



ADDENDUM NO. 1
August 21, 2023

ROLANDO RETAINING WALL PROJECT
BID NO. 24-08

TO ALL PROSPECTIVE BIDDERS:

The following revisions are hereby made a part of the Contract Documents, Plans and Specifications for the above-referenced project.

Contract Documents, Plans and Specifications

1. Remove item 11 "Furnish and Install CMU wall" from the Bid schedule
2. Remove specification "201-1.2.1.2" from the Special Provisions.
3. Add item 27 to the bid schedule "Furnish and Install 3 class II AB Base" per Special Provision 200-2.2.1"
4. Add specification expansion to 'Crushed Aggregate Base' "Special Provision 200-2.2.1 General" for 3" Class 2 AB.

All bidders shall acknowledge receipt and acceptance of this Addendum by signing in the space provided and submitting the signed Addendum with the bid. Failure to include this Addendum may be cause for rejection of the bid.

Sincerely,

CITY OF LA MESA

Michael Throne, PE
Director of Public Works

RECEIPT ACKNOWLEDGED BY:

DATE: _____

cc: All Plan Holders

Section	ItemCode	Type	ItemDesc	UnitOfMeasure	Quantity
Main Bid-Civil	7-3.4		Mobilization (6% Max Bid)	LS	1
Main Bid-Civil	3-12.6.5		Storm Water Pollution Control and BMP	LS	1
Main Bid-Civil	6-1.1		Construction Schedule	LS	1
Main Bid-Civil	601-2.2		Traffic Control and Safety Plan	LS	1
Main Bid-Civil	300-1.4		Clearing and Grubbing	LS	1
Main Bid-Civil	3-10.1		Surveying and Staking	LS	1
Main Bid-Civil	300-2.9		Demolition and Removal	LS	1
Main Bid-Civil	300-2		Unclassified Excavation	LS	1
Main Bid-Civil	300-4.10		Import Fill & Soil	CY	200
Main Bid-Civil	201-1.2.1.1		Furnish and Install Concrete Bleachers	CY	76
			Furnish and Install CMU Wall		
Main Bid-Civil	202-2.3		Furnish and Install Waterproofing	LS	1
Main Bid-Civil	306-3.1		Furnish and Install 4" PVC Pipe	LF	100
Main Bid-Civil	304-2.4		Furnish and Install Metal Hand Railing	LF	50
Main Bid-Civil	304-1.4.1		Furnish and Install HSS 8x6x1/4" Beam	EA	5
Main Bid-Civil	304-1.4.2		Furnish and Install HSS 14x6x1/4" Beam	EA	8
Main Bid-Civil	304-1.4.3		Furnish and Install Steel Column	EA	7
Main Bid-Civil	304-1.4.4		Furnish and Install Corrugated Metal Roofing	LS	1
Main Bid-Civil	310-6		Anti-Graffiti Coating	LS	1
Main Bid-Landscaping	300-4.10		Grade and Compact Soil	LS	1
Main Bid-Landscaping	401-7.1		Furnish and Install Retaining Wall	LS	1
Main Bid-Landscaping	7-1.1.1		Furnish and Install SDD Brow Ditch	LS	1
Main Bid-Landscaping	800-1.4.1		Furnish and Install Drought-Resistant Plants	EA	65
Main Bid-Landscaping	800-1.4.1		Perform 90 Maintenance/plant Establishment	LS	1
Main Bid-Landscaping	3-12.6.5		Temporary Support and Drainage	LS	1
Main Bid-Civil	200-2.2.1		Furnish and Install 3" Class II AB Base	CY	6

SPECIAL PROVISIONS

PART 1 - SPECIAL PROVISIONS -GENERAL PROVISIONS

Part 1 shall conform to Part 1 of the “Greenbook” Standard Specifications for Public Works Construction (Current Edition), including regional Supplement Amendments and other standard specifications and standard drawing listed on the plans, except for the following changes and/or additions, and shall be performed in accordance with San Diego Regional Standard Drawings. In case of discrepancy, these special provisions shall take precedence. Copies of pertinent standard drawings are enclosed with these documents for the Contractor’s convenience. However, this does not relieve the Contractor from obtaining appropriate drawings, if the standard drawing is not included. References to these various standards have been made in these special provisions. These references apply directly to the work the Contractor is to perform.

PART 1 - GENERAL PROVISIONS

SECTION 1 – GENERAL TERMS, DEFINITIONS, ABBREVIATIONS,

UNITS OF MEASURE, AND SYMBOLS

1-2 TERMS AND DEFINITIONS [Add the following to this section]:

CITY/City	- City of La Mesa
Engineer	- City Engineer or his authorized representative
Federal	- United States of America
Caltrans	- California Department of Transportation

SECTION 2 - SCOPE OF THE WORK

2-1 WORK TO BE DONE [Add the following to this section]:

This project includes the demolition and removal of a concrete block retaining wall and bleacher seating. The project also includes grading and compaction as well as new concrete footings for a retaining wall, bleachers, columns, and new 4” drainage pipes.

2-8 EXTRA WORK [Add the following to this section]:

If any change, whether initiated by the city or the contractor, or extra work is deemed necessary, the scope of the work shall be documented under the terms and conditions of the City of La Mesa

contract change order form. Compensation for any change or extra work will not be paid unless a signed change order is executed by the contractor and approved by the Engineer.

SECTION 3 – CONTROL OF THE WORK

3-5 INSPECTION [Add the following to this section]:

In the event inspections or tests reveal non-compliance with the requirements of the Contract Documents, the Contractor shall bear the costs of corrective measures as required by the Engineer. Said costs shall be deducted from the Contract and include, but not be limited to, subsequent re-inspections and re-testing, travel time and overtime labor rates where applicable. All deductive labor charges applied to the Contract shall be calculated using the current established rates for City Staff assigned to the project. In the event a third party or contract inspections services are used by the City, calculations of cost shall be based on the established contract rate for third party inspection staff assigned.

3-7 CONTRACT DOCUMENTS

3-7.1 General

3-7.1.1 Plans and Specifications [Add the following to this section]:

The Contractor shall keep accurate an up-to-date construction records on the project site on a set of Plans and Specifications of all additions, changes, and deletions to the work not otherwise shown on contract documents at all times. All final locations determined in the field, and any deviations from the Plans and Specifications shall be marked in red on this control set to show the “as-built” conditions. Upon completion of all work, the Contractor shall return the control set to the Engineer.

All submitted product shall be legible and be the most up to date information provided by the manufacturer. Any data sheets provided which are dated beyond the last two years shall be accompanied by a letter or certification by the manufacturer that it is the most current information available. Failure to provide such information shall be grounds for rejection of that item. If more than one option is shown on the data sheet, the contractor shall clearly identify which product is being proposed by means other than highlight (highlighting does not scan or photocopy well).

3-8 SUBMITTALS

3-8.1 General [Add the following to this section]:

Within a minimum of 10 working days prior to anticipated construction, the Contractor shall submit all documentation pertaining to the materials and method of execution. The Engineer’s approval is required prior to the committing of any materials or the commencement of any work.

