

## **BID ADDENDUM NO. 4**

October 01, 2018

### **Johnson Student Center**

### **Building Demolition, Increment 1 (Demolition) and Increment 2**

RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT  
SANTA ANA, CA

### **DSA App. Nos.**

### **04-116810-1 and 04-116810-2**

TO: PROSPECTIVE BIDDERS

This Addendum forms a part of the Contract Documents and modifies the original Bidding Drawings and Specifications. Acknowledge receipt of this Addendum in spaces provided on the Bid Form. Failure to acknowledge may subject Bidder to disqualification.

- **Drawings**

Architectural:

- Increment 2
  - i. Building lettering, refer to specification section 101400: Provide CAST ALUMINUM lettering per contract document documents (18”h, 30”h – Font type is Neutra Text Bold. The cast aluminum lettering colors: White background (ie. Gyp. Bd walls) lettering will be Champagne Bronze (dark gray – match window mullions). Dark background (ie. Metal panels) lettering will be White.

Civil:

- Building Demolition
  - i. Re-issue of sheet C1.00 (addendum 3), refer to clouds and delta 4
    - 1. Refer to landscape, hardscape, underground wet/dry utilities being removed/demoed in their entirety in lieu of being protected.
    - 2. Revised/removed notes as needed for phasing of work with increment 1 and 2.
- Increment 1
  - i. Revised pile depth demolition to reflect Architectural sheet A0.00D. Refer to attached full size sheet C1.0-D.
  - ii. Revised language at Detail 1 “of the foundation, whichever is greater...”

- **Pre-Bid Clarification (PBC) Responses**

- Responses to PBC’s, refer to attachments and list of PBC’s included - below.

**ATTACHMENTS**

Drawings full size:

- Civil:
  - Building Demolition
    - C1.00
  - Increment 1
    - C1.0-D
  - Increment 2
    - C3.0, C3.1, C5.2, C5.4

Specification(s)

- Increment 2
  - 320523
  - 321200

Requests for Clarifications:

- PBC 38
- PBC 39
- PBC 40
- PBC 41
- PBC 42
- PBC 43
- PBC 45
- PBC 46
- PBC 47
- PBC 48 (NOT USED)
- PBC 49 w/ attachment 321200
- PBC 50 w/ attachment C3.0, C3.1
- PBC 51 w/ attachment C5.2
- PBC 52 w/ attachment 320523
- PBC 53
- PBC 54
- PBC 55
- PBC 56
- PBC 57
- PBC 58
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Rancho Santiago Community College District  
Johnson Student Center  
Building Demolition, Increment 1 (Demolition) and Increment 2

- PBC 73
- PBC 74
- PBC 75
- PBC 76
- PBC 77 w/ attachment C5.4
- PBC 78
- PBC 79

PBC Log \*

*\* Should there be a discrepancy between the PBC log and the PBC response, the PBC form shall take precedence.*



### EARTHWORK NOTES TO CONTRACTOR:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PLANS THOROUGHLY PRIOR TO MOBILIZATIONS. IT IS ALSO THE GRADING CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CIVIL OF RECORD IF ONSITE DISCREPANCIES ARE OBSERVED THAT WOULD AFFECT THE EARTHWORK.
- THE EXISTING TOPOGRAPHY SHALL BE UTILIZED AS THE BASIS FOR ALL EARTHWORK COMPUTATIONS. SAID TOPOGRAPHY SHALL BE PRESUMED TO BE ACCEPTABLE TO ALL INTERESTED PARTIES UNLESS A DEVIATION IS FOUND PRIOR TO THE START OF GRADING IN ANY SPECIFIC AREAS, ANY DEVIATION SO DETERMINED SHALL BE PROMPTLY TRANSMITTED TO ALL INTERESTED PARTIES.
- THE CONTRACTOR IS REQUIRED TO ESTIMATE THE QUANTITIES OF GRADING WORK TO BE DONE AND INCLUDE ALL COSTS THEREFROM WITHIN HIS BID, AND NO ADDITIONAL ALLOWANCE WILL BE MADE WITHOUT PRIOR CONSENT FROM THE OWNER.
- OFF-SITE DISPOSAL OF EXCAVATION MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN HIS BID. THE CONTRACTOR SHALL HOLD THE OWNER AND ENGINEER HARMLESS AS A RESULT OF ANY CLAIMS ARISING FROM THE ACTIONS ENROUTE OR AWAY FROM THE SITE.
- ANY EXPORT OR IMPORT REQUIRED TO BALANCE THE SITE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PROTECTION NOTES		DEMOLITION NOTES	
(A) (36)	PROTECT IN PLACE EXISTING STORM DRAIN	(1)	EXISTING BUILDING TO BE DEMOLISHED (REMOVED) IN ITS ENTIRETY. REMOVE/DEMOL EXISTING SLAB ON GRADE (SOG) IN ITS ENTIRETY CUT/CLEAR STEEL REINFORCEMENT 1' TOP OF EXISTING CAPS/GRADE BEAMS TO REMAIN. PROVIDE ENGINEERED FILL AS REQUIRED. REFER TO CIVIL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. SEPARATE DEMOLISHED MATERIAL PER LEED GREEN BUILDING RATING SYSTEM WASTE MANAGEMENT.
(37)	PROTECT IN PLACE EXISTING SEAT WALLS AND ASSOCIATED LANDSCAPING AND HARDSCAPING	(2)	REMOVE EXISTING STORM DRAIN INLET
(38)	PROTECT EXISTING MONUMENT	(3)	REMOVE EXISTING CONCRETE CULVERT/STORM DRAIN LINE AND CAP AT BOUNDARY LINE
(39)	PROTECT EXISTING TREE	(4)	REMOVE EXISTING SEAT WALLS IN THEIR ENTIRETY INCLUDING FOOTINGS, WITHIN THE DEMOLITION BOUNDARY
		(5)	REMOVE EXISTING STAIRS IN THEIR ENTIRETY INCLUDING ALL FOOTINGS
		(6)	REMOVE EXISTING SILENT LIGHT AND BASE IN ENTIRETY. REFER TO AS-BUILT PLANS FOR FULL DESCRIPTION OF LIGHTING FIXTURES AND BASES.
		(7)	REMOVE ALL EXISTING PAVING AND ASSOCIATED REBAR/CONCRETE WITHIN DEMOLITION BOUNDARY
		(8)	REMOVE ALL EXISTING TREES AND LANDSCAPING WITHIN THE DEMOLITION BOUNDARY INCLUDING ALL ROOTS, ROOT BALLS 3' BEYOND TREE CANOPY.
		(9)	REMOVE ALL EXISTING BOLLARDS WITHIN DEMOLITION BOUNDARY
		(10)	REMOVE EXISTING MANHOLE
		(11)	REMOVE ALL EXISTING C.L. FENCING WITHIN DEMOLITION BOUNDARY
		(12)	REMOVE EXISTING ELECTRICAL EQUIPMENT
		(13)	REMOVE/DEMOL EXISTING SHED IN ITS ENTIRETY INCLUDING FOOTINGS, GRADE BEAMS, AND CAPS AS NOTED ON ARCHITECTURAL PLANS, LEVEL AND COMPACT BUILDING REMOVAL AREA.
		(14)	REMOVE ALL ELEVATORS IN THEIR ENTIRETY INCLUDING ELEVATOR FITS AND THEIR FOOTINGS
		(A) (15)	REMOVE EXISTING SEWER.
		(16)	REMOVE EXISTING WATER
		(17)	REMOVE EXISTING FIRE HYDRANT

#### AERIAL SURVEY LEGEND

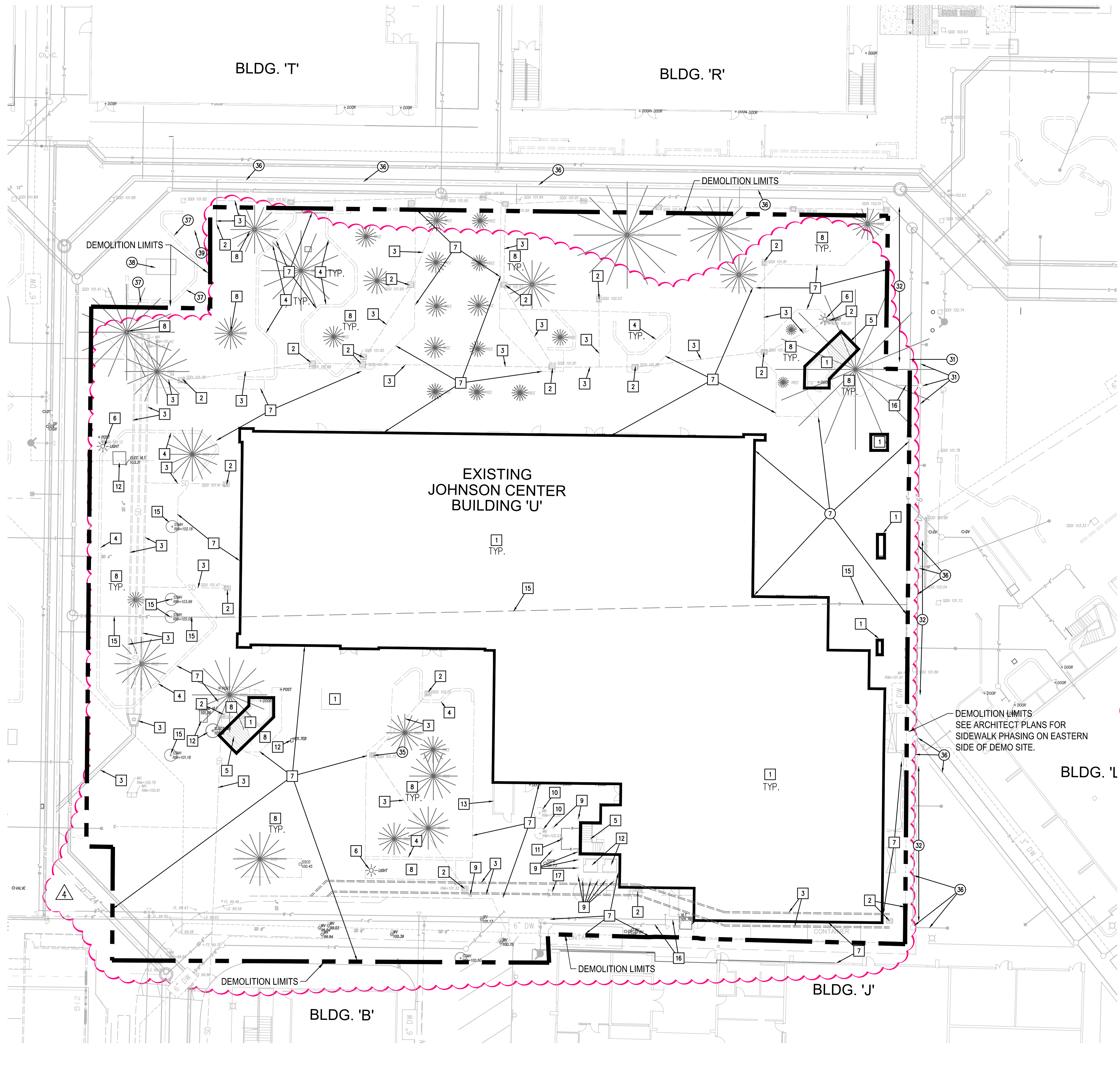
CONC	CONCRETE
ASPH	ASPHALT
○	TREE
○	BUSH
○ U/O	PALM TREE
○	UNIDENTIFIED OBJECT
○ U	LIGHT STANDARD
○ TS	TRAFFIC SIGNAL
○	STREET LIGHT
○ S	SIGN (10')
○ S	SIGN (5')
○ LS	LARGE SIGN POST
○ CB	CATCH BASIN
○ DI	DROP INLET
○ LP	LIGHT POLE
○ M	PARKING METER
○ DI	DROP INLET
○ RRS	R.R. SIGNAL
○ S	SIGN
○ F/H	FIRE HYDRANT
○	POWER POLE
○	TRANSFORMER BOX
○	GUYWIRE/ANCHOR
○ M	METER
○	POST (NO LABEL)
○ V	VALVE
○ MH	MANHOLE
○ &	HANDICAP
○ UB	UTILITY BOX
○ SP	STAND PIPE
○	FENCE
○	RETAIN WALL/FENCE
○	RETAINING WALL
○	TREE LINE-DROP LINE
○	BRUSH LINE
○ x24.0	SPOT GRADE
○	STORM DOOR MANHOLE
○	WATER VALVE
○	SEWER MANHOLE
○	SIGN
○	UTILITY POLE
○	GUY ANCHOR
○	MANHOLE
○	SEWER CLEANOUT
○	ELECTRIC PULL BOX
○	CATV PULL BOX
○	WATER METER BOX

#### ABBREVIATIONS

ASPH	ASPHALT SURFACE
ATM	BANKING MACHINE
BRK	BRICK SURFACE
BWL	BRICK WALL
CD	CURB DOOR
COL	COLUMN/PILLAR
CONC	CONCRETE SURFACE
DC	DETECTOR CHECK
DNE	DO NOT ENTER
ECB	ELECT. CONTROL BOX
EG	EDGE OF CUTTER
ELM	EL. METER
EOC	EDGE OF CONCRETE
EVT	ELECT. VAULT
FDC	FIRE DETECTOR CHECK
FL	FLOW LINE
FF	FINISHED FLOOR
FR	FIRE RISER
FS	FINISHED SURFACE
GWC	GWC SIGNAGE
ICV	IRR. CONTROL VALVE
LKD	LOCKED (NO ACCESS)
MKR	MARKER
MOW	MOW STRIP
MTR	METER
NG	NATURAL GROUND
PG	PLAYGROUND AREA
PKNG	PARKING
PLT	PLANTER
PR	PILLAR
PT	PICNIC TABLE
RMP	RAMP
RW	RETAINING WALL
S	SANITARY SEWER
SB	SPEED BUMP
SCR	SCREEN WALL
SCO	SEWER CLEANOUT
SD	STORM DOOR
SDR	STORM DOOR RISER
SPDL	SPEED LIMIT SIGN
ST	STEP/STOOP
STR	STAIRCASE
T	TELEPHONE
TC	TOP OF CURB
TC	TOP OF GRATE
TVT	TEL. VAULT
W	WATER
WL	WALL
WVT	WATER VAULT
???	ORIGIN/DESTINATION UNKNOWN

#### FIELD SURVEY LEGEND

○	AIR RELEASE VALVE	○	STREET LIGHT
○	BLOW OFF	○	STREET LIGHT PULL BOX
○	BOLLARD	○	STORM DOOR MAN HOLE
○	CABLE TELEVISION PULL BOX	○	TELEPHONE MANHOLE
○	DOOR	○	TELEPHONE PULL BOX
○	ELECTRIC METER	○	TREE
○	ELECTRICAL MANHOLE	○	TRAFFIC SIGNAL
○	ELECTRICAL PULL BOX	○	TRAFFIC SIGNAL PULL BOX
○	FIRE DEPARTMENT CONNECTION	○	VENT
○	FIRE HYDRANT	○	WATER METER
○	GAS VALVE	○	WATER MAN HOLE
○	GAS METER	○	WATER VALVE
○	GUY WIRE	○	UTILITY POLE
○	IRRIGATION CONTROL VALVE	○	SPOT GRADE (24.00)
○	PARKING LIGHT		
○	MAILBOX		
○	MANHOLE		
○	PALM TREE		
○	PARKING METER		
○	SEWER MAN HOLE		
○	SEWER CLEAN OUT		
○	SIGN		

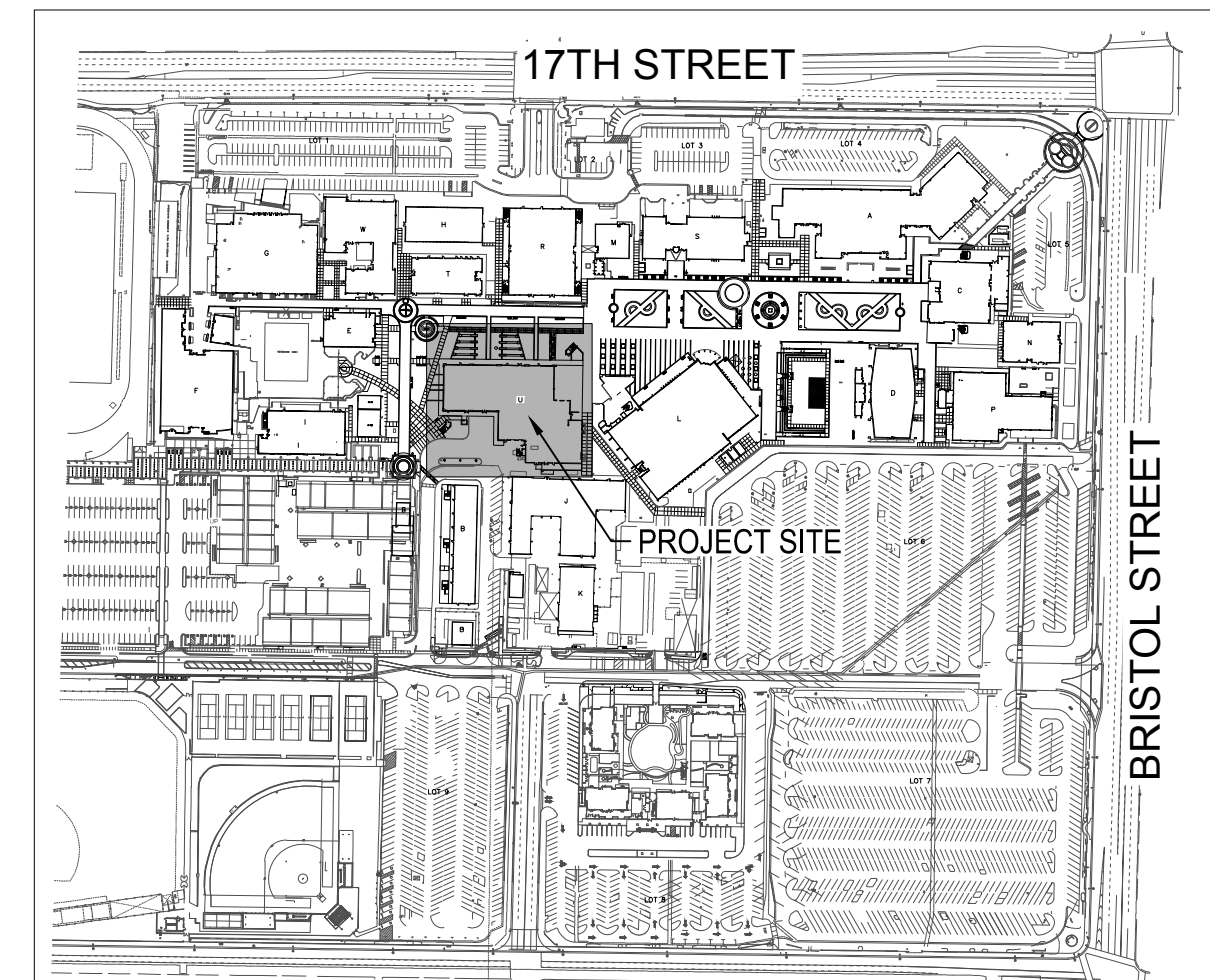


### GRADING NOTES:

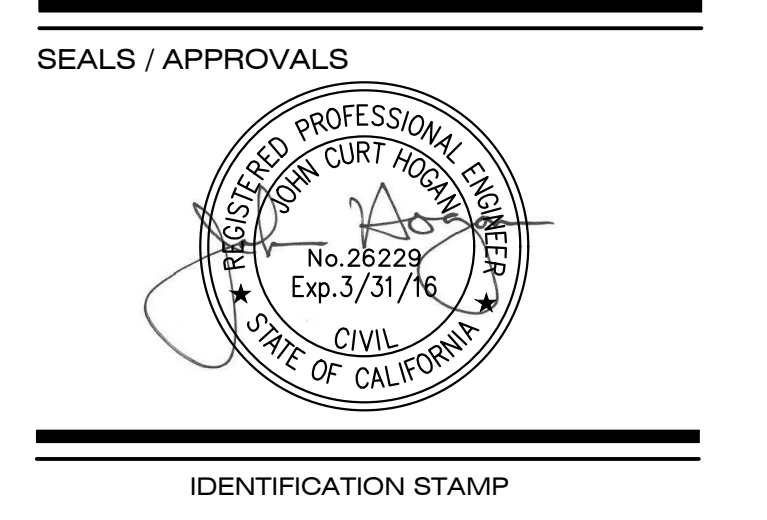
- EXISTING CONCRETE, BASE ROCK, AND REBAR TO BE REMOVED. SEPARATE DEMOLISHED MATERIAL PER LEED GREEN BUILDING RATING SYSTEM WASTE MANAGEMENT. ALL EDGES TO BE SAWCUT WITH A CLEAN EDGE, OR JOINT TO JOINT, PANEL TO PANEL. FOR BID PURPOSES, CONTRACTOR SHALL ASSUME 6' OF CONCRETE OVER 6" OF BASE CONCRETE AT HARDSCAPE/SIDEWALK.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2013 CBC AND THE CITY OF SANTA ANA GRADING ORDINANCE AND ANY SPECIAL REQUIREMENTS.
- CUT SLOPES SHALL BE NO LONGER THAN 2 HORIZONTAL TO 1 VERTICAL.
- FILLS SHALL BE COMPACTED THROUGHOUT TO A MINIMUM RELATIVE COMPACTION OF 90%. TESTING SHALL BE IN ACCORDANCE WITH ASTM TEST METHODS D1556, D2937, D2922, AND D3017.
- AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND COMPACTED TO 90% RELATIVE DENSITY.
- ANY EXISTING IRRIGATION LINES SHALL BE REMOVED OR CAPPED AT LIMITS OF DEMOLITION AND BACKFILLED PER DIRECTION OF THE OWNER'S REPRESENTATIVE.
- ALL TRENCH BACKFILLS SHALL BE TESTED AND CERTIFIED BY THE SITE GEOTECHNICAL ENGINEER PER THE GRADING CODE.
- THE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST SHALL PERFORM SUFFICIENT TESTS AND INSPECTIONS AND BE AVAILABLE DURING GRADING AND CONSTRUCTION TO VERIFY COMPLIANCE WITH THE PLANS, POLITICAL ACTIONS, AND CODE WITHIN THEIR PURVIEW. ENGINEERED FILL SHALL BE TESTED FOR STRUCTURAL CAPACITY.
- THE PERMITTEE SHALL COMPLY WITH THE GRADING CODE REQUIREMENTS WHEN AN EXCESS OF 5,000 CUBIC YARDS OF EARTH IS MOVED ON PUBLIC ROADWAYS FROM THE SITE OF EARTH GRADING OPERATION.

### GENERAL NOTES:

- PROTECT ALL ITEMS OUTSIDE OF DEMOLITION AREA DURING JOHNSON CENTER BUILDING DEMOLITION AND CONSTRUCTION
- REMOVE INTERFERING SECTIONS OF LANDSCAPING AS REQUIRED
- GRADING OF CLEARED SITE TO BE DETERMINED DURING FINAL SITE IMPORT AFTER LEVELING AND COMPACTION OF ANY EXCAVATIONS. DEMOLITION AREA PERIMETER TO BE GRADED TO JOIN AND MATCH EXISTING ELEVATIONS. REFER TO SHEET C2.00 FOR FINAL GRADING.
- REFER TO ATTACHED AS-BUILT DRAWINGS FOR FURTHER INFORMATION ON BUILDING FOUNDATION REINFORCEMENTS, PILES, AND FOOTING DEPTHS - REFERENCE ONLY.
- REMOVE ALL CAMERAS MOUNTED ON EXISTING JOHNSON CENTER BUILDING AND TURN OVER TO DISTRICT
- CONTRACTOR WILL KEEP A RECORD OF AS-BUILTS AND PROVIDE AT END OF CERTIFICATION.



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**PROJECT TITLE**  
 JOHNSON STUDENT CENTER  
 DEMOLITION  
 1530 West 17th Street, Santa Ana, CA 92706



2323 NORTH BROADWAY  
 SANTA ANA, CA 92706

SUBMITTALS		
#	DATE	DESCRIPTION
1	12/07/2017	100% CD SUBMITTAL
2	09/28/2018	ADDENDUM 4

**PROJECT IDENTIFICATION** Project Number  
 THESE DRAWINGS ORIGINALLY CREATED IN AUTOCAD REVIT V. 2014  
 THE ORIGINAL SIZE OF THIS SHEET IS 30" X 42"

**DRAWN BY** - SRMO  
**CHECKED BY** - MSO  
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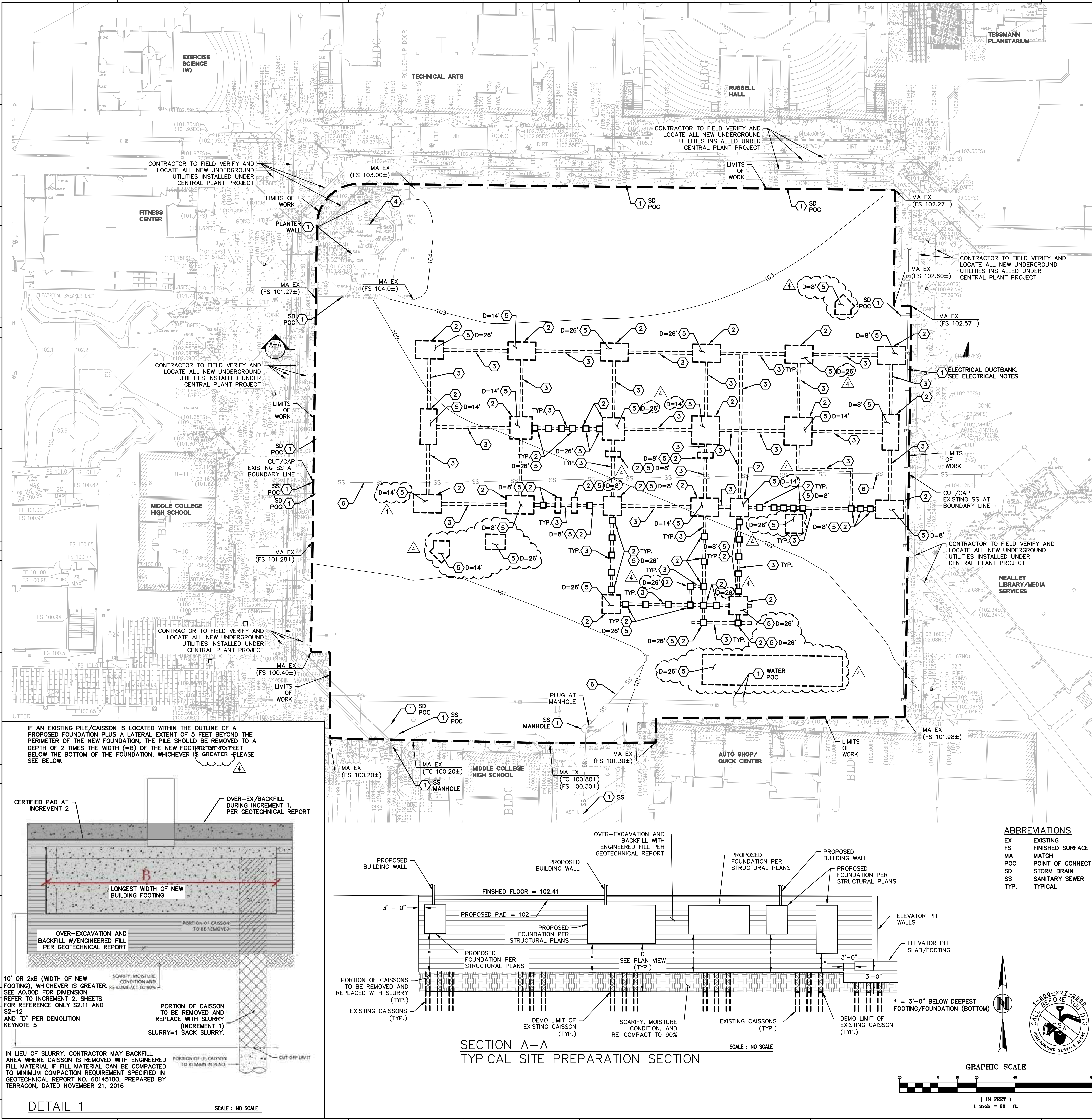
**SHEET TITLE**  
 EXISTING SITE AND  
 DEMOLITION PLAN

**SHEET NUMBER**  
C1.00

CONSTRUCTION DOCUMENTS

Drafted by: S. M. V. 11/25/2015 9:00:23 AM  
 User: S. M. V. 11/25/2015 9:00:23 AM  
 Title: 11/25/2015 9:00:23 AM  
 Job Name: L:\41011  
 User: S. M. V. 11/25/2015 9:00:23 AM





**GENERAL NOTES:**

UNAUTHORIZED CHANGES & USES: THE PROFESSIONAL PREPARING THESE DRAWINGS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE DRAWINGS. CHANGES TO THESE DRAWINGS MUST BE REQUESTED IN WRITING AND MUST BE APPROVED BY THE APPROPRIATE PROFESSIONAL.

