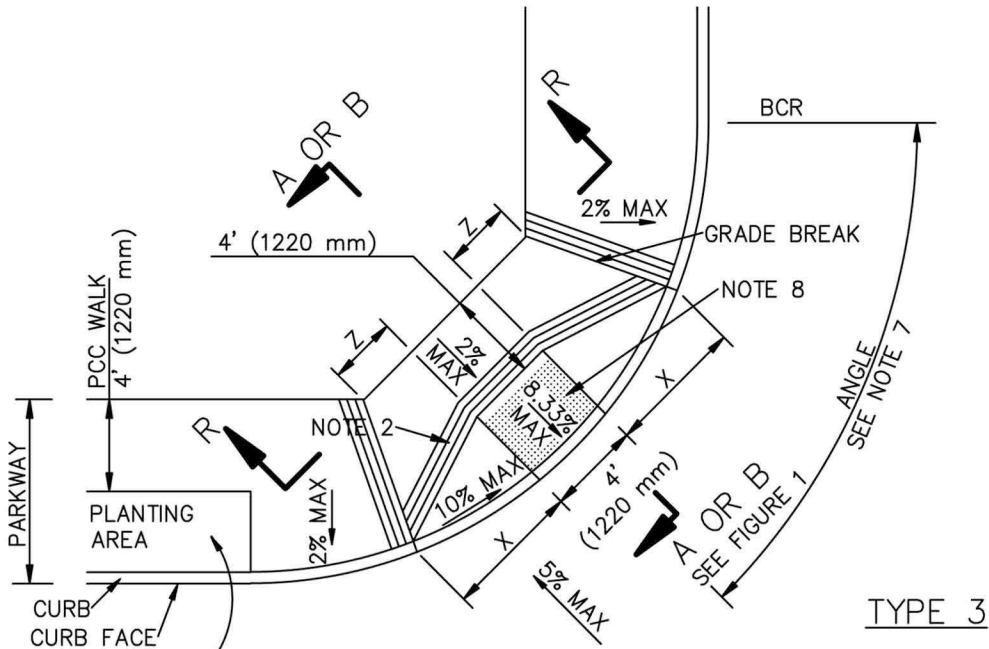
CURB RAMP

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN

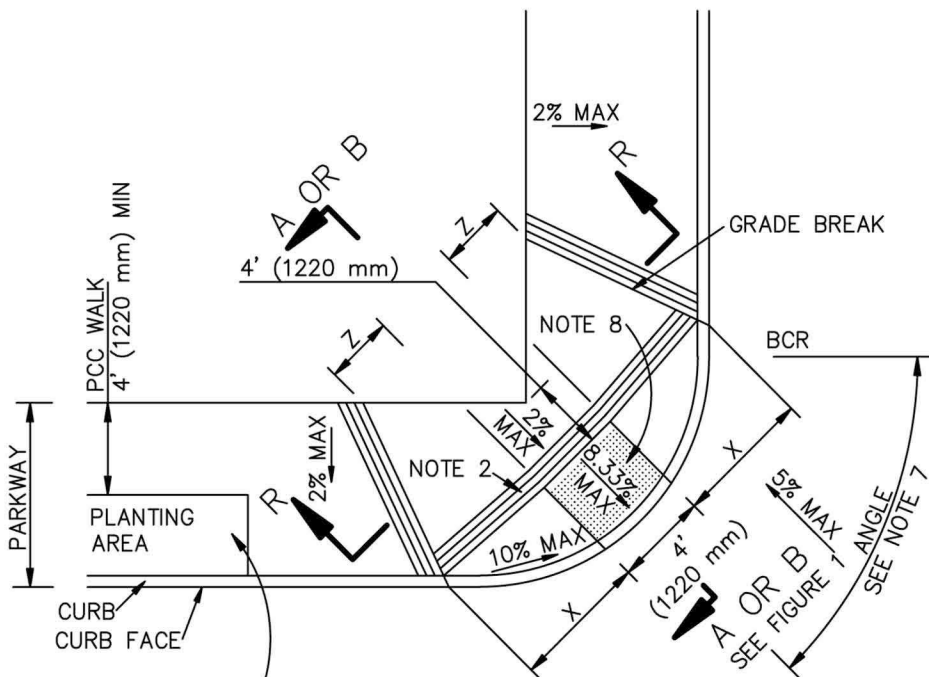
111-5

SHEET 1 OF 10



WHERE PLANTING AREA IS ADJACENT TO THE CURB RAMP, USE CASE A, TYPE 6

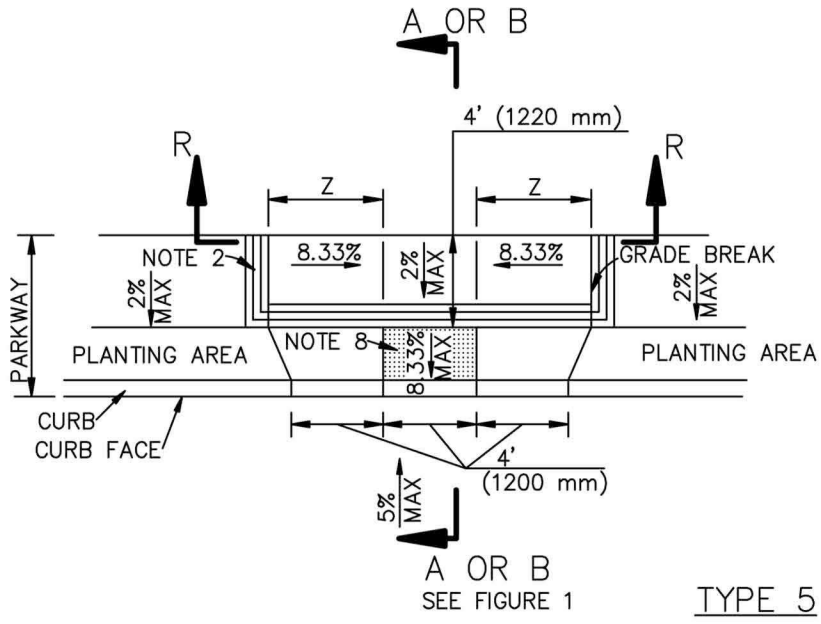
TYPE 3



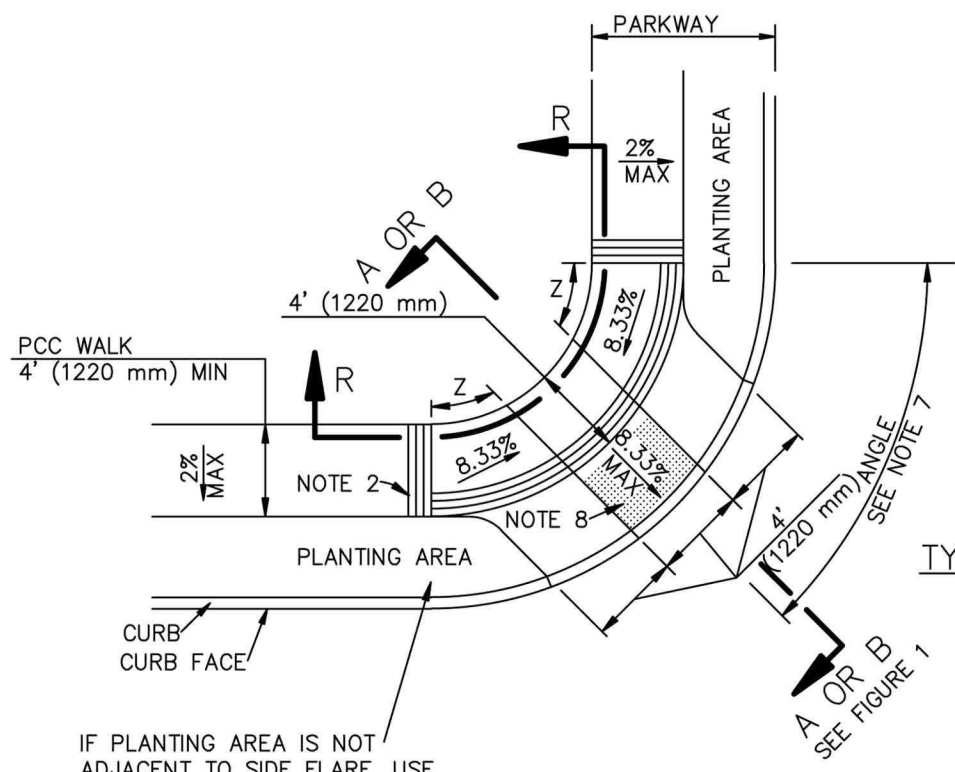
WHERE PLANTING AREA IS ADJACENT TO THE CURB RAMP, USE CASE A, TYPE 6

TYPE 4

CASE A



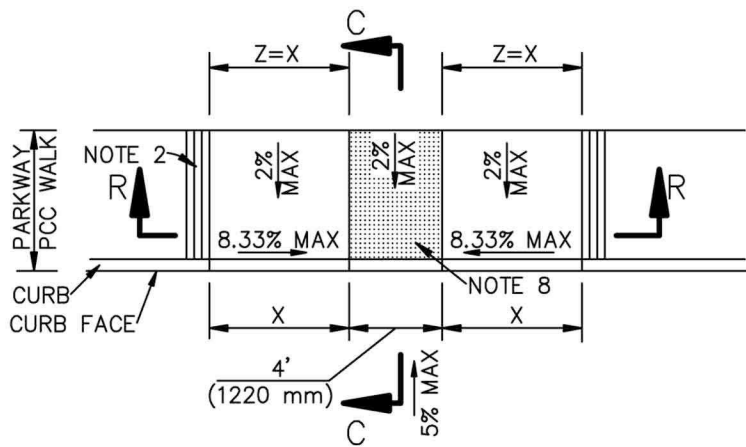