Submittal's required include:

- Traffic Control Plans (if necessary)
- Detailed Construction Schedule Plan
- Resident
- Certified payroll documents

3-8.1.2 As-Built Drawings [Add the following to this section]:

The Contractor shall keep accurate construction records on a set of project prints of all additions and deletions to the work, and of all changes in location, elevation and character of the work not otherwise shown on contract documents. Prior to acceptance of the work, the Contractor shall furnish such "As Built" information to the Engineer on a clean set of plans for approval. Payment for maintaining "As-Built" records shall be considered as included in other items of work and no separate payment will be made therefore. If the Engineer or the City deems the "As-Built Drawings" ineligible, it shall be the contractor's responsibility to re-mark a new set of plans to the satisfaction of the Engineer.

3-10 SURVEYING

3-10.1 General [Replace the section with the following]:

The Contractor shall perform and be responsible for the accuracy of surveying adequate for construction through a California Licensed Land Surveyor (LS) or Registered Civil Engineer (RCE) authorized to practice land surveying (RCE 33965 or lower). Stakes will be set and stationed by the Contractor's surveyor for curbs, gutters, sewers, storm drains, structures, and rough grade. Staking records, grade sheets and "cut sheets" for construction staking operations will be provided to the Engineer and posted on the Virtual Project Manager website upon request.

The Contractor and all subcontractors shall take appropriate measures to preserve and protect permanent survey monumentation as well as construction survey stakes and marks for the duration of their usefulness. The owner will not consider any claims related to the damage or destruction of monuments, survey stakes or control points by the contractor or their subcontractors.

Surveying for this contract will require survey calculations to determine the locations of points to be staked in the field based on the contract documents. If any electronic point files or computer aided design and drafting (CADD) files are provided by the City for this project, they are being provided for the convenience of the contractor, do not constitute the official contract documents for the project, and the contractor will be fully responsible for confirming their accuracy and consistency with the official contract documents. The City will not consider any claims related to the provision, or lack of provision, of electronic files for this project, with the exception of the posting of electronic versions of the official contract documents.

The Contractor shall thoroughly examine the site and determine the location of any permanent survey monuments which may be disturbed by construction. The contractor shall notify the Engineer at least 7 days before starting the Work to coordinate the preservation of survey monuments and benchmarks. The Contractor through its Licensed Land Surveyor will, at its cost and in accordance with Business and Professions Code Section 8771, file a Corner Record or a Record of Survey referencing survey monuments subject to disturbance in the Office of the County Surveyor. The recording will take place twice, both prior to the start of construction and prior to completion. The corner records documenting the tie out of the survey monuments shall be delivered to the Engineer prior to the commencement of work.

3-10.3 Payment [Add the following to this section]:

The contract lump sum price paid for Surveying includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in site surveys and construction staking, complete in place, including local borrow and imported borrow site surveys, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

3-12 WORK SITE MAINTANENCE

3-12.1 General [Add the following to this section]:

The Contractor shall notify the utilities designated in the General Specifications at least forty-eight (48) hours in advance of excavating around any of their structures.

The existence and locations of utilities shown on the drawings are provided for convenience by the City, and the City shall not be responsible for any damage done by the contractor. All utilities have been determined by a search of the available records as provided by the respective utility owner. The exact locations have not been determined by potholing unless so indicated on the drawings. The Contractor shall determine the exact location of all existing utilities prior to commencing work. He agrees to be fully responsible for and all underground utilities, whether shown on the plans or not. In the event the Contractor encounters underground utilities not shown on the plans, he shall verify the exact location of the utility and immediately notify the Engineer, regardless of whether the unknown utility conflicts with the proposed construction or not. In the event of such a previously unknown conflict, the Contractor shall immediately notify the Engineer as to the extent, if any, of delays or additional costs resulting from said conflict. The Contractor shall perform work and provide necessary materials to disconnect or relocate existing utilities as indicated. Record on record drawings all existing utility termination points before disconnecting.

When uncharted or incorrectly charted underground piping or other utilities and services are encountered during site work operations, notify the applicable utility company immediately to obtain procedure directions. Cooperate with the applicable utility company to maintain active services in operation.

The locations of utilities shown on the plans are approximate only. The Agency does not warranty the accuracy or completeness of the location and type of the existing utilities and substructures shown on the plans. The contractor is responsible for accurately locating, by potholing or other methods, all existing utilities and substructures as shown on the plans and marked out by Underground Services Alert (USA), to prevent damage to such facilities and to identify any conflicts with the trenchless operation.

Existing utilities have been located as accurately as can be determined from utility companies and office records and are shown on the construction plans. The Contractor shall contract Underground Service Alert 811 for mark out and other respective agencies before commencing work and shall coordinate his work with utility owners.

The Contractor is advised to be careful to avoid damage to water services, sewer laterals, water and sewer mains, and dry utilities during his operations. In the even damage is done requiring new service connections, water main repairs, etc., the Contractor shall pay for work required to be done by Helix Water District or other utility agencies.

3-12.4 Storage of Equipment and Materials

3-12.4.2 Storage in Public Streets [Add the following to this section]:

No equipment shall be stored within the city ROW or within Rolando Park overnight without City of La Mesa approval.

3-12.6 Water Pollution Control

3-12.6.1 General [Add the following to this section]:

The Contractor shall be responsible for protection of existing storm drain facilities from the entrance of any construction debris and other pollutants. Contractor shall utilize Best Management Practices (BMPs) during the construction operations and conform to all local, state, and federal regulations regarding pollutants and their control.

The Contractor shall be responsible for ensuring no materials, waste, or any other contaminants escape the confines of the project site. It shall be the contractor's responsibility to ensure no dust or other airborne particulates escape the site by any approved method. At the conclusion of construction each day, the Contractor will be responsible for cleaning any materials outside the area of construction to the satisfaction of the Engineer.

3-12.6.5 Payment [Add the following to this section]:

The contract lump sum price paid for Water Pollution Control includes full compensation for

furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work involved in water pollution control, complete in place, including water pollution control plans, permits, and maintenance of Best Management Practices, as specified in the Standard Specifications, Special Provisions, Plans, and as directed by the Engineer.

No additional compensation for this work is allowed. This item will be paid for on a daily basis over the contract time and daily completion of BMP activities (e.g. sweeping) and satisfactory maintenance and good working conditions of BMP facilities.

SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

6-1 CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK [Add the following to this section]:

The Contractor's proposed Construction Schedule shall be submitted to the Engineer via Virtual Project Manager (VPM) within ten (10) working days after the date of the Notice of Award of Contract.

Prior to issuing the Notice to Proceed, the Engineer will schedule a preconstruction meeting with the respective Contractor to review the proposed Construction Schedule and delivery dates, arrange the utility coordination, discuss construction methods, and clarify inspection procedures.

The Contractor shall submit periodic Progress Reports to the Engineer by the first day of each week. The report shall include an updated Construction Schedule. Any deviations from the original schedule shall be explained.

Prior to issuing the Notice to Proceed, the Engineer will schedule a preconstruction meeting with the respective Contractor to review the proposed Construction Schedule and delivery dates. The City shall have the right to stall construction until the Engineer has approved the construction schedule and delivery dates.

6-1.1 Construction Schedule [Add the following to this section]:

The Contractor shall submit a construction schedule on the first working day of each week. Schedules shall show the location and time where the contractor plans to work, and any deviations from the schedule shall be communicated to the Engineer and subsequently approved by the Engineer before any work outside the schedule is performed. Whenever the term "Schedule" is used in this section it shall mean CPM progress schedule illustrated by the Gantt Bar method.

Schedules shall show the order in which the Contractor proposes to carry out the work with logical links between time-scaled work activities, and calculations made using the critical path method to

determine the controlling operation or operations. The Contractor is responsible for assuring that all activity sequences are logical and that each schedule shows a coordinated plan for complete performance of the work.