**THE CONTRACTOR SHALL:**

- OBTAIN RELEVANT PERMITS AND APPROVALS REQUIRED BY GOVERNING AGENCIES PRIOR TO COMMENCING WORK.
- ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION FOR THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT APPLIES CONTINUOUSLY, AND IS NOT LIMITED TO NORMAL WORKING HOURS.
- PROVIDE A PROPERLY SIGNED ALTERNATE ACCESSIBLE ROUTE OF TRAVEL IF CONSTRUCTION ACTIVITIES IMPACT PEDESTRIAN ACCESS. THIS REQUIREMENT APPLIES CONTINUOUSLY, AND IS NOT LIMITED TO NORMAL WORKING HOURS.
- REPAIR DAMAGE TO FACILITIES OCCURRING AS A RESULT OF DEMOLITION ACTIVITIES TO RETURN THEM TO THEIR CONDITION PRIOR TO CONSTRUCTION. IF THE CONTRACTOR DOES NOT ACT PRUDENTLY, RSCCD MAY, AT ITS DISCRETION, PERFORM THE CORRECTION AND CHARGE THE CONTRACTOR FOR COSTS INCURRED.
- PROVIDE RECORD DRAWINGS TO THE OWNER'S REPRESENTATIVE, WHICH INCLUDES IMPROVEMENTS THAT DEVIATE FROM IMPROVEMENTS SHOWN ON THE ORIGINAL DESIGN DRAWINGS.

**SEWER DEMOLITION NOTES**

1. CONTRACTOR TO REMOVE EXISTING SEWER MAIN WITHIN BUILDING "U" IN ITS ENTIRETY.

**ELECTRICAL NOTES**

1. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN REMOVING PILE CAPS AND PILES IN THIS AREA. PILE AND PILE CAPS ARE IN VERY CLOSE PROXIMITY TO A HIGH VOLTAGE ELECTRICAL DUCTBANK THAT SERVES SEVERAL BUILDINGS ON CAMPUS.

**DEMOLITION NOTES:**

- CONTRACTOR TO REMOVE ALL UNDERGROUND UTILITIES AND STRUCTURES THAT ARE IN THE FOOTPRINT OF THE NEW BUILDING, PLUS TEN FEET OF OVER-EXCAVATION. REFER TO INCREMENT 2 FOR FOOTPRINT OF NEW BUILDING AND ALL EXTERIOR SITE STRUCTURES.
- UTILITIES SHOWN ON THIS PLAN ARE DERIVED FROM RECORD DATA, SURFACE OBSERVATION, AND FIELD SURVEY. ACTUAL LOCATIONS AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITIES NOT SHOWN ON THIS PLAN, SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION ACTIVITIES.
- PROTECT ALL OFFSITE FEATURES NOT EXPRESSLY NOTED FOR DEMOLITION OR IMPROVEMENT ON THIS PLAN.
- CONTRACTOR TO PROTECT ALL GRAVEL BAGS AND PERIMETER FENCE DURING AND AT THE COMPLETION OF DEMOLITION OF PILE CAPS, PILES, AND GRADE BEAMS.
- ALL EXISTING UNDERGROUND STORM DRAIN PIPING AND UNDERGROUND DOMESTIC WATER, FIRE WATER, AND MAIN IRRIGATION PIPING ARE TRANSITE PIPING THAT CONTAINS ASBESTOS. CONTRACTOR SHALL REMOVE AND DISPOSE PIPING IN ACCORDANCE WITH HAZARDOUS MATERIAL REGULATIONS.

**DEMOLITION KEYNOTES:**

- PROTECT IN PLACE, SEE DEMOLITION NOTE 2
- EXISTING PILE CAPS TO BE REMOVED IN THEIR ENTIRETY
- DEMOLISH EXISTING GRADE BEAMS IN THEIR ENTIRETY
- PROTECT IN PLACE EXISTING MONUMENT SIGN
- PILES TO BE CUT TO A DEPTH, D, AS INDICATED ON THIS SHEET AND PER THE GEOTECH REPORT AND CALCULATION ON THE ATTACHED DETAIL 1. REFER TO S2.11 OF INCREMENT FOR BOTTOM OF NEW FOOTINGS.
- DEMOLISH EXISTING SEWER IN ITS ENTIRETY WITHIN PROJECT LIMITS.

**DEMOLITION LEGEND:**

- 102 — LIMITS OF WORK
- 102 — ELEVATION CONTOUR
- SS — EXISTING SANITARY SEWER LINE
- (XXX.XX±) EXISTING ELEVATION

**GEOTECHNICAL NOTES:**

- ALL FILL MATERIALS WITHIN THE FOOTPRINT OF THE PROPOSED BUILDING SHOULD BE REMOVED AND THE EXCAVATION THOROUGHLY CLEANED PRIOR TO BACKFILL PLACEMENT AND/OR CONSTRUCTION.
- FOOTINGS AND INTERIOR FLOOR SLABS SHOULD BEAR ON ENGINEERED FILL COMPRISED OF LOW-VOLUME CHANGE MATERIALS EXTENDING TO A MINIMUM DEPTH OF 3 FEET BELOW THE BOTTOM OF FOOTINGS, 5 FEET BELOW EXISTING GRADE, OR TO THE DEPTH OF THE FILL MATERIALS WHICHEVER IS GREATER.
- ALL GRADING FOR EACH STRUCTURE SHOULD INCORPORATE THE LIMITS OF THE PROPOSED STRUCTURE PLUS A LATERAL DISTANCE OF 3 FEET BEYOND THE EDGES.
- NEAR-SURFACE SOILS VARIED BETWEEN SANDY AND CLAYEY SOILS ON-SITE. ONLY THE ON-SITE SANDY MATERIALS ARE CONSIDERED SUITABLE FOR USE AS ENGINEERED FILL WITHIN 3 FEET BELOW THE BOTTOM OF FOUNDATIONS AND FLOOR SLABS.
- ONSITE CLAYEY SOILS ARE SUITABLE FOR BACKFILL EXCAVATION EXCEEDING 3 FEET BELOW BOTTOM OF FOUNDATIONS AND IN NON-STRUCTURAL AREAS.
- EXPOSED AREAS WHICH RECEIVE FILL, ONCE PROPERLY CLEARED, SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF 10 INCHES, MOISTURE CONDITIONED, AND COMPACTED PER THE COMPACTION REQUIREMENTS IN THE GEOTECHNICAL REPORT.
- SUBGRADE MATERIALS BENEATH EXTERIOR SLABS, PAVEMENTS, AND FLATWORK SHOULD BE SCARIFIED, MOISTURE CONDITIONED, AND COMPACTED TO A MINIMUM DEPTH OF 10 INCHES. THE MOISTURE CONTENT AND COMPACTION OF SUBGRADE SOILS SHOULD BE MAINTAINED UNTIL FLATWORK CONSTRUCTION.
- ALL FILL MATERIALS SHOULD BE INORGANIC SOILS FREE OF VEGETATION, DEBRIS, AND FRAGMENTS LARGER THAN THREE INCHES IN SIZE. PEA GRAVEL OR OTHER SIMILAR NON-CEMENTITIOUS, POORLY-GRADED MATERIALS SHOULD NOT BE USED AS FILL OR BACKFILL WITHOUT THE PRIOR APPROVAL OF THE GEOTECHNICAL ENGINEER.
- IMPORTED SOILS FOR USE AS FILL MATERIAL WITHIN PROPOSED BUILDING AND STRUCTURE AREAS SHOULD CONFORM TO LOW VOLUME CHANGE MATERIALS AS INDICATED IN THE GEOTECHNICAL REPORT.
- ON-SITE CLAYEY SOILS MAY PUMP, AND UNSTABLE SUBGRADE CONDITIONS COULD DEVELOP DURING GENERAL CONSTRUCTION OPERATIONS, PARTICULARLY IF THE SOILS ARE WETTED AND/OR SUBJECTED TO REPETITIVE CONSTRUCTION TRAFFIC.
- BACKFILL AGAINST FOOTINGS, EXTERIOR WALLS, AND IN UTILITY AND SPRINKLER LINE TRENCHES SHOULD BE WELL COMPACTED AND FREE OF ALL CONSTRUCTION DEBRIS TO REDUCE THE POSSIBILITY OF MOISTURE INFILTRATION.
- UPON COMPLETION OF FILLING AND GRADING, CARE SHOULD BE TAKEN TO MAINTAIN THE SUBGRADE MOISTURE CONTENT PRIOR TO CONSTRUCTION OF FLOOR SLABS AND FLATWORK. CONSTRUCTION TRAFFIC OVER THE COMPLETED SUBGRADE SHOULD BE AVOIDED TO THE EXTENT PRACTICAL.
- THE SITE SHOULD BE GRADED TO PREVENT PONDING OF SURFACE WATER ON THE PREPARED SUBGRADES OR IN EXCAVATIONS.
- IF THE SUBGRADE SHOULD BECOME DESICCATED, SATURATED, OR DISTURBED, THE AFFECTED MATERIAL SHOULD BE REMOVED, OR THESE MATERIALS SHOULD BE SCARIFIED, MOISTURE CONDITIONED, AND RECOMPACTED PRIOR TO FLOOR SLAB CONSTRUCTION.
- WET SEASON EARTHWORK OPERATIONS MAY REQUIRE ADDITIONAL MITIGATIVE MEASURES INCLUDING DIVERSION OF SURFACE RUNOFF AROUND EXPOSED SOILS AND DRAINING OF PONDED WATER ON THE SITE.
- THE INDIVIDUAL CONTRACTOR(S) IS RESPONSIBLE FOR DESIGNING AND CONSTRUCTING STABLE, TEMPORARY EXCAVATIONS AS REQUIRED TO MAINTAIN STABILITY OF BOTH THE EXCAVATION SIDES AND BOTTOM.
- EXCAVATIONS SHOULD BE SLOPED OR SHORED IN THE INTEREST OF SAFETY FOLLOWING LOCAL, AND FEDERAL REGULATIONS, INCLUDING CURRENT OSHA EXCAVATION AND TRENCH SAFETY STANDARDS.

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IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
FILE: 30-C2  
A# 04 - 116810  
AC FLS SS  
DATE

PROJECT TITLE  
JOHNSON STUDENT CENTER  
INCREMENT 1  
1530 W 17TH ST SANTA ANA CA 92706

**RANCHO SANTIAGO**  
Community College District

#	DATE	SUBMITTALS
	08/13/2018	CSA FINAL SUBMITTAL
Δ	10/01/2018	ADDENDUM 4

PROJECT IDENTIFICATION Project Number  
THESE DRAWINGS ORIGINALLY CREATED IN AUTOCAD REVIT V. 2016 U.S.A.  
THE ORIGINAL SIZE OF THIS SHEET IS 30" X 42"

DRAWN BY MS / AMF

CHECKED BY LP

SHEET TITLE  
**DEMOLITION PLAN**

SHEET NUMBER

**C1.0-D**



**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **39**  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/20/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	A8.10
REQUESTED CLARIFICATION:			
Increment #2 - The first floor finish plan Sheet A8.10 appears to shows Elevators 1 & 2 drawn with sealed concrete (SC) however no flooring type is specifically called out per the finish legend. Please confirm the desired floor finish inside the elevators is Sealed Concrete. If not please provide what type of flooring should be provided in the elevators.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
<b>NO - ELEVATORS 1 &amp; 2 WILL BE RSF-1</b>			
RESPONSE PROVIDED BY:	<b>Julia D. Jones / hpi</b>	DATE:	<b>10.01.18</b>

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*



**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 38  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/19/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	102113 par. 2.3-A-1	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
Increment #2 - Specification Section 102113 par. 2.3-A-1 - Please provide a basis-of-bid color for the Toilet Partition HDPE panels.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
<b>THE COLOR OF THE TOILET PARTITIONS ARE TO BE NICKEL WITH A HAMMERED FINISH FROM SCRANTON HINY HIDERS</b>			
RESPONSE PROVIDED BY:	<b>Julia D. Jones / hpi</b>	DATE:	<b>10.01.18</b>

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **40**  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	Building Demo - Sheet A0.02

**REQUESTED CLARIFICATION:**

Bldg Demolition - Sheet A0.02 - Detail #10 - At the upper-right is a callout for 4 bollards at an existing Fire Hydrant. Please confirm that these bollards are not required since they are part of the Building Demolition drawings & are not shown on the more current Increment 2 drawings. If required, provide a callout on the Increment 2 drawings along with a detail reference.

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

**TEMPORARY PROTECTION WILL BE REQUIRED FOR THIS EXISTING FIRE HYDRANT DURING DEMOLITION. THIS TEMPORARY PROTECTION WILL BE REQUIRED TO BE REMOVED PRIOR TO NEW SITE WORK.**

**HPI SUGGESTS PROVIDING THESE 4 TEMPORARY SURFACE MOUNT BOLLARDS TO PROTECT THE EXISTING FIRE HYDRANT**

RESPONSE PROVIDED BY:	Julia D. Jones / hpi	DATE:	10.01.18
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*



**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 41  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	Sheet C2.1
REQUESTED CLARIFICATION:			
Increment #2 - Sheet C2.1 - Demo Keynotes 17 - Please confirm that the bidders are to include removal of the Emergency Call Box even though this note indicates "by others".			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
<b>THE CONTRACTOR IS TO REMOVE THE EMERGENCY CALL BOX AND DELIVER TO THE DISTRICT.</b>			
RESPONSE PROVIDED BY:	<b>Joe Melendez, PM RSCCD</b>	DATE:	<b>10/01/18</b>

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 42  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/20/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	M2.11, M2.14 & S7.20
REQUESTED CLARIFICATION:			
Increment #2 - Key note 3/M2.11 and 1/M2.14 state "Provide pipe anchor, see 2/S7.20". Detail 2/S7.20 does not provide a pipe anchor detail. Please provide a detail for the pipe anchors and also correct the keynotes.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
<b>THE NOTE REFERS TO THE CORRECT STRUCTURAL DETAIL. ALL PIPE SHALL BE ANCHORED AS INDICATED IN 2/S7.20</b>			
RESPONSE PROVIDED BY:	Chris Weixelman / P2s	DATE:	

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*



**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **43**  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	312333 par. 3.6-A	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
Increment #2 - Specification Section 312333 par. 3.6- <del>A</del> <sup>B</sup> refers to Section 017400, however this specification section was not provided in the bid documents. Please either delete this reference or provide this missing specification section.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
<b>REVISED REFER TO SPECIFICATION SECTION 017419</b>			
RESPONSE PROVIDED BY:	<b>Stuart Szach / BkF</b>	DATE:	<b>10/01/18</b>

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 44  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	320523 par. 2.11-A	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
Increment 2 - Specification Section 320523 par. 2.11-A refers to Section 321300 Rigid Paving, however this section was not provided. Please remove this reference or provide the missing specification section.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
Section 321300 replaced with section 321313			
RESPONSE PROVIDED BY:	Stuart Szuch, BKF Engineers	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*



SECTION 320523 - CONCRETE FOR EXTERIOR IMPROVEMENTS

1. PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Materials for portland cement concrete.
- B. Aggregate and aggregate grading for portland cement concrete.
- C. Water for portland cement concrete.
- D. Admixtures for portland cement concrete.
- E. Proportioning for portland cement concrete.
- F. Mixing and transporting portland cement concrete.
- G. Formwork for cast in place portland cement concrete.
- H. Embedded materials for portland cement concrete.
- I. Steel reinforcement for portland cement concrete.
- J. Placing and finishing portland cement concrete.
- K. Curing portland cement concrete.
- L. Protecting portland cement concrete.

1.02 RELATED SECTIONS

- A. Section 01 81 13, Sustainable Design Requirements
- B. Section 31 23 00, Excavation and Fill.
- C. Section 32 12 00, Asphalt Concrete Pavement.

1.03 RELATED DOCUMENTS

- A. ASTM Standards
  - 1. A 82, Cold Drawn Steel Wire for Concrete Reinforcement.
  - 2. A 185, Steel Welded Wire Fabric, Plain for Concrete Reinforcement.
  - 3. A 615, Deformed and Plain Billet Steel Bars, for Concrete Reinforcement.
  - 4. C 94, Specification for Ready-mixed Concrete.
  - 5. C 114, Method for Chemical Analysis of Hydraulic Cement.
  - 6. C 150. Portland Cement.
  - 7. C 618, Fly Ash and Raw or Calcined Natural Pozzolan for use as Natural Admixture in Portland Cement.

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8. C 1751, Preformed Expansion Joint Fillers for Concrete. Paving and Structural Construction (Non-extruded and Resilient Bituminous Types).

B. Caltrans Standard Specifications:

1. Section 51: Concrete Structures.
2. Section 73: Concrete Curbs and Sidewalks.
3. Section 90: Portland Cement Concrete.

C. California Building Code:

1. Chapter 11B – Accessibility To Public Buildings.
2. Chapter 19A – Concrete.
3. Chapter 33 – Site Work, Demolition and Construction.
4. Section 1133B – General Accessibility for Entrances, Exits and Paths of Travel.

1.04 DEFINITIONS

- A. ASTM: American Society for Testing and Materials.

1.05 SUBMITTALS

- A. Follow submittal procedures outlined in Section 01 33 00 – Submittal Procedures.

B. LEED Submittals:

1. Product Data for Credit MR 4: For products having recycled content, documentation indicating percentages by weight of postconsumer and pre-consumer recycled content. Include statement indicating cost for each product having recycled content, and LEED Product Submittal Cover Sheet from 018113.
2. Product Data for Credit MR 5: For products having regional content, documentation indicating location and distance from project of material manufacturer and post of extraction with cost, and LEED Product Submittal Cover Sheet from 018113.

- C. Design Mixes: Have all concrete mixes designed by a testing laboratory and approved by the Consulting Engineer. Conform all mixes to the applicable building code requirement, regardless of other minimum requirements listed herein or on the drawings. Submit mix designs for review before use. Show proportions and specific gravities of cement, fine and coarse aggregate, and water and gradation of combined aggregates.

D. Reinforcing Steel Shop-Drawings

1.06 QUALITY ASSURANCE

- A. Concrete shall be subject to quality assurance in accordance with Section 90 of the Standard Specifications.

1. Slump tests: Have available, at job site, equipment required to perform slump tests. Make one slump test for each cylinder sample, from same concrete batch. Allowable maximum slump shall be 4 inches for walls and 3 inches for slabs on grade and other work.

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B. Certifications:

1. Provide Owner's Representative at the time of delivery with certificates of compliance signed by both Contractor and Supplier containing the following statements:
2. Materials contained comply with the requirements of the Contract Documents in all respects.
3. Proportions and mixing comply with the design mix approved by the Consulting Engineer. Design mix shall have been field tested in accordance with the herein requirements of the Caltrans Standard Specifications and produces the required compressive strength under like conditions.
4. Statement of type and amount of any admixtures.
5. Provide Owner's Representative, at time of delivery, with certified delivery ticket stating volume of concrete delivered and time of mixing, or time of load-out in case of transit mixers.

C. Conform to the applicable provisions of Section 51, 73 and 90 of the Caltrans Standard Specification and these Technical Specifications.

1. Conform construction of portland cement concrete surface improvements (including curbs, gutters, medians, valley gutters, walks) to the requirements of Section 73 of the Caltrans Standard Specifications unless otherwise required in these Technical Specifications or shown on the Plans.
2. Construct "V" ditches in accordance with Section 72-4 of the Standard Specifications; except that finishing shall be in accordance with Standard Specification Section 73 instead of 53, or as otherwise required in these Technical Specifications or shown on the Plans.
3. Conform other construction of portland cement concrete items to the requirements of Section 51 of the Caltrans Standard Specifications unless otherwise required in these Technical Specifications or shown on the Plans.

D. Conform to the requirements of the California Building Code section 1929A.2 for testing of reinforcing bars.

1.07 DESIGNATION

- A. General: Whenever the 28-day compressive strength is designated herein or on the plans is greater than 3,600 psi, the concrete shall considered to be designated by compressive strength. The 28-day compressive strength shown herein or on the plans which are 3,600 psi or less are shown for design information only and are not considered a requirement for acceptance of the concrete. Whenever the concrete is designated by class or as minor concrete herein or on the plans, the concrete shall contain the cement per cubic meter shown in section 90-1.01 of the Caltrans Standard Specifications.
- B. Unless specified otherwise herein or on the Plans, Portland Cement Concrete for this Project shall be Class "2" as specified in Section 90-1.01 of the Caltrans Standard Specifications.

2. PART 2 - PRODUCTS

2.01 PORTLAND CEMENT

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- A. General: Type V or type II (modified) cement conforming to the requirements of ASTM C 150, with the following modifications:
1. Cement shall not contain more than 0.60% by weight of alkalis, calculated as the percentage of Na<sub>2</sub>O plus 0.658 times the percentage of K<sub>2</sub>O when determined by either 4 intensity flame photometry or by the atomic absorption method. The instrument and procedure used shall be qualified as to precision and accuracy in accordance with the requirements of ASTM C 114.
  2. The autoclave expansion shall not exceed 0.50%.
  3. Mortar containing the Portland Cement to be used and the sand, when tested in accordance with Test Method No. Calif. 527, shall not expand in water more than 0.010% and shall have an air content less than .048%.
  4. Allowable tri-calcium Aluminate (C<sub>3</sub>A) by weight shall not exceed 5%. Allowable tetracalcium aluminoferrite plus twice the tricalcium aluminate (C<sub>4</sub>AF+2C<sub>3</sub>A) by weight shall not exceed 25%. The sulfate expansion test (ASTM C 452) may be used in lieu of the above chemical requirements, provided the sulfate expansion does not exceed 0.040% at 14 days (max.).
  5. Contractor may substitute pozzolan for Portland Cement in amounts up to 15% of the required mix unless high early strength concrete is specified. Pozzolan shall consist of Class F Fly Ash meeting the requirements of ASTM C 618.
- B. Cement for Surface Improvements: Provide a coloring equivalent to ¼ pound of lampblack per cubic yard. Add to the concrete at the central mixing plant.
- C. Liquiblack, as supplied by Concrete Corporation of Redwood City, California, may be used in lieu of lampblack. One pint of liquiblack shall be considered equal to one pound of lampblack.

## 2.02 AGGREGATE AND AGGREGATE GRADING

- A. General: Conform to the requirements of Section 90-2.02, 2.02A and 2.02B of the Caltrans Standard Specifications.
- B. Aggregate Size and Gradation: Conform to the requirements of section 90-3 of the Caltrans Standard Specifications for 25-mm (1-inch) maximum combined aggregate.

## 2.03 WATER

- A. General: Conform to the requirements of section 90-2.03 of the Caltrans Standard Specifications, for mixing and curing portland cement concrete and for washing aggregates.

## 2.04 CLASSIFICATION OF PORTLAND CEMENT CONCRETE

- A. Concrete for the following items shall be designated by the following classes per Section 90-1.01 of the Caltrans Standard Specifications:
1. Vehicular Pavement: Class 2.
  2. Curbs, Gutters, and Sidewalks: Minor Concrete.
  3. Cast in place Concrete Pipe: The concrete shall consist of a minimum of 564 pounds of Portland cement per cubic yard of concrete.



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4. Thrust Blocks: The concrete shall have a minimum compressive strength of 3,000 psi.
5. Sign and Fence Footings: The concrete shall consist of a minimum of 376 pounds of Portland cement per cubic yard of concrete.
6. Water, Storm, and Sanitary Structures: The concrete shall consist of a minimum of 564 pounds of Portland cement per cubic yard of concrete.

2.05 EXPANSION JOINT MATERIAL

- A. Material for expansion joints in portland cement concrete improvements shall be premolded expansion joint fillers conforming to the requirements of ASTM Designation D 1751. Expansion joint material shall be shaped to fit the cross section of the concrete prior to being placed. Suppliers certificates showing conformance with this specification shall be delivered with each shipment of materials delivered to the job site. Unless noted otherwise herein or on the Plans expansion joint thickness shall be as follows:
  1. Curbs, Curb Ramps, Island Paving, Sidewalks, Driveways and Gutter Depressions:  $\frac{1}{4}$ -inch.
  2. Concrete Slope Protection, Gutter Lining, Ditch Lining and Channel Lining:  $\frac{1}{2}$ -inch.
  3. Structures: As indicated.

2.06 REINFORCEMENT AND DOWELS

- A. Bar reinforcement for concrete improvements shall be deformed steel bars of the size or sizes called for on the plans conforming to the requirements of ASTM Designation A 615 for Grade 60 bars. Size and shape for bar reinforcement shall conform to the details shown or called for on the Plans. Substitution of wire mesh reinforcement for reinforcing bars will not be allowed.
- B. Slip dowels, where noted or called for on the plans or detail drawings shall be smooth billet-steel bars as designated and conforming to the requirements of ASTM Designation A 615 for Grade 60 bars. Ends of bars inserted in new work shall be covered with a cardboard tube sealed with cork; no grease or oil shall be used.
- C. Mesh for reinforcement for concrete improvements shall be cold drawn steel wire mesh of the size and spacing called for on the plans conforming to the requirements of ASTM Designation A 82 for the material and ASTM Designation A 185 for the mesh. Size and extent of mesh reinforcement shall conform to the details shown or called for on the plans.
- D. Tie wire for reinforcement shall be eighteen (18) gauge or heavier, black, annealed conforming to the requirements of ASTM Designation A 82.
- E. Suppliers certificates showing conformance with this specification shall be delivered with each shipment of materials delivered to the job site.