TYPE 5



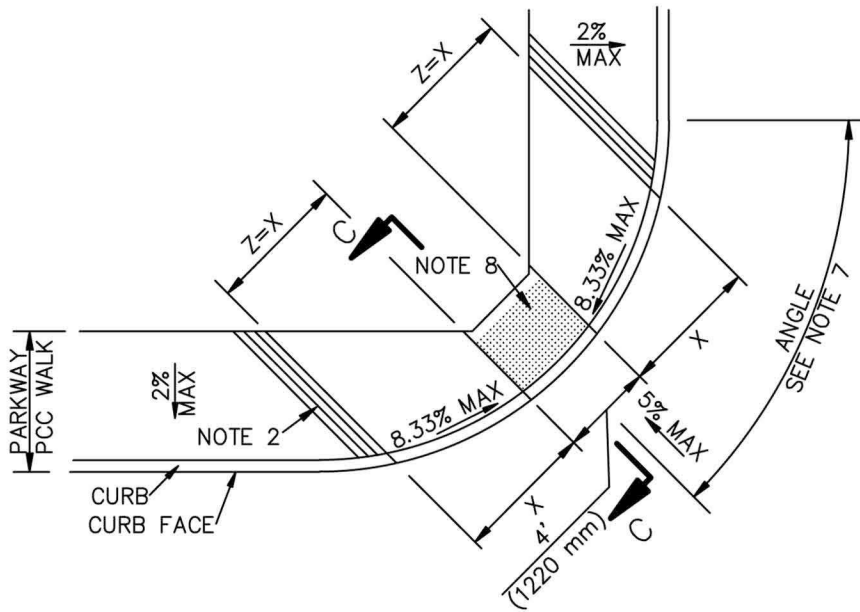
TYPE 6

IF PLANTING AREA IS NOT ADJACENT TO SIDE FLARE, USE "X" PER TABLE 2 FOR THAT FLARE

CASE A



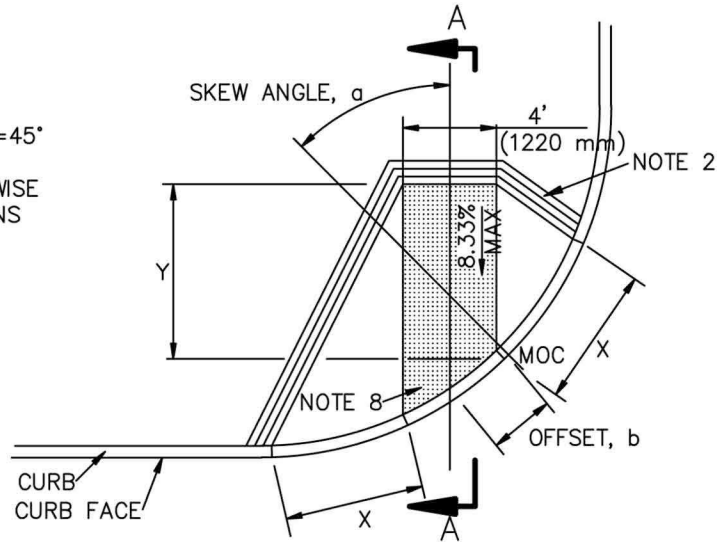
TYPE 1



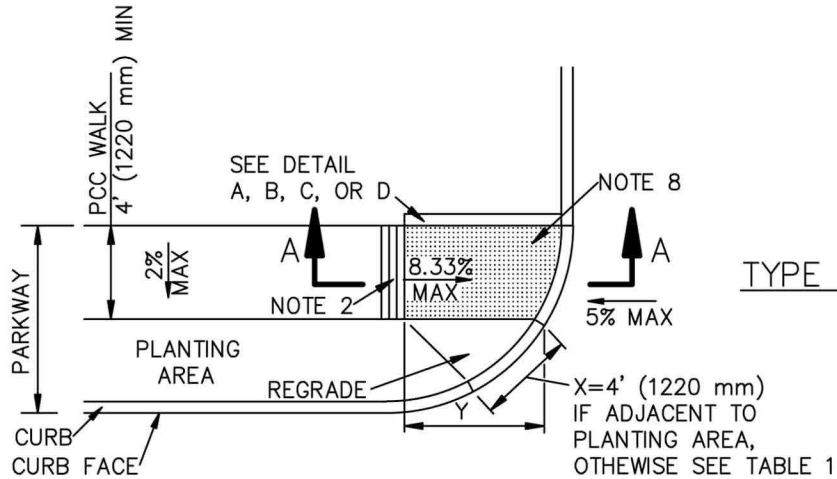
TYPE 2

CASE B

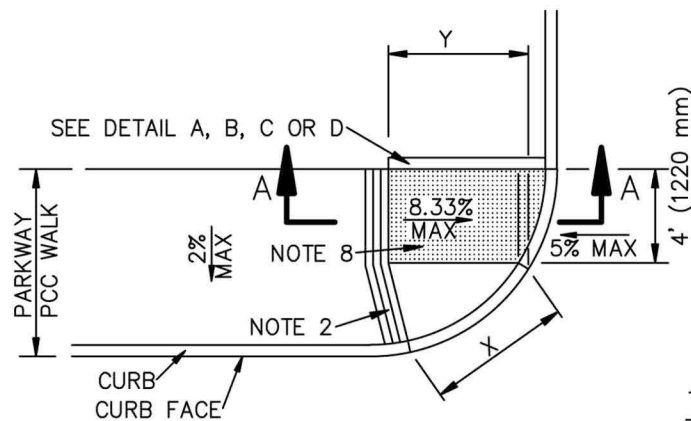
SKEW ANGLE $\alpha=45^\circ$
 OFFSET $b=0$
 UNLESS OTHERWISE
 NOTED ON PLANS



CASE C

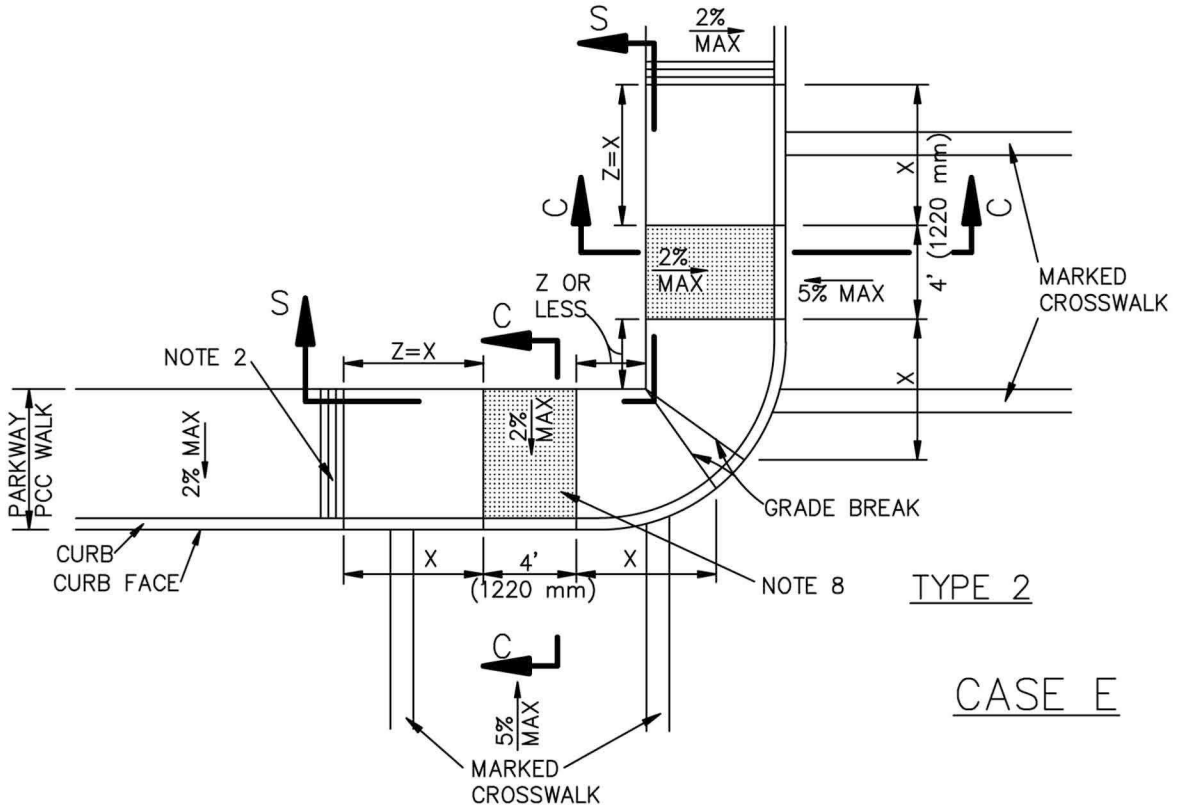
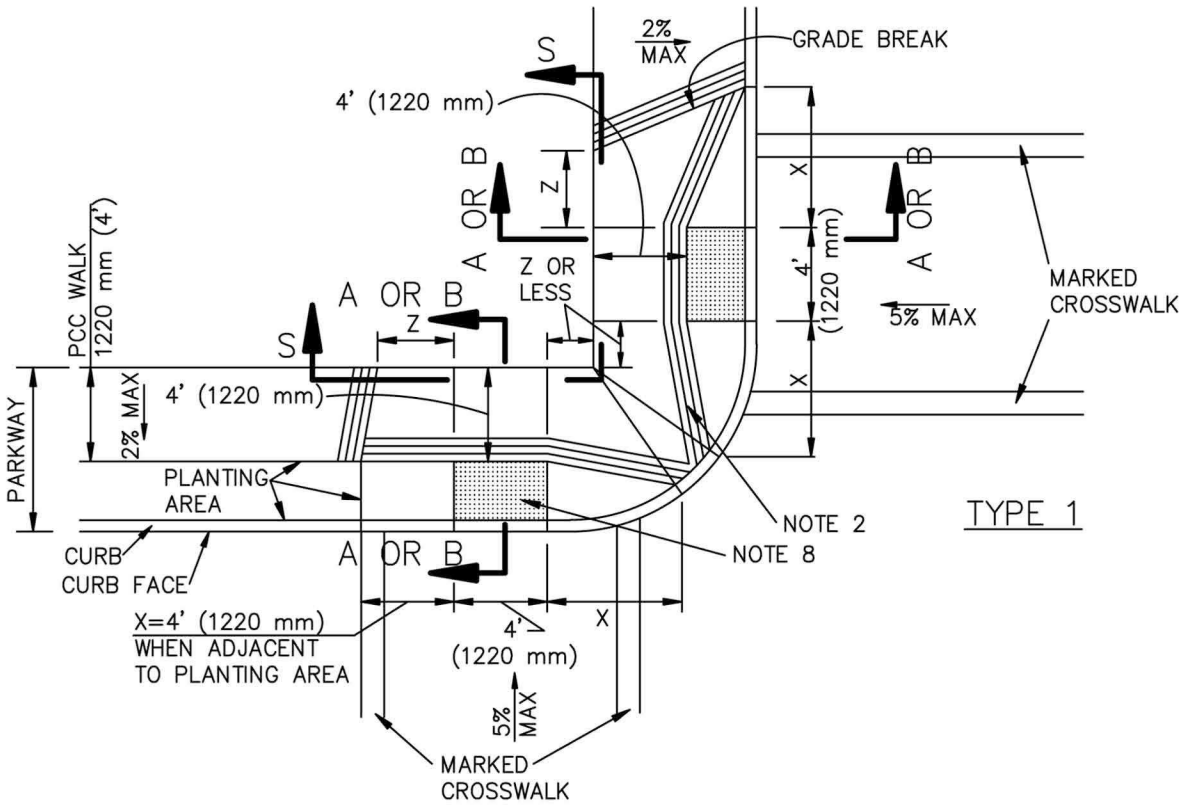