The Contractor shall produce schedules using computer software. The Contractor shall finish network diagrams, narrative reports, tabular reports and schedule data as parts of each schedule submittal.

Schedule activities should include the following:

- A. A clear and legible description.
- B. Start and finish dates and locations.
- C. Project Changes or Deviations.
- D. Codes for responsibility, stage, work shifts, location and contract pay item numbers.
- E. Any holidays affected by construction.

The Contractor may show a scheduled completion date that is later than the Contract completion date on an update schedule, after the baseline schedule is accepted. The contractor shall provide an explanation for a late scheduled completion date in the narrative report that is included with the schedule.

The Engineer's review and acceptance of schedules shall not waive any contract requirements and shall not relieve the Contractor of any obligation thereunder or responsibility for submitting complete and accurate information. Schedules that are rejected shall be corrected by the Contractor and resubmitted to the Engineer via VPM within three (3) working days of notification by the Engineer.

Errors or omissions on schedules shall not relieve the contractor from finishing all work within the time limit specified for completion of the Contract. If, after, a schedule has been accepted by the Engineer, either the Contractor or the Engineer discovers that any aspect of the schedule has an error or omission, it shall be corrected by the Contractor on the next schedule.

Payment for the project schedule and revisions/updates to the schedule shall be made under other items of work and no additional payment shall be made therefore.

Payment for the project schedule and revisions/updates to the schedule shall be made under all other items of work and no additional compensation will be allowed.

6-2 PROSECUTION OF THE WORK [Replace this section with the following]:

The holiday construction moratorium in the City shall apply to all locations on this project. During the moratorium all construction activities shall be halted and all roadways shall be open to the public in full capacity. The moratorium shall follow the holidays listed in the contract documents Special Conditions.

6-3 TIME OF COMPLETION

6-3.1 General [Replace this section with the following]:

The Contractor shall limit hours of operation on this project for daytime work from 7:30 a.m. to 4:30 p.m. Monday to Friday. Daytime and night time work shall be discussed at the preconstruction meeting and on an ongoing basis as circumstances present. No work is allowed outside of the listed times and days, or holidays unless previously authorized by the City Engineer, except for pre-wetting, making emergency repairs and providing proper protection of the work. Any request for work on weekends and holidays must be submitted in writing and approved by the City Engineer. Any overtime inspection costs will be paid by the Contractor.

6-3.3 Acceleration [Add the following to this section]:

The city reserves the right to accelerate the work of the Contract at any time during its performance. In the event the City directs acceleration, such directive will be given to the Contractor in writing. The Contractor shall keep cost and other Project records related to the acceleration directive separately from the normal Project cost records and shall provide a written record of acceleration costs to the City on a daily basis.

In the event the Contractor believes that some action or inaction on the part of the City constitutes an acceleration directive, the Contractor shall immediately notify the City in writing that the Contractor considers the actions or inactions an acceleration directive. The Contractor shall not accelerate their work efforts until the Agency responds to the written notification in affirmation. If acceleration is then directed or required by the City, all cost records referred to in the previous paragraph shall be maintained by the Contractor and provided to the City on a daily basis.

In order to recover additional costs due to acceleration, the Contractor must document that additional expenses were incurred and paid by the Contractor. Labor costs recoverable will only be overtime or shift premium costs or the cost of additional laborers brought to the site to accomplish the accelerated work effort. Equipment costs recoverable will only be the cost of added equipment mobilized to the site to accomplish the accelerated work effort.

6-9 LIQUIDATED DAMAGES [Replace this section with the following]:

Failure of the Contractor to complete the Work within the time limit provided (30 working days)

will result in damages being sustained by the Agency. For each consecutive calendar day the Contractor has not completed the work to the Engineer's approval after the time specified for the completion of work, the Contractor must pay to the Agency, or have withheld from monies due it, the sum of \$1,000.

Execution of the Contract shall constitute agreement by the Agency and Contractor that \$1,000 per Day is the minimum value of the costs and actual damage caused by failure and the Contractor to complete the work in the specified time. Such sum is liquidated damages and shall not be construed as a penalty, and may be deducted from payments due the Contractor if such delay occurs.

SECTION 7 – MEASUREMENT AND PAYMENT

7-1 MEASUREMENT OF QUANTITIES FOR UNIT PRICES WORK

7-1.1 General [Add the following to this section]:

Scaled dimensions are approximate. Before ordering materials or commencing work which is dependent on proper size and installation, the Contractor shall verify all dimensions and quantities by taking measurements in the field, and shall be responsible for their correctness. Any discrepancies between the contract documents and the actual site conditions shall be reported to the Resident Engineer for adjustment before any work affected is begun. The City shall not pay for any supplies the contractor purchased that were not utilized in construction.

7-1.1.1 SDD-106 Brow Ditch [Add the following to this section]:

Payment for the SDD-106 brow ditch shall include all soil removal, imported soil, compaction, formwork, concrete, grading, staking, and any other material, equipment, or labor required to complete the work as specified in these specifications, plans, standard plans, and by the City. No additional payment shall be made for any equipment, labor, material, or other work required to complete this pay item.

7-3 PAYMENT

7-3.4 Mobilization/Demobilization [Add the following to this section]:

The bid price of mobilization/demobilization shall be no greater than 6% of the maximum of the total bid. The bid price will be paid at a lump sum price and paid in two portions. At the beginning of the contract, 50% of this Bid Item shall be paid for Mobilization. After 100% of the contract work has been completed to the satisfaction of the Engineer, including all punch-list items, the remaining 50% of this Bid Item shall be paid for Demobilization. Payment may be withheld if all contractor

redlines are not received by the City in a timely manner. Bid price shall include all work as described in the Contract Documents, and no additional payment will be made.

7-3.5 Contract Unit Prices

7-3.5.2 Increases of More Than 25%. [Replace with the following]:

Should the actual quantity of an item of work covered by the Contract Unit Price and constructed in conformance with the plans and specifications exceed the bid quantity by less than 50%, bid quantity will be made at the bid price per bid schedule and no additional compensation will be made.

7-3.5.3 Decreases of More Than 25%. [Replace with the following]:

Should the actual quantity of an item of work covered by the Contract Unit Price and constructed in conformance with the plans and specifications recede the bid quantity by less than 50%, bid quantity will be made at the bid price per bid schedule and no additional compensation will be made.

END OF PART ONE

PART 2 – SPECIAL PROVISIONS – CONSTRUCTION MATERIALS

Part 2 shall conform to Part 2 of the “Greenbook” standard Specifications for Public Works Construction (Current Edition), including regional Supplemental Amendments and other Standard specifications and standard drawings listed on the plans, except for the following changes and/or additions, and shall be performed in accordance with San Diego Regional Standard Drawings. In case of discrepancy, these special provisions shall take precedence. Copies of pertinent standard drawings are enclosed with these documents for the Contractor’s convenience. However, this does not relieve the Contractor from obtaining appropriate drawings, if the standard drawing is not included. References to these various standards have been made in these special provisions. These references apply directly to the work the Contractor is to perform.