2.07 COLOR AND PATTERN FOR DECORATIVE SURFACES

- A. Colors for decorative surfacing shall be CHROMIX admixtures as manufactured by the L. M. Scofield Company, Schedule A-312.05 or approved equal. The specific color shall be as designated or called for on the Plans.
- B. Patterns for decorative surfacing shall be standard "Bomanite" patterns as copyrighted by the Bomanite Corporation of Palo Alto, California or equal. The specific pattern shall be as designated or called for on the Plans.

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2.08 ACCESSORY MATERIALS

- A. Conform water stops and other items required to be embedded in of Portland Cement Concrete structures to the applicable requirements of Section 51 of the Caltrans Standard Specifications unless otherwise specifically noted or called for on the Plans or detail drawings.
- B. Curing Compounds:
  - 1. Regular Portland Cement Concrete: "Non-Pigmented Curing Compound - chlorinated Rubber Base-Clear" conforming to the requirements contained in Section 90-7.01B, of the Caltrans Standard Specifications.
  - 2. Color Conditioned Decorative Portland Cement Concrete: LITHOCHROME colorwax as manufactured by the L. M. Scofield Company or approved equal.

2.09 FORMS

- A. Conform to the requirements of Section 51-1.05 of the Caltrans Standard Specifications.

2.10 PRECAST CONCRETE STRUCTURES

- A. Conform to the following Sections of Caltrans Standard Specifications:
  - 1. 51-1.02, Minor Structures.
  - 2. 70-1.02C, Flared End Sections.
  - 3. 70-1.02H, Precast Concrete Structures.

2.11 PORTLAND CEMENT CONCRETE VEHICULAR PAVEMENT

- A. General: See Section 32 13 13 – Concrete Paving.

3. PART 3 - EXECUTION

3.01 STRUCTURAL EXCAVATION

- A. Structural excavation may be either by hand, or by machine and shall be neat to the line and dimension shown or called for on the plans. Excavation shall be sufficient width to provide adequate space for working therein, and comply with CAL-OSHA requirements.
- B. Where an excavation has been constructed below the design grade, refill the excavation to the bottom of the excavation grade with approved material and compact in place to 95% of the maximum dry density.
- C. Remove surplus excavation material remaining upon completion of the work from the job site, or condition it to optimum moisture content and compact it as fill or backfill on the site.

3.02 BRACING AND SHORING

- A. Conform to California and Federal OSHA requirements.
- B. Place and maintain such bracing and shoring as may be required to support the sides of the excavations for the proper protection of workmen; to facilitate the work; to prevent damage to the

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facility being constructed; and to prevent damage to adjacent structures or facilities. Remove all bracing and shoring upon completion of the work.

- C. Be solely responsible for all bracing and shoring and, if requested by the Owner's Representative, submit details and calculations to the Owner's Representative. The Owner's Representative may forward the submittal to the Consulting Engineer and/or the California Division of Industrial Safety for their review. The Contractor's submittal shall include the basic design, assumed soils conditions and estimation of forces to be resisted, together with plans and specifications of the materials and methods to be used, and shall be prepared by a civil engineer or structural engineer registered in California. No excavations related to the proposed facility shall precede a response to the submittal by the Owner's Representative.
- D. Be solely responsible for installing and extracting the sheathing in a manner which will not disturb the position or operation of the facility being constructed or adjacent utilities and facilities.

### 3.03 PLACING CONCRETE FORMS

- A. Form concrete improvements with a smooth and true upper edge. Side of the form with a smooth finish shall be placed next to concrete. Construct forms rigid enough to withstand the pressure of the fresh concrete to be placed without any distortion.
- B. Thoroughly clean all forms prior to placement and coat forms with an approved form oil in sufficient quantity to prevent adherence of concrete prior to placing concrete.
- C. Carefully set forms to the alignment and grade established and conform to the required dimensions. Rigidly hold forms in place by stakes set at satisfactory intervals. Provide sufficient clamps, spreaders and braces to insure the rigidity of the forms.
- D. Provide forms for back and face of curbs, lip of gutters and edge of walks, valley gutters or other surface slabs that are equal to the full depth of the concrete as shown, noted or called for on the Plans. On curves and curb returns provide composite forms made from benders or thin planks of sufficient ply to ensure rigidity of the form.

### 3.04 PLACING STEEL REINFORCEMENT

- A. Bars shall be free of mortar, oil, dirt, excessive mill scale and scabby rust and other coatings of any character that would destroy or reduce the bond. All bending shall be done cold, to the shapes shown on the plans. The length of lapped splices shall be as follows:
  - 1. Reinforcing bars No. 8, or smaller, shall be lapped at least 45 bar diameters of the smaller bar joined, and reinforced bars Nos. 9, 10, and 11 shall be lapped at least 60 bar diameters of the smaller bars joined, except when otherwise shown on the plans.
  - 2. Splice locations shall be made as indicated on the plans.
- B. Accurately place reinforcement as shown on the plans and hold firmly and securely in position by wiring at intersections and splices, and by providing precast mortar blocks or ferrous metal chairs, spacers, metal hangers, supporting wires, and other approved devices of sufficient strength to resist crushing under applied loads. Provide supports and ties of such strength and density to permit walking on reinforcing without undue displacement.
- C. Place reinforcing to provide the following minimum concrete cover:
  - 1. Surfaces exposed to water: 4-inches.

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2. Surfaces poured against earth: 3-inches.
  3. Formed surfaces exposed to earth or weather: 2-inches.
  4. Slabs, walls, not exposed to weather or earth: 1-inch.
- D. Minimum spacing, center of parallel bars shall be two and one half (2-1/2) times the diameter of the larger sized bar. Accurately tie reinforcing securely in place prior to pouring concrete. Placing of dowels or other reinforcing in the wet concrete is not permitted.

3.05 MIXING AND TRANSPORTING PORTLAND CEMENT CONCRETE

- A. Transit mix concrete in accordance with the requirements of ASTM Designation C 94. Transit mix for not less than ten (10) minutes total, not less than three (3) minutes of which shall be on the site just prior to pouring. Mix continuous with no interruptions from the time the truck is filled until the time it is emptied. Place concrete within one hour of the time water is first added unless authorized otherwise by the Owner's Representative.
- B. Do not hand mix concrete for use in concrete structures.

3.06 PLACING PORTLAND CEMENT CONCRETE

- A. Thoroughly wet subgrade when concrete is placed directly on soil. Remove all standing water prior to placing concrete.
- B. Do not place concrete until the subgrade and the forms have been approved.
- C. Convey concrete from mixer to final location as rapidly as possible by methods that prevent separation of the ingredients. Deposit concrete as nearly as possible in final position to avoid re-handling.
- D. Place and solidify concrete in forms without segregation by means of mechanical vibration or by other means as approved by the Owner's Representative. Continue vibration until the material is sufficiently consolidated and absent of all voids without causing segregation of material. The use of vibrators for extensive shifting of fresh concrete will not be permitted.
- E. Concrete in certain locations may be pumped into place upon prior approval by the Owner's Representative. When this procedure requires redesign of the mix, such redesign shall be submitted for approval in the same manner as herein specified for approval of design mixes.

3.07 PLACING ACCESSORY MATERIALS

- A. Place water stops and other items required to be embedded in of portland cement concrete structures at locations shown or required in accordance with Section 51 of the Caltrans Standard Specifications unless otherwise specifically noted or called for on the Plans.
- B. Curing Compounds:
1. Regular Portland Cement Concrete: Apply "Non-Pigmented Curing Compound - chlorinated Rubber Base-Clear" in accordance with Section 90-7.01B, 7.01D and 7.03 of the Caltrans Standard Specifications.
  2. Color Conditioned Decorative Portland Cement Concrete: Apply LITHOCHROME colorwax in accordance with the manufactures instructions.



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3.08 EXPANSION JOINTS

- A. Construct expansion joints incorporating premolded joint fillers at twenty (20) foot intervals in all concrete curbs, gutters, sidewalks, median/island paving, valley gutters, driveway approaches and at the ends of all returns. At each expansion joint install one-half inch by twelve inch (1/2" x 12") smooth slip dowels in the positions shown or noted on the detail drawings.
- B. Orient slip dowels at right angles to the expansion joint and hold firmly in place during the construction process by means of appropriate chairs.

3.09 WEAKENED PLANE JOINTS

- A. Construct weakened plane joints in concrete curbs, gutters, sidewalks, median/island paving and valley gutters between expansion joints at ten (10) foot intervals throughout, or as otherwise indicated. Depth of joint score depth to be one-fourth (25%) the thickness of the concrete.
  - 1. Grooved Joints: Form weakened plane joints after initial floating by grooving and finishing each edge of joint to a radius of 1/8-inch. Repeat grooving of weakened plane joints after applying surface finishes. Eliminate groover tool marks on concrete surfaces.

3.10 FINISHING CONCRETE

- A. Finish curb and gutter in conformance with the applicable requirements of Section 73-1.04 and 73-1.05A of the Caltrans Standard Specifications as modified herein.
- B. Where monolithic curb, gutter and sidewalk is specified, separate concrete pours will not be allowed.
- C. Provide a medium broom finish to all horizontal surfaces unless otherwise shown.

3.11 FORM REMOVAL

- A. Remove forms without damage to the concrete. Remove all shores and braces below the ground surface, before backfilling.
- B. Do not backfill against concrete until the concrete has developed sufficient strength to prevent damage.
- C. Leave forms for cast-in-place walls in place at least 72 hours after pouring.
- D. Leave edge forms in place at least 24 hours after pouring.

3.12 CONSTRUCTION

- A. Form, place and finish concrete walkways, island paving, valley gutters and driveway approaches in conformance with the applicable requirements of Section 73-1.04 and 73-1.06 of the Caltrans Standard Specifications as modified herein.
- B. Construct new concrete curb, curb and gutter and valley gutters against existing asphalt concrete by removing a minimum of 12-inches of the asphalt concrete to allow placement of curb or gutter forms. Patch pavement with a 6-inch deep lift of asphalt concrete after gutter form is removed.

3.13 CONNECTING TO EXISTING CONCRETE IMPROVEMENTS

- A. New curb, gutter, or sidewalk is to connect to existing improvements to remain by saw cutting to

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JOHNSON STUDENT CENTER (INCREMENT 2)

existing sound concrete at the nearest score line, expansion joint or control joint. Drill and insert ½-inch diameter by 12-inch long dowels at 24-inches on center into existing improvements. Install pre-molded expansion joint filler at the matching joint.

- B. A cold joint to the existing curb is not acceptable.

3.14 DECORATIVE SURFACING CONSTRUCTION

- A. Decorative surfacing concrete walks, concrete median islands or other installations shall be formed and placed as a concrete slab conforming to the details shown or noted on the Plans.

3.15 FIELD QUALITY CONTROL

- A. Finish subgrade for concrete improvements shall be subject to approval prior to placement of forms.
- B. No concrete shall be placed prior to approval of forms.
- C. Concrete improvements constructed shall not contain "bird baths" or pond water and shall be smooth and ridge free.
- D. Conform the finish grade at top of curb, flow line of gutter, and the finish cross section of concrete improvements to the design grades and cross sections.
- E. Variation of concrete improvements from design grade and cross section as shown or called for on the plans shall not exceed the tolerances established in Sections 73-1.05 and/or 73-1.06 of the Caltrans Standard Specifications.

3.16 RESTORATION OF EXISTING IMPROVEMENTS

- A. Replace in kind all pavement or other improvements removed or damaged due to the installation of concrete improvements.
- B. Remove, landscaping or plantings damaged or disturbed due to the installation of concrete improvements. Replace in kind.

END OF SECTION 320523

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 45  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	321200 par. 3.06	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
Increment 2 - Specification Section 321200 par. 3.06 refers to Pavement Reinforcing Fabric. Please confirm this section does not apply to this project, as none is shown nor called out on the drawings.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
Confirmed, does not apply. Removed from specifications section 321200			
RESPONSE PROVIDED BY:	Stuart Szuch, BKF Engineers	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 46  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	334600 par. 1.01-A	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
Increment #2 - Specification section 334600 par. 1.01-A calls for subdrains are at "walls or foundations", however none were located on the drawings. If required, provide the location for the subdrains and connections to the main Storm Drainage system.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
Not required. Will be removed from specification			
RESPONSE PROVIDED BY:	Stuart Szuch, BKF Engineers	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*



**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 47  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	C2.0

**REQUESTED CLARIFICATION:**

Increment #2 - Drawings C2.0 - The Limit-of-Work in the lower left corner by the area near the existing Decorative Pavers & the Utility Vault does not match the same area as shown on the Bldg Demolition Set, there appears to be some additional demolition & clearing and relocation of the temporary fencing at that lower-left area of the site. Note that the Increment 1 set appears to match the Increment 2 set at this area. Please confirm which demo drawing is to be followed.

Please also note this conflicts with the Sketches provided in Addendum #1 (Bid Alternates A & B). Please update the sketches accordingly if needed.

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

**Bldg Demolition Set to be revised and to match Inc 1 & 2. Refer to Addendum 3, revised Building Demolition Package sheet C1.00.**

RESPONSE PROVIDED BY:	Stuart Szuch, BKF Engineers	DATE:	10/01/18
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

RFC 48 - NOT USED

LEFT BLANK ON PURPOSE

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 49  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	321200	DRAWING NUMBER:	C3.0 & C3.1
<b>REQUESTED CLARIFICATION:</b>			
Increment #2 - Sheets C3.0 & C3.1 - Pavement Note 5 - Please confirm that the bidders are to include two sets of striping (one temporary & one final). Also, confirm that 2-coats of seal are to be including noting that Section 321200 AC Paving does not specify any Seal Coat product, so if required to be included provide a basis-of-bid for the seal coat system.			
<b>RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:</b>			
Confirmed, bidders to include two sets of striping (temporary and final). Confirmed, 2-coats of seal are to be included. Caltrans Specifications Section 37-2 added to specs, please see 2.01-G			
RESPONSE PROVIDED BY:	Stuart Szuch, BKF Engineers	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

SECTION 321200 - ASPHALT CONCRETE PAVEMENT

1. PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Prime coat.
- B. Tack coat.
- C. Asphalt concrete paving.
- D. Asphalt concrete overlay.
- E. Speed bumps.
- F. Asphalt curbs.
- G. Pavement grinding.
- H. Adjusting manholes, valves, monument covers and other structures to grade.

1.02 RELATED DOCUMENTS

- A. Geotechnical Report: "Geotechnical Engineering Report" Prepared by Terracon Consultants, Inc., dated October 7, 2016.
- B. ASTM:
  - 1. D 979: Practice for Sampling Bituminous Paving Mixtures.
  - 2. D 1073: Specification for Fine Aggregate for Bituminous Paving Mixtures.
  - 3. D 1188: Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens.
  - 4. D 2041: Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures.
  - 5. D 2726: Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures.
  - 6. D 2950: Test Method for Density of Bituminous Concrete in Place by Nuclear Method.
  - 7. D 3549: Test Method for Thickness or Height of Compacted Bituminous Paving Mixture Specimens.
  - 8. D 3666: Specifications for Minimum Requirements for Agencies Testing and Inspecting Bituminous Paving Mixtures.
- C. Caltrans Standard Specifications.
  - 1. Section 37: Bituminous Seals.
  - 2. Section 39: Asphalt Concrete.
  - 3. Section 88: Engineering Fabrics.
  - 4. Section 92: Asphalts.
  - 5. Section 93: Liquid Asphalts.
  - 6. Section 94: Asphaltic Emulsions.

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1.03 DEFINITIONS

- A. ASTM: American Society for Testing Materials.

1.04 QUALITY ASSURANCE

- A. Testing Agency: Owner's Representative will engage a qualified independent testing agency to perform field inspections and tests and to prepare test reports.
  - 1. Testing agency will conduct and interpret tests and state in each report whether tested work complies with or deviates from specified requirements.
- B. Additional testing, at Contractor's expense, will be performed to determine compliance of corrected Work with specified requirements.
- C. Thickness of Asphalt Concrete: In-place compacted thickness of asphalt courses will be determined according to ASTM D 3549.
- D. Surface Smoothness: Finished surface of each asphalt course will be tested for compliance with smoothness tolerances.
- E. In-Place Density: Samples of uncompacted paving mixtures and compacted pavement will be secured by testing agency according to ASTM D 979.
  - 1. Reference maximum theoretical density will be determined by averaging results from 4 samples of hot-mix asphalt-paving mixture delivered daily to site, prepared according to ASTM D 2041, and compacted according to job-mix specifications.
  - 2. In-place density of compacted pavement may be determined by testing core samples according to ASTM D 1188 or ASTM D 2726.
  - 3. One core sample may be taken for every 1000 sq. yd. or less of installed pavement, but in no case will fewer than 3 cores be taken.
  - 4. Field density of in-place compacted pavement may also be determined by nuclear method according to ASTM D 2950 and correlated with ASTM D 1188 or ASTM D 2726.

1.05 SUBMITTALS

- A. Follow submittal procedure outlined by the Architect.
- B. LEED Submittals:
  - 1. Product Data for Credit MR 4: For products having recycled content, documentation indicating percentages by weight of postconsumer and pre-consumer recycled content. Include statement indicating cost for each product having recycled content, and LEED Product Submittal Cover Sheet from 018113.
  - 2. Product Data for Credit MR 5: For products having regional content, documentation indicating location and distance from project of material manufacturer and post of extraction with cost, and LEED Product Submittal Cover Sheet from 018113.
- C. Job-Mix Designs: Certificates signed by manufacturers certifying that each asphalt concrete mix complies with requirements.

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- D. Material Certificates: Certificates signed by manufacturers certifying that each material complies with requirements.

1.06 PROJECT CONDITIONS

- A. Environmental Limitations:
  - 1. Prime Coat: Minimum surface temperature of 60 deg F at application.
  - 2. Tack Coat: Minimum surface temperature of 60 deg F at application.
  - 3. Asphalt Base Course: Minimum surface temperature of 40 deg F and rising at application.
  - 4. Asphalt Surface Course: Minimum surface temperature of 60 deg F at application.
  - 5. Reinforcing Fabric: Air temperature is 50 deg F and rising and pavement temperature is 40 deg F and rising.

2. PART 2 - PRODUCTS

2.01 ASPHALT CONCRETE

- A. Caltrans Standard Specifications Section 39, Type B.
- B. Asphalt Materials:
  - 1. Asphalt: Caltrans Standard Specification Section 92, steam refined paving asphalt, PG64-16.
  - 2. Prime Coat: Caltrans Standard Specification Section 92, SC-70.
  - 3. Tack Coat: Caltrans Standard Specification Section 93, SS1.
- C. Aggregates: Conform to Caltrans Standard Specification Section 39-2.02.
- D. Storing, Proportioning and Mixing Materials: Caltrans Standard Specification Section 39-3.
- E. Pavement Reinforcing Fabric: Caltrans Standard Specification Section 88.
- F. Sand: ASTM D 1073, Grade No. 2 or 3.
- G. Seal Coats: Caltrans Standard Specification Section 37-2

3. PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify that subgrade is dry and in suitable condition to support paving and imposed loads.
- B. Proof-roll subbase using heavy, pneumatic-tired rollers to locate areas that are unstable or that require further compaction.
- C. Notify Owner's Representative in writing of any unsatisfactory conditions. Do not begin paving until these conditions have been satisfactorily corrected.

3.02 PAVEMENT GRINDING



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- A. Clean existing paving surface of loose or deleterious material immediately before pavement grinding.
- B. Grind conforms as indicated.

3.03 SOIL STERILANT

- A. Not used.

3.04 SURFACE PREPARATION FOR AGGREGATE BASE MATERIALS

- A. General: Immediately before placing asphalt materials remove loose and deleterious material from substrate surfaces and ensure that prepared subgrade is ready to receive paving according to the Caltrans Standard Specification Section 39-4.01.
- B. Prime Coat: Apply uniformly over surface of compacted-aggregate base according to the Caltrans Standard Specification Section 39-4.02. Apply enough material to penetrate and seal, but not flood, surface. Allow prime coat to cure for 24 hours minimum.
  - 1. If prime coat is not entirely absorbed within 8 hours after application, spread excess prime coat with hand tools and broadcast sand over surface to blot excess asphalt. Use just enough sand to prevent pickup under traffic. Remove loose sand by sweeping before pavement is placed and after volatiles have evaporated.
  - 2. Protect primed substrate from damage until ready to receive paving.
- C. Tack Coat: Apply uniformly to all vertical surfaces against which asphalt concrete is to be placed, including existing surfaces of previously constructed asphalt or Portland cement concrete paving and to surfaces abutting or projecting into new asphalt pavement, according to the Caltrans Standard Specification Section 39-4.02.
  - 1. Allow tack coat to cure undisturbed before paving.
  - 2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.

3.05 SURFACE PREPARATION FOR PAVEMENT AT ASPHALT CONCRETE OVERLAYS

- A. Pavement Irregularities: Level with asphalt concrete, Type B, No. 4 maximum.
- B. Pavement Cracks:
  - 1. Less than 1/4-inch wide: Clean of all dirt by compressed air jet, spray and seal with RS-1 asphaltic emulsion.
  - 2. Wider than 1/4-inch: Clean of all dirt by compressed air jet, spray and seal with RS-1 asphaltic emulsion and skin patch.
- C. Clean surface of all material, such as leaves, dirt, sand, gravel, water and vegetation prior to applying binder of paving asphalt to existing surface.

3.06 PAVEMENT REINFORCING FABRIC

- A. Not used.

3.07 ASPHALT CONCRETE SPREADING AND COMPACTING EQUIPMENT

- A. Spreading Equipment: Caltrans Standard Specification Section 39-5.01.
- B. Compaction Equipment: Caltrans Standard Specification Section 39-5.02.

3.08 ASPHALT CONCRETE PLACEMENT

- A. Place, spread and compact asphalt concrete to required grade, cross section, and thickness according to the Caltrans Standard Specification Sections 39-6.01, 39-6.02 and 39-6.03.
- B. Promptly correct surface irregularities in paving course behind paver. Use suitable hand tools to remove excess material forming high spots. Fill depressions with hot asphalt to prevent segregation of mix; use suitable hand tools to smooth surface.

3.09 JOINTS

- A. Construct joints to ensure continuous bond between adjoining paving sections according to the Caltrans Standard Specification Sections 39-6.01 and 39-6.02.
  - 1. Construct joints free of depressions with same texture and smoothness as other sections of asphalt course.
  - 2. Clean contact surfaces and apply tack coat.
  - 3. Offset longitudinal joints in successive courses a minimum of 6 inches.
  - 4. Offset transverse joints in successive courses a minimum of 24 inches.
  - 5. Compact joints as soon as asphalt concrete will bear roller weight without excessive displacement.

3.10 COMPACTION

- A. General: Begin compaction as soon as placed hot-mix paving will bear roller weight without excessive displacement. Compact according to the Caltrans Standard Specification Sections 39-6.01 and 39-6.03.
- B. Compaction Requirements: Average Density to be 95 percent of reference maximum theoretical density according to ASTM D 2041, but not less than 90 percent nor greater than 96 percent.
- C. Finish Rolling: Finish roll paved surfaces to remove roller marks while asphalt is still warm.
- D. Edge Shaping: While surface is being compacted and finished, trim edges of pavement to proper alignment. Bevel edges while still hot, with back of rake or smooth iron. Compact thoroughly using tamper or other satisfactory method.
- E. Repairs: Remove paved areas that are defective or contaminated with foreign materials and replace with fresh asphalt. Compact by rolling to specified density and surface smoothness.

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- F. Protection: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

3.11 ASPHALT CURBS

- A. Construction: Place over compacted surfaces according to Caltrans Standard Specification Section 39-7.01 as specified for dikes. Apply a light tack coat prior to construction, unless pavement surface is still tacky and free of dust.
- B. Shape: Place asphalt concrete to curb cross section indicated.

3.12 SPEED BUMPS

- A. Construct speed bumps over compacted pavement surfaces according to Caltrans Standard Specification Section 39-6. Apply a light tack coat prior to construction, unless pavement surface is still tacky and free of dust.
- B. Place asphalt concrete by hand using a template/screed designed to result in speed bump cross-section indicated after compaction.
- C. Compact speed bumps with 8 ton static roller.

3.13 ADJUSTING MANHOLES, VALVES, MONUMENT COVERS AND OTHER STRUCTURES TO GRADE

- A. Remove pavement, using vertical cuts, as needed to remove frame and provide for concrete collar. Do not damage adjacent pavement.
  - 1. Circular Covers: Cut circle with radius 6 inches larger than cover and concentric with cover.
  - 2. Rectangular Covers: Cut rectangle 6 inches larger than cover on all sides.
- B. Install grade rings or blocking as needed to raise cover to finish grade.
- C. Pour concrete collar:
  - 1. Bottom of Collar: Top of existing collar or 6 inches below top of proposed collar, whichever is at a higher elevation.
  - 2. Top of Collar: Bottom of existing asphalt pavement.
  - 3. Apply tack coat to all exposed surfaces.
  - 4. Fill excavation with asphalt concrete and, while still hot, compact flush with adjacent surface.

3.14 INSTALLATION TOLERANCES

- A. Asphalt Pavement:
  - 1. Course thickness and surface smoothness within the tolerances Caltrans in the Caltrans Standard Specification Sections 39-6.01, 39-6.02 and 39-6.03.
  - 2. Total Thickness: Not less than indicated.

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- B. Trench Patch:
  - 1. Compacted surface: Within 0.01 foot of adjacent pavement.
  - 2. Do not create ponding.
  
- C. Adjust Covers:
  - 1. Compacted surface: Up to 0.01 foot higher, and no lower, than adjacent pavement.
  - 2. Do not create ponding.