TYPE 1



TYPE 2

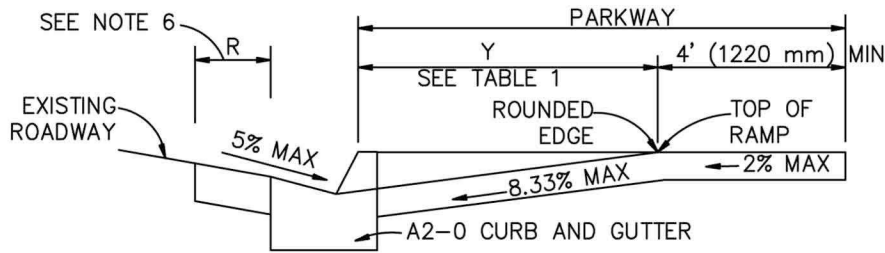
CASE D



TYPE 1

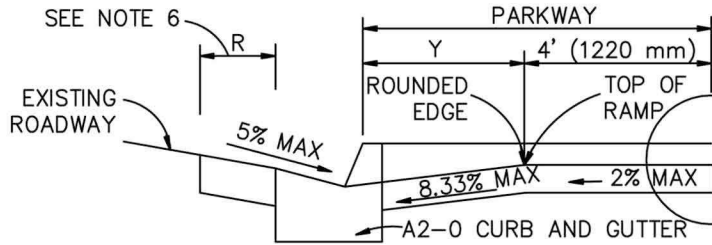
TYPE 2

CASE E



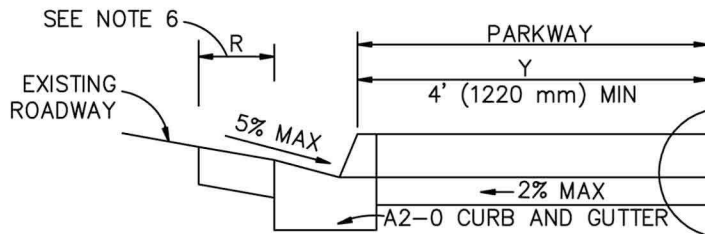
SECTION A-A

USE FIGURE 1 TO DETERMINE WHICH OF SECTIONS A-A, B-B OR C-C IS APPROPRIATE.



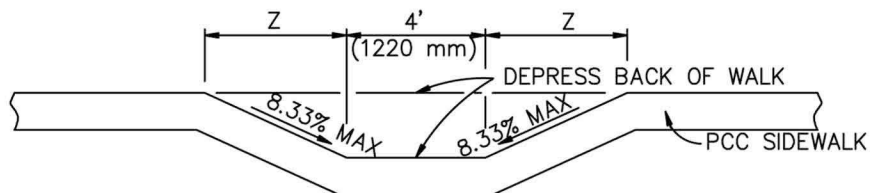
SECTION B-B

DEPRESS BACK OF WALK SEE DETAIL A, B, C OR D, SHEET 10.

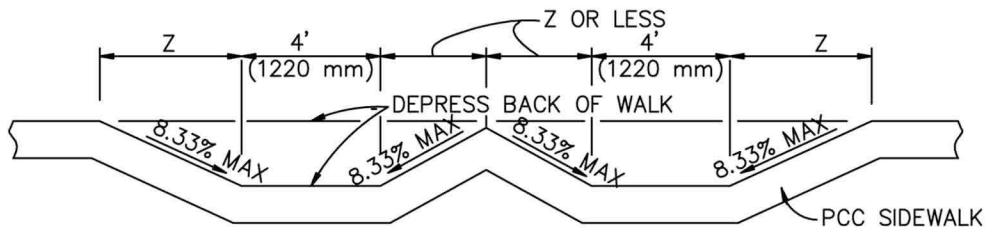


SECTION C-C

DEPRESS BACK OF WALK SEE DETAIL A, B, C OR D, SHEET 10.



SECTION R-R



SECTION S-S

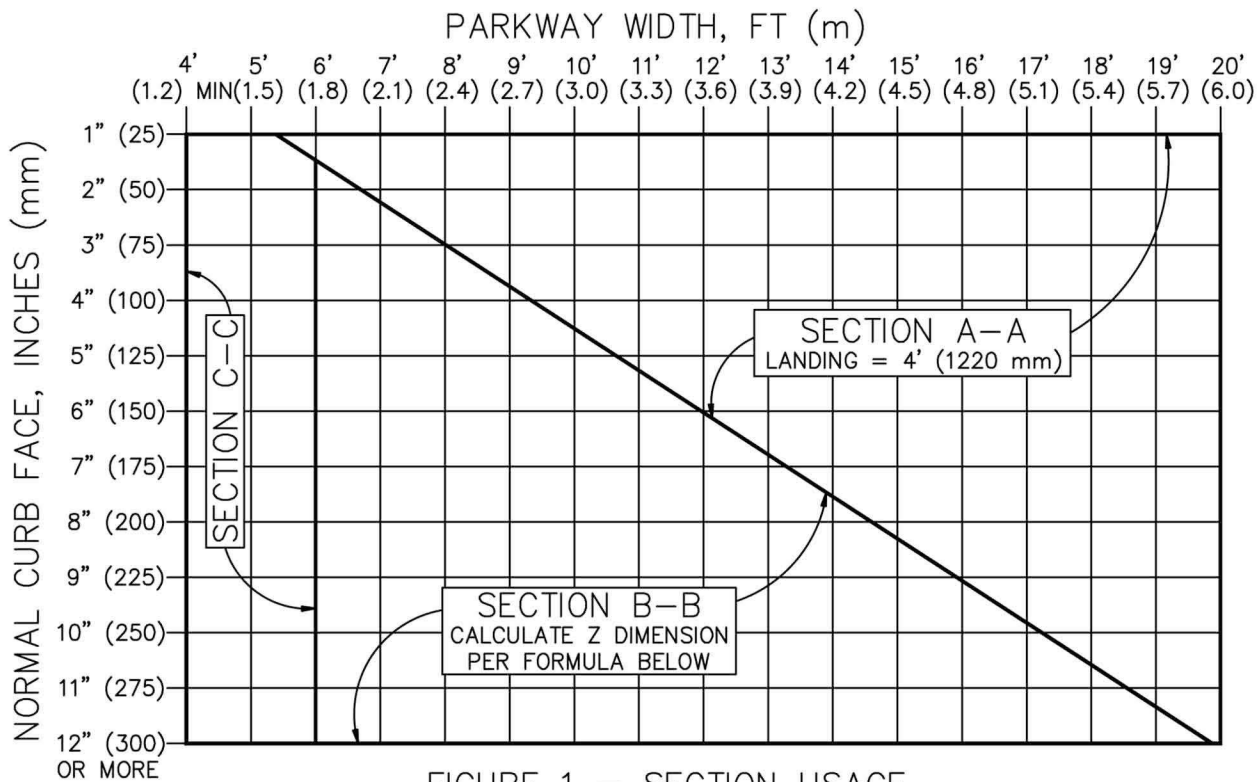


FIGURE 1 – SECTION USAGE

NORMAL CURB FACE, INCHES (mm)	X, FT (mm)	SECTION Y-Y Y, FT (mm)
2" (50)	4.00' (1220) MIN	2.63' (790)
3" (75)	4.00' (1220) MIN	3.95' (1185)
4" (100)	4.00' (1220) MIN	5.26' (1580)
5" (125)	4.17' (1275)	6.58' (1975)
6" (150)	5.00' (1525)	7.90' (2370)
7" (175)	5.83' (1775)	9.21' (2765)
8" (200)	6.67' (2035)	10.53' (3160)
9" (225)	7.50' (2285)	11.84' (3555)
10" (250)	8.33' (2540)	13.16' (3950)
11" (275)	9.17' (2795)	14.47' (4340)
12" (300)	10.00' (3050)	15.79' (4735)

WHERE FIGURE 1 SHOWS USE OF SECTION B-B, FIGURE Z DIMENSION AS FOLLOWS:

W = PARKWAY WIDTH
 L = LANDING WIDTH, 4' (1220 mm) TYP
 $Z = [(Y+L)-W] \times 0.760$

IF $(Y+L) < W$, THEN $Z = 0$

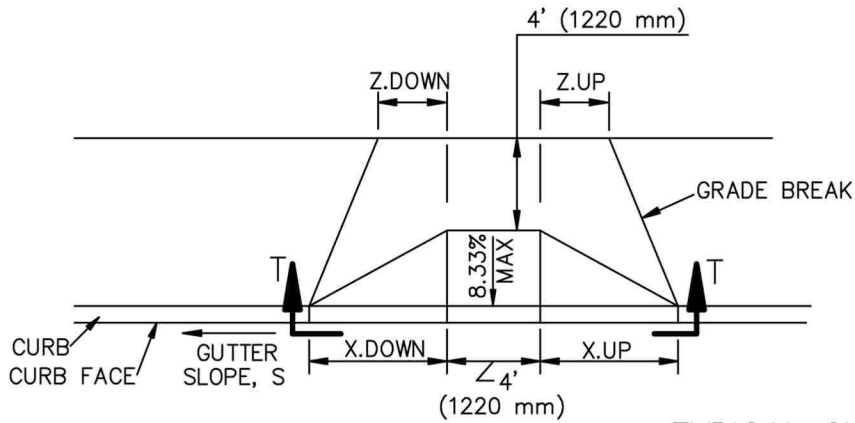
SEE SHEET 9 FOR STREET SLOPE ADJUSTMENT FACTORS, ALL STREETS

TABLE 1 – X AND Y VALUES

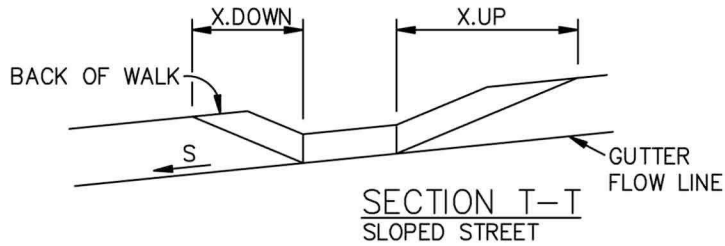
TABLE 1 REFERENCE FORMULAS:

$X = CF / 8.333\%$

$Y = CF / (8.333\% - 2\% \text{ WALK CROSS SLOPE})$



TYPICAL CURB RAMP



FOR SLOPED STREETS, MULTIPLY THE DIMENSIONS PARALLEL TO THE STREET, X AND Z, UPSTREAM AND DOWNSTREAM OF THE RAMP, BY THE FACTORS IN THE FOLLOWING TABLE.

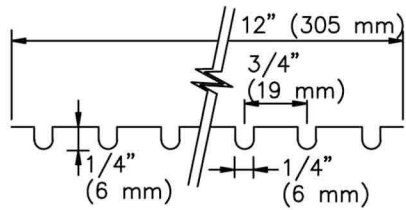
FOR EXAMPLE, $X.DOWN = X \times K.DOWN$

S	K.DOWN	K.UP
0%	1.000	1.000
0.2%	0.977	1.025
0.5%	0.943	1.064
1%	0.893	1.136
2%	0.806	1.316
3%	0.735	1.563
4%	0.676	1.923
5%	0.625	2.500

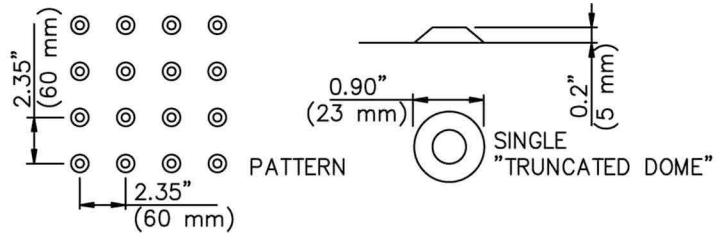
TABLE 2 – SLOPE ADJUSTMENTS

TABLE 2 REFERENCE FORMULAS:
 $K.DOWN = 8.333\% / (8.333\% + S)$
 $K.UP = 8.333\% / (8.333\% - S)$

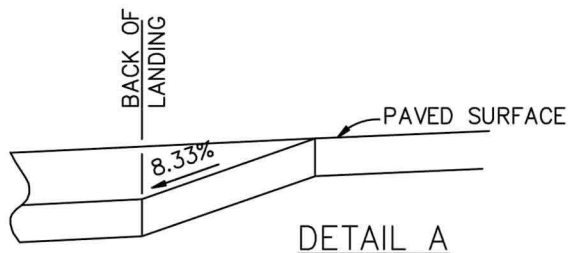
STREET SLOPE ADJUSTMENTS



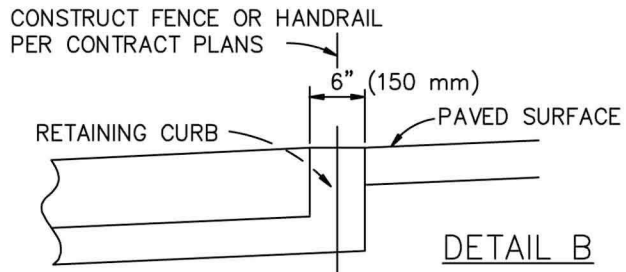
GROOVING DETAIL



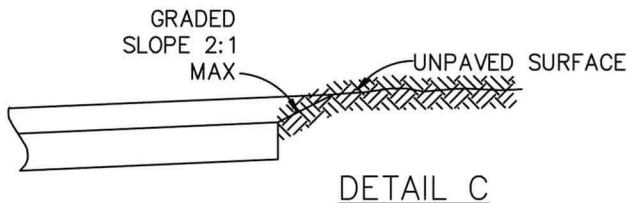
DETECTABLE WARNING DETAIL



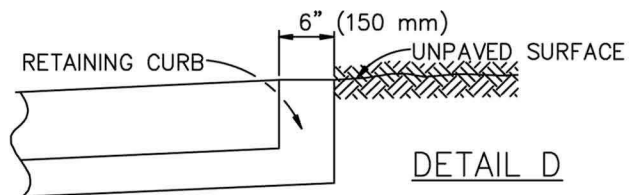
DETAIL A



DETAIL B



DETAIL C

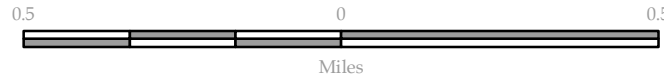


DETAIL D

GENERAL NOTES:

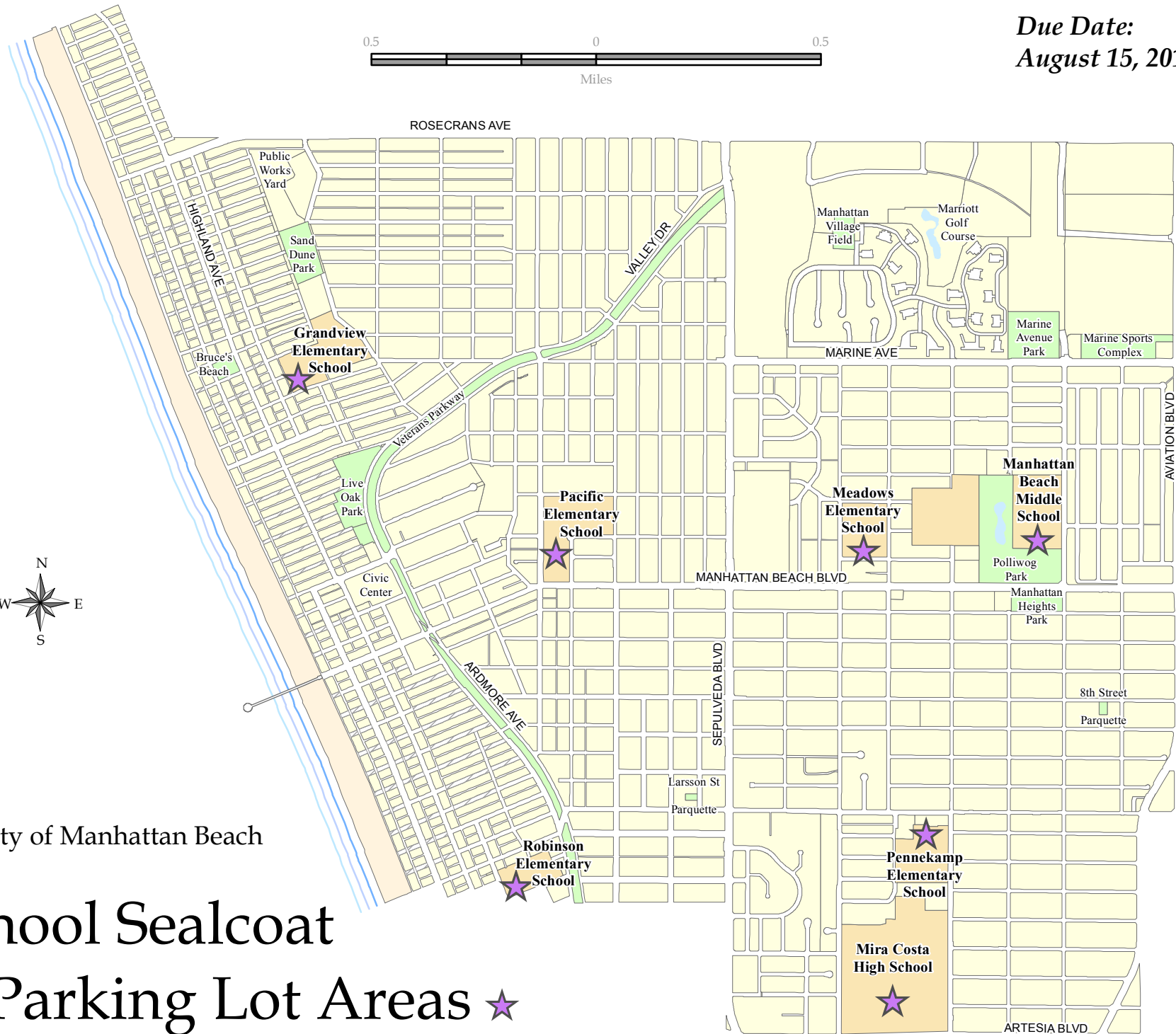
1. CONCRETE SHALL BE CLASS 520-C-2500 (310-C-17) CONFORMING TO SSPWC 201-1.1.2 AND SHALL BE 4" (100 mm) THICK.
2. THE RAMP SHALL HAVE A 12" (305 mm) WIDE BORDER WITH 1/4" (6 mm) GROOVES APPROXIMATELY 3/4" (19 mm) OC. SEE GROOVING DETAIL.
3. THE RAMP SURFACE SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE CONFORMING TO SSPWC 303-1.9.
4. USE DETAIL "A" OR "B" IF EXISTING SURFACE BEHIND LANDING IS PAVED.
5. USE DETAIL "C" OR "D" IF EXISTING SURFACE BEHIND LANDING IS UNPAVED.
6. R = 3' (900 mm) UNLESS OTHERWISE SHOWN ON PLAN. SEE SHEET 7.
7. ANGLE = $\Delta/2$ UNLESS OTHERWISE SHOWN ON PLAN.
8. CONSTRUCT DETECTABLE WARNING SURFACE PER DETAIL THIS SHEET. MATERIALS SHALL BE PER CONTRACT DOCUMENTS.