If needed the material shall be class II aggregate base or a crushed rock aggregate base material of such nature that

SECTION 200 – ROCK MATERIALS

200-1 ROCK PRODUCTS

200-1.1 General [Add the following to this section]:

Rock products shall be derived from a single source and of the same stock to ensure uniformity of material. Physical samples shall be submitted for each rock product per Standard Specifications Sections 200-1 "Rock Products" and 200-2 "Untreated Base Materials" for approval by the City. Samples shall illustrate full variety of the color range and size for each item specified. When a product is specified for varying range sizes, a sample and/or representative photo shall be provided for each size range. Photos shall be taken of the actual product to be furnished.

200-2 UNTREATED BASE MATERIALS

200-2.1 General [Add the following to this section]:

Aggregate base shall be either Crushed Miscellaneous Base conforming to Subsection 200-2.4 of the standard specifications, or recycled Class 2 Aggregate base per the Caltrans Standard Specifications, latest additions, Section 26, Aggregate bases, Subsection 26-1.02A, Class 2 Aggregate Base, and as specified herein.

200-2.2 Crushed Aggregate Base

200-2.2.1 General [Add the following to this section]:

If needed, the Material shall be Class II aggregate base or a crushed rock aggregate base material of such nature that it can be compacted readily by watering and rolling to form a firm, stable base for pavements. At the option of the Contractor, the grading for either the 1-1/2 inch maximum size or 3/4-inch maximum size shall be used unless otherwise specified in the plans. The sand equivalent value shall be not less than 22, and the material shall meet the following gradation requirements. Class II aggregate base shall be in accordance with the State of California Department of Transportation Standard Specifications, Section 26-1.02A or as specified in the plans.

Sieve Size	Percentage Passing	
	<u>1-1/2 inch Max.</u>	<u>3/4-inch Max.</u>
2-inch	100	--
1-1/2-inch	90 - 100	--
1-inch	--	100

3/4-inch	50 - 85	90 – 100
No. 4	25 - 45	35 - 60
No. 30	10 – 25	10 - 30
No. 200	2 – 9	2 - 9

The crushed aggregate base Class II AB and as specified above shall be furnished and installed 3” underneath any new concrete construction including the Retaining Wall, Concrete Bleachers, and any other concrete structures that are to be installed according to these Special Provision, Specifications, Plans, or any other construction documents or at the discretion of the Engineer or City and all excavation of earth for the 3” additional shall be included in this pay item, where no additional payment shall be made for the excavation.

SECTION 201 – CONCRETE, MORTAR, AND RELATED MATERIALS

201-1 PORTLAND CEMENT CONCRETE.

201-1.1 Requirements

201-1.1.1 General [Add the following to this section]:

All concrete work shall include the same brand, type, and source of cement and aggregate shall be used for all Portland Cement Concrete.

201-1.2 Materials [Add the following to this section]:

Concrete foundations for all items listed in these specifications or included in the contract plans shall be 560-C-3250 concrete with a max 4-inch slump unless otherwise specified.

201-1.2.1 Cement

201-1.2.1.1 Payment [Add the following section]

Compensation for the concrete footings, concrete stairs, and concrete bleachers shall be per Cubic Yard (CY) and shall include all labor, equipment, travel, and any other details needed to perform work including in the Contract documents, Plans, Standard Specifications, or Special Provisions and no additional compensation will be allowed. Said compensation shall include furnishing all labor, materials, tools, equipment, transportation, and doing all work involved in the installation and furnishing areas as specified in these special provisions, standard specifications, and plans, as directed by the Engineer.

201-1.2.1.1 Concrete Retaining Wall Payment [Add the following section]

Compensation for the concrete footings, concrete stairs, and concrete bleachers shall be per Cubic Yard (CY) and shall include all labor, equipment, travel, and any other details needed to perform work including in the Contract documents, Plans, Standard Specifications, or Special Provisions and no additional compensation will be allowed. Said compensation shall include furnishing all labor, materials, tools, equipment, transportation, and doing all work involved in the installation and furnishing areas as specified in these special provisions, standard specifications, and plans, as directed by the Engineer.

This pay item shall also include any grading, seeding, sod, compaction, or any other item not included by other pay items but included in these specifications, the plans, and in the construction documents, or as required by the engineer, to fabricate the concrete retaining wall.

201-1.2.5 Supplementary Cementitious Materials

201-1.2.5.3 Fly Ash [Replace the following to this section]:

Fly ash shall not be used.

201-2 REINFORCEMENT FOR CONCRETE

201-2.2 Steel Reinforcement

201-2.2.1 Reinforcing Steel [Add the following to this section]:

Dowels shall be sections of deformed steel reinforcing rod in sizes and lengths as indicated on the plans. Dowels shall be provided in locations where new concrete curbs abut existing concrete, new concrete paving abut existing concrete paving or walls, at expansion joints, and anywhere else as indicated on the plans. Provide dowels at the on-center spacing as indicated on the plan, centered vertically within the concrete slab section, with a minimum of two dowels abutting into any adjacent slab sections.

All reinforcing steel shall conform as specified in the plans, and shall be grade 60 billet steel conforming to ASTM A615/A615M.

Payment for reinforcing steel shall be included in the bid unit price for each product that reinforcing steel is required, or lump sum, as specified on the bid schedule, these specifications, and plans, and no additional payment shall be made.

201-3 EXPANSION JOINT FILLER AND JOINT SEALANTS

201-3.4 Type "A" Sealant (Two-Part Polyurethane Sealant) [Add the following to this section]:

All finished concrete surfaces shall have a ½" continuous expansion joint on all sides adjacent to asphalt unless otherwise specified in the plans. All expansion joints located adjacent to colored concrete shall be sealant colored to match the color of the concrete surface. Joint Sealants shall be multi-component polyurethane sealant unless otherwise specified on the plans. Provide manufacturer's standard, non-modified, 2-or-more-part, polyurethane-based, elastomeric sealant, complying with either ASTM-C-920-87, Type M, Grade P, Class 25, or FS TT-S 0227E Class A, non-sag, Type II.

Concrete Sealer shall be designed for application on interior/ exterior natural concrete and any other variation of concrete specified in the plans and these specifications or onsite concrete to remain in place. When dry, the sealed surface shall resist staining from other construction materials and common food products.

A brushed, rolled, or sprayed method of application shall be used to ensure the surface has adequate slip resistance in wet and dry conditions. The method of application shall be approved by the City prior to any sealant being applied.

Sealer shall leave no visible material between concrete surface and sealer. The sealer shall be absorbed and locked into the porous surfaces and installed per manufacturer's directions.

Payment for the Joint Sealant shall be included in the bid item described and no additional payment shall be made.

SECTION 202 – MASONRY MATERIALS

202-2 CONCRETE BLOCK

202-2.2 Masonry Units

202-2.2.1 Payment [Add the following to this section]:

Compensation for the Concrete Masonry Unit (cmu) retaining wall needed to perform work including in the Contract documents, Plans, Standard Specifications, or Special Provisions shall be paid per LS (lump sum) and no additional compensation will be allowed. Said compensation shall include furnishing all labor, materials, tools, equipment, transportation, and doing all work involved in the installation and furnishing areas as specified in these special provisions, standard specifications, and plans, as directed by the Engineer.

202-2.3 Waterproofing for Masonry Walls [Add the following to this section]:

Waterproofing shall be a fluid-applied membrane consisting of a rapid-curing, high-solids, VOC-compliant modified polyurethane waterproofing membrane applied to form a minimum 60 mil

membrane. The material shall be a 'roller' viscosity for ease of application.