END OF SECTION 321200

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

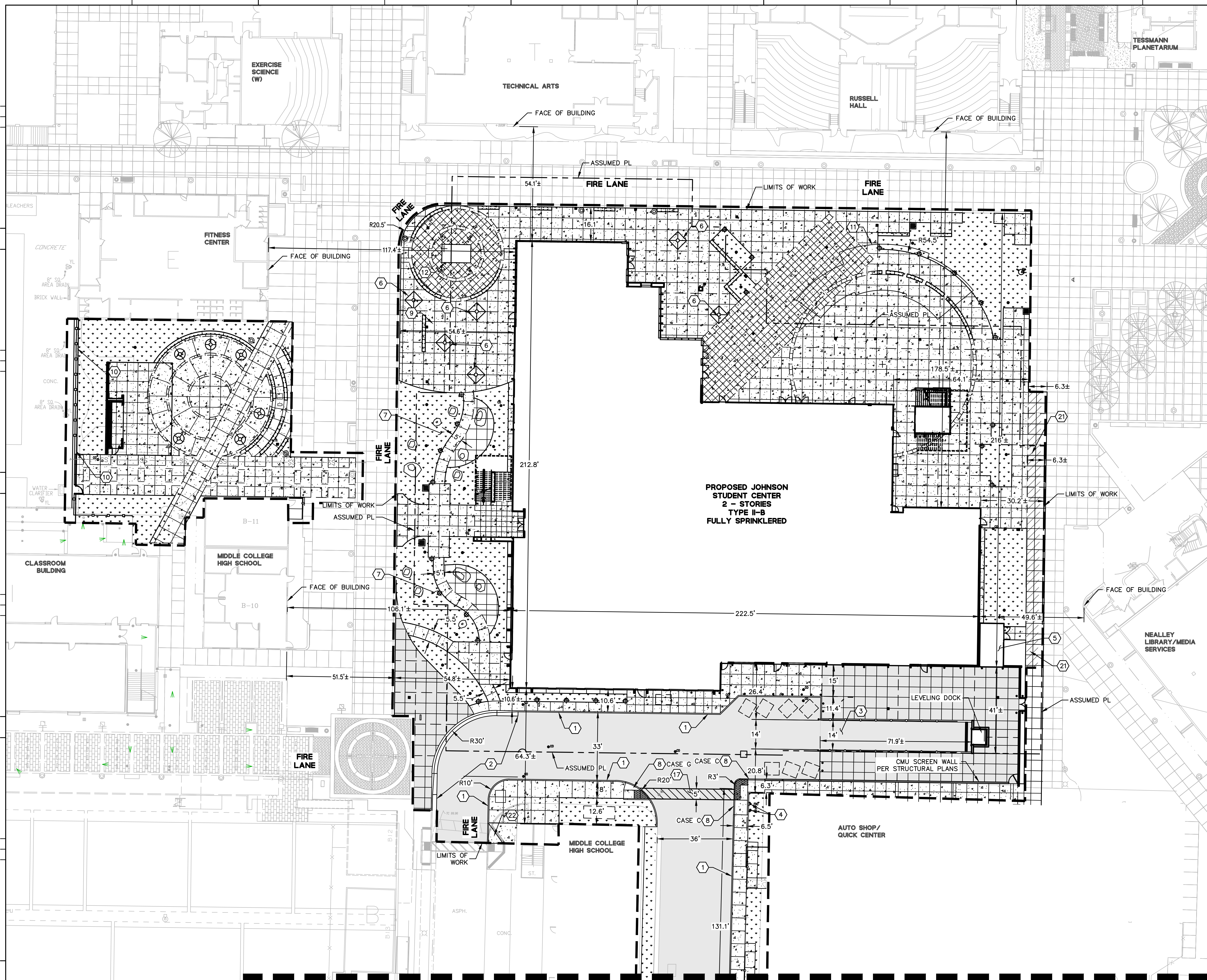
**PBC #** 50  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	C3.0 & C3.1
REQUESTED CLARIFICATION:			
Increment #2 - Sheets C3.0 & C3.1 - Horizontal Control Keynote 18 Rolled Curb was not located on these sheets. If required, provide the callout & locations for this keynote, or list this note as "not used" on this sheet.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
Keynote 18 revised to "Not used"			
RESPONSE PROVIDED BY:	Stuart Szuch, BKF Engineers	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*





**PROPOSED JOHNSON STUDENT CENTER  
2 - STORIES  
TYPE II-B  
FULLY SPRINKLERED**

**HORIZONTAL CONTROL KEYNOTES:**

- ① CONSTRUCT 6" CURB PER DETAIL 7, SEE SHEET C7.0
- ② CONSTRUCT MOUNTABLE CURB PER DETAIL 8, SEE SHEET C7.0
- ③ PROPOSED LOADING RAMP PER SEPARATE PLAN
- ④ PROPOSED FIRE DEPARTMENT CONNECTION (FDC) AND POST INDICATOR VALVE (PIV)
- ⑤ PROPOSED BOILER ROOM PER ARCHITECTURAL PLANS
- ⑥ PROPOSED TREE WELLS PER LANDSCAPE PLANS
- ⑦ ZEN GARDEN WITH LARGE BOULDER OUTCROPS PER LANDSCAPE PLANS
- ⑧ CONSTRUCT CURB RAMP PER CALTRANS STANDARD PLAN AB8A, MODIFIED PER DETAIL 5 ON SHEET C3.1, CASE PER PLAN.
- ⑨ PROPOSED 18" HIGH CONCRETE SEAT WALL PER LANDSCAPE PLANS
- ⑩ PROPOSED FENCING AND GATE PER LANDSCAPE PLANS
- ⑪ PROPOSED SHADE CANOPY STRUCTURE PER LANDSCAPE PLANS
- ⑫ EXISTING MONUMENT SIGN TO REMAIN
- ⑬ ADA PARKING STALLS STRIPING AND MARKING PER DETAIL 9, SEE SHEET C7.0
- ⑭ INSTALL ADA SIGNAGE PER ARCHITECTURAL PLANS
- ⑮ ACCESS AISLE STRIPING PER DETAIL 10, SEE SHEET C7.0
- ⑯ CONSTRUCT VALLEY GUTTER PER DETAIL 11, SEE SHEET C7.0
- ⑰ INSTALL CROSSWALK STRIPING PER DETAIL 12, SEE SHEET C7.0
- ⑱ NOT USED
- ⑲ INSTALL STOP, STOP BAR, AND STOP SIGN PER SPPWC STD PLAN 172-0
- ⑳ INSTALL PAVEMENT ARROW PER SPPWC STD. PLAN 171-0, TYPE PER PLAN
- ㉑ REPLACE CONCRETE SIDEWALK, AS NEEDED TO THE NEAREST JOINT. CONTRACTOR TO MATCH EXISTING GRADES.
- ㉒ RECONSTRUCT RAMP FLARE PER DETAIL 4, SEE SHEET C3.0

**HORIZONTAL CONTROL NOTES:**

- 1. CONTRACTOR SHALL LAYOUT THE CONTROL FOR THE SITE AS SPECIFIED ON THIS SHEET. CONTRACTOR SHALL LAYOUT HARDSCAPE PER LANDSCAPE PLANS
- 2. ALL DIMENSIONS ON THE PLANS ARE IN FEET OR DECIMALS THEREOF UNLESS SPECIFICALLY CALLED OUT AS FEET AND INCHES.
- 3. ALL DIMENSION SHOWN ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- 4. LIMIT OF WORK INDICATES EDGE OF EXISTING PAVING CONSTRUCTED UNDER CENTRAL PLANT PROJECT. CONTRACTOR TO FIELD VERIFY EDGE OF PAVEMENT. CONTRACTOR SHALL REMOVE EXISTING PAVING TO NEAREST EXPANSION JOINT FOR TRANSITION.

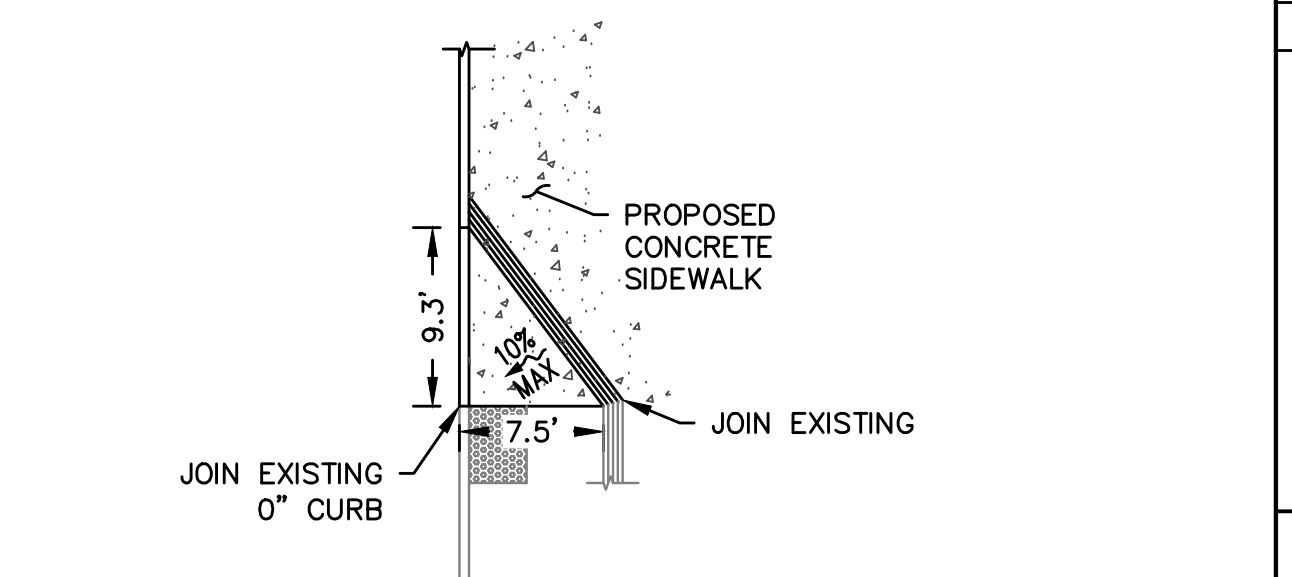
**PAVEMENT LEGEND:**

CONTRACTOR MUST REVIEW GEOTECHNICAL REPORT FOR EXACT RECOMMENDATION FOR GRADING OPERATIONS AND OVER-EXCAVATION ON-SITE AND PROVIDE SUBMITTAL PRIOR TO STARTING ANY GRADING OPERATIONS.

- PROPOSED 5" CONCRETE SIDEWALK, SEE DETAIL 1 HEREON. SEE LANDSCAPE PLANS FOR COLOR AND FINISH
- PROPOSED LANDSCAPING. SEE LANDSCAPE PLANS
- PROPOSED NATURAL GRAY EXPOSED AGGREGATE CONCRETE PAVING. SEE LANDSCAPE PLANS
- CONSTRUCT 4" AC OVER 15" CLASS II AB OVER 10" OF SCARIFIED, MOISTURE CONDITIONED, AND COMPACTED MATERIALS PAVEMENT SECTION. SEE DETAIL 3 HEREON
- CONSTRUCT 6.5" PLAIN JOINTED PCC OVER 4" CLASS II AB OVER 10" OF SCARIFIED, MOISTURE CONDITIONED, AND COMPACTED MATERIALS PAVEMENT SECTION. SEE DETAIL 2 HEREON
- CONSTRUCT TRUNCATED DOMES PER LANDSCAPE ARCHITECT'S PLANS
- REPLACE CONCRETE SIDEWALK SECTION THAT WAS REMOVED DURING BUILDING DEMOLITION, WITH DETAIL 1 HEREON. SEE LANDSCAPE PLANS FOR COLOR AND FINISH

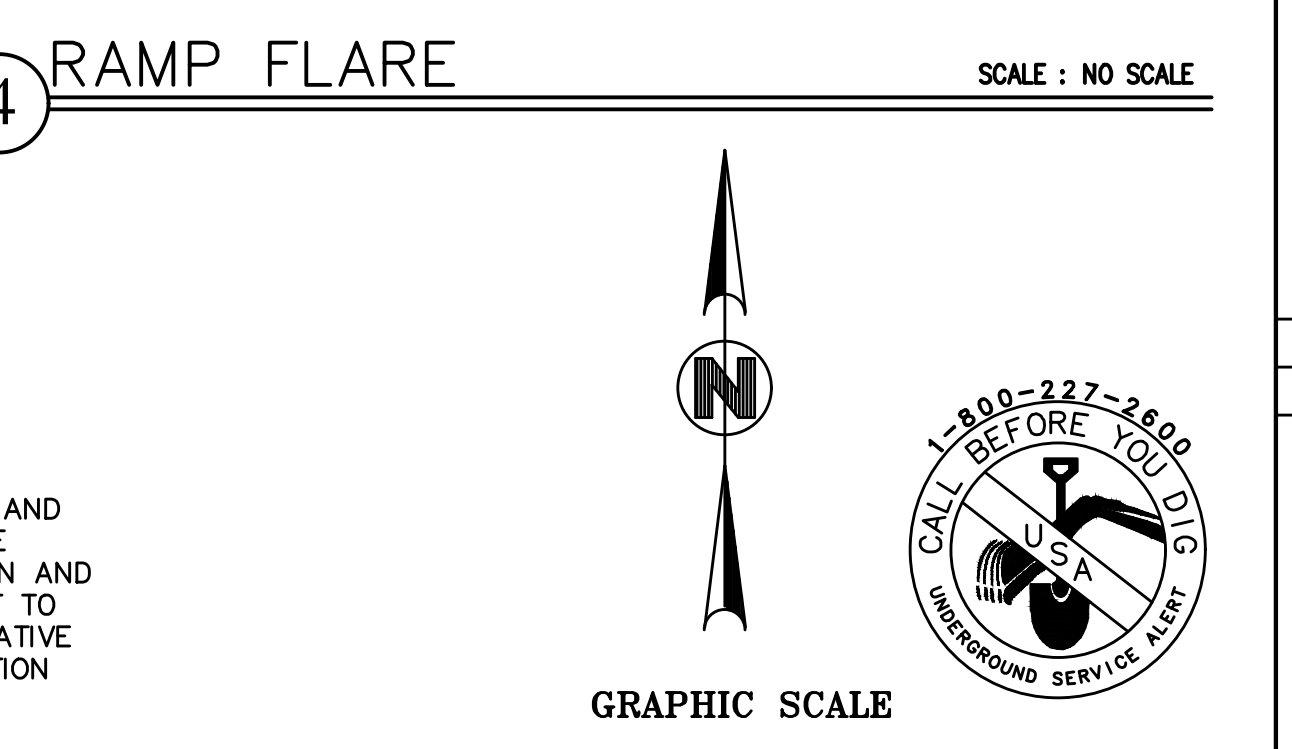
**PAVEMENT NOTES:**

- 1. PAVEMENT SECTION TO BE APPROVED BY GEOTECHNICAL ENGINEER.
- 2. COLOR AND FINISH OF CONCRETE TO BE SPECIFIED BY LANDSCAPE ARCHITECT.
- 3. SEE LANDSCAPE PLANS FOR ALL WALKWAY FINISHES AND MATERIALS.
- 4. PER GEOTECHNICAL REPORT, CONTRACTOR TO USE 4200 PSI CONCRETE FOR ALL HARDSCAPE.
- 5. CONTRACTOR TO APPLY TEMPORARY STRIPING AFTER NEW ASPHALT. 30 DAYS LATER, APPLY 2 COATS OF SEAL WITH FINAL STRIPING.

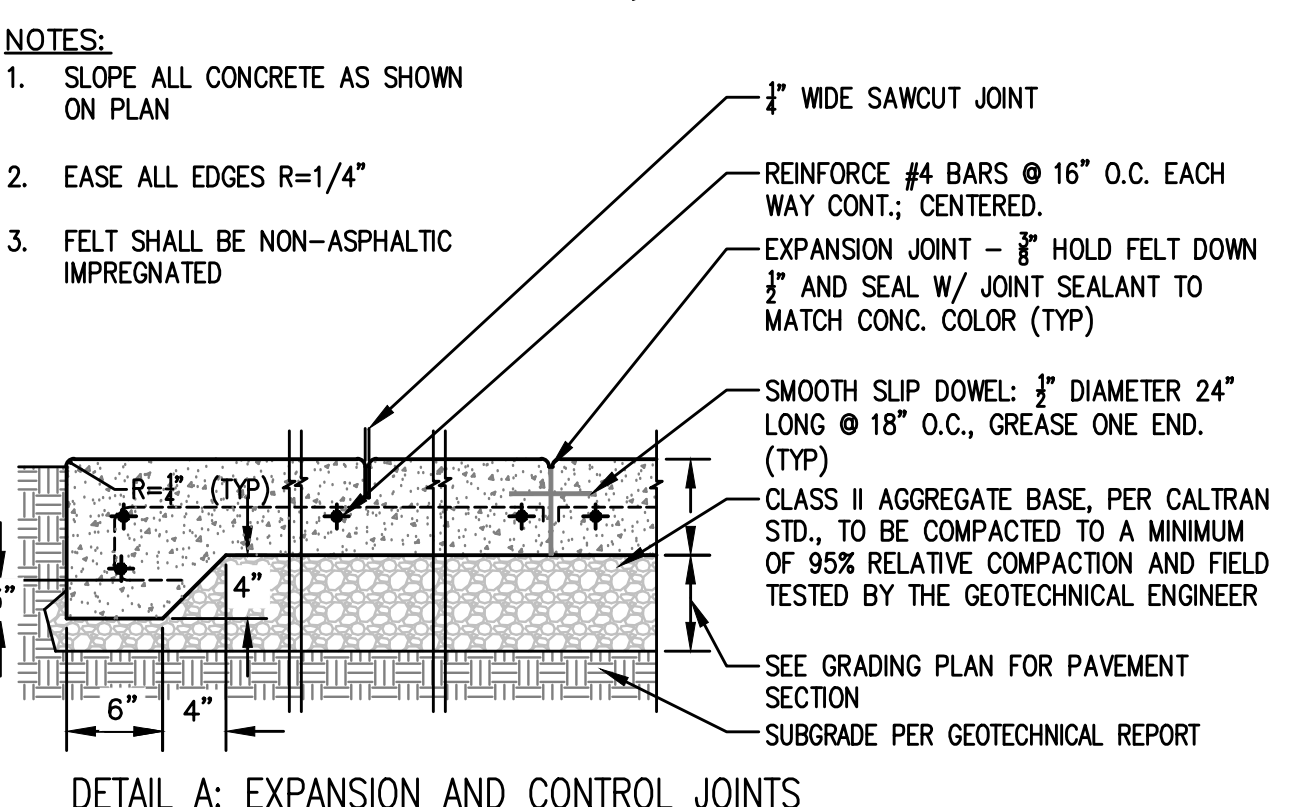


**NOTES:**

- 1. CURB RAMP FLARE TO COMPLY WITH 2016 CBC SECTION 11B-406.2.2.

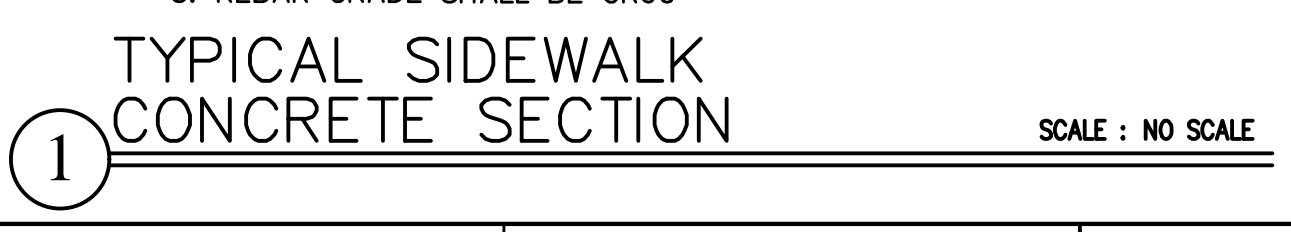


**MATCHLINE, SEE SHEET C3.1**

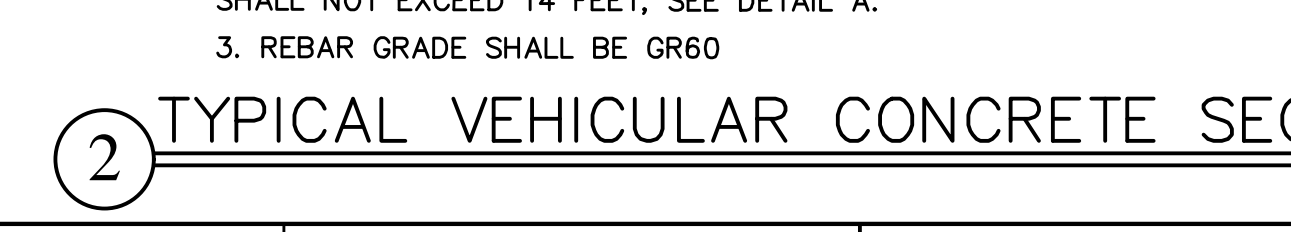


**NOTES:**

- 1. SLOPE ALL CONCRETE AS SHOWN ON PLAN
- 2. EASE ALL EDGES R=1/4"
- 3. FELT SHALL BE NON-ASPHALTIC IMPREGNATED
- 4. 2" WIDE SAWCUT JOINT
- 5. REINFORCE #4 BARS @ 16" O.C. EACH WAY CONT. CENTERED.
- 6. EXPANSION JOINT - 3" HOLD FELT DOWN 3" AND SEAL W/ JOINT SEALANT TO MATCH CONC. COLOR (TYP)
- 7. SMOOTH SLIP DOWEL: 1/2" DIAMETER 24" LONG @ 18" O.C., GREASE ONE END. (TYP)
- 8. CLASS II AGGREGATE BASE, PER CALTRANS STD., TO BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION AND FIELD TESTED BY THE GEOTECHNICAL ENGINEER
- 9. SEE GRADING PLAN FOR PAVEMENT SUBGRADE PER GEOTECHNICAL REPORT



① TYPICAL SIDEWALK CONCRETE SECTION SCALE: NO SCALE



② TYPICAL VEHICULAR CONCRETE SECTION SCALE: NO SCALE

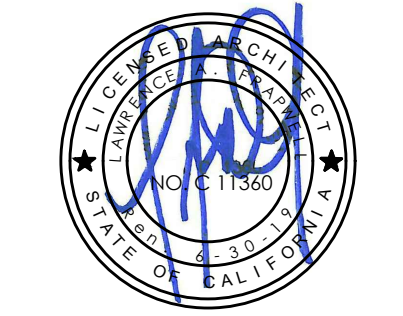


③ TYPICAL AC SECTION SCALE: NO SCALE

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SEALS / APPROVALS



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
FILE: 30-C2  
A# 04-116810

DATE

PROJECT TITLE  
**JOHNSON STUDENT CENTER**  
INCREMENT 2  
1530 W 17TH ST SANTA ANA CA 92706



SUBMITTALS	
#	DATE DESCRIPTION
	08/13/2018 DSA FINAL SUBMITTAL
▲	10/01/2018 ADDENDUM 4

PROJECT IDENTIFICATION Project Number  
THESE DRAWINGS ORIGINALLY CREATED IN AUTODESK REVIT V. 2016 U.S.A.  
THE ORIGINAL SIZE OF THIS SHEET IS 30" X 42"