Due Date:
August 15, 2014



City of Manhattan Beach

School Sealcoat & Parking Lot Areas ★



**TEXTURED ACRYLIC COLOR SURFACING
FOR TENNIS COURTS AND PLAY AREAS – CONCRETE SURFACES**

PART 1 GENERAL

1.1 GENERAL DESCRIPTION

- A. Textured acrylic surfacing for concrete tennis courts and similar play areas.

1.2 RELATED SECTIONS

A. References

- 1. American Concrete Institute (ACI)
- 2. United States Tennis Association (USTA)
- 3. International Tennis Federation (ITF)
- 4. American Sport Builders Association (ASBA)

1.3 QUALITY ASSURANCE

- A. Surfacing shall conform to the guidelines of the ASBA for planarity.
- B. Concrete shall have a vapor barrier in accordance with ASTM E-1745.
- C. Concrete mixes should be placed with a water/cement ratio of .45.
- D. Curing compounds should not be used unless the curing compound manufacturer specifically states the surface may be coated with water based acrylic coatings.
- E. All surface coatings products shall be supplied by a single manufacturer.
- F. The contractor shall record the batch number of each product used on the site and maintain it through the warranty period.
- G. The contractor shall provide the inspector, upon request, an estimate of the volume of each product to be used on the site.
- H. The installer shall be an authorized applicator of the specified system.
- I. The manufacturer's representative shall be available to help resolve material questions.

1.4 SUBMITTALS

- A. Manufacturer specifications for components, color chart and installation instructions.
- B. Authorized Applicator certificate from the surface system manufacturer.

- A. ITF classification certificate for the system to be installed.
- B. Reference list from the installer of at least 5 projects of similar scope done in each of the past 3 years.
- C. Current Material Safety Data Sheets (MSDS).
- D. Product substitution: If other than the product specified, the contractor shall submit at least 7 days prior to the bid date a complete type written list of proposed substitutions with sufficient data, drawings, samples and literature to demonstrate to the owners satisfaction that the proposed substitution is of equal quality and utility to that originally specified. Information must include a QUV test of at least 1000 hours illustrating the UV stability of the system. Test method similar to ASTM G53. The color system shall have an ITF pace rating in Category 2. Under no circumstances will systems from multiple manufacturers be considered.

1.5 MATERIAL HANDLING AND STORAGE

- A. Store materials in accordance with manufacturer specifications and MSDS.
- B. Deliver product to the site in original unopened containers with proper labels attached.
- C. All surfacing materials shall be non flammable.

1.6 GUARANTEE

- A. Provide a guarantee against defects in the materials and workmanship for a period of one year from the date of substantial completion.

1.7 INSTALLER QUALIFICATIONS

- A. Installer shall be regularly engaged in construction and surfacing of acrylic tennis courts, play courts or similar surfaces.
- B. Installer shall be an Authorized Applicator of the specified surface system.
- C. Installer shall be a builder member of the ASBA.

1.8 MANUFACTURER QUALIFICATIONS

- A. System manufacturer shall provide documentation that the surface to be installed has been classified by the ITF as a medium pace surface.
- B. System manufacturer shall be a US owned company.

- C. System manufacturer shall be a member of the ASBA.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. California Products Corp., Andover, MA. 01810 / Plexipave System www.plexipave.com
- B. Substitutions: Submit requests at least 7 days prior to the bid date with a complete type written list of proposed substitutions with sufficient data, drawings, samples and literature to demonstrate to the owners satisfaction that the proposed substitution is of equal quality and utility to the specified product. Information must include a QUV test of at least 1000 hours illustrating the UV stability of the system. The system shall have an ITF pace rating in Category 2. Under no circumstance may the final color surface contain silica sand added at the job site.

2.2 MATERIALS

- A. Patching Mix (California Court Patch Binder) - for use in patching cracks, holes, depressions and other surface imperfections.
- B. Crack Filler (Plexipave Crack Filler) - for use in filling fine cracks.
- C. Concrete Preparer is a specially formulated acid heat for use in neutralizing the concrete in preparation for the Plexipave System.
- D. Adhesion Primer – (California TiCoat) is a two component water based epoxy primer for uncoated concrete surfaces.
- E. Acrylic Filler Course (California Acrylic Resurfacer) – for use as a filler for new or existing concrete surfaces. The 100% acrylic filler shall be blended with approved silica sand at the job site.
- F. Acrylic Color Playing Surface (Plexichrome/Plexipave Color Base) – for use as the finish color and texture. Plexichrome and Plexipave Color Base are blended at the job site to achieve the correct surface texture. *Factory Fortified Plexipave may be used as an alternative material.
- G. Line Paint (California Line Paint) – for use as the line marking on the court/play surface.
- H. Water – for use in dilution/mixing shall be clean and potable.

2.3 MATERIAL SPECIFICATIONS

- A. Court Patch Binder – 100% acrylic resin blended with Portland Cement and silica sand.

- 1) Percent solids by weight (minimum) 46%
 - 2) Weight 8.7-8.9 lbs./gallon
- B. Plexipave Crack Filler – 100% acrylic resin heavily filled with sand.
- 1) Percent solids by weight (minimum) 85%
 - 2) Percent solids by weight (minimum) 15 lbs./gallon
- C. Concrete Preparer – Phosphoric Acid based surface treatment
- 1) Percent solids by weight (minimum) 25.5%
 - 2) Weight 9.5-9.6 lbs./gallon
- D. California TiCoat – 2 component epoxy primer
- 1) Percent solids by weight (minimum) 34.6-34.8%
 - 2) Weight 8.55-8.70 lbs./gallon
- E. California Acrylic Resurfacer – 100% acrylic resin (no vinyl copolymerization constituent).
The product shall contain not less than 3.5% attapulgate.
- 1) Percent solids by weight (minimum) 26.7%
 - 2) Weight 8.7-8.9 lbs./gallon
- F. Plexichrome – 100% acrylic resin (no vinyl copolymerization constituent) with selected light fast pigments. Green shall contain not less than 8% chrome oxide.
- 1) Percent solids by weight (minimum) 36.5%
 - 2) Weight 10.0-10.2 lbs./gallon
- G. Plexipave Color Base – 100% acrylic resin containing no vinyl copolymerization constituent.
Contains not more than 63% rounded silica sand.
- 1) Percent solids by weight (minimum) 74%
 - 2) Weight 13.1-14.1 lbs./gallon
- H. California Line Paint – 100% acrylic resin containing no alkyds or vinyl constituents. Texturing shall be rounded silica sand.
- 1) Percent solids by weight (minimum) 60.5%
 - 2) Weight 12-12.3 lbs./gallon

All surfacing materials shall be non-flammable and have a VOC content of not less than 100g./ltr. Measured by EPA method 24.

Local sands are not acceptable in the color playing surface. Sands must be incorporated at the

manufacturing location to insure quality and stability.

PART 3 EXECUTION

3.1 WEATHER LIMITATIONS

- A. Do not install when rainfall is imminent or extremely high humidity prevents drying.
- B. Do not apply unless surface and air temperature are 50°F and rising.
- C. Do not apply if surface temperature is in excess of 140°F.

3.2 PREPARATION FOR ACRYLIC COLOR PLAYING SYSTEM

A. Clean surfaces of loose dirt, oil, grease, leaves, and other debris in strict accordance with manufacturer's directions. Pressure washing will be necessary to adequately clean areas to be coated. Any areas previously showing algae growth shall be treated with Clorox or approved product to kill the organisms and then be properly rinsed.

B. Holes and cracks: Cracks and holes shall be cleaned and a suitable soil sterilant, as approved by the owner, shall be applied to kill all vegetation 14 days prior to use of **Court Patch Binder** according to manufacturer's specifications.

C. Depression: Depressions holding enough water to cover a five cent piece shall be filled with Court Patch Binder Patching Mix. 3 gallons of Court Patch Binder, 100 lbs. 60-80 silica sand, 1 gallon Dry Portland Cement (Type I). **This step shall be accomplished prior to the squeegee application of Acrylic Resurfacer.** The contractor shall flood all the courts and then allow draining. Define and mark all areas holding enough water to cover a nickel. After defined areas are dry, prime with tack coat mixture of 2 parts water/1 part Court Patch Binder. Allow tack coat to dry completely. Spread Court Patch Binder mix true to grade using a straight edge (never a squeegee) for strike off. Steel trowel or wood float the patch so that the texture matches the surrounding area. Never add water to mix. Light misting on surface and edges to feather in is allowed as needed to maintain work ability. Allow to dry thoroughly and cure.

NO WORK FROM THIS STAGE ON SHALL COMMENCE UNTIL AN INSPECTOR HAS ACCEPTED THE SURFACE.

D. Acid Treatment: Concrete Preparer shall be applied to all uncoated concrete surfaces at the rate of .01 to .012 gallon per square yard. Dilute 1 gallon of Concrete Preparer with 4 gallons of potable water. Apply liberally to the surface and spread with a soft hair push broom. After the surface has dried remove any dust or latent material.

E. Primer: California Ti Coat shall be applied to all uncoated concrete surface prior to application of filler materials. Apply at an application rate of .025-.03 gallon per square yard.

1. Mix component A with Component B at a ratio of 1:1. Let stand for 20-30 minutes prior to use.

2. Apply with a short nap phenolic core roller.

3. Allow the Ti Coat to dry for approximately 1-3 hours until the surface is slightly tacky to the touch. In no case shall the surface be left overnight before receiving an application of Acrylic Resurfacer.