SECTION 206 – MISCELLANEOUS METAL ITEMS

206-5 METAL RAILINGS

206-5.1 Metal Hand Railing Materials [Add the following to this section]:

All metal and fasteners to be pregalvanized, with all tubular steel to be cold rolled and covered with pregalvanized uniform exterior G-90, as shown in the Plans, unless shown otherwise.

SECTION 210 – PAINT AND PROTECTIVE COATINGS

210-3.1 General [Add the following to this section]:

All handrails shall comply with section 210-3 'Galvanizing'. All field corrections to handrails shall use cold galvanizing per section 210-3.5.3 'Zinc Dust Paint'.

210-6 Anti-Graffiti Coating [Add the following to this section]:

Contractor shall furnish Anti-Graffiti coating product for use on all site masonry work and masonry site furnishings. Product shall be:

GCP-1000 (Satin) Aliphatic Polyurethane Top Coat, or City-approved equal. This product is a permanent two part, water-based, zero VOC, aliphatic polyurethane coating designed for anti-graffiti and multi-purpose general maintenance applications.

END OF PART TWO

PART 3 – SPECIAL PROVISIONS – CONSTRUCTION METHODS

SECTION 300 – EARTHWORK

300-1 CLEARING AND GRUBBING.

300-1.1 General [Add the following to this section]:

Clearing and Grubbing shall consist of removing all natural and artificial objectionable materials from the project site, as shown on the drawings and directed by the Engineer.

The Contractor shall protect all existing structures or facilities (including utilities) that are adjacent to, or fall within, the limits of the work to be done under this contract. Any structure or facility to be protected which is damaged as a result of the construction shall be repaired or replaced at the

Contractor's expense to the satisfaction of the Engineer.

All materials removed shall be disposed of outside the project site, in a legal site. Burning shall not be permitted under any circumstances. No accumulation of flammable or hazardous materials shall remain on or adjacent to the project site. The roadway and adjacent areas shall be left with a neat and finished appearance.

Removal and disposal of any materials underneath or adjacent to work included in the Plans, Standard Provisions, or Specifications including branches, asphalt, concrete, aggregate, roots, or other obstructions shall be included in the Lump sum Bid Item.

Clearing and Grubbing shall also include, but not limited to, the following items of work in accordance with the Standard Specifications and these Special Provisions:

- a. Clearing for and providing temporarily graded driveways and continuing maintenance thereof to provide for safe, smooth, stable and continuous all-weather access to the park and streets within the project area and as directed by the Engineer.
- b. Minor grading for swales and drainage control.
- c. Dust control throughout the duration of the project conforming to Section 7-8.1, Cleanup and Dust Control, of these special provisions.
- d. Progressive clean-up and maintenance of project appearance.
- e. Control of water and dewatering during construction.
- f. Clean-up of project area upon completion of work.
- g. Capping and removing sprinkler lines and sprinkler heads that are within the project limits. The contractor shall mark locations of capped lines with a stake or lath so that the owner can locate them later.
- h. Removing and disposing of interfering portions of, making modifications to, and maintaining existing public and private sprinkler systems in working order. This includes water supply, water distribution, electrical supply, and electrical control elements of the existing sprinkler system.
- i. Protection of all existing structures and improvements which fall within or are adjacent to the limits of work under this Contract and plans and in accordance with

Part 4 of the Standard specifications.

- j. Removal and salvage/disposal of miscellaneous items such as utility boxes and covers, street signs, posts, poles, interfering portions of water, sewer and storm drain pipes, fences, mail boxes, and retaining walls.
- k. Removal and disposal of interfering portions of abandoned utility lines and structures and the filling with concrete slurry and plugging of abandoned pipes and conduits not removed.
- l. Installation, maintenance, removal, and relocation of fences, temporary fences, and gates as required in these Special Provisions and/or for the Contractor's convenience.
- m. Removal and disposal of interfering portions of abandoned utility lines and structures and the filling with concrete slurry and plugging of abandoned pipes and conduits not removed.
- n. Sawcutting, removal and disposal of existing AC berms, asphalt concrete paving, pedestrian ramps, lined ditches, concrete sidewalk and driveways
- o. Adjustment to finished grade of all existing improvements to be protected in place and indicated to be adjusted to finished grade.
- p. Removal and relocation of miscellaneous items such as street signs, concrete wheel stops, posts, poles, interfering portions of water, sewer and storm drain pipes, fences, mail boxes, light fixtures, and retaining walls.
- q. Salvaging boulder/rocks.

300-1.4 Payment [Replace this section with the following]:

Compensation for clearing and grubbing needed to perform work including in the Contract documents, Plans, Standard Specifications, or Special Provisions shall be included in the Lump Sum price and no additional compensation will be allowed. Said compensation shall include furnishing all labor, materials, tools, equipment, transportation, and doing all work involved in clearing and grubbing in the paved areas as specified in these special provisions, standard specifications, and plans, as directed by the Engineer, including the removal, salvaging, and disposal of all resulting materials.

300-1.5 Building Demolition and Abatement [Add the following section]:

The work of this section shall include all items shown on the plans, identified in these specifications, and any item identified within the bid schedule. All demolition payment shall be included within the "Demolition and Removal" Pay item unless otherwise specified in a different pay item within these Special Provisions.

300-2 UNCLASSIFIED EXCAVATION.

300-2.1 General [Replace this section with the following]:

Unclassified excavation shall consist of making all cuts and fills to the lines and grades shown on the plans, stockpiling of suitable material, transport of stockpiled material to its ultimate location, all mixing, moisture conditioning, and compaction of stockpile and fill material, and export of any excess material to a legal site.

Unclassified excavation shall also include scarification, moisture conditioning, and compaction of the top one foot of subgrade material to 95 percent relative compaction under roadway and other paved areas bearing traffic loads.

300-2.2 Unsuitable Material

300-2.2.1 General [Replace this section with the following]:

Material that is unsuitable for its planned use shall be excavated and disposed offsite. Contractor shall make all arrangements for disposal of the material at offsite locations and shall, upon request, file with the Engineer the written consent of the owner of the property upon which it intends to dispose of such material.

The removal and disposal of unsuitable material will be paid for at the Contract Unit Price for unclassified excavation if the removal of such material is shown on the Plans or specified in the Special Provisions.

300-2.6 Surplus Material [Add the following to this section]:

The contractor shall export all surplus material from the project and no excess material shall be stored within CITY ROW or within the limits of Rolando Park without the CITY's approval. The Contractor shall utilize highway legal trucks for export of material from the project site to a legal site secured by the Contractor. No earth moving equipment or special construction equipment, as defined in section 565 of the California Vehicle code, will be allowed for hauling material on public streets.

300-2.9 Payment [Add the following to this section]:

Compensation for unsuitable material excavation and disposal needed to perform work including in the Contract documents, Plans, Standard Specifications, or Special Provisions shall be included per CY (cubic yard) per item code 300-2 on the bid schedule and no additional compensation will be allowed. Said compensation shall include furnishing all labor, materials, tools, equipment, transportation, and doing all work involved in disposal and excavation within said areas as specified in these special provisions, standard specifications, and plans, as directed by the Engineer, including the removal, salvaging, and disposal of all resulting materials.

300-2.10 Grading Tolerance [Add the following section]:

The Contractor shall finish excavated areas other than slopes and subgrade below structures, within the roadway and sidewalk areas within 0.1' of the grades shown on the plans. Subgrade tolerances shall conform to the requirements of section 301-1.4.