DRAWN BY MS / AMF

CHECKED BY LP

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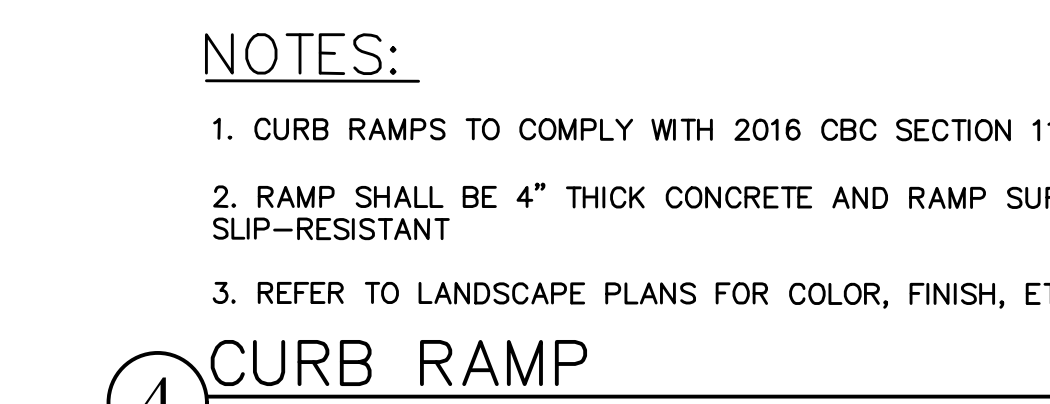
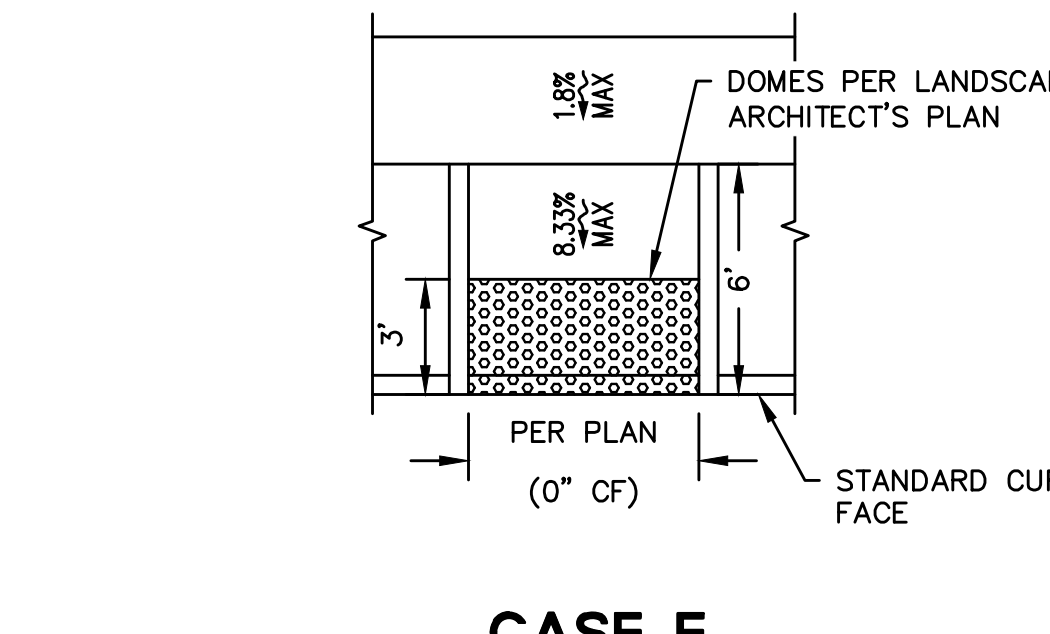
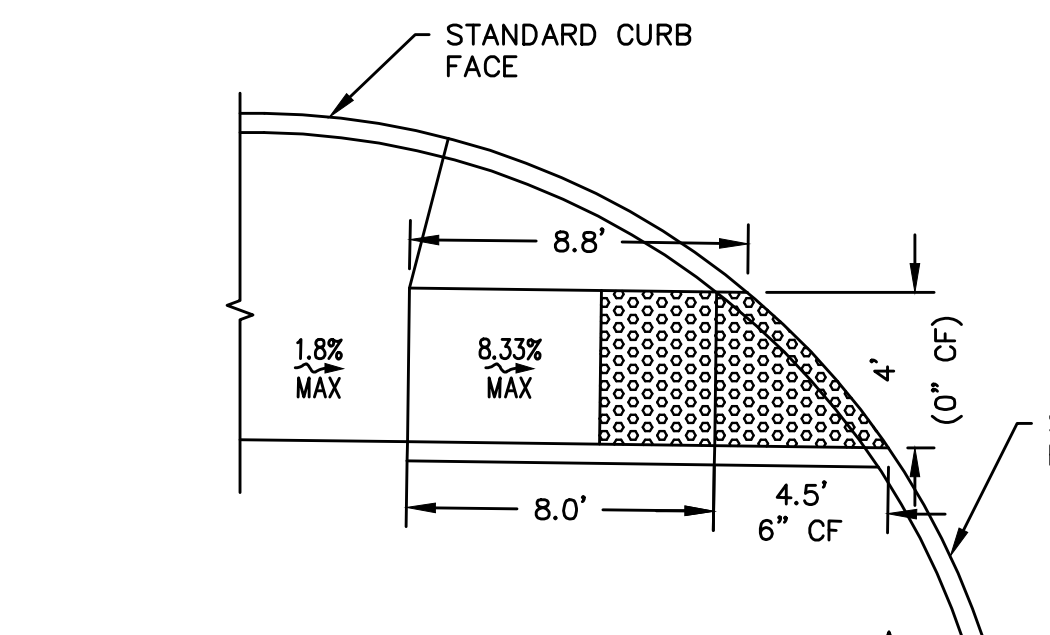
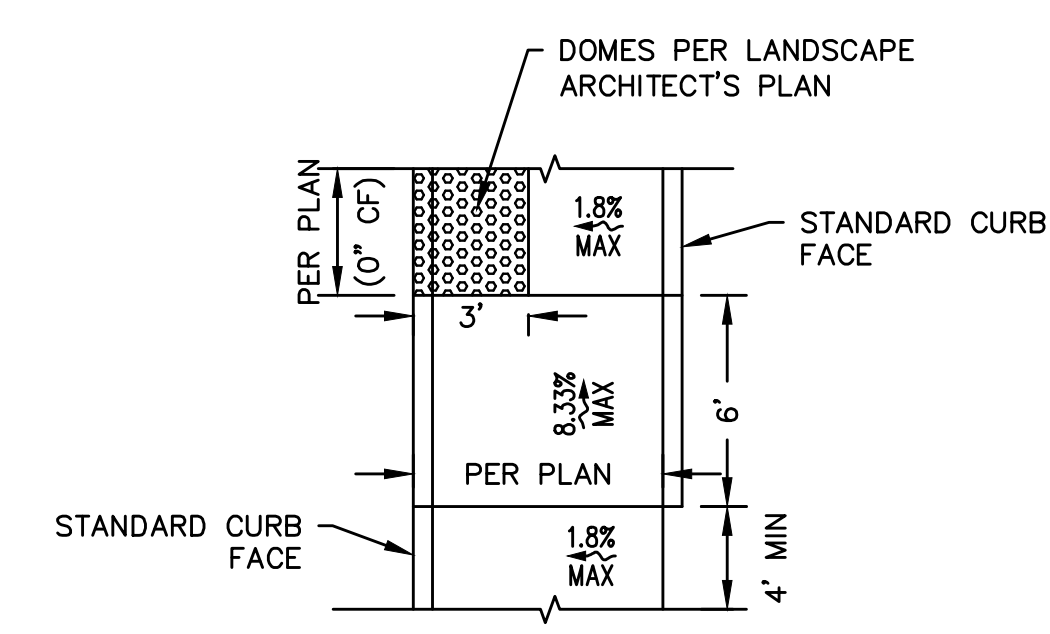
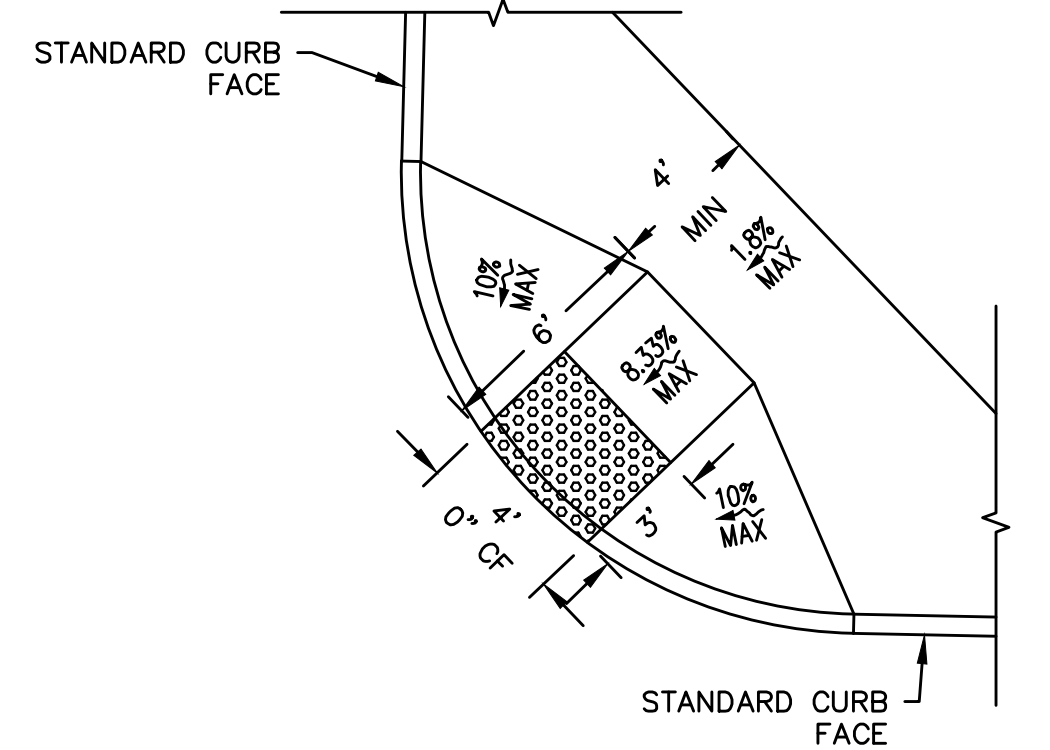
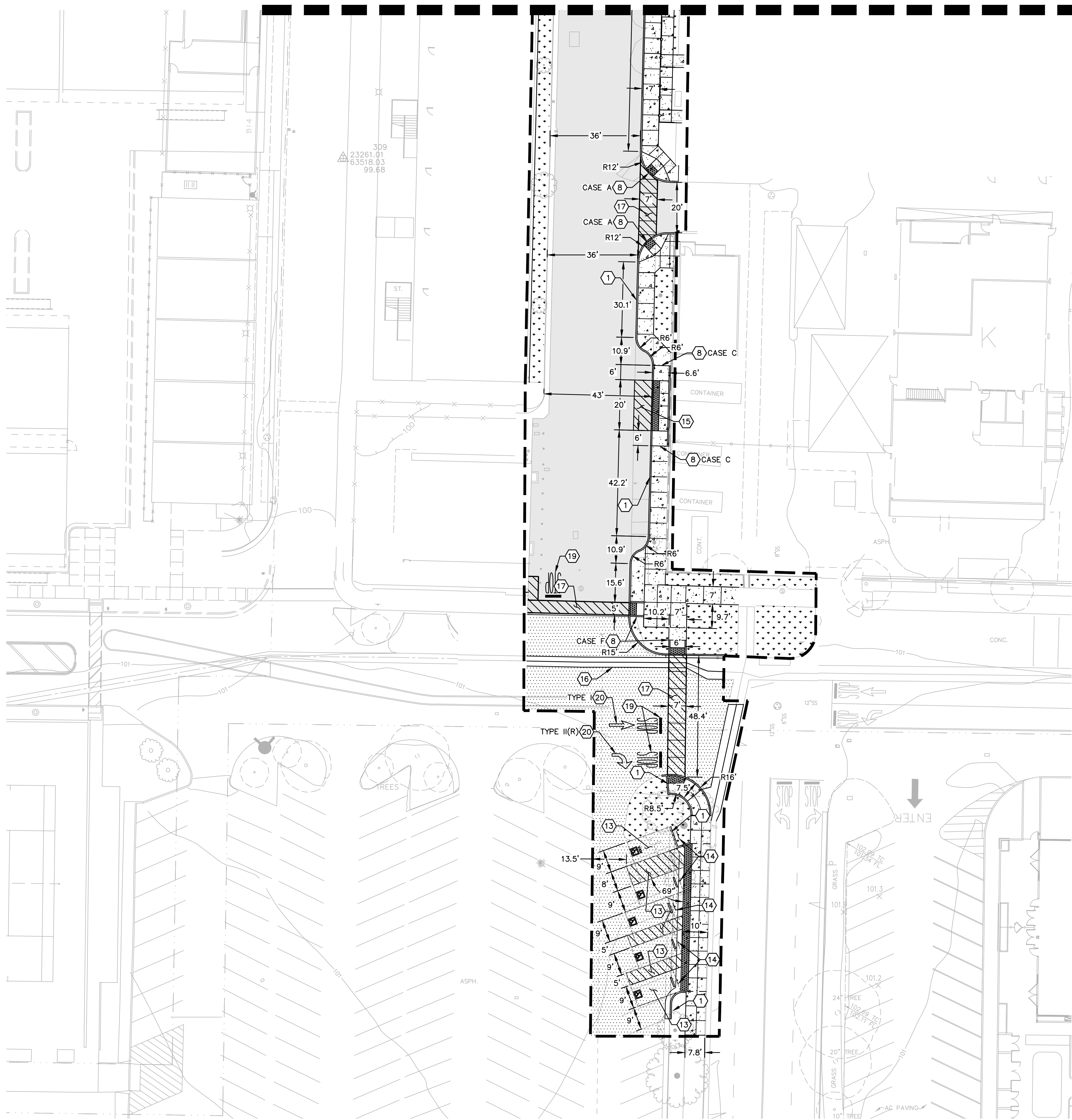
SHEET TITLE

**HORIZONTAL CONTROL AND PAVING PLAN**

SHEET NUMBER

C3.0





- HORIZONTAL CONTROL KEYNOTES:**
- CONSTRUCT 6" CURB PER DETAIL 7, SEE SHEET C7.0
  - CONSTRUCT MOUNTABLE CURB PER DETAIL 8, SEE SHEET C7.0
  - PROPOSED LOADING RAMP PER SEPARATE PLAN
  - PROPOSED FIRE DEPARTMENT CONNECTION (FDC) AND POST INDICATOR VALVE (PIV)
  - PROPOSED BOILER ROOM PER ARCHITECTURAL PLANS
  - PROPOSED TREE WELLS PER LANDSCAPE PLANS
  - ZEN GARDEN WITH LARGE BOULDER OUTCROPS PER LANDSCAPE PLANS
  - CONSTRUCT CURB RAMP PER CALTRANS STANDARD PLAN AB8A, MODIFIED PER DETAIL 5 ON SHEET C3.1, CASE PER PLAN.
  - PROPOSED 18" HIGH CONCRETE SEAT WALL PER LANDSCAPE PLANS
  - PROPOSED FENCING AND GATE PER LANDSCAPE PLANS
  - PROPOSED SHADE CANOPY STRUCTURE PER LANDSCAPE PLANS
  - EXISTING MONUMENT SIGN TO REMAIN
  - ADA PARKING STALLS STRIPING AND MARKING PER DETAIL 9, SEE SHEET C7.0
  - INSTALL ADA SIGNAGE PER ARCHITECTURAL PLANS
  - ACCESS AISLE STRIPING PER DETAIL 10, SEE SHEET C7.0
  - CONSTRUCT VALLEY GUTTER PER DETAIL 11, SEE SHEET C7.0
  - INSTALL CROSSWALK STRIPING PER DETAIL 12, SEE SHEET C7.0
  - NOT USED
  - INSTALL STOP, STOP BAR, AND STOP SIGN PER SPPWC STD PLAN 172-0
  - INSTALL PAVEMENT ARROW PER SPPWC STD. PLAN 171-0, TYPE PER PLAN
  - REPLACE CONCRETE SIDEWALK, AS NEEDED TO THE NEAREST JOINT. CONTRACTOR TO MATCH EXISTING GRADES.
  - RECONSTRUCT RAMP FLARE PER DETAIL 4, SEE SHEET C3.0

- HORIZONTAL CONTROL NOTES:**
- CONTRACTOR SHALL LAYOUT THE CONTROL FOR THE SITE AS SPECIFIED ON THIS SHEET. CONTRACTOR SHALL LAYOUT HARDSCAPE PER LANDSCAPE PLANS
  - ALL DIMENSIONS ON THE PLANS ARE IN FEET OR DECIMALS THEREOF UNLESS SPECIFICALLY CALLED OUT AS FEET AND INCHES.
  - ALL DIMENSION SHOWN ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
  - LIMIT OF WORK INDICATES EDGE OF EXISTING PAVING CONSTRUCTED UNDER CENTRAL PLANT PROJECT. CONTRACTOR TO FIELD VERIFY EDGE OF PAVEMENT. CONTRACTOR SHALL REMOVE EXISTING PAVING TO NEAREST EXPANSION JOINT FOR TRANSITION.

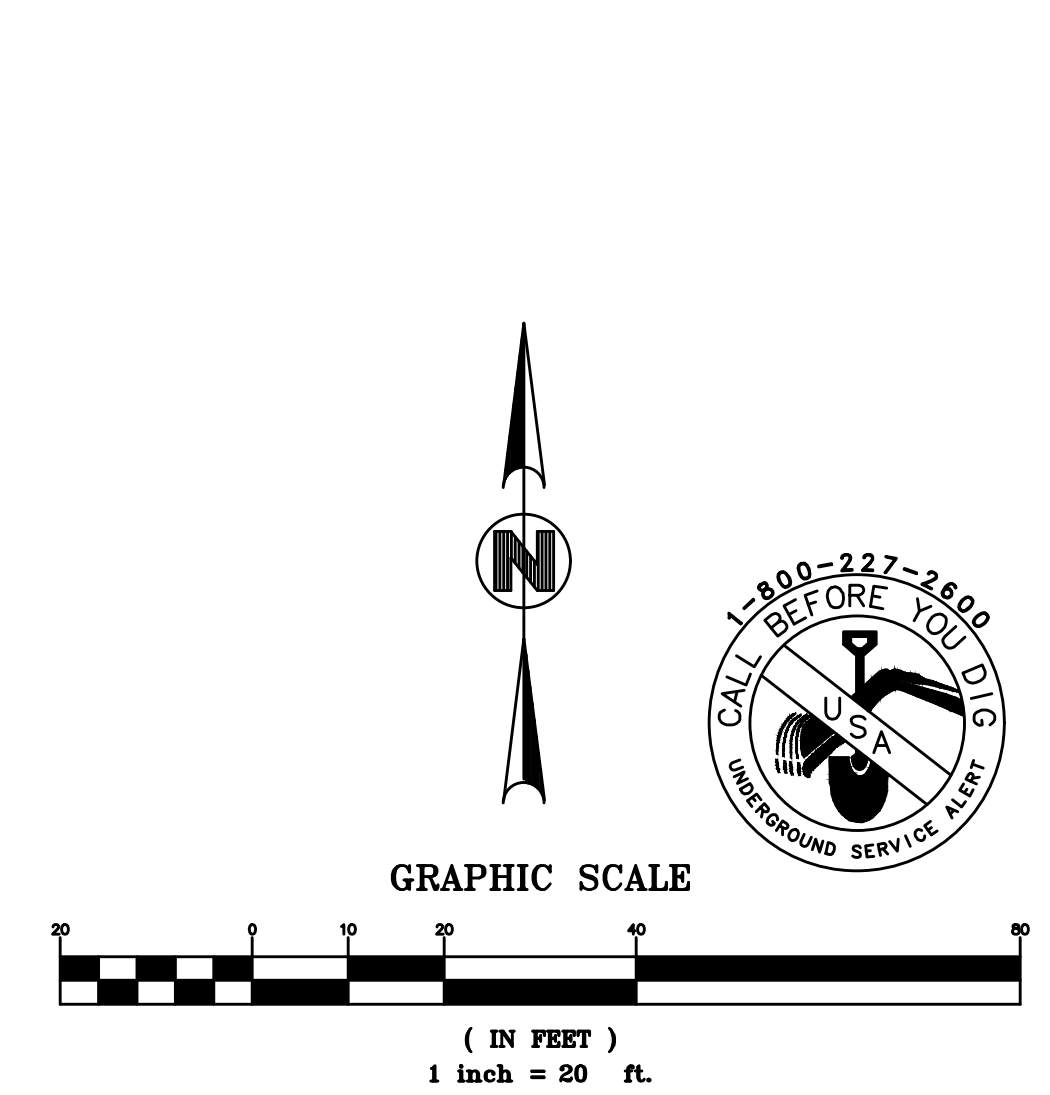
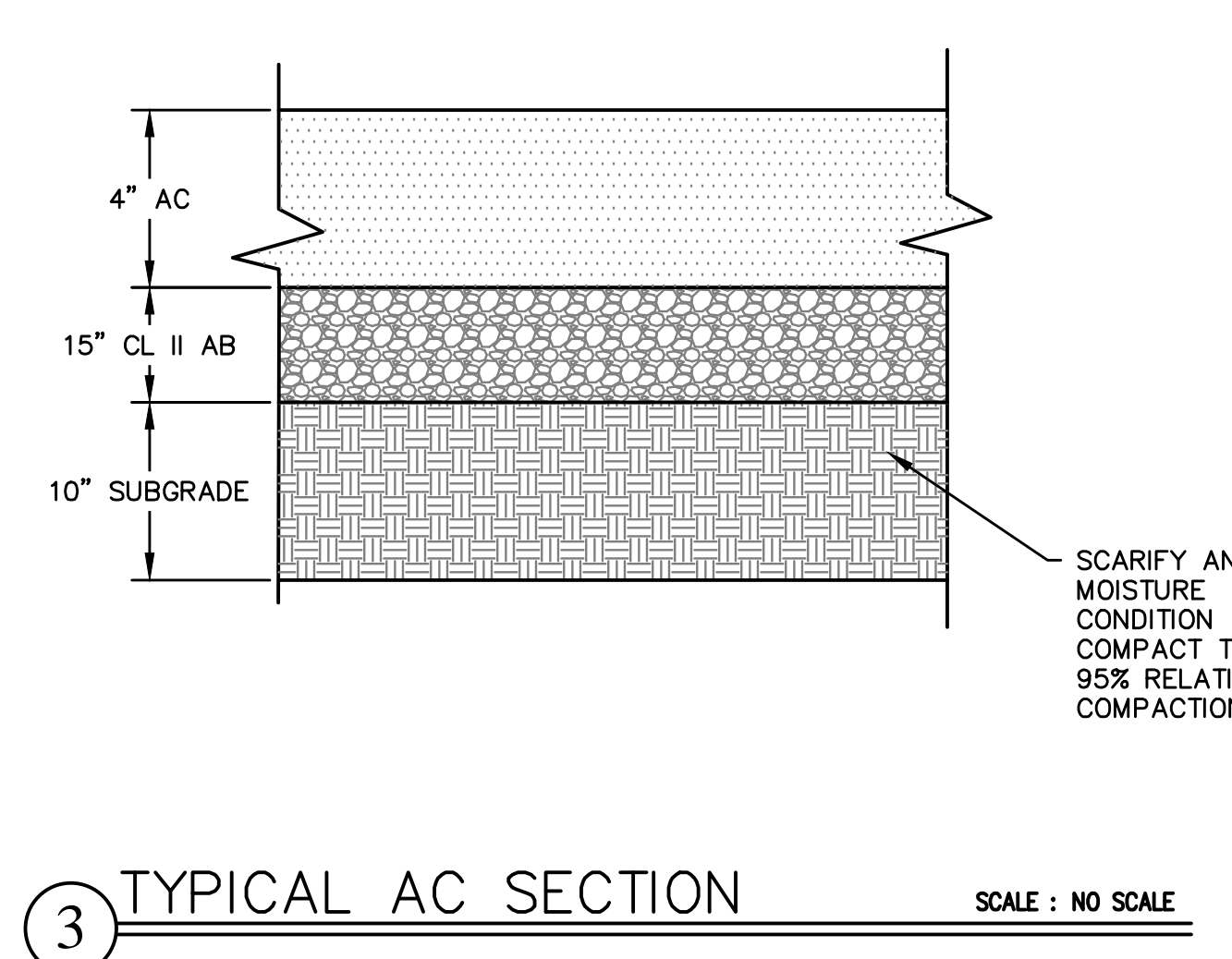
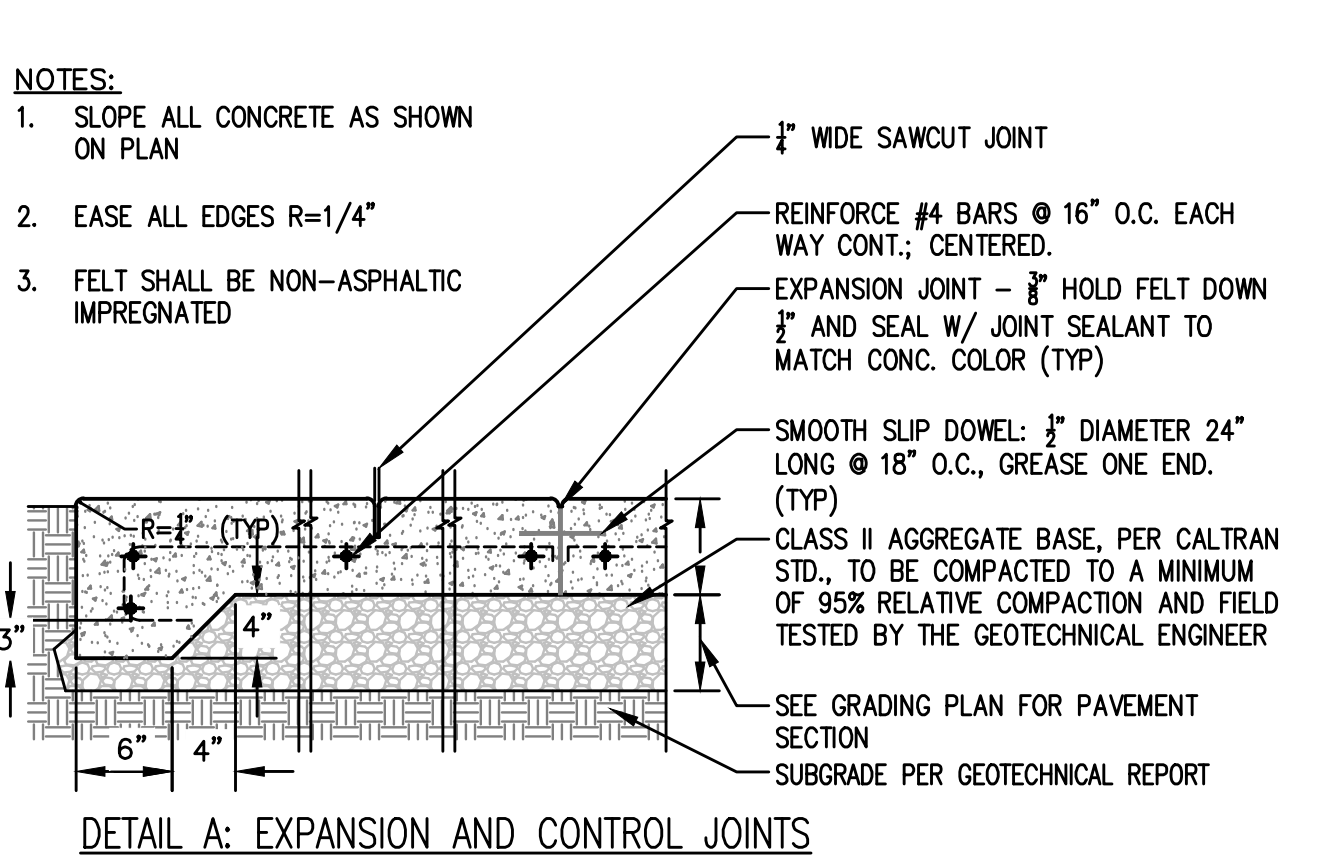
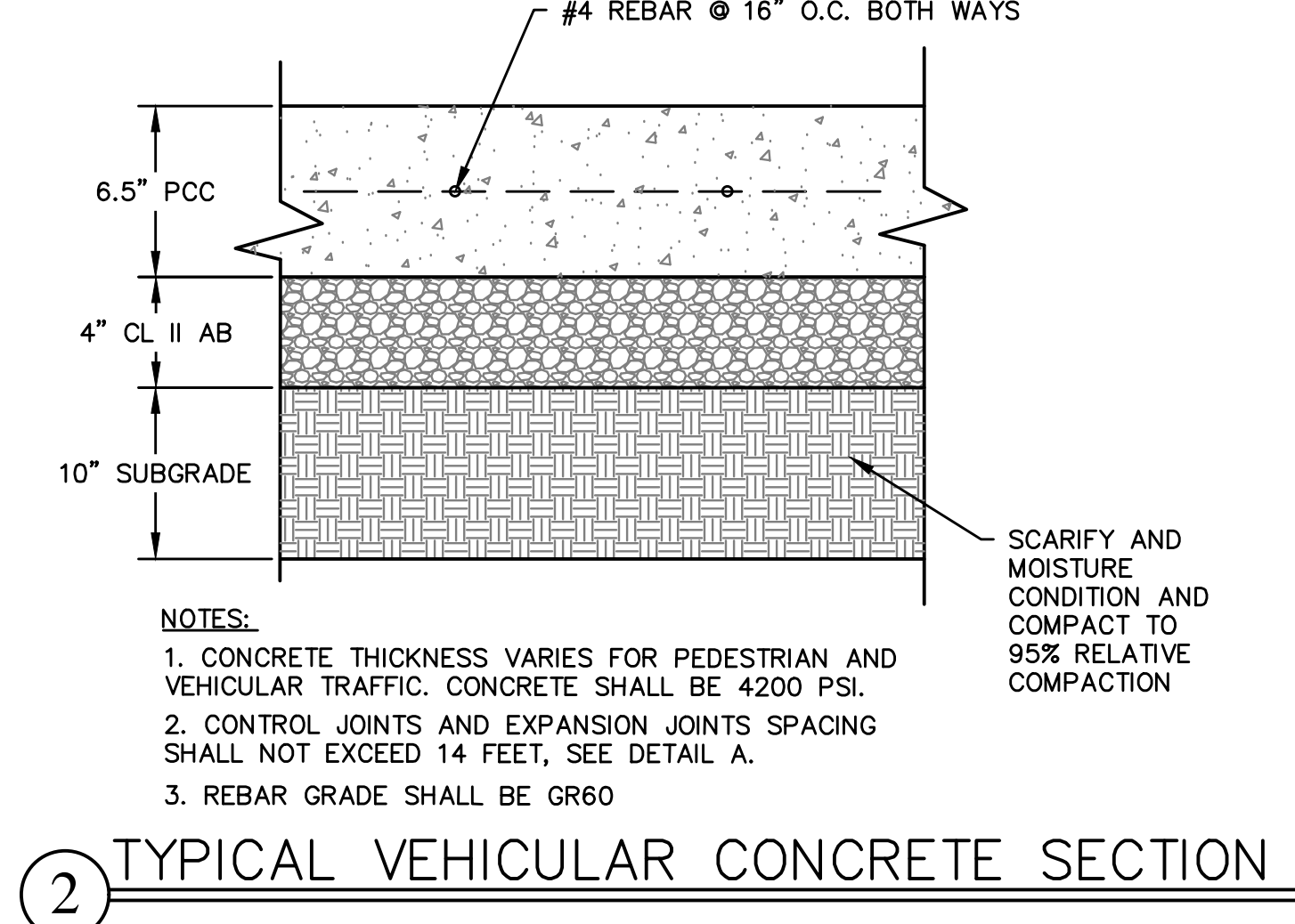
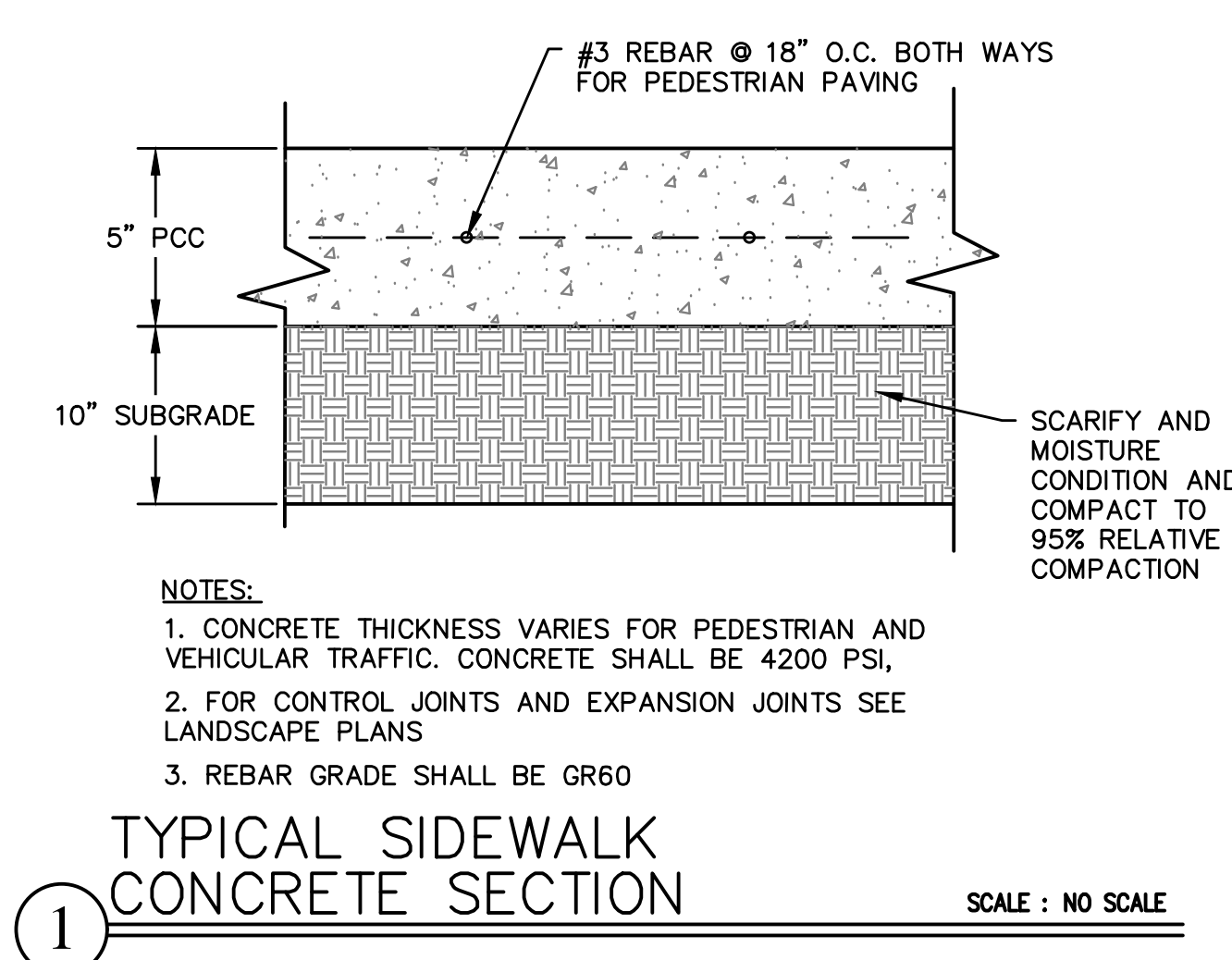
- PAVEMENT LEGEND:**
- CONTRACTOR MUST REVIEW GEOTECHNICAL REPORT FOR EXACT RECOMMENDATION FOR GRADING OPERATIONS AND OVER-EXCAVATION ON-SITE AND PROVIDE SUBMITTAL PRIOR TO STARTING ANY GRADING OPERATIONS.
- PROPOSED 5" CONCRETE SIDEWALK, SEE DETAIL 1 HEREON. SEE LANDSCAPE PLANS FOR COLOR AND FINISH
  - PROPOSED LANDSCAPING. SEE LANDSCAPE PLANS
  - PROPOSED NATURAL GRAY EXPOSED AGGREGATE CONCRETE PAVING. SEE LANDSCAPE PLANS
  - CONSTRUCT 4" AC OVER 15" CLASS II AB OVER 10" OF SCARIFIED, MOISTURE CONDITIONED, AND COMPACTED MATERIALS PAVEMENT SECTION, SEE DETAIL 3 HEREON
  - CONSTRUCT 6.5" PLAIN JOINTED PCC OVER 4" CLASS II AB OVER 10" OF SCARIFIED, MOISTURE CONDITIONED, AND COMPACTED MATERIALS PAVEMENT SECTION. SEE DETAIL 2 HEREON
  - CONSTRUCT TRUNCATED DOMES PER LANDSCAPE ARCHITECT'S PLANS
  - REPLACE CONCRETE SIDEWALK SECTION THAT WAS REMOVED DURING BUILDING DEMOLITION, WITH DETAIL 1 HEREON. SEE LANDSCAPE PLANS FOR COLOR AND FINISH