F. Filler Course. (Acrylic Resurfacer): On the properly applied Ti Coat the filler course shall be applied to the clean underlying surface in one application to obtain a total quantity of not less than .06 gallon per square yard based on the material prior to any dilution. Acrylic Resurfacer may be used to pre-coat depression and crack/hole repairs to achieve better planarity prior to filler course application.

1. Over a properly repaired surface of concrete on existing courts, apply one coat of Acrylic Resurfacer according to the following mix:

Acrylic Resurfacer	55 gallons
Water	20 - 40 gallons
Sand	600-800 pounds / 60-80 mesh
Liquid Yield	112-138 gallons

On new concrete, two coats of Acrylic Resurfacer may be used to properly fill all voids in the asphalt surface. Use clean, dry 50-60 mesh sand and clean, potable water to make mixes. The quantity of sand and water in the above mix may be adjusted within above limits to complement the roughness and temperature of the surface.

2. Mix the ingredients thoroughly using accepted mixing devices and use a 70 Durometer rubber bladed squeegee to apply each coat of Acrylic Resurfacer as required.

3. Allow the application of Acrylic Resurfacer to dry thoroughly. Scrape off all ridges and rough spots prior to any subsequent application of Acrylic Resurfacer or subsequent cushion or color surface system.

3.3 APPLICATION OF ACRYLIC COLOR PLAYING SURFACE

A. All areas to be color coated shall be clean, free from sand, clay, grease, dust, salt or other foreign matters. The Contractor shall obtain the Engineer's approval, prior to applying any surface treatment.

B. Blend color base and Plexichrome with a mechanical mixer to achieve a uniform Fortified Plexipave mixture. The mix shall be:

Color Base	30 gallons
Plexichrome	20 gallons
Water	20 gallons

C. Application shall be made by 50 durometer rubber faced squeegees. The Fortified Plexipave mixture should be poured on to the court surface and spread to a uniform thickness in a regular pattern.

D. A total of 3 applications of Fortified Plexipave shall be made to achieve a total application rate of not less than .15 gal./sy. No application should be made until the previous application is thoroughly dry.

3.4 LINE PAINTING

A. Line shall be 2" wide unless otherwise noted on the drawings. Lines shall be carefully laid out in accordance with ASBA and USTA guidelines. The area to be marked shall be taped to insure a crisp line. The California Line Paint shall have a texture similar to the surrounding play surface. Application shall be made by brush or roller at the rate of 150-200 sg./gal. (3/4 gal. per tennis court).

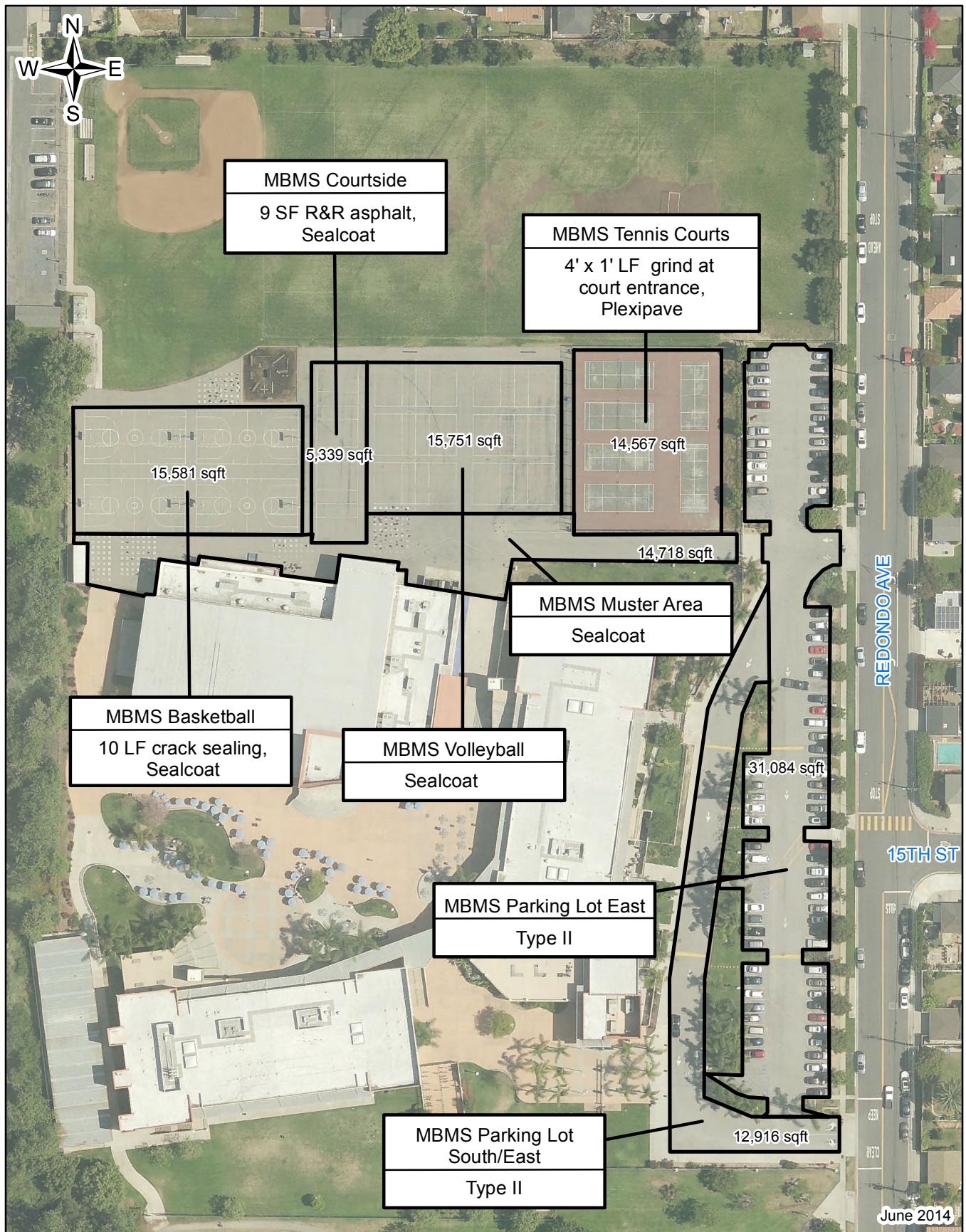
3.5 PROTECTION

- A. Erect temporary barriers to protect coatings during drying and curing.
- B. Lock gates to prevent use until acceptance by the owner's representative.

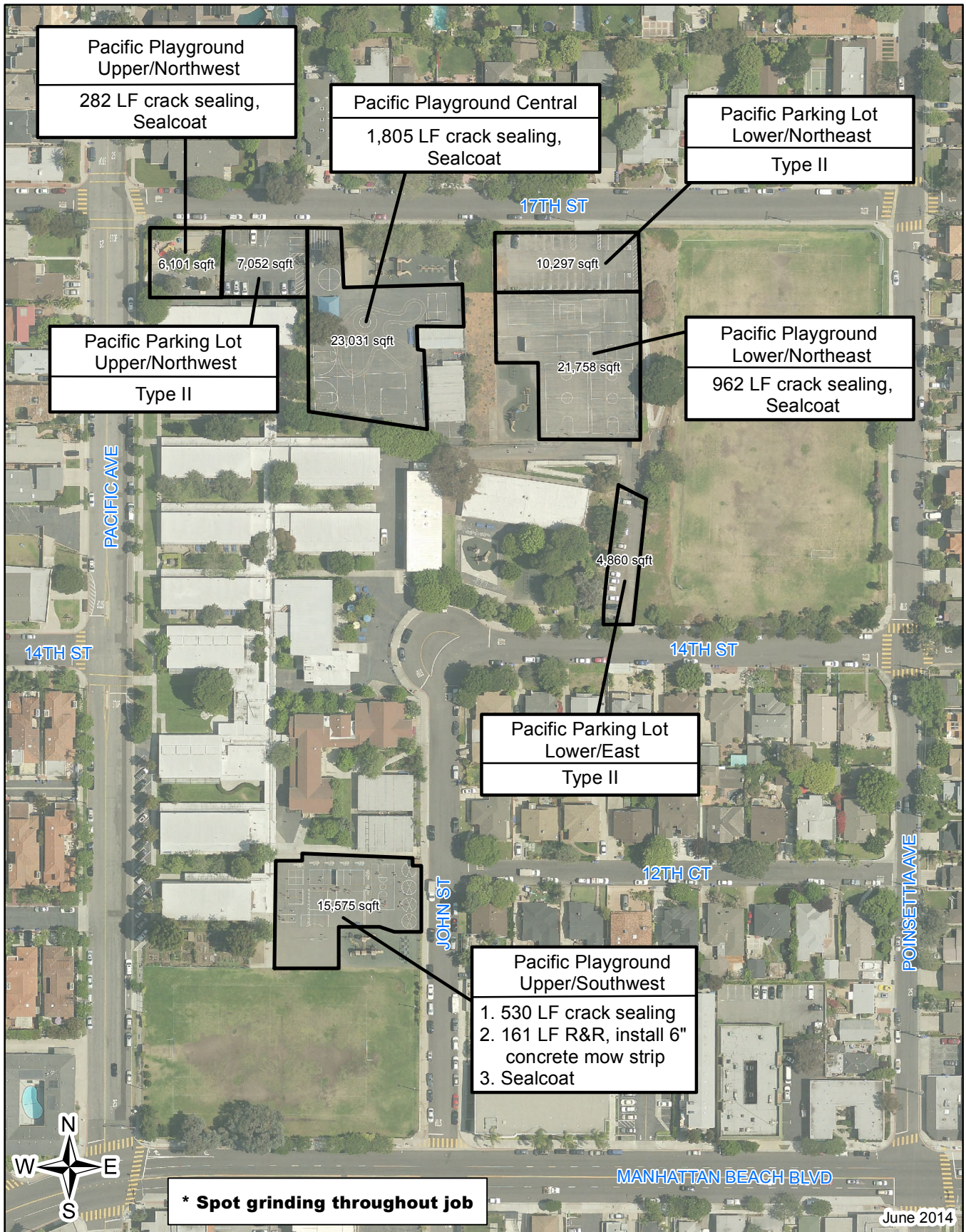
3.6 CLEAN UP

- A. Remove all containers, surplus materials and debris. Dispose of materials in accordance with local, state and Federal regulations.
- B. Leave site in a clean and orderly condition.