300-4 UNCLASSIFIED FILL

300-4.3 Other Fill Materials [Replace this section]:

Excess soil remaining on the project site from excavations other than Unclassified Excavation may only be used for fill material when rocks, lumps, cobbles, clods, or other solid materials such as broken concrete or asphalt from removal operations are suitable for the particular area to be filled as determined by the Engineer and in conformance with the requirements of the geotechnical investigation. Broken concrete or asphalt pavement materials shall not be allowed within site fill areas or roadway fills less than three feet (3') in height, within three feet (3') of final grade in any area, or within five feet (5') (vertically) of the existing ground water table. Concrete or asphalt placement shall be approved by the Geotechnical Engineer. Concrete or asphalt pieces shall be less than six inches (6") in maximum dimension and surrounded by soil particles when used as compacted fill. No nesting shall occur.

300-4.5 Placement [Replace paragraph 3 and add the following from this section]:

Rocks with any dimension greater than 18" shall not be incorporated into the fill. Rock exceeding 6" in diameter shall not be placed in the upper 3' of any fill. Rocks shall not be nested but shall be spread with sufficient room between them so that intervening voids can be adequately filled with fine material to form a dense, compact mass. Oversized material shall be removed from the site by the Contractor. If disposed within the City of La Mesa, a separate grading permit will be required for disposal of rock.

The Contractor shall perform grading such that the upper 3' of fill placed anywhere in the site composed of properly compacted low expansive soils when available on-site or when specified. The more highly expansive soils shall be placed in the deeper fill areas and or properly compacted or

exported from the site. Low expansive soils are defined as those soils that have an expansion Index of 50 or less when tested in accordance with the 1994 UBC standard 18-2 as published by the international conference of building officials. Should insufficient soils meeting the requirement of an expansion index of 50 or less be present within the limits of work, soils of the least expansion index that are available within the limits of work shall be incorporated in the upper 3' of fill placed in the roadway, or other parts of the site.

300-4.6 Application of Water [Add the following to this section]:

The contractor shall place all fill soil at a moisture content no less than one (1) percent below optimum moisture as determined by ASTM test D-1557-91.

300-4.7 Compaction [Replace the first paragraph with the following]:

The contractor shall compact all fill soils placed to a minimum of 95 percent unless otherwise specified.

300-4.10 Payment [Replace with the following]:

Payment for Unclassified Fill shall be included in the contract unit price per cubic yard paid for Unclassified Fill, and shall include material transport, materials, labor, grading, shaping, compacting or consolidating, moisture conditioning, slope rounding, and construction of transitions and no additional payment will be made therefore. This pay item will not be bound by specification 7-3.5.2 or 7-3.5.3 and any imported fill or soil up to 75% more and 75% less shall be paid at according to the contract price from the Bid schedule. No additional payment will be made unless the imported fill required is less than 25% of the agreed upon quantity within the bid schedule or within

300-7 EARTHWORK CHANNELS

300-7.1 General [Add the following to this section]:

Channels for the purposes of this section shall also include Type B Brow Ditch per SDRSD D-75.

300-7.6 Measurement and Payment [Add the following to this section]:

Compensation for construction of Type B Brow ditch per SDRSD D-75 needed to perform work including in the Contract documents, Plans, Standard Specifications, or Special Provisions shall be included per CY (cubic yard) and no additional compensation will be allowed. Said compensation shall include furnishing all labor, materials, tools, equipment, transportation, and doing all work involved with the construction within said areas as specified in these special provisions, standard specifications, and plans, as directed by the Engineer.

SECTION 303 – CONCRETE AND MASONRY CONSTRUCTION

303-4 MASONRY CONSTRUCTION

303-4.2 Brick Masonry [Add the following to this section]:

All brick masonry shall follow 303-4.2.1 “Materials” and 303-4.2.2 “Bricklaying” and shall follow the plans and specifications in this contract.

303-4.2.4 Measurement and Payment [Add the following to this section]:

Payment for masonry construction shall be made at the contract unit price per Square Foot (SF) bid price for either freestanding or retaining height (Height measured from top of block/ bottom of wall cap then longitudinally along face). Unit costs shall include the costs of footing excavation, subgrade prep, footing, backfill, rebar, wall cap, facing (cobblestone), drainage facilities, and “city provided” custom ceramic tiles as shown in the contract plans and shall include full compensation for furnishing all labor, materials (mortar/waterproofing/dowels/tabs), equipment, and incidentals necessary to perform the work.

SECTION 304 – METAL FABRICATION AND CONSTRUCTION

304-1 STRUCTURAL STEEL

304-1.4 Steel Structures

304-1.4.1 Furnish and Install HSS 14x6x1/2” Beam [Add the following section]:

Furnishing and Installing HSS beam shall include all material, time, labor, equipment, and any other item needed to furnish and install according to these specifications, the plans, and as required by the City, per EA (Each) as specified in the plans on page 9393.07 (S101).

304-1.4.2 Furnish and Install HSS 8x6x1/2” Beam [Add the following section]:

Furnishing and Installing HSS beam shall include all material, time, labor, equipment, and any other item needed to furnish and install according to these specifications, the plans, and as required by the City, per EA (Each) as specified in the plans on page 9393.07 (S101) and within the structural plan details.

304-1.4.3 Furnish and Install Steel Column [Add the following section]:

Furnishing and Installing Steel Columns shall include all material, time, labor, equipment, and any other item needed to furnish and install according to these specifications, the plans, and as required by the City, per EA (Each) as specified in the plans on page 9393.07 (S101) and within the structural

plan details.

304-1.4.4 Furnish and Install Corrugated Metal Roofing [Add the following section]:

Furnishing and Installing HSS beam shall include all material, time, labor, equipment, and any other item needed to furnish and install according to these specifications, the plans, and as required by the City, per EA (Each) as specified in the plans on page 9393.07 (S101) and within the structural plan details.

304-2 METAL HAND RAILINGS

304-2.4 Measurement and Payment [Replace this section with the following]:

The various types of railing will be measured and paid for by the LF (linear foot) from end to end along the face of the railing, including terminal sections and all installation hardware per 304-2.3 and 206-5.1. Payment shall include full compensation for all labor, materials, incidentals, required to complete the work and shall also include the costs for any over-excavation/foots/grout and painting (hot and cold galvanizing) as shown and detailed in the contract plans and no additional compensation will be made therefore.

SECTION 306 – METAL FABRICATION AND CONSTRUCTION

306-3 TRENCH EXCAVATION

306-3.1 Measurement and Payment [Add the following to this section]:

No trenching is to be done at a depth of greater than 5 feet unless a substantial reason is determined and approval is received from the CITY in writing. All Excavation shall be included in the bid item 'Furnish and Install 4" PVC pipe' per Linear Foot (LF) as agreed in the bid schedule and no additional payment shall be made. This pay item shall include full compensation for all labor, materials, tools, equipment, and incidentals required to complete the work as shown and detailed in the contract plans and no additional compensation will be made therefore.

Trench Excavation shall also include compaction, or soil relocation, within 20 feet of the site if required, and no additional payment will be made therefore.

310-6 ANTI-GRAFFITI COATING INSTALLATION [Add the following section]:

Anti-Graffiti coating shall be applied to concrete cast in place constructed walls, site furnishings including their components, and any other items specified within the plans or these specifications.