- PAVEMENT NOTES:**
- PAVEMENT SECTION TO BE APPROVED BY GEOTECHNICAL ENGINEER.
  - COLOR AND FINISH OF CONCRETE TO BE SPECIFIED BY LANDSCAPE ARCHITECT.
  - SEE LANDSCAPE PLANS FOR ALL WALKWAY FINISHES AND MATERIALS.
  - PER GEOTECHNICAL REPORT, CONTRACTOR TO USE 4200 PSI CONCRETE FOR ALL HARDSCAPE.
  - CONTRACTOR TO APPLY TEMPORARY STRIPING AFTER NEW ASPHALT. 30 DAYS LATER, APPLY 2 COATS OF SEAL WITH FINAL STRIPING.

**NOTES:**

- CURB RAMPS TO COMPLY WITH 2016 CBC SECTION 11B-406.2.2.
- RAMP SHALL BE 4" THICK CONCRETE AND RAMP SURFACE SHALL BE SLIP-RESISTANT
- REFER TO LANDSCAPE PLANS FOR COLOR, FINISH, ETC.

**4 CURB RAMP** SCALE: NO SCALE

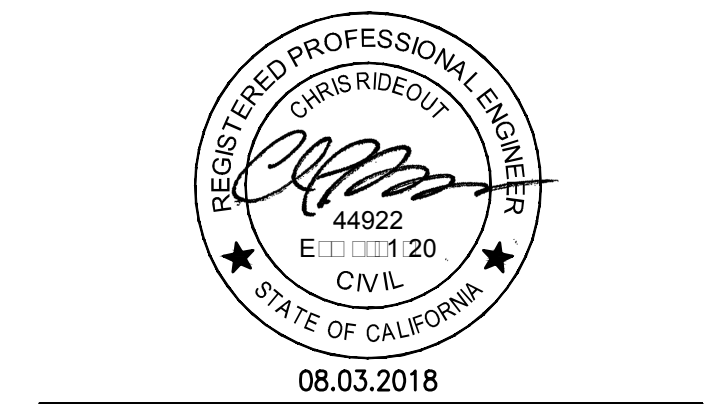


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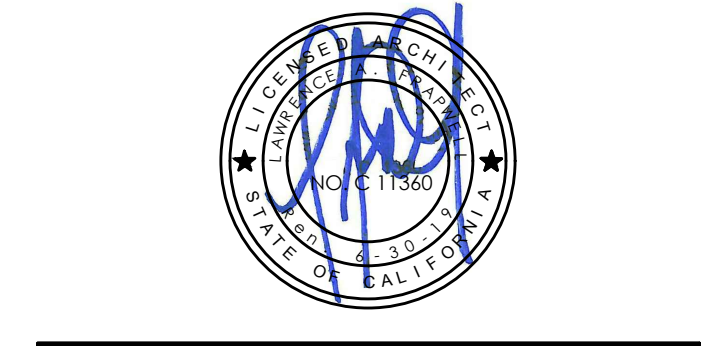
115 22nd street  
Newport Beach, CA 92663

o: 949.675.6442

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IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
FILE: 30-C2  
A# 04 - 116810

AC FLS SS  
DATE

PROJECT TITLE  
JOHNSON STUDENT CENTER  
INCREMENT 2  
1530 W 17TH ST SANTA ANA CA 92706



SUBMITTALS	
#	DATE
1	08/13/2018
2	08/13/2018
3	08/13/2018
4	08/13/2018
5	08/13/2018
6	08/13/2018
7	08/13/2018
8	08/13/2018
9	08/13/2018
10	08/13/2018
11	08/13/2018
12	08/13/2018
13	08/13/2018
14	08/13/2018
15	08/13/2018
16	08/13/2018
17	08/13/2018
18	08/13/2018
19	08/13/2018
20	08/13/2018
21	08/13/2018
22	08/13/2018

PROJECT IDENTIFICATION Project Number  
THESE DRAWINGS ORIGINALLY CREATED IN AUTOCAD REVIT V. 2016 U.S.A.  
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DRAWN BY MS / AMF

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SHEET TITLE

HORIZONTAL CONTROL AND PAVING PLAN

SHEET NUMBER

C3.1



**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

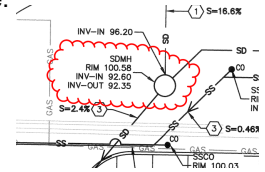
**PBC #** **51**  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	Sheet C5.2

**REQUESTED CLARIFICATION:**

Increment #2 - Sheet C5.2 (lower-left) - The callout for the SDMH (RIM 100.58) does not appear on the Utility Legend nor does it have a detail referenced. Please confirm that this Storm Drain Manhole is to be included & provide a detail for this structure, or confirm that this is existing and to be protected in place.



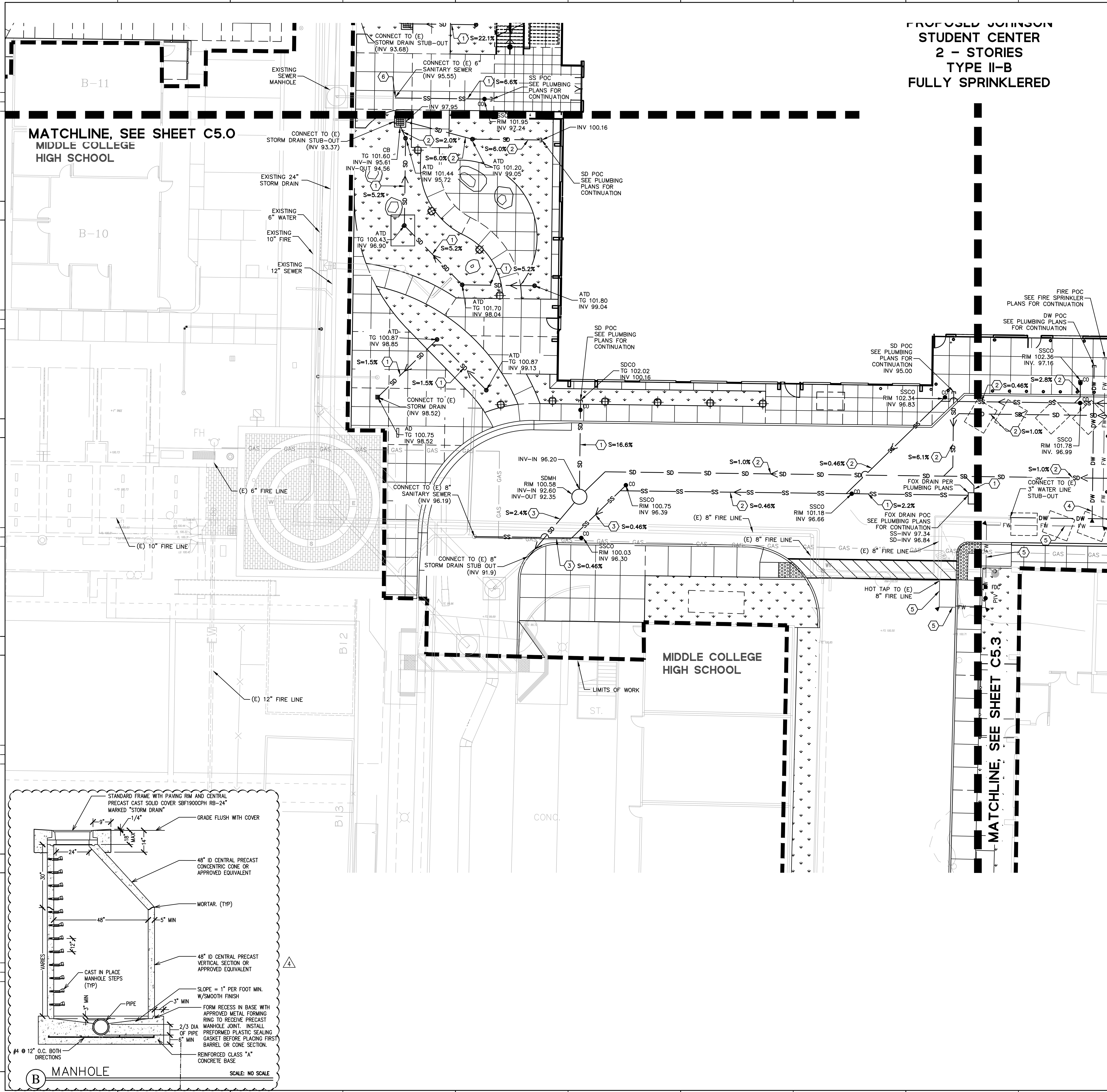
**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

**Confirmed, Storm Drain manhole to be included. Detail B provided on sheet C5.2**

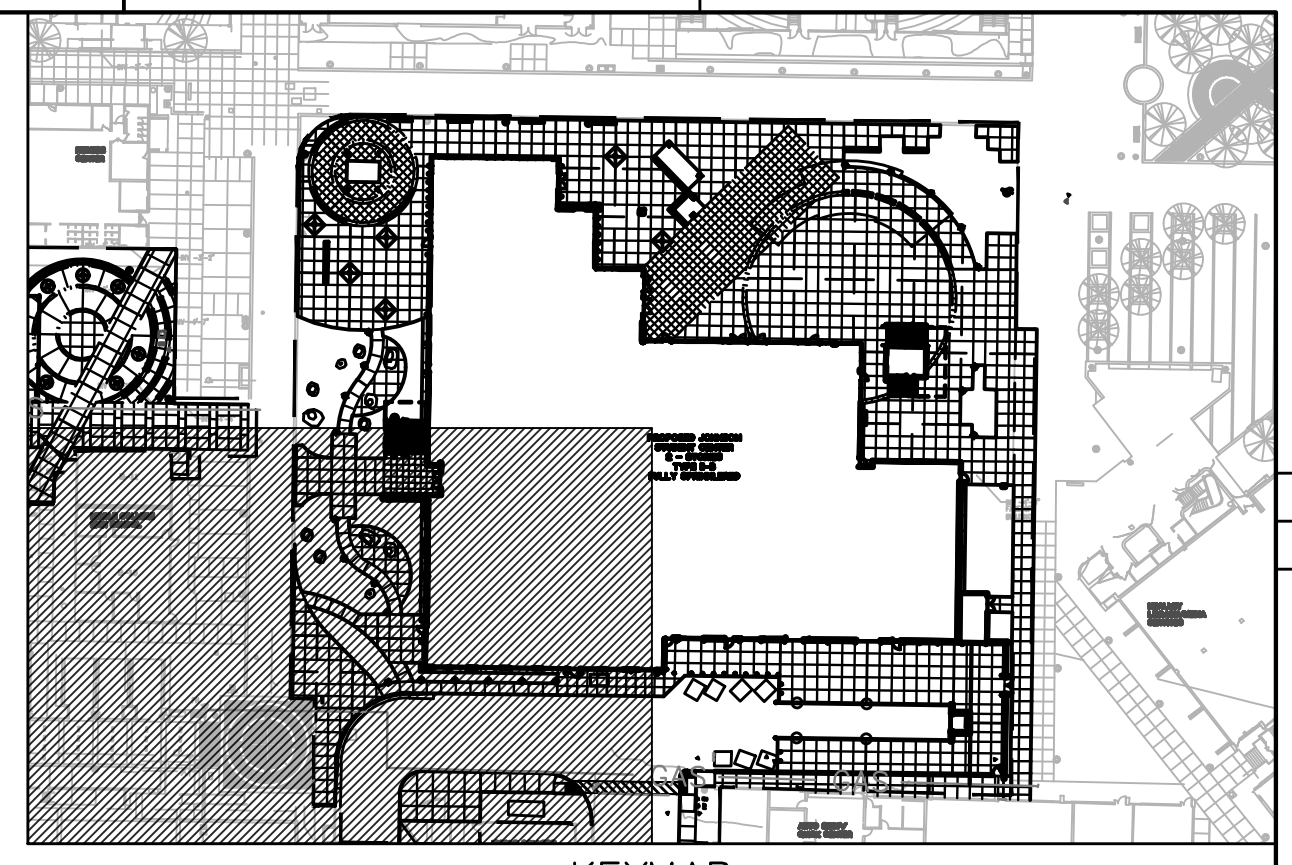
RESPONSE PROVIDED BY:	Stuart Szuch, BKF Engineers	DATE:	10/01/18
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*





PROPOSED JOHNSON  
STUDENT CENTER  
2 - STORIES  
TYPE II-B  
FULLY SPRINKLERED



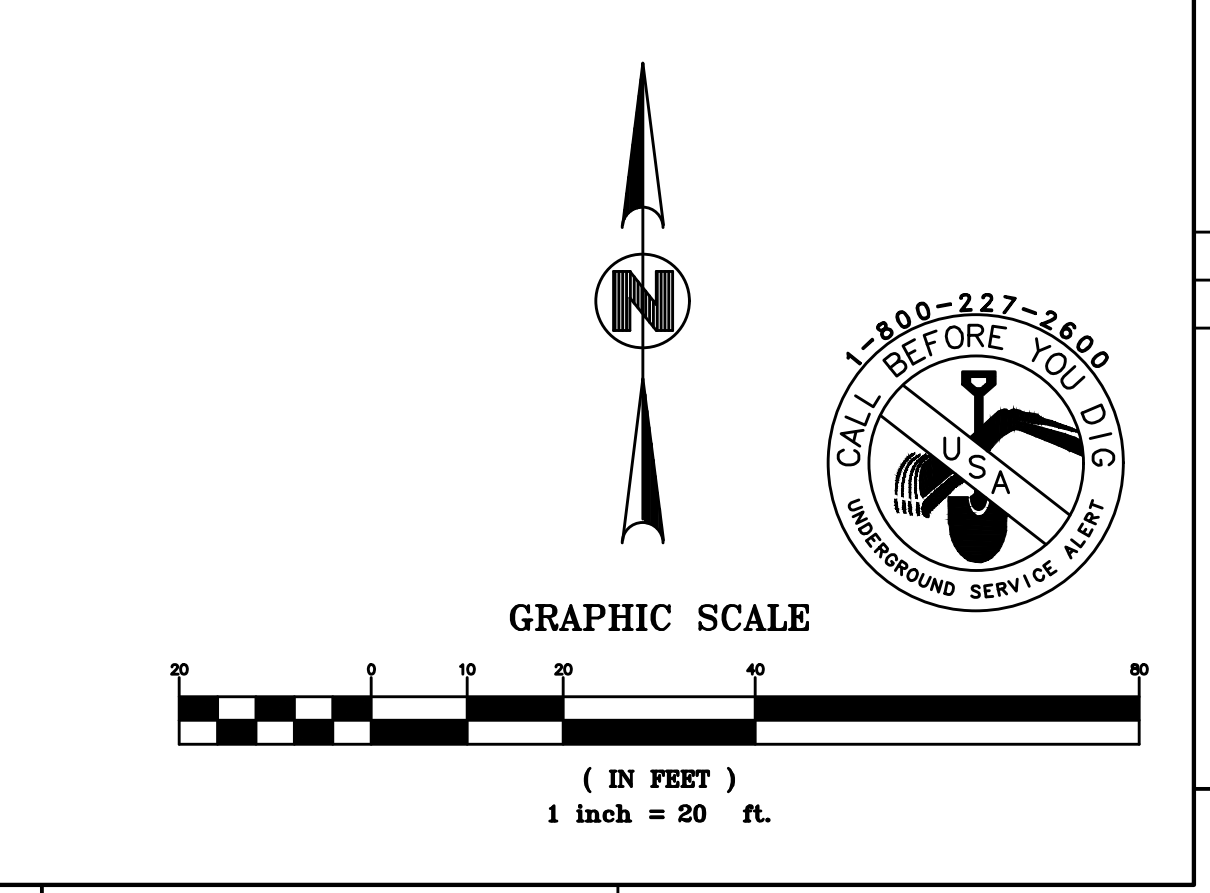
- UTILITY KEYNOTES:**
- ① 4" SDR35 PVC PIPE AND FITTINGS.
  - ② 6" SDR35 PVC PIPE AND FITTINGS.
  - ③ 8" SDR35 PVC PIPE AND FITTINGS.
  - ④ 3" C900 PVC PIPE AND FITTINGS.
  - ⑤ 6" DR14 C900 PVC PIPE AND FITTINGS.
  - ⑥ 4"x6" REDUCER
  - ⑦ RELOCATE EXISTING FIRE HYDRANT ASSEMBLY
  - ⑧ CONSTRUCT CONCRETE CONDUIT PER DETAIL A, SEE SHEET C5.4. SEE UTILITY NOTE 5

- UTILITY NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY LOCATION OF DOMESTIC WATER SERVICE AND CONNECT UPSTREAM OF (E) BFP.
  2. SEE LANDSCAPE IRRIGATION PLANS FOR DESIGN SPECIFICATIONS.
  3. CONTRACTOR TO CONTACT USA AT (800) 247-2800 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, UTILITY REMOVAL AND RELOCATION.
  4. (N) FIRE WATER LINE SHALL HAVE THRUST BLOCKING ACCORDING TO DETAIL 6 SHEET C7.0
  5. CONTRACTOR SHALL FIELD VERIFY CONNECTION TO EXISTING MDF ROOM IN EXISTING BUILDING "B." CONDUIT SHOWN AS REFERENCE, SEE MEP PLANS.
  6. ALL FIRE WATER LINE TRENCHING SHALL BE PER DETAIL 3, SHEET C5.3

- UTILITY LEGEND:**
- SD SDR 35 PVC STORM DRAIN PIPE (UNLESS OTHERWISE NOTED)
  - SS PVC SANITARY SEWER
  - FW C900 PVC FIRE WATER
  - DW C900 PVC DOMESTIC WATER
  - 24"x24" CATCH BASIN WITH INLET GRATE PER DETAIL 3/C7.0
  - 24"x24" CATCH BASIN WITH SOLID COVER PER DETAIL 3/C7.0
  - CO SD/SS CLEANOUT PER DETAIL 5/C7.0
  - AD ATRIUM AREA DRAIN PER DETAIL 1/C7.0
  - ADT AREA DRAIN W/ SQUARE GRATE PER DETAIL 2/C7.0
  - FDC FIRE DEPARTMENT CONNECTION (FDC) PER DETAIL 1/C5.3
  - PIV POST INDICATOR VALVE (PIV) PER DETAIL 2/C5.3
  - 6" WIDE TRENCH DRAIN PER DETAIL 4/C7.0
  - GREASE INTERCEPTOR PER PLUMBING PLANS
  - FH FIRE HYDRANT
  - TB THRUST BLOCK PER DETAIL 6/C7.0
  - AD AREA DRAIN
  - ADT ATRIUM AREA DRAIN
  - (E) EXISTING
  - INV INVERT
  - S SLOPE
  - TG TOP OF GRATE
  - WV WATER VALVE
  - GAS 2 1/2" GAS LINE PER PLUMBING PLANS
  - SDM STORM DRAIN MANHOLE PER DETAIL B/C5.2

SUBMITTALS		
#	DATE	DESCRIPTION
	08/13/2018	CSA FINAL SUBMITTAL
	10/01/2018	ADDENDUM 4

**PROJECT IDENTIFICATION** Project Number  
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 THE ORIGINAL SIZE OF THIS SHEET IS 30" X 42"  
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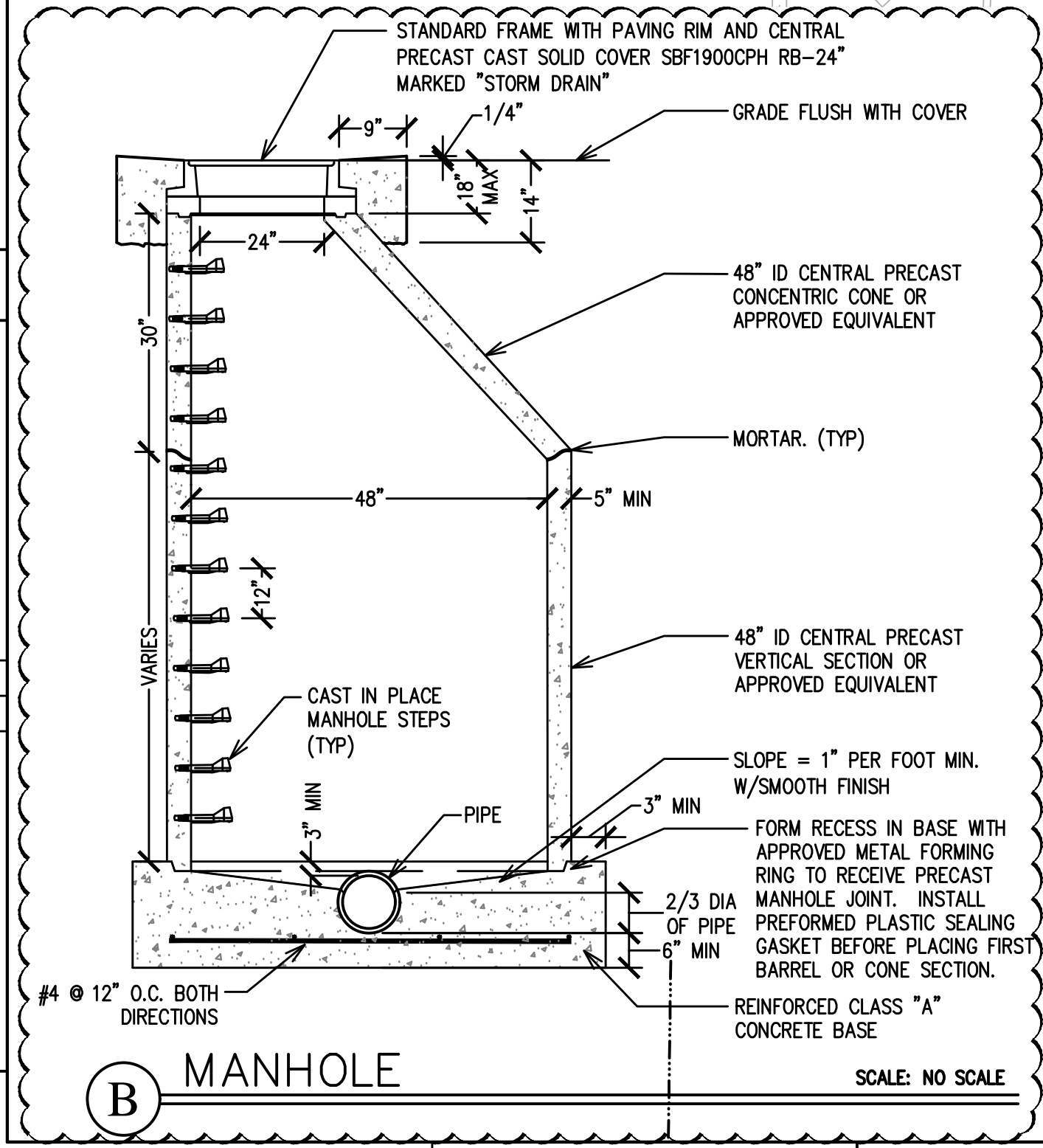
ENGINEERS . SURVEYORS . PLANNERS

08.03.2018

SEALS / APPROVALS

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 FILE: 30-C2  
 A# 04 - 116810  
 AC FLS SS  
 DATE

PROJECT TITLE  
**JOHNSON STUDENT CENTER**  
 INCREMENT 2  
 1530 W 17TH ST SANTA ANA CA 92706





**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

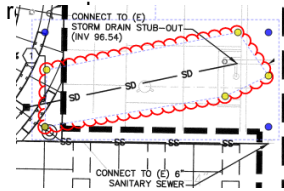
PBC # **52**  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	C5.4

**REQUESTED CLARIFICATION:**

Increment #2 - Sheet C5.4 - The new SD pipe is beyond the Limit-of-Work line, please confirm that the bidders are to include cutting & patching of the existing hardscape. Please provide detailed information for this hardscape - thickness, finish, rebar size & spacing, as well as minimum dimensions for the



**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

Confirmed, bidders are to include cutting & patching of the existing hardscape. Please utilize the same hardscape information as the proposed sidewalk for this project, as shown as the first item on the Pavement Legend on sheet C3.0.