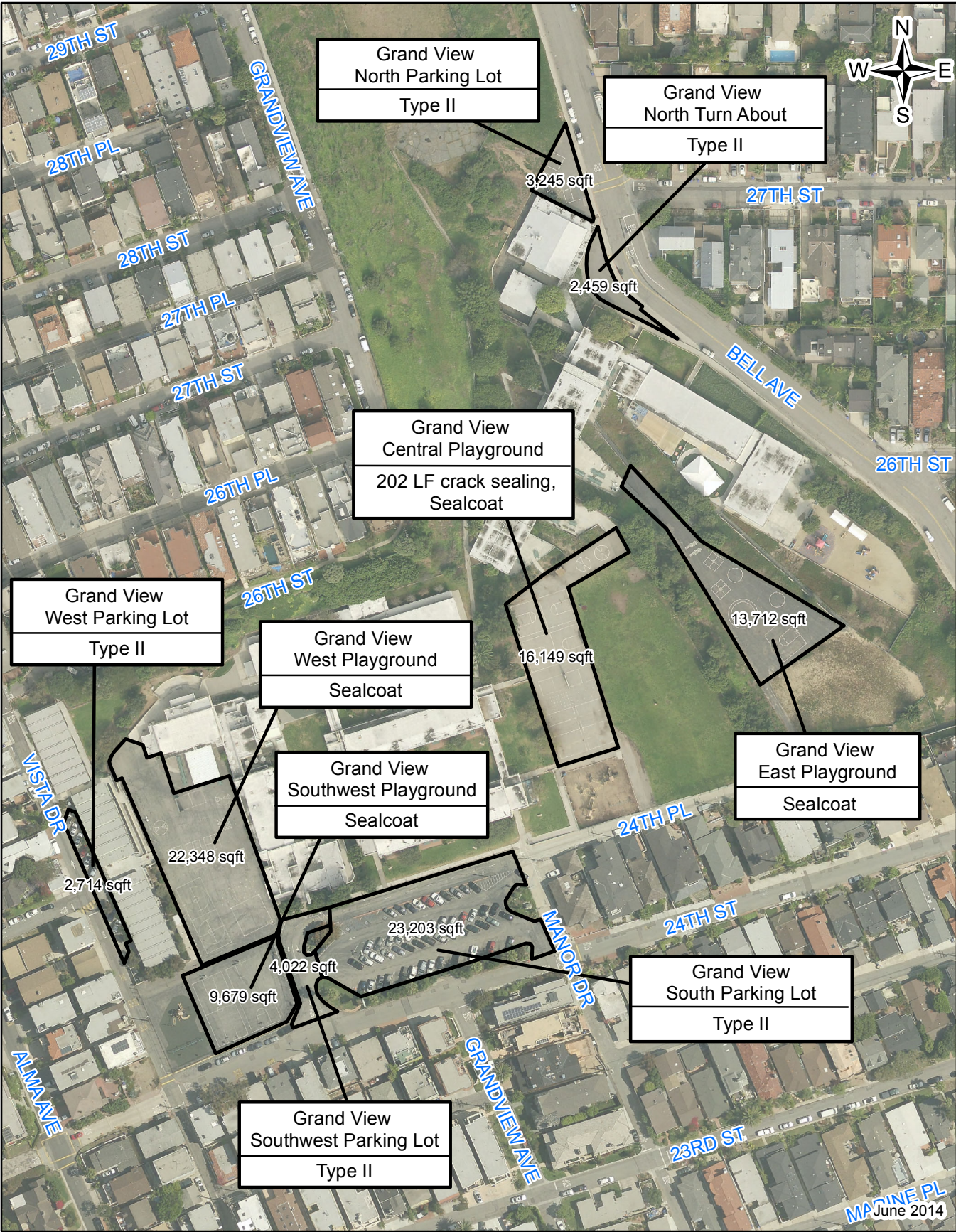
MANHATTAN BEACH MIDDLE SCHOOL



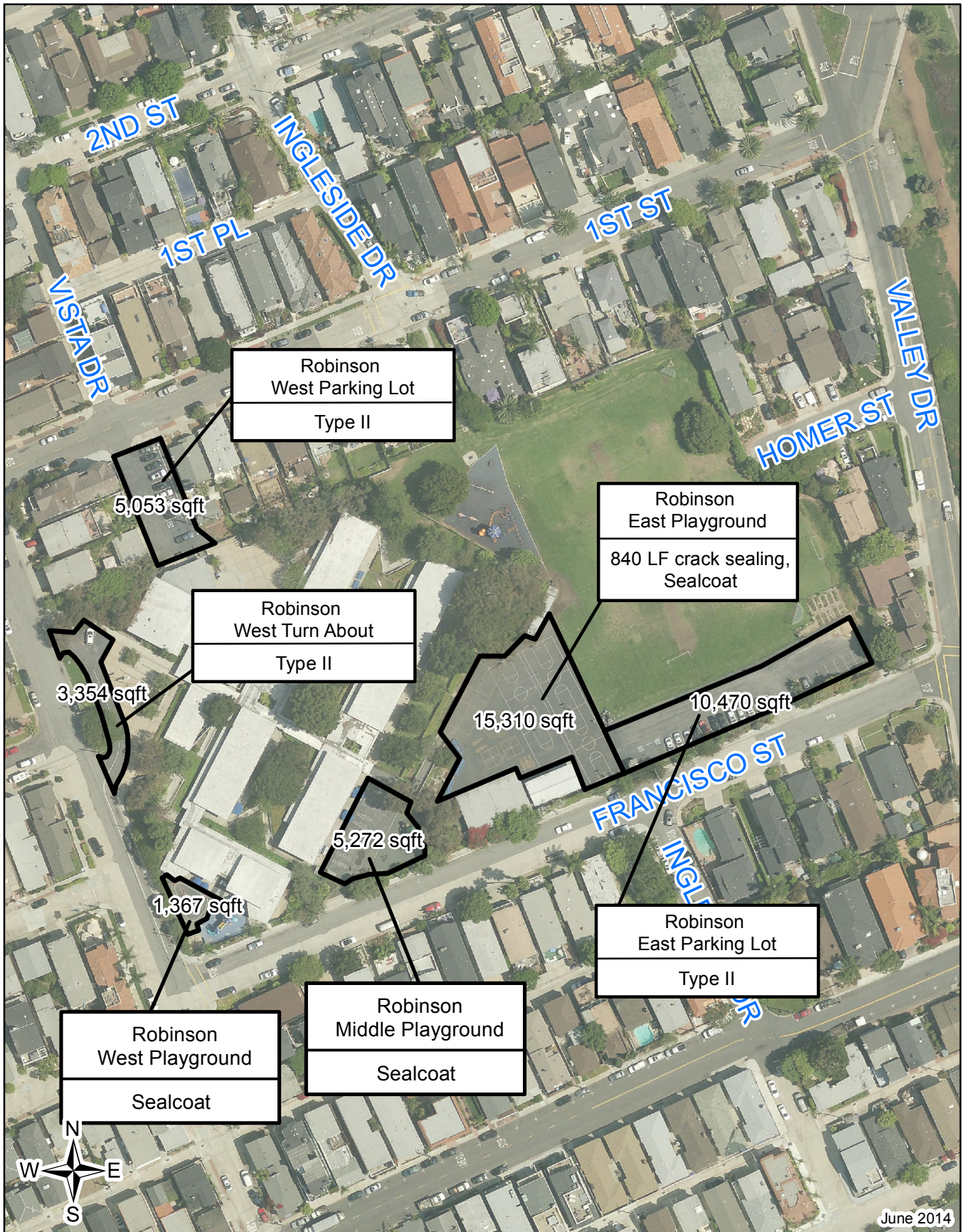
PACIFIC ELEMENTARY SCHOOL



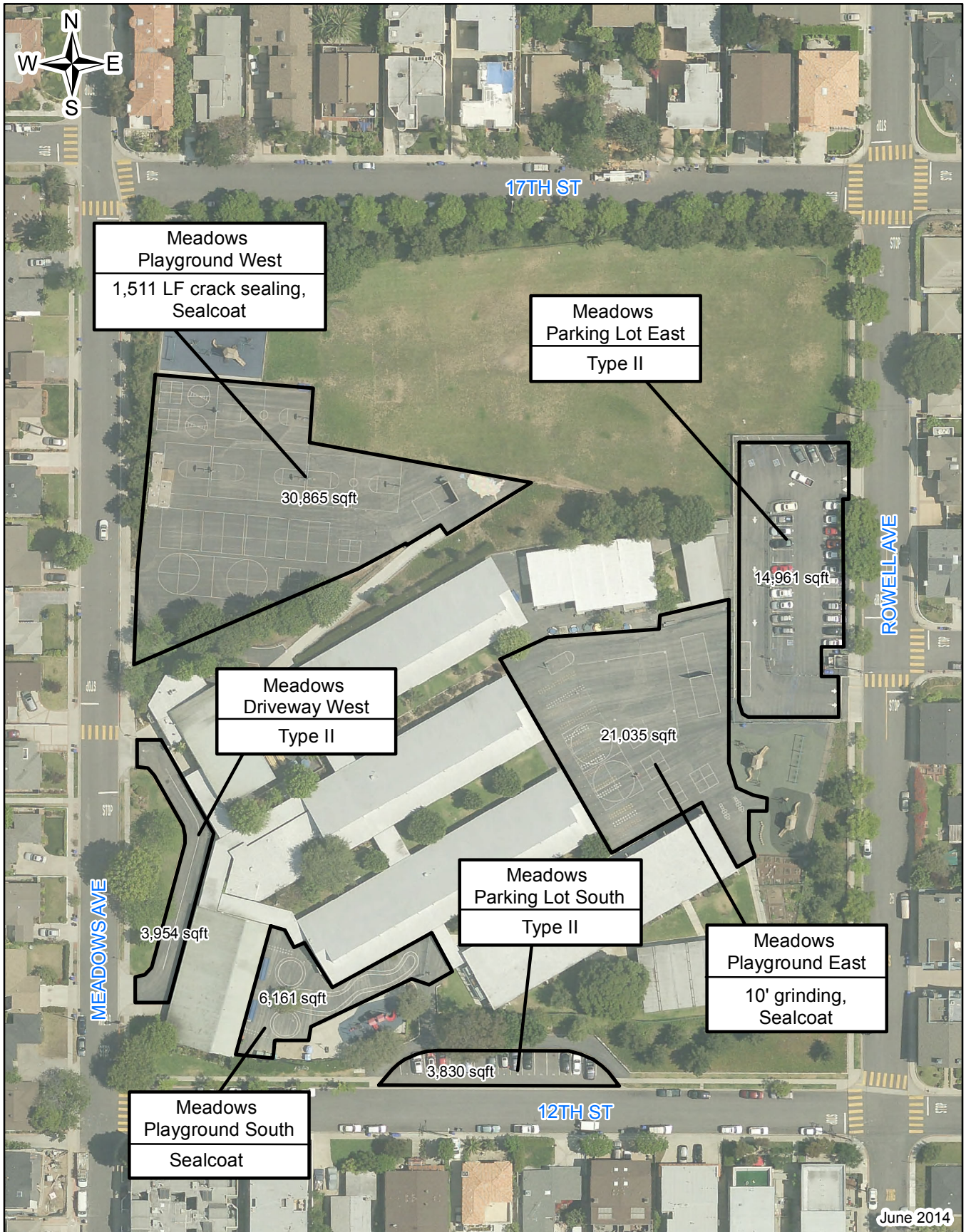
GRAND VIEW SCHOOL & LADERA SCHOOL SITE



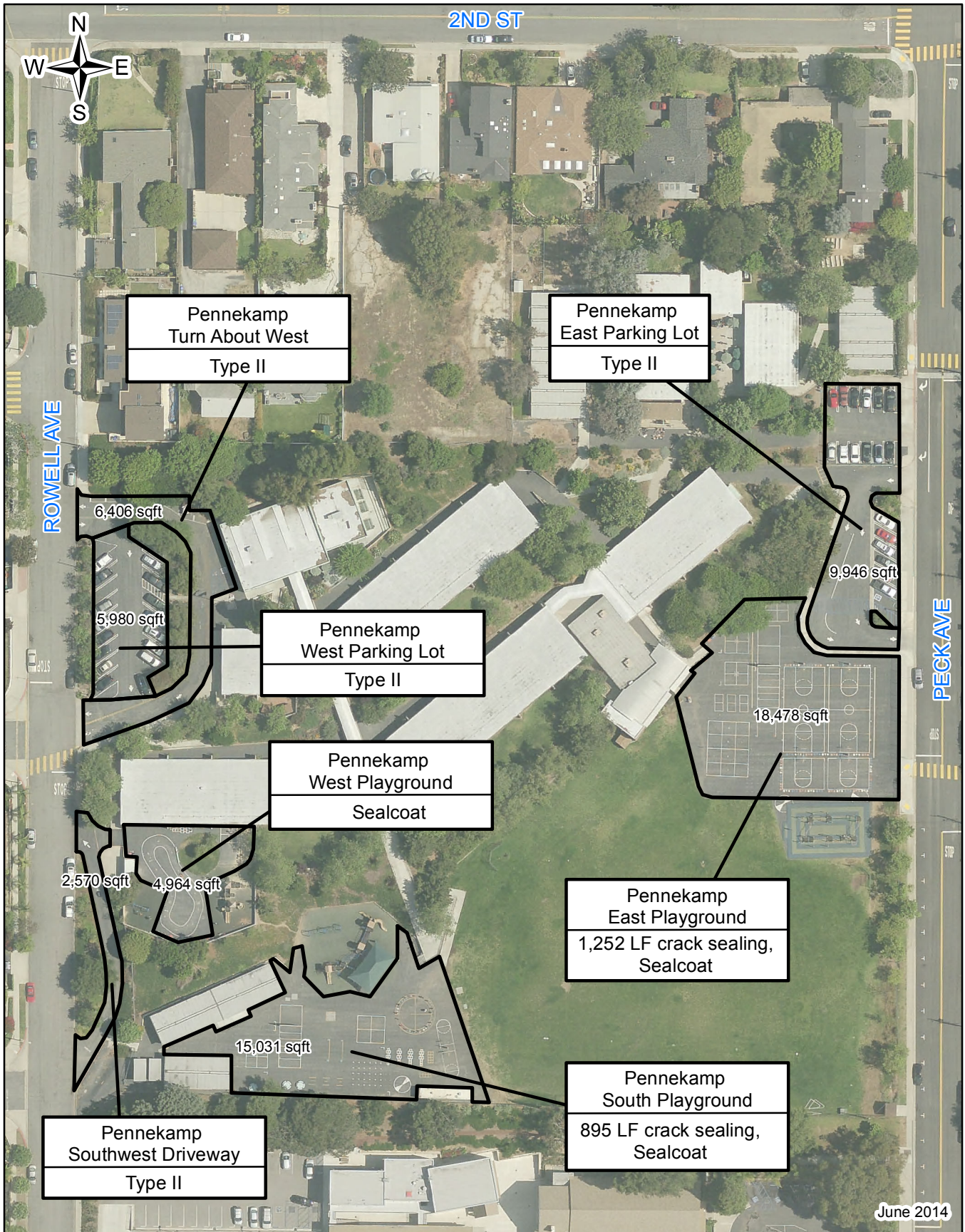
ROBINSON ELEMENTARY SCHOOL



MEADOWS ELEMENTARY SCHOOL



PENNEKAMP ELEMENTARY SCHOOL



Site	crackseal for sealcoat	sealcoat sq ft	Type II sq ft
Pacific School			
Playground Upper Northwest	283	6,101	
Playground Central	1805	23,031	
Playground Lower Northeast	962	21,758	
Play Upper Southwest	530	15,575	
Upper Northwest Lot	0	0	7,052
Lower Northeast Lot	0	0	10,297
Lower East Lot	0	0	4,860
Meadows Elementary			
Playground West	1,511	30,865	
Playground East	0	21,035	
Playground South		6,161	
Parking Lot East			14,961
Driveway West			3,954
Parking Lot South			3,830
Grandview Elementary			
Central Playground	202	18,149	
West Playground	0	22,348	
Southwest Playground	0	9,679	
East Playground	0	13,712	
North Parking Lot			3,245
North Turnabout			2,459
West Parking Lot			2,714
South Parking Lot			22,203
Southwest Parking Lot			4,022
Robinson Elementary			
East Playground	840	15,310	
Central Playground	0	5,272	
West Playground	0	1,367	
West Parking Lot	0	0	5,053
West Turnabout			3,354
East Parking Lot			10,470
Manhattan Beach Middle School			
Basketball	10	15,581	
Courtside		5,339	
Volleyball		15,751	
Muster Area		14,718	
Tennis Courts (Plexipave)		14,567	
Parking Lot East			31,084
Parking Lot South/East			12,916

Pennekamp Elementary			
West Playground	348	4,964	
South Playground	895	15,031	
East Playground	1,252	18,478	
East Parking Lot			9,946
Turnabout West			6,406