Anti-graffiti coating, per this section, shall also be applied to precast concrete site furnishings, benches, tables, litter, receptacles, seat walls, light poles, etc. by the Manufacturer prior to

installation and delivery to the site, and the contractor shall be responsible for conformance to manufacturer specifications and conformance to any directive given by the CITY

END OF PART THREE

PART 4 – SPECIAL PROVISIONS – EXISTING IMPROVEMENTS

SECTION 400 – PROTECTION AND RESTORATION

400-1 GENERAL [Add the following to this section]:

The Contractor shall protect all existing utilities and facilities that are relocated or are marked to remain in place on the plans or these specifications prior to and during the construction of the work.

SECTION 401 – REMOVAL

401-3 CONCRETE AND MASONRY IMPROVEMENTS

The Contractor shall dispose of all materials and other debris at a legal site outside of the work area and in accordance with 300-1.5 & 300-2.9 in these specifications and within the 2021 Greenbook.

401-3 CONCRETE AND MASONRY IMPROVEMENTS

401-3.3 Reinforced Concrete and Masonry Structures

401-3.3.1 Payment [Add the following to this section]:

Compensation for the removal of reinforced concrete and masonry structures, including the removal of the existing retaining wall, footings, and bleachers needed to perform work including in the Contract documents, Plans, Standard Specifications, or Special Provisions shall be included per CY (cubic yard) and no additional compensation will be allowed. Said compensation shall include furnishing all labor, materials, tools, equipment, transportation, and doing all work involved in the removal areas as specified in these special provisions, standard specifications, and plans, as directed by the Engineer, including the removal, salvaging, and disposal of all resulting materials.

401-7 PAYMENT

401-7.1 Payment for the Removal and Replacement of the Retaining Wall

Compensation for the removal of the Retaining wall, including the material, labor, transportation, and any other item needed to complete the work specified in the Contract documents, Plans, Standard Specifications, or Special Provisions shall be included per LS (Lump Sum) and no additional compensation will be allowed. Said compensation shall include furnishing all labor, materials, tools,

equipment, transportation, and doing all work involved in the removal areas as specified in these special provisions, standard specifications, and plans, as directed by the Engineer, including the removal, salvaging, and disposal of all resulting materials.

401-7.2 Payment for the Removal of Existing Shade Structure

Compensation for the removal of the existing shade structure needed to perform work including in the Contract documents, Plans, Standard Specifications, or Special Provisions shall be included per LS (lump sum) and no additional compensation will be allowed. Said compensation shall include furnishing all labor, materials, tools, equipment, transportation, and doing all work involved in the removal areas as specified in these special provisions, standard specifications, and plans, as directed by the Engineer, including the removal, salvaging, and disposal of all resulting materials.

END OF PART FOUR

PART 6 – SPECIAL PROVISIONS – TEMPORARY TRAFFIC CONTROL

SECTION 601 - TEMPORARY TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTANENCE WORK ZONES

601-2 TEMPORARY TRAFFIC CONTROL PLAN (TCP) [Add the following to this section]:

601-2.1 General [Add the following to this section]:

If Contractor deems it necessary to use public Right of Way for construction, the Contractor must submit a Traffic Control Plan for approval by the City of La Mesa with detailed drawings and timings of any proposed lane closures and detours prior to the commencement of work.

601-2.2 Payment [Add the following to this section]:

The bid price for Traffic Control and Safety Plan shall be included in the bid item lump sum. The bid item shall include full compensation for preparing and furnishing a detailed traffic control plan and for furnishing all labor, materials, tools, equipment and incidentals and for doing all the traffic control related work involving placing, removing, storing, maintaining, moving to new locations, replacing and disposing of the components of traffic control system, as included in the bid schedule and plans, and no additional compensation will be allowed. The bid price shall include transitions, including installation and removal; all associated temporary signing and striping; and any other work included in the TCP where no additional compensation will be made therefore.

Payment for the Temporary Traffic Control shall not include any additional payment for additional traffic control required by the Engineer. The Contractor shall be responsible for providing traffic

control plans and getting approval from the Engineer prior to working at that location.

END OF PART SIX

PART 8 – SPECIAL PROVISIONS – LANDSCAPE AND IRRIGATION

SECTION 800 - MATERIALS

800-1 LANDSCAPING MATERIALS

800-1.1 Topsoil

800-1.1.2 Class “A” Topsoil [Replace the following section]:

- a. Class “A” Topsoil shall be from a selected source outside the limits of the Work.
- b. Class “A” topsoil shall have the same relative composition and structure, a friable sandy loam character, and be free of roots, clods, pockets of coarse sand, noxious weeds, sticks, brush, and other litter. Class “A” topsoil shall not be infested with nematodes or other undesirable insects and plant disease organisms. All non-organic components of imported Class “A” topsoil shall pass the 4.75mm (No. 4) sieve. Organic components shall conform to table 800-1.2.4.
- c. Class “C” topsoil being corrected to meet Class “A” shall be free of stones larger than ½” inch (12.5mm) in their largest dimension.
- d. The Agronomic Topsoil Test procedure shall be as follows:
 - Submit the source and location of the soil, a physical sample, and current test results by a third-party independent agronomic laboratory reflecting compliance with the Contract Documents to the Engineer and CITY within 15 working days of the NTP.
 - A second series of independent third-party agronomic soil tests shall be required 15 working days before soil placement to verify conformance with these specifications.
 - A third series of tests by a third-party agronomic laboratory shall be required after soil placement to verify conformance with this section.
 - All on-site collections shall follow the protocol as follows:
 - Collected soil shall be identified and labeled specific to the Rolando Park Project with the Contractors contact information. Once 3 composite samples from different locations from the field are collected, provide a pre-paid and preaddressed shipping bag or envelope addressed to the testing company. The bag or envelope shall be dropped off to the shipping source by the Engineer,

unless otherwise agreed by the CITY or the Engineer, to ensure the material shipped to the testing company is the actual on-site material tested. Sample locations shall be approved by the Engineer.

- No planting shall begin until test results confirm the agricultural suitability of the topsoil. You are responsible for all third-party independent laboratory testing expenses.

e. The test results shall provide the following information:

- i. Date testing
- ii. Project name
- iii. Contractor's name
- iv. Source of Materials and Supplier's Name
- v. Estimate of Quantity Needed in Cubic Yards
- vi. Soil Gradation
- vii. Soil permeability
- viii. Toxic Elements
- ix. Chloride Content
- x. pH
- xi. Ece (Electrical Conductivity)
- xii. SAR (Sodium Absorption Ratio)
- xiii. Organic Content
- xiv. Water-soluble Nutrient Levels
- xv. Recommendations for adding amendments, chemical corrections, or both.

f. The topsoil shall conform to the following agricultural suitability requirements:

pH	6.0-7.5
Ece (Electrical Conductivity)	0.0-3.0
SAR (Sodium Absorption Ratio)	0.0-5.0
Chloride Content	Less than 150 ppm
Boron Content	Less than 1 ppm
Organic Content	3% to 6% by dry weight
Carbon: Nitrogen Ratio	20:1 maximum
Sandy Loam Gradation Limit*	Gravel over 2mm: Less than 10% by weight Sand : 75% to 85% Sand finer than 100 mesh (0.15mm): Less than 15% Sand finer than 60 mesh (0.25mm): Less than 40% Sand larger than 32 mesh (0.5mm): Minimum 15% Silt: 20% maximum Clay: 15% maximum
Permeability Rate**	2 inches to 5 inches per hour at 80% compaction

* Per USDA Classification Scheme.

* * Tested in accordance with USDA Handbook Number 60, method 34b or other approved method.