RESPONSE PROVIDED BY:	Stuart Szuch, BKF Engineers	DATE:	10/01/18
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 53  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/25/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	LV1.11, A5.11, A2.11, A4.01

**REQUESTED CLARIFICATION:**

Increment #2 - Note 1/LV1.11 calls for the ATM machine to be OFOI while detail 2/A5.11 calls for the ATM machine to be OFCI. Please clarify if the ATM machine is to be OFOI or OFCI. If it is OFCI then please provide mounting/attachment details.

Sheet A2.11 at Gridlines M/6.3 there are vending machines called out as OFOI (Typ.), however 2/A4.01 shows these vending machines as OFCI. Please clarify if these vending machines are OFOI or OFCI. If they are OFCI then please provide mounting/attachment details.

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

**VENDING MACHINES AND ATM MACHINES ARE OFOI. REVISE REFERENCE AT 1/A5.11 TO READ "ATM MACHINE O.F.O.I". REFERENCE ON SHEET A2.11 IS CORRECT, REVISE REFERENCE AT 2/A4.01 TO READ "ATM MACHINE O.F.O.I".**

RESPONSE PROVIDED BY:	Julia D. Jones / hpi	DATE:	10/01/18
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **54**  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/20/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	102226	DRAWING NUMBER:	

**REQUESTED CLARIFICATION:**

Increment #2 - Section 102226 par. 2.1-W-1 requires the Operable Panel Partition to meet an NRC rating of not less than 0.65. Please confirm that neither the cost of field nor the cost of laboratory testing is not to be included by the bidders to meet this minimum rating.

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

**CONFIRMED. THE TESTING NOTED IN SPECIFICATION SECTION 102226 PAR 2.4-W.1 STATES IT IS TO BE A SYSTEM THAT IS IN COMPLIANCE WITH ASTM C423 WITH THE RATING OF NRC 0.65. GC TO PROVIDE A SHOP/SUBMITTAL WITH REQUIREMENTS NOTED.**

RESPONSE PROVIDED BY:	<b>Julia D. Jones / hpi</b>	DATE:	<b>10/01/18</b>
-----------------------	-----------------------------	-------	-----------------

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

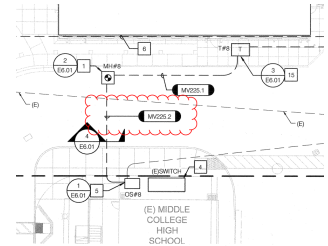
**PBC #** 55  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/25/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	E1.11

**REQUESTED CLARIFICATION:**

Increment #2 - Sheet E1.11 South of the Student Center – The feeder connecting OS#8 and MH#8 is shown as MV225.2 while the single-line on sheet E5.01 shows the feeder as MV225.1. Please advise which is the correct feeder designation.



**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

Feeder from OS#8 to MH#8 shall be MV225.1. Provide per single line diagram.

RESPONSE PROVIDED BY:	Melissa Klug, P2s	DATE:	10/01/18
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*



**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 56  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	320523 par. 2.11-A	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
Increment 2 - Specification Section 320523 par. 2.11-A refers to Section 321300 Rigid Paving, however this section was not provided. Please remove this reference or provide the missing specification section.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
Referenced section in par. 2.11-A, 321300 replaced with section 321313			
RESPONSE PROVIDED BY:	Stuart Szuch, BKF Engineers	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

SECTION 320523 - CONCRETE FOR EXTERIOR IMPROVEMENTS

1. PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Materials for portland cement concrete.
- B. Aggregate and aggregate grading for portland cement concrete.
- C. Water for portland cement concrete.
- D. Admixtures for portland cement concrete.
- E. Proportioning for portland cement concrete.
- F. Mixing and transporting portland cement concrete.
- G. Formwork for cast in place portland cement concrete.
- H. Embedded materials for portland cement concrete.
- I. Steel reinforcement for portland cement concrete.
- J. Placing and finishing portland cement concrete.
- K. Curing portland cement concrete.
- L. Protecting portland cement concrete.

1.02 RELATED SECTIONS

- A. Section 01 81 13, Sustainable Design Requirements
- B. Section 31 23 00, Excavation and Fill.
- C. Section 32 12 00, Asphalt Concrete Pavement.

1.03 RELATED DOCUMENTS

- A. ASTM Standards
  - 1. A 82, Cold Drawn Steel Wire for Concrete Reinforcement.
  - 2. A 185, Steel Welded Wire Fabric, Plain for Concrete Reinforcement.
  - 3. A 615, Deformed and Plain Billet Steel Bars, for Concrete Reinforcement.
  - 4. C 94, Specification for Ready-mixed Concrete.
  - 5. C 114, Method for Chemical Analysis of Hydraulic Cement.
  - 6. C 150. Portland Cement.
  - 7. C 618, Fly Ash and Raw or Calcined Natural Pozzolan for use as Natural Admixture in Portland Cement.

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8. C 1751, Preformed Expansion Joint Fillers for Concrete. Paving and Structural Construction (Non-extruded and Resilient Bituminous Types).

B. Caltrans Standard Specifications:

1. Section 51: Concrete Structures.
2. Section 73: Concrete Curbs and Sidewalks.
3. Section 90: Portland Cement Concrete.

C. California Building Code:

1. Chapter 11B – Accessibility To Public Buildings.
2. Chapter 19A – Concrete.
3. Chapter 33 – Site Work, Demolition and Construction.
4. Section 1133B – General Accessibility for Entrances, Exits and Paths of Travel.

1.04 DEFINITIONS

- A. ASTM: American Society for Testing and Materials.

1.05 SUBMITTALS

- A. Follow submittal procedures outlined in Section 01 33 00 – Submittal Procedures.

B. LEED Submittals:

1. Product Data for Credit MR 4: For products having recycled content, documentation indicating percentages by weight of postconsumer and pre-consumer recycled content. Include statement indicating cost for each product having recycled content, and LEED Product Submittal Cover Sheet from 018113.
2. Product Data for Credit MR 5: For products having regional content, documentation indicating location and distance from project of material manufacturer and post of extraction with cost, and LEED Product Submittal Cover Sheet from 018113.

- C. Design Mixes: Have all concrete mixes designed by a testing laboratory and approved by the Consulting Engineer. Conform all mixes to the applicable building code requirement, regardless of other minimum requirements listed herein or on the drawings. Submit mix designs for review before use. Show proportions and specific gravities of cement, fine and coarse aggregate, and water and gradation of combined aggregates.

D. Reinforcing Steel Shop-Drawings

1.06 QUALITY ASSURANCE

- A. Concrete shall be subject to quality assurance in accordance with Section 90 of the Standard Specifications.

1. Slump tests: Have available, at job site, equipment required to perform slump tests. Make one slump test for each cylinder sample, from same concrete batch. Allowable maximum slump shall be 4 inches for walls and 3 inches for slabs on grade and other work.

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B. Certifications:

1. Provide Owner's Representative at the time of delivery with certificates of compliance signed by both Contractor and Supplier containing the following statements:
2. Materials contained comply with the requirements of the Contract Documents in all respects.
3. Proportions and mixing comply with the design mix approved by the Consulting Engineer. Design mix shall have been field tested in accordance with the herein requirements of the Caltrans Standard Specifications and produces the required compressive strength under like conditions.
4. Statement of type and amount of any admixtures.
5. Provide Owner's Representative, at time of delivery, with certified delivery ticket stating volume of concrete delivered and time of mixing, or time of load-out in case of transit mixers.

C. Conform to the applicable provisions of Section 51, 73 and 90 of the Caltrans Standard Specification and these Technical Specifications.

1. Conform construction of portland cement concrete surface improvements (including curbs, gutters, medians, valley gutters, walks) to the requirements of Section 73 of the Caltrans Standard Specifications unless otherwise required in these Technical Specifications or shown on the Plans.
2. Construct "V" ditches in accordance with Section 72-4 of the Standard Specifications; except that finishing shall be in accordance with Standard Specification Section 73 instead of 53, or as otherwise required in these Technical Specifications or shown on the Plans.
3. Conform other construction of portland cement concrete items to the requirements of Section 51 of the Caltrans Standard Specifications unless otherwise required in these Technical Specifications or shown on the Plans.

D. Conform to the requirements of the California Building Code section 1929A.2 for testing of reinforcing bars.

1.07 DESIGNATION

- A. General: Whenever the 28-day compressive strength is designated herein or on the plans is greater than 3,600 psi, the concrete shall considered to be designated by compressive strength. The 28-day compressive strength shown herein or on the plans which are 3,600 psi or less are shown for design information only and are not considered a requirement for acceptance of the concrete. Whenever the concrete is designated by class or as minor concrete herein or on the plans, the concrete shall contain the cement per cubic meter shown in section 90-1.01 of the Caltrans Standard Specifications.
- B. Unless specified otherwise herein or on the Plans, Portland Cement Concrete for this Project shall be Class "2" as specified in Section 90-1.01 of the Caltrans Standard Specifications.

2. PART 2 - PRODUCTS

2.01 PORTLAND CEMENT

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- A. General: Type V or type II (modified) cement conforming to the requirements of ASTM C 150, with the following modifications:
1. Cement shall not contain more than 0.60% by weight of alkalis, calculated as the percentage of  $\text{Na}_2\text{O}$  plus 0.658 times the percentage of  $\text{K}_2\text{O}$  when determined by either 4 intensity flame photometry or by the atomic absorption method. The instrument and procedure used shall be qualified as to precision and accuracy in accordance with the requirements of ASTM C 114.
  2. The autoclave expansion shall not exceed 0.50%.
  3. Mortar containing the Portland Cement to be used and the sand, when tested in accordance with Test Method No. Calif. 527, shall not expand in water more than 0.010% and shall have an air content less than .048%.
  4. Allowable tri-calcium Aluminate ( $\text{C}_3\text{A}$ ) by weight shall not exceed 5%. Allowable tetracalcium aluminoferrite plus twice the tricalcium aluminate ( $\text{C}_4\text{AF}+2\text{C}_3\text{A}$ ) by weight shall not exceed 25%. The sulfate expansion test (ASTM C 452) may be used in lieu of the above chemical requirements, provided the sulfate expansion does not exceed 0.040% at 14 days (max.).
  5. Contractor may substitute pozzolan for Portland Cement in amounts up to 15% of the required mix unless high early strength concrete is specified. Pozzolan shall consist of Class F Fly Ash meeting the requirements of ASTM C 618.
- B. Cement for Surface Improvements: Provide a coloring equivalent to  $\frac{1}{4}$  pound of lampblack per cubic yard. Add to the concrete at the central mixing plant.
- C. Liquiblack, as supplied by Concrete Corporation of Redwood City, California, may be used in lieu of lampblack. One pint of liquiblack shall be considered equal to one pound of lampblack.

## 2.02 AGGREGATE AND AGGREGATE GRADING

- A. General: Conform to the requirements of Section 90-2.02, 2.02A and 2.02B of the Caltrans Standard Specifications.
- B. Aggregate Size and Gradation: Conform to the requirements of section 90-3 of the Caltrans Standard Specifications for 25-mm (1-inch) maximum combined aggregate.

## 2.03 WATER

- A. General: Conform to the requirements of section 90-2.03 of the Caltrans Standard Specifications, for mixing and curing portland cement concrete and for washing aggregates.

## 2.04 CLASSIFICATION OF PORTLAND CEMENT CONCRETE

- A. Concrete for the following items shall be designated by the following classes per Section 90-1.01 of the Caltrans Standard Specifications:
1. Vehicular Pavement: Class 2.
  2. Curbs, Gutters, and Sidewalks: Minor Concrete.
  3. Cast in place Concrete Pipe: The concrete shall consist of a minimum of 564 pounds of Portland cement per cubic yard of concrete.

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4. Thrust Blocks: The concrete shall have a minimum compressive strength of 3,000 psi.
5. Sign and Fence Footings: The concrete shall consist of a minimum of 376 pounds of Portland cement per cubic yard of concrete.
6. Water, Storm, and Sanitary Structures: The concrete shall consist of a minimum of 564 pounds of Portland cement per cubic yard of concrete.

2.05 EXPANSION JOINT MATERIAL

- A. Material for expansion joints in portland cement concrete improvements shall be premolded expansion joint fillers conforming to the requirements of ASTM Designation D 1751. Expansion joint material shall be shaped to fit the cross section of the concrete prior to being placed. Suppliers certificates showing conformance with this specification shall be delivered with each shipment of materials delivered to the job site. Unless noted otherwise herein or on the Plans expansion joint thickness shall be as follows:
  1. Curbs, Curb Ramps, Island Paving, Sidewalks, Driveways and Gutter Depressions: ¼-inch.
  2. Concrete Slope Protection, Gutter Lining, Ditch Lining and Channel Lining: ½-inch.
  3. Structures: As indicated.

2.06 REINFORCEMENT AND DOWELS

- A. Bar reinforcement for concrete improvements shall be deformed steel bars of the size or sizes called for on the plans conforming to the requirements of ASTM Designation A 615 for Grade 60 bars. Size and shape for bar reinforcement shall conform to the details shown or called for on the Plans. Substitution of wire mesh reinforcement for reinforcing bars will not be allowed.
- B. Slip dowels, where noted or called for on the plans or detail drawings shall be smooth billet-steel bars as designated and conforming to the requirements of ASTM Designation A 615 for Grade 60 bars. Ends of bars inserted in new work shall be covered with a cardboard tube sealed with cork; no grease or oil shall be used.
- C. Mesh for reinforcement for concrete improvements shall be cold drawn steel wire mesh of the size and spacing called for on the plans conforming to the requirements of ASTM Designation A 82 for the material and ASTM Designation A 185 for the mesh. Size and extent of mesh reinforcement shall conform to the details shown or called for on the plans.
- D. Tie wire for reinforcement shall be eighteen (18) gauge or heavier, black, annealed conforming to the requirements of ASTM Designation A 82.
- E. Suppliers certificates showing conformance with this specification shall be delivered with each shipment of materials delivered to the job site.

2.07 COLOR AND PATTERN FOR DECORATIVE SURFACES

- A. Colors for decorative surfacing shall be CHROMIX admixtures as manufactured by the L. M. Scofield Company, Schedule A-312.05 or approved equal. The specific color shall be as designated or called for on the Plans.
- B. Patterns for decorative surfacing shall be standard "Bomanite" patterns as copyrighted by the Bomanite Corporation of Palo Alto, California or equal. The specific pattern shall be as designated or called for on the Plans.

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2.08 ACCESSORY MATERIALS

- A. Conform water stops and other items required to be embedded in of Portland Cement Concrete structures to the applicable requirements of Section 51 of the Caltrans Standard Specifications unless otherwise specifically noted or called for on the Plans or detail drawings.
- B. Curing Compounds:
  - 1. Regular Portland Cement Concrete: "Non-Pigmented Curing Compound - chlorinated Rubber Base-Clear" conforming to the requirements contained in Section 90-7.01B, of the Caltrans Standard Specifications.
  - 2. Color Conditioned Decorative Portland Cement Concrete: LITHOCHROME colorwax as manufactured by the L. M. Scofield Company or approved equal.

2.09 FORMS

- A. Conform to the requirements of Section 51-1.05 of the Caltrans Standard Specifications.

2.10 PRECAST CONCRETE STRUCTURES

- A. Conform to the following Sections of Caltrans Standard Specifications:
  - 1. 51-1.02, Minor Structures.
  - 2. 70-1.02C, Flared End Sections.
  - 3. 70-1.02H, Precast Concrete Structures.

2.11 PORTLAND CEMENT CONCRETE VEHICULAR PAVEMENT

- A. General: See Section 32 13 13 – Concrete Paving.

3. PART 3 - EXECUTION

3.01 STRUCTURAL EXCAVATION

- A. Structural excavation may be either by hand, or by machine and shall be neat to the line and dimension shown or called for on the plans. Excavation shall be sufficient width to provide adequate space for working therein, and comply with CAL-OSHA requirements.
- B. Where an excavation has been constructed below the design grade, refill the excavation to the bottom of the excavation grade with approved material and compact in place to 95% of the maximum dry density.
- C. Remove surplus excavation material remaining upon completion of the work from the job site, or condition it to optimum moisture content and compact it as fill or backfill on the site.

3.02 BRACING AND SHORING

- A. Conform to California and Federal OSHA requirements.
- B. Place and maintain such bracing and shoring as may be required to support the sides of the excavations for the proper protection of workmen; to facilitate the work; to prevent damage to the

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facility being constructed; and to prevent damage to adjacent structures or facilities. Remove all bracing and shoring upon completion of the work.

- C. Be solely responsible for all bracing and shoring and, if requested by the Owner's Representative, submit details and calculations to the Owner's Representative. The Owner's Representative may forward the submittal to the Consulting Engineer and/or the California Division of Industrial Safety for their review. The Contractor's submittal shall include the basic design, assumed soils conditions and estimation of forces to be resisted, together with plans and specifications of the materials and methods to be used, and shall be prepared by a civil engineer or structural engineer registered in California. No excavations related to the proposed facility shall precede a response to the submittal by the Owner's Representative.
- D. Be solely responsible for installing and extracting the sheathing in a manner which will not disturb the position or operation of the facility being constructed or adjacent utilities and facilities.

### 3.03 PLACING CONCRETE FORMS

- A. Form concrete improvements with a smooth and true upper edge. Side of the form with a smooth finish shall be placed next to concrete. Construct forms rigid enough to withstand the pressure of the fresh concrete to be placed without any distortion.
- B. Thoroughly clean all forms prior to placement and coat forms with an approved form oil in sufficient quantity to prevent adherence of concrete prior to placing concrete.
- C. Carefully set forms to the alignment and grade established and conform to the required dimensions. Rigidly hold forms in place by stakes set at satisfactory intervals. Provide sufficient clamps, spreaders and braces to insure the rigidity of the forms.
- D. Provide forms for back and face of curbs, lip of gutters and edge of walks, valley gutters or other surface slabs that are equal to the full depth of the concrete as shown, noted or called for on the Plans. On curves and curb returns provide composite forms made from benders or thin planks of sufficient ply to ensure rigidity of the form.

### 3.04 PLACING STEEL REINFORCEMENT

- A. Bars shall be free of mortar, oil, dirt, excessive mill scale and scabby rust and other coatings of any character that would destroy or reduce the bond. All bending shall be done cold, to the shapes shown on the plans. The length of lapped splices shall be as follows:
  - 1. Reinforcing bars No. 8, or smaller, shall be lapped at least 45 bar diameters of the smaller bar joined, and reinforced bars Nos. 9, 10, and 11 shall be lapped at least 60 bar diameters of the smaller bars joined, except when otherwise shown on the plans.
  - 2. Splice locations shall be made as indicated on the plans.
- B. Accurately place reinforcement as shown on the plans and hold firmly and securely in position by wiring at intersections and splices, and by providing precast mortar blocks or ferrous metal chairs, spacers, metal hangers, supporting wires, and other approved devices of sufficient strength to resist crushing under applied loads. Provide supports and ties of such strength and density to permit walking on reinforcing without undue displacement.
- C. Place reinforcing to provide the following minimum concrete cover:
  - 1. Surfaces exposed to water: 4-inches.



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2. Surfaces poured against earth: 3-inches.
  3. Formed surfaces exposed to earth or weather: 2-inches.
  4. Slabs, walls, not exposed to weather or earth: 1-inch.
- D. Minimum spacing, center of parallel bars shall be two and one half (2-1/2) times the diameter of the larger sized bar. Accurately tie reinforcing securely in place prior to pouring concrete. Placing of dowels or other reinforcing in the wet concrete is not permitted.

3.05 MIXING AND TRANSPORTING PORTLAND CEMENT CONCRETE

- A. Transit mix concrete in accordance with the requirements of ASTM Designation C 94. Transit mix for not less than ten (10) minutes total, not less than three (3) minutes of which shall be on the site just prior to pouring. Mix continuous with no interruptions from the time the truck is filled until the time it is emptied. Place concrete within one hour of the time water is first added unless authorized otherwise by the Owner's Representative.
- B. Do not hand mix concrete for use in concrete structures.

3.06 PLACING PORTLAND CEMENT CONCRETE

- A. Thoroughly wet subgrade when concrete is placed directly on soil. Remove all standing water prior to placing concrete.
- B. Do not place concrete until the subgrade and the forms have been approved.
- C. Convey concrete from mixer to final location as rapidly as possible by methods that prevent separation of the ingredients. Deposit concrete as nearly as possible in final position to avoid re-handling.
- D. Place and solidify concrete in forms without segregation by means of mechanical vibration or by other means as approved by the Owner's Representative. Continue vibration until the material is sufficiently consolidated and absent of all voids without causing segregation of material. The use of vibrators for extensive shifting of fresh concrete will not be permitted.
- E. Concrete in certain locations may be pumped into place upon prior approval by the Owner's Representative. When this procedure requires redesign of the mix, such redesign shall be submitted for approval in the same manner as herein specified for approval of design mixes.

3.07 PLACING ACCESSORY MATERIALS

- A. Place water stops and other items required to be embedded in of portland cement concrete structures at locations shown or required in accordance with Section 51 of the Caltrans Standard Specifications unless otherwise specifically noted or called for on the Plans.
- B. Curing Compounds:
1. Regular Portland Cement Concrete: Apply "Non-Pigmented Curing Compound - chlorinated Rubber Base-Clear" in accordance with Section 90-7.01B, 7.01D and 7.03 of the Caltrans Standard Specifications.
  2. Color Conditioned Decorative Portland Cement Concrete: Apply LITHOCHROME colorwax in accordance with the manufactures instructions.

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3.08 EXPANSION JOINTS

- A. Construct expansion joints incorporating premolded joint fillers at twenty (20) foot intervals in all concrete curbs, gutters, sidewalks, median/island paving, valley gutters, driveway approaches and at the ends of all returns. At each expansion joint install one-half inch by twelve inch (1/2" x 12") smooth slip dowels in the positions shown or noted on the detail drawings.
- B. Orient slip dowels at right angles to the expansion joint and hold firmly in place during the construction process by means of appropriate chairs.

3.09 WEAKENED PLANE JOINTS

- A. Construct weakened plane joints in concrete curbs, gutters, sidewalks, median/island paving and valley gutters between expansion joints at ten (10) foot intervals throughout, or as otherwise indicated. Depth of joint score depth to be one-fourth (25%) the thickness of the concrete.
  - 1. Grooved Joints: Form weakened plane joints after initial floating by grooving and finishing each edge of joint to a radius of 1/8-inch. Repeat grooving of weakened plane joints after applying surface finishes. Eliminate groover tool marks on concrete surfaces.

3.10 FINISHING CONCRETE

- A. Finish curb and gutter in conformance with the applicable requirements of Section 73-1.04 and 73-1.05A of the Caltrans Standard Specifications as modified herein.
- B. Where monolithic curb, gutter and sidewalk is specified, separate concrete pours will not be allowed.
- C. Provide a medium broom finish to all horizontal surfaces unless otherwise shown.

3.11 FORM REMOVAL

- A. Remove forms without damage to the concrete. Remove all shores and braces below the ground surface, before backfilling.
- B. Do not backfill against concrete until the concrete has developed sufficient strength to prevent damage.
- C. Leave forms for cast-in-place walls in place at least 72 hours after pouring.
- D. Leave edge forms in place at least 24 hours after pouring.

3.12 CONSTRUCTION

- A. Form, place and finish concrete walkways, island paving, valley gutters and driveway approaches in conformance with the applicable requirements of Section 73-1.04 and 73-1.06 of the Caltrans Standard Specifications as modified herein.
- B. Construct new concrete curb, curb and gutter and valley gutters against existing asphalt concrete by removing a minimum of 12-inches of the asphalt concrete to allow placement of curb or gutter forms. Patch pavement with a 6-inch deep lift of asphalt concrete after gutter form is removed.