West Parking Lot			5,980
Southwest Driveway			2,570

	crackseal for sealcoat	sealcoat sq ft	Type II sq ft
School Totals	8,638	314,792	167,376
Street Totals Mira Costa Area	0	0	356,079

**SECTION 2 CONCRETE REPAIRS AND
MISCELLANEOUS SLURRY SEAL PROJECT**

**ADDENDUM NO. 1
TO THE
PLANS AND SPECIFICATIONS**

This Addendum shall take precedence over any conflicting information contained either in the plans or specifications of the **Section 2 Concrete Repairs and Miscellaneous Slurry Seal Project**. Bidders shall incorporate the information contained in this Addendum in their bids, conform to all of the instructions contained herein in the preparation of a bid, and shall sign and submit this Addendum as a portion of the Contractor's Proposal as an indication of understanding and compliance with this Addendum No. 1

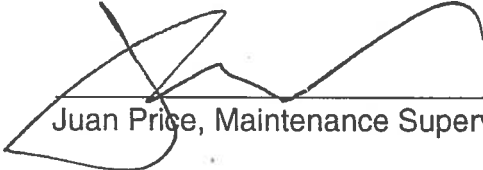
1. Please **REPLACE** pages 11 and 12 with the **attached pages 11 and 12**.
2. Please **REPLACE** page 65 with the **attached page 65**.
3. Please **ADD** the attached page (**Map: "Section 2 Miscellaneous Slurry; Early due date: August 15, 2014"**) to the contract specifications.

Bidders shall review carefully the directions and information contained herein and shall contact the Engineer immediately should any further information be necessary.

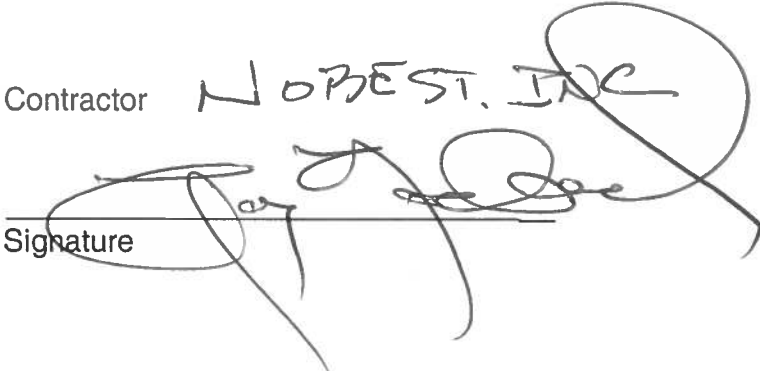
Any questions regarding this matter should be directed to the Engineer prior to bid opening.

Bidders shall sign this Addendum and attach it to their Contractor's Proposal as an affirmation of compliance with the instructions herein.

6/24/14
Date



Juan Price, Maintenance Supervisor

Contractor NOBEST, INC


Signature