Topsoil which requires amending to comply with these specifications shall be uniformly blended

prior to importation. Once blended, provide the Engineer with documentation showing the stockpile and the quantity prepared of the amended topsoil reserved for the Project. Third party independent laboratory test results reflecting compliance with above requirements shall be provided to the Engineer prior to the delivery of the topsoil.

800-1.1.3 Class “B” Topsoil [Add the following to this section]:

Topsoil shall be weed free upon delivery or treated as specified for weed eradication, prior to placement.

Prior to placement, Class “B” topsoil shall meet and shall be tested for the agricultural suitability requirements stated in item 5 of 800-1.1.2 Class “A” topsoil. The soils shall be amended in accordance with 801-2.2, “Topsoil preparation and Conditioning” based on recommendations included in the test results and as approved by the Engineer.

800-1.1.4 Class “C” Topsoil [Add the following to this section]:

The soils shall be tested for agricultural suitability in accordance with 800-1.1.2, “Class ‘C’ Topsoil”. The Soils may be amended in accordance with the recommendations included in the test results, only as approved by the Engineer. Soil amendments specified herein shall be used for bidding purposes and may be adjusted by the Engineer, according to the soils report.

800-1.3 Seed [Replace this section]:

Seed shall be fresh, clean, new crop seed, and mechanically premixed to the specified proportions.

Seed shall be delivered to the Work site in original unopened containers bearing the dealer’s “Guaranteed Analysis”, germination percentage, and a certificate, stamp, or release by a County Agricultural Commissioner. Any seed tagged “Warning, Hold for Inspection” shall be inspected and released by the Agricultural Commissioner of the County within which the seeds are to be planted.

All seed used for lawn, erosion control, or other planting specified on the Plans or listed in the specifications shall be furnished in labeled and sealed standard containers with duplicate signed copies of a statement from the vendor certifying that each container of seed delivered is fully labeled in accordance with the California State Agricultural Code stating the certified percent of purity and germination.

Seed which has become wet, moldy, or otherwise damaged in transit or storage shall not be accepted.

Custom seed blends shall have the project name printed on the seed tag. Prior to the start of any seeding operation, custom seed blends shall be inspected and approved by the Engineer once

delivered to the Site.

Unless otherwise specified, turf seed shall be one of the following or approved equal:

- a) 20% Common Bermuda, 10% Hybrid Bermuda, 10% "Barclay" Perennial Rye, and 60% "Turfstar" Perennial Rye.
 - a. Seeds shall be hulled when applied from April to September.
 - b. Seeds shall be unhulled when applied from October through March.

Hydro seed types shall be in conformance with the seed mixture identified on the plans. Seeds shall meet or exceed the percent live seed (% seed purity x % germination rate = % live seed) identified on the plans.

Contractor shall submit current data of percent seed purity, percent germination rate, and percent pure live seed counts for all seeds specified in the mixture for approval. The data submitted shall be prepared on the seed manufacturer's or seed distributors letterhead, list the date, and be prepared for the contractor.

800-1.4 Plants

800-1.4.1 General [Replace this section]:

Plants shall be Drought-resistant and shall follow the instructions below:

1. Plants shall be inspected and approved by the Engineer prior to planting at the time of arrival to the job site. Prior to 15 Working Days before installation, you shall submit photos of all proposed plants to be used in accordance with 3-8.4, "Supporting Information".
2. Plants shall have a growth habit normal to the species and shall be sound, healthy, vigorous, and free from insect pests, plant diseases, sun scalds, fresh bark abrasions, excessive abrasions, or other objectionable disfigurements.
3. Tree trunks shall be sturdy and well "hardened off".
4. Plants shall have normal well-developed branch systems and vigorous and fibrous roots systems which are neither root nor pot bound and are free of kinked or girdling roots.
5. Other than normal side pruning during the growth period, pruning shall not be done prior to the inspection at the nursery.
6. The scientific and common names of plants specified shall conform to the approved names given in the "Western Garden Book" published by Sunset Publishing, Menlo Park, CA.
7. When delivered on site, each group of plant materials shall be labeled clearly from the nursery source as to species and variety. Patented plants (Cultivars).
8. Contractor shall notify the City a minimum of 48 hours before each plant delivery so the City can schedule a review.
9. Availability: Within 2 weeks of the start of the work, the Contractor shall place orders for all plant material in sufficient time to reserve or grow the plants for the project. No

substitutions will be allowed. If plants are not available, the Contractor shall have the specified species contract grown by a reputable plant nursery. Provide nursery name and resume for review and approval prior to contract growing.

10. Quality and size: Plants shall be in accordance with the California State Department of Agriculture Regulations for Nursery Inspections of Rules and Grading. Nursery tags must be submitted to the Landscape Architect. Sizes shall conform to the dimensions indicated on the planting plan.
11. Quantities: Plant quantities indicated on the plans are for Contractor's convenience only. Quantities of all plant materials shall be furnished as needed to complete work as shown on the Plans.
12. The City is the sole judge as to the acceptability of each plant. Vigorous, healthy, well-proportioned plants are the intent of this specification. Plants which are even moderately "overgrown", or are showing signs of decline or lack of vigor are subject to rejection. The size of the plants will correspond with that normally expected for species and variety of commercially available nursery stock, or as specified in the special conditions or plans. Plants larger in size than specified may be used with the approval of the Landscape Architect, but the use of larger plants will make no change in contract price. If the use of larger plants is approved, the ball of earth and spread of roots for each plant shall be increased proportionately.
13. Rejection or substitution: The CITY reserves the right to reject any plant material found to be defective or not in conformance with plans and specifications. Plants shall be subject to inspection and approval or rejection at the project site at any time before or during progress of work, for size, variety, condition, latent defects, and injuries. All plants not conforming to the requirements herein specified shall be considered defective, and such plants, whether in place and installed or not, shall be marked as rejected and immediately removed from the site and replaced with new plants by the Contractor at his expense. Rejected plant material shall be replaced within one week of written notice, unless otherwise approved by the Resident Engineer. Substitutions will not be permitted except if proof is submitted that the specified plants are unavailable and with the CITY's written approval for the changed plant.
14. Right to Changes: The CITY reserves the right to change the species, variety, and/or size of plant material to be furnished, provided that the cost of such plant changes do not exceed the cost of plants in the original bid, and with the provision that the Contractor shall be notified, in writing, at least thirty (30) days before the planting operation has commenced.

g. Removing and disposing of interfering portions of, making modifications to, and

maintaining existing public and private sprinkler systems in working order. This includes water supply, water distribution, electrical supply, and electrical control elements of the existing sprinkler system.

- h. Protection of all existing structures and improvements which fall within or are adjacent to the limits of work under this Contract and plans and in accordance with Part 4 of the Standard specifications.
- i. Removal and salvage/disposal of miscellaneous items such as utility boxes and covers, street signs, posts, poles, interfering portions of water, sewer and storm drain pipes, fences, mail boxes, and retaining walls.
- j. Removal and disposal of interfering portions of abandoned utility lines and structures and the filling with concrete slurry and plugging of abandoned pipes and conduits not removed.
- k. Installation, maintenance, removal, and relocation of fences, temporary fences, and gates as required in these Special Provisions and/or for the Contractor's convenience.
- l. Removal and disposal of interfering portions of abandoned utility lines and structures and the filling with concrete slurry and plugging of abandoned pipes and conduits not removed.

END OF PART EIGHT