3.13 CONNECTING TO EXISTING CONCRETE IMPROVEMENTS

- A. New curb, gutter, or sidewalk is to connect to existing improvements to remain by saw cutting to

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existing sound concrete at the nearest score line, expansion joint or control joint. Drill and insert ½-inch diameter by 12-inch long dowels at 24-inches on center into existing improvements. Install pre-molded expansion joint filler at the matching joint.

- B. A cold joint to the existing curb is not acceptable.

3.14 DECORATIVE SURFACING CONSTRUCTION

- A. Decorative surfacing concrete walks, concrete median islands or other installations shall be formed and placed as a concrete slab conforming to the details shown or noted on the Plans.

3.15 FIELD QUALITY CONTROL

- A. Finish subgrade for concrete improvements shall be subject to approval prior to placement of forms.
- B. No concrete shall be placed prior to approval of forms.
- C. Concrete improvements constructed shall not contain "bird baths" or pond water and shall be smooth and ridge free.
- D. Conform the finish grade at top of curb, flow line of gutter, and the finish cross section of concrete improvements to the design grades and cross sections.
- E. Variation of concrete improvements from design grade and cross section as shown or called for on the plans shall not exceed the tolerances established in Sections 73-1.05 and/or 73-1.06 of the Caltrans Standard Specifications.

3.16 RESTORATION OF EXISTING IMPROVEMENTS

- A. Replace in kind all pavement or other improvements removed or damaged due to the installation of concrete improvements.
- B. Remove, landscaping or plantings damaged or disturbed due to the installation of concrete improvements. Replace in kind.

END OF SECTION 320523

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 57  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	033010 & 321313	DRAWING NUMBER:	1,2/C3.0, L5.50
<b>REQUESTED CLARIFICATION:</b>  Increment #2 - Specification Section 033010 par. 2.10-D calls for 3000 psi and Section 321313 par. 2.8-B-1 calls for 3000 psi, however Details 1,2/C3.0 Notes 1 calls for 4200 psi, Pavement Legend Notes 4 and L5.50 Hardscape Notes V also call out 4200 psi. Please confirm the site concrete paving compressive strength that the bidders are to base the bid upon.			
<b>RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:</b>  Please use 4200 psi for concrete paving.			
RESPONSE PROVIDED BY:	Stuart Szuch, BKF Engineers	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **58**  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	312300 par. 1.1-A, 033010 par. 2.13-A 321313 par. 2.4-A	DRAWING NUMBER:	

**REQUESTED CLARIFICATION:**

Increment #2 - Specification Section 312300 par. 1.1-A - includes a reference to Soil Sterilant. Please confirm if this is required. If required, provide the specific locations and product for the bidders to include.

Note that Specification Section 033010 par. 2.13-A calls for Surflan under Concrete for Landscape, and Section 321313 par. 2.4-A calls for Surflan at Site Concrete Paving, thus please confirm Surflan is required below site concrete paving.

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

**Part One:**  
References Soil Sterilant has been removed from Section 312300.

**Part Two:**  
The use of Surflan below site concrete paving per DSA approved Spec Sections 033010 and 321313 is required.

RESPONSE PROVIDED BY:	<b>Jared Bohanus, RLA</b>	DATE:	<b>10/01/18</b>
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 59  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	L5.50
REQUESTED CLARIFICATION:			
Increment #2 - Sheet L5.50 - Hardscape Note B - Please confirm the "Unit Cost for import soil." noted in Note B is the same unit cost you are requesting in Specific Allowance #4 of the RFP.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
Note B has been removed from the drawings. The specific request allowance #4 of the RFP is still required.			
RESPONSE PROVIDED BY:	Jared Bohonus / RLA	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 60  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	323118, 323119	DRAWING NUMBER:	
<b>REQUESTED CLARIFICATION:</b>			
Increment #2 - Specification Sections 323118 & 323119 - Please confirm which specification section the bidders are to base Sheets L5.20 thru L5.40 upon for the Metal Fences & Gates.  Note that Section 323118 par. 2.1-A lists 4 manufacturers & an "or equal", yet Section 323119 par. 2.5-A-1 lists 4 completely different manufacturers and does not list an "or equal". Please confirm which of these manufacturers are pre-approved.			
<b>RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:</b>			
<b>REMOVE SPECIFICATION SECTION 323119 IN ITS ENTIRETY.</b>			
RESPONSE PROVIDED BY:	Julia D. Jones / hpi	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **61**  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	323119 par. 2.7-B	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
Increment #2 - Specification Section 323119 par. 2.7-B references specification section 110513 Common Motor Requirements for Equipment, however this section was not provided. Please provide missing specification section or remove the incorrect reference.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
<b>SPECIFICATION SECTION 323119 HAS BEEN REMOVED IN ITS ENTIRETY. GATES/FENCES HAVE NO MOTOR(S)</b>			
RESPONSE PROVIDED BY:	<b>Julia D. Jones / hpi</b>	DATE:	<b>10/01/18</b>

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*



**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 62  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/25/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	E0.01

**REQUESTED CLARIFICATION:**

Increment #2 - Sheet E0.01 The same junction box symbol is used for both the "surface mounted junction box" and the "floor/ceiling mounted junction box". Please advise which of these devices is to use the original symbol and provide the correct symbol for the other device type.

- 20A, 120V SINGLE RECEPTACLE - SURFACE MOUNTED
- JUNCTION BOX - SURFACE MOUNTED
- 20A, 120V DUPLEX - FLOOR OR CEILING MOUNTED
- 20A, 120V QUAD - FLOOR OR CEILING MOUNTED
- 20A, 120V GROUND FAULT CIRCUIT INTERRUPTER - FLOOR OR CEILING MOUNTED
- 20A, 120V DEDICATED - FLOOR OR CEILING MOUNTED
- 20A, 120V SWITCHED RECEPTACLE - FLOOR OR CEILING MOUNTED
- 20A, 120V SINGLE RECEPTACLE - FLOOR OR CEILING MOUNTED
- JUNCTION BOX - FLOOR OR CEILING MOUNTED
- FIRE-RATED POKE-THROUGH TYPE DUPLEX RECEPTACLE
- FIRE-RATED POKE-THROUGH TYPE QUAD RECEPTACLE

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

**THE SURFACE MOUNT JUNCTION BOX IS NOT USED ON THIS PROJECT, REMOVE FROM THE LEGEND.**

RESPONSE PROVIDED BY:	Melissa Klug, P2S	DATE:	10/01/18
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #**  
*(RSCCD USE ONLY):*

**63**

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	311000 par. 1.1-A-4 & 3.6	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
Increment #2 - Specification Section 311000 par. 1.1-A-4 & 3.6 refers to Topsoil Stripping, please confirm if Topsoil Stripping is required for this project.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
<b>TOPSOIL STRIPPING WILL NOT BE A PART OF THIS PROJECT. REMOVE REFERENCES IN SPECIFICATION 311000 PAR. 1.1-A.4 AND PAR 3. 3.6.</b>			
RESPONSE PROVIDED BY:	<b>Jared Bohomus / RLA</b>	DATE:	<b>10/01/18</b>

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **64**  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	311000 par. 3.3-A 329113 par. 3.7-A	DRAWING NUMBER:	
<b>REQUESTED CLARIFICATION:</b> Increment #2 - Specification Section 311000 par. 3.3-A - references Section 015639 Temporary Tree and Plant Protection, however this specification section was not provided. Specification Section 329113 par. 3.7-A also references Section 015639. Please provide the missing specification or remove the references in Specs 311000 & 329113.			
<b>RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:</b>  <b>REMOVE REFERENCES TO SPEC SECTION 015639 TEMPORARY TREE AND PLANT PROTECTION FROM SPECIFICATIONS 311000 AND 329113</b>			
RESPONSE PROVIDED BY:	<b>Jared Bohomus / RLA</b>	DATE:	<b>10/01/18</b>

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 65  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	033010 & 321313	DRAWING NUMBER:	
<b>REQUESTED CLARIFICATION:</b>			
Increment #2 - Please confirm the difference between Sections 033010 & 321313. Please indicate which section supersedes the other regarding any conflicts.			
<b>RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:</b>			
Section 033010 is for non-structural Landscape walls (Low Walls). Section 321313 is for non-structural Landscape concrete paving (Architectural Concrete Paving).			
RESPONSE PROVIDED BY:	Jared Bohomus / RLA	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 66  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	L5.50
REQUESTED CLARIFICATION:			
Increment #2 - Sheet L5.50 - Detail D - Legend Note 1 calls for "continuous painted 1.5-inch round standard stainless steel pipe..." Please confirm if the Base Bid Galvanized pipe railing is to be painted or not. If not, delete that call out for paint. Note that Details A, C, D do not refer to "paint" at the rails.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
<b>LEGEND NOTES 1, 2, 3/D-L5.50 TO READ "HOT DIPPED GALVANIZED 1.5"..." NO PAINT. DETAILS A, B, C/L5.50 TO READ "HOT DIPPED GALVANIZED 1.5"..." IN LIEU OF STAINLESS STEEL.</b>			
RESPONSE PROVIDED BY:	<b>Jared Bohomus / RLA</b>		DATE: <b>10/01/18</b>

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **67**  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	033010 & 321313	DRAWING NUMBER:	1,2/C3.0, L5.50

**REQUESTED CLARIFICATION:**

Increment #2 - Specification Section 033010 par. 2.10-D calls for 3000 psi and Section 321313 par. 2.8-B-1 calls for 3000 psi, however Details 1,2/C3.0 Notes 1 calls for 4200 psi, Pavement Legend Notes 4 and L5.50 Hardscape Notes V also call out 4200 psi. Please confirm the site concrete paving compressive strength that the bidders are to base the bid upon.

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

**FOR LOW LANDSCAPE WALLS (NON-STRUCTURAL) 3000 PSI IS ACCEPTABLE PER SPEC SECTION 033010. EXTERIOR CONCRETE PAVING TO BE 4200 PSI.**

RESPONSE PROVIDED BY:	<b>Jared Bohonus/ RLA</b>	DATE:	<b>10/01/18</b>
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **68**  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	321400	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
Increment #2 - Specification Section 321400 - Please provide the location of Unit Pavers - Mortar Set on this project as none can be found on the drawings. If none are to be provided please remove this specification section.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
Spec Section 321400 for Unit Pavers is no longer applicable for this project and should be removed.			
RESPONSE PROVIDED BY:	Jared Bohomus / RLA	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 69  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018			
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com	
SPECIFICATION NUMBER:		DRAWING NUMBER:	L2.20, E0.3	
<b>REQUESTED CLARIFICATION:</b>				
Increment #2 - Sheet L2.20 - Lighting Legend - The Sculpture Uplight is listed as Lumiis SQ600, however E0.3 Exterior Fixtures S9 calls for Vista Lighting #1057 (or an option by Ligman UOD-5001). Confirm that the E0.3 fixtures supersede the L2.20 when they conflict, or are there 3 options to choose from.				
<b>RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:</b>				
Confirmed. Electrical sheet E0.3 will supersede Sheet L2.20 for fixture make, model, and quantity.				
RESPONSE PROVIDED BY:	Jared Bohonus / RLA		DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*



**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

PBC # **70**  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	012300	DRAWING NUMBER:	Sheet L2.30 & Details A-D/L5.50

**REQUESTED CLARIFICATION:**

Increment #2 - Sheet L2.30 - Detail 4 - At the lower-right is a callout for Keynote 19-F2 which is described as Tube Steel Guardrail at Loading Dock, however this is not a loading dock and appears to be similar to L1.20 which has three locations calling for Keynote 26-F2. Please confirm this Keynote on L2.30 should be Keynote 26 instead of Keynote 19.

Also Keynote 26 refers to Details A-D/L5.50 all of which call out this guardrail as "1.5-inch round Stainless Steel standard pipe", but Type F2 in the finish schedule describe the same guardrail as Hot Dipped Galvanized as the Base Bid & Stainless Steel as an alternate bid. Please confirm that the base bid is to be Hot Dipped Galvanized guardrails. Also please confirm if an alternate is to be provided for Stainless Steel, as this alternate is not listed in Specification section 012300 or the requested Alternates Summary in the RFP.

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

Part One:

The walk and curb at this location are existing to remain. The design intent is to install a new guardrail on top of the existing curb similar to details A-D on sheet L5.50. The keynote on sheet L2.30 has been revised.

Part Two:

Guardrails to be hot dipped galvanized. Details has been revised to remove reference to stainless steel.

RESPONSE PROVIDED BY:	<b>Jared Bohonus / RLA</b>	DATE:	<b>10/01/18</b>
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**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **71**  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018			
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com	
SPECIFICATION NUMBER:		DRAWING NUMBER:	L5.10, L1.10, L2.20	
<b>REQUESTED CLARIFICATION:</b> Increment #2 - Sheet L5.10 - Detail H - The width of the Concrete Maintenance Band is listed as "per plan", however the site plans on L1.10 & L2.20 do not list a dimension for the Keynote 12-P2 callout. Note that this maintenance band scales to 2'-8" wide. Please provide width of the Concrete Maintenance Band.				
<b>RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:</b>  <p align="center">Refer to sheets L3.10-L3.30 for hardscape layout dimensions.</p>				
RESPONSE PROVIDED BY:	Jared Bohonus / RLA		DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 72  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	L11.10

**REQUESTED CLARIFICATION:**

Increment #2 - Sheet L11.10 - Site Furnishings Legend, S1 - The quantity is called out as 45, however there are 43 shown on the Site Details. Please confirm which quantity the bidders are to base this 4-seat table upon.

Increment #2 - Sheet L11.10 - Site Furnishings Legend, S3 - The quantity is called out as 42, however there are 43 shown on the Site Details. Please confirm which quantity the bidders are to base this 2-seat table upon.

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

Part One:  
The count of Furniture type S1 has been revised to 43.

Part Two:  
The count of Furniture type S3 currently shows 42.

RESPONSE PROVIDED BY:	Jared Bohomus / RLA	DATE:	10/01/18
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **73**  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	L9.10
REQUESTED CLARIFICATION:			
Increment #2 - Sheet L9.10 - Tree Plant Palette - The Maverick Hybrid Honey Mesquite is called as 9 each, however there are 10 shown on the Site Plan (left side of the building). Please confirm the quantity should be 10 each.			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
<b>Confirmed. The quantity of Mesquite trees is 10. Drawings have been revised.</b>			
RESPONSE PROVIDED BY:	<b>Jared Bohunus / RLA</b>	DATE:	<b>10/01/18</b>

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 74  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	L11.10 & 4/L2.30
REQUESTED CLARIFICATION:			
Increment #2 - Sheet L11.10 - Site Furnishings Legend, S6 - The round tree grate is called out as 6-foot round, however the details on Sheet L11.10 & Detail 4/L2.30 scale the round tree grate as 5-foot. Please confirm if the round tree grate is to be 6-foot or 5-foot round. (Note the 6-foot square tree grate scales as 6-foot)			
RESPONSE TO CLARIFICATION, <b>SUBMITTED AS PART OF AN ADDENDUM:</b>			
Round tree grates to be 6' diameter per Site Furnishings Schedule.			
RESPONSE PROVIDED BY:	Jared Bohomus / RLA	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

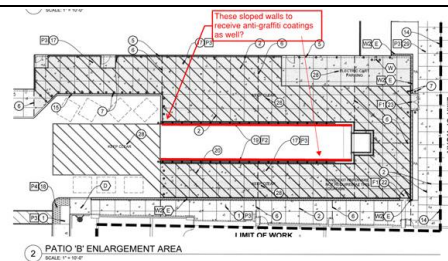
PBC # **75**  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/20/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	L2.10

**REQUESTED CLARIFICATION:**

Increment #2 - Detail 2/L2.10 shows the sloped loading dock area with gradually rising walls along north and south sides of the loading dock. Please review and advise if these walls should receive anti-graffiti coating? See markup for exact locations.



**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

**Confirmed. Exposed portions of loading dock wall to receive anti-graffiti coating.**

RESPONSE PROVIDED BY:	<b>Jared Bohomus / RLA</b>	DATE:	<b>10/01/18</b>
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 76  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/20/2018			
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com	
SPECIFICATION NUMBER:		DRAWING NUMBER:	L2.20	
<b>REQUESTED CLARIFICATION:</b>				
Increment #2 - Note C at the bottom of sheet L2.20 states that at the end of construction walls will receive an anti-graffiti coating on all visible portions. It is clear that this applies to W2 (CMU Walls), however please confirm that low wall, type W1, are also required to receive the anti-graffiti coating.				
<b>RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:</b>				
Low walls (Wall Type W1) are not receive anti-graffiti coating. Low walls to receive clear liquid surface sealer (HLQ-125) by Sinak Corporation or approved equal per Spec. Section 033010.				
RESPONSE PROVIDED BY:	Jared Bohomus / RLA		DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

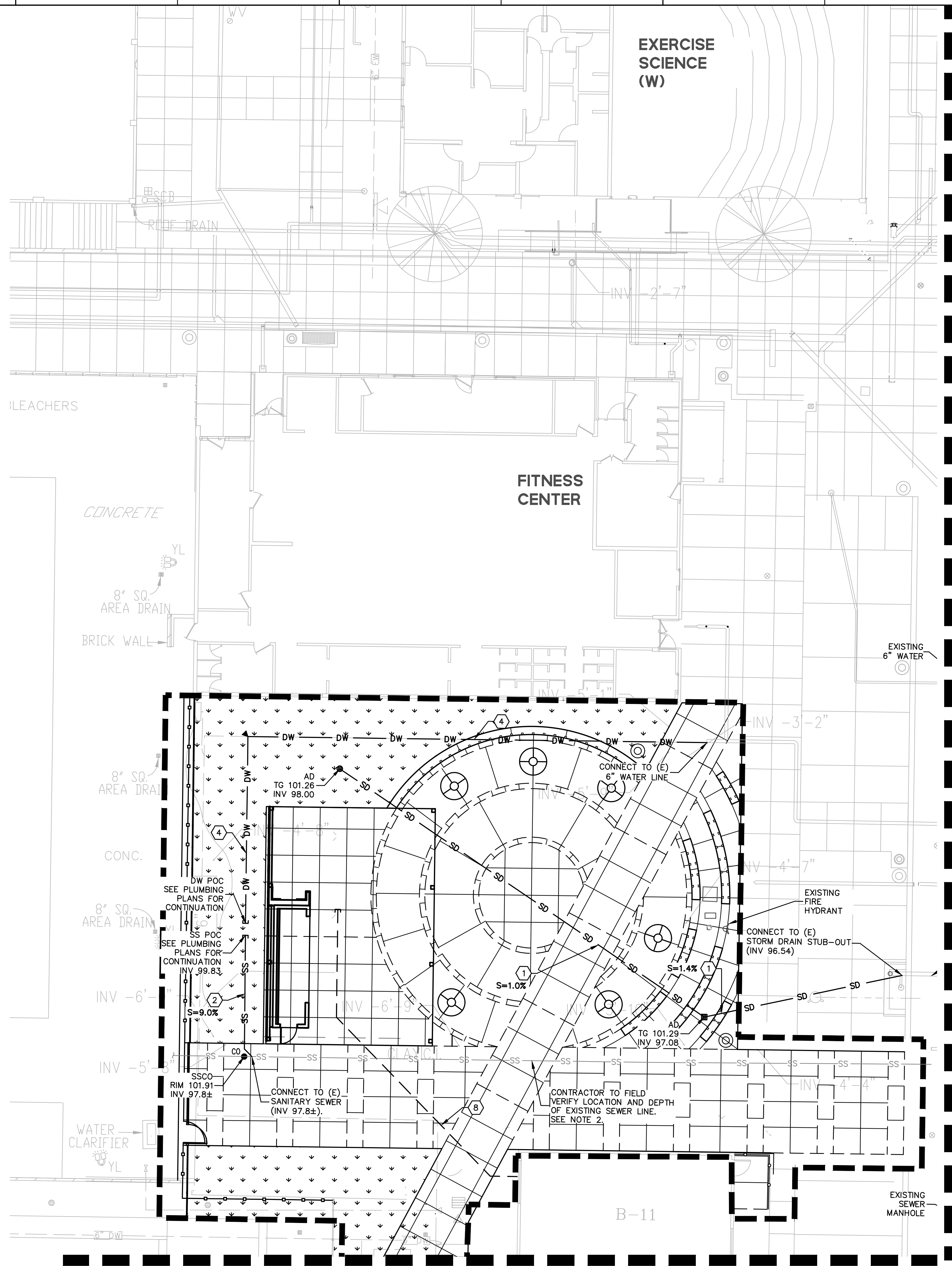
**PBC #** 77  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/18/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:		DRAWING NUMBER:	C5.4, E1.11, LV0.05
<b>REQUESTED CLARIFICATION:</b>			
<p>Increment #2 - Sheet C5.4 - Utility Keynote 8 - This keynote calls for concrete conduit per A/C5.4 which shows three 4-inch conduits (telephone-data-electric), however 1/E1.11 Keynote 12 calls for a 1.5-inch conduit for new Panel 1PB and is shown in a different location. Please confirm if this is an additional conduit to be included with the 3-4" conduits.</p> <p>Furthermore LV0.05 Specific Plan Note 7 calls for a 2-inch conduit, and Note 8 calls for a 3x2 hand hole that is not shown on C5.4, Note 14 calls for a 1-inch conduit as well. Please coordinate these three drawings and correct as necessary.</p>			
<b>RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:</b>			
<p>Please see response from MEP Engineer if additional conduit.</p> <p>Sheet C5.4, detail A revised to show one conduit in concrete. Sheet C5.4 shows low voltage line as a reference, please use Low Voltage and Security Plans for layout, sizes, and details.</p>			
RESPONSE PROVIDED BY:	Stuart Szuch, BKF Engineers	DATE:	10/01/18

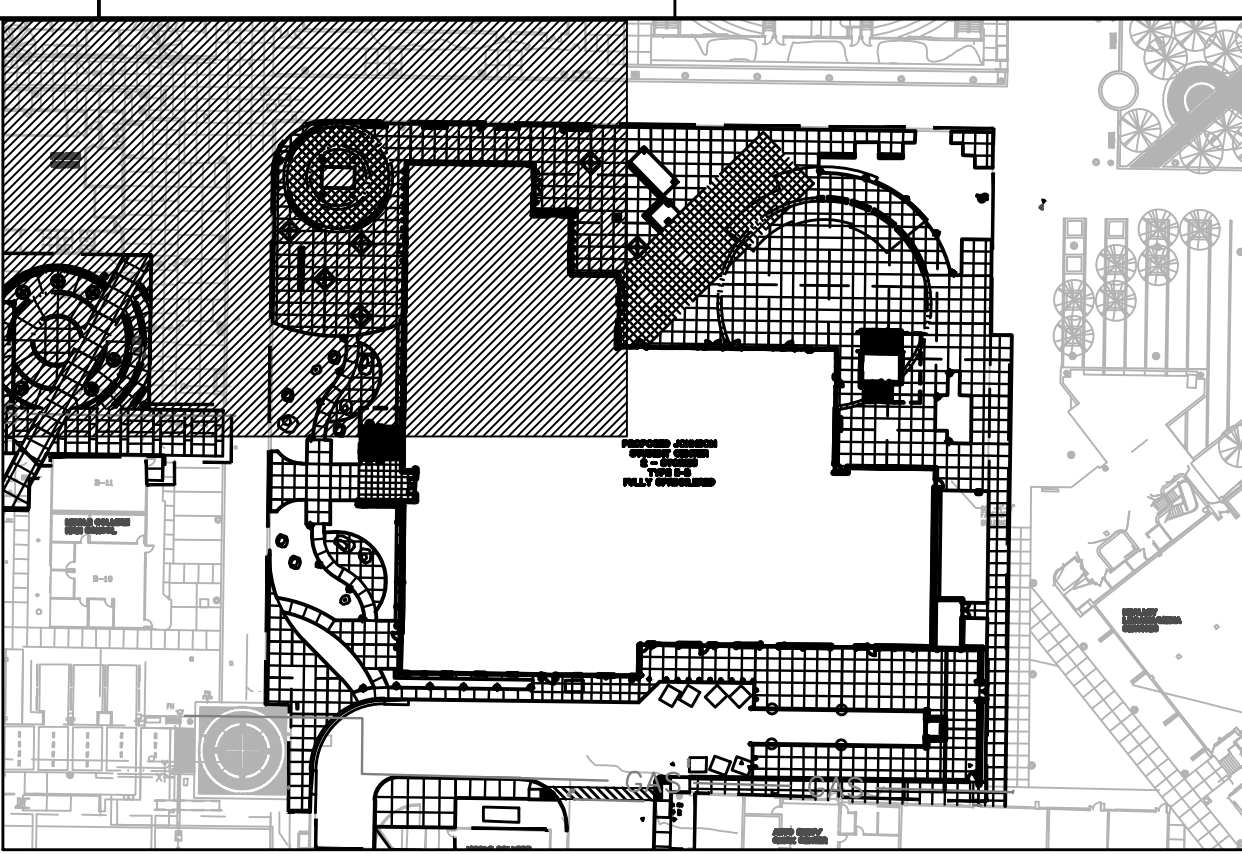
*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*





MATCHLINE, SEE SHEET C5.5

MATCHLINE, SEE SHEET C5.2



UTILITY KEYNOTES:

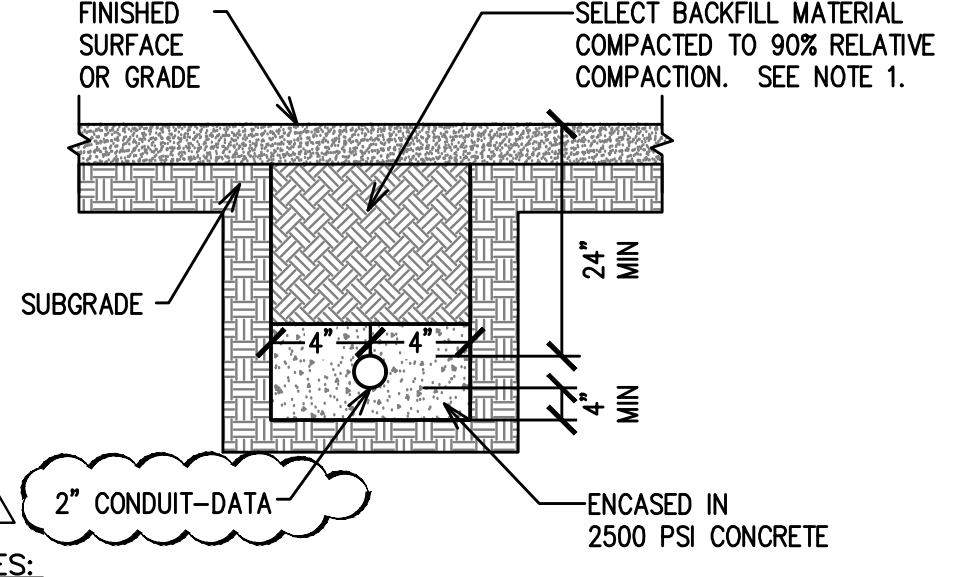
- ① 4" SDR35 PVC PIPE AND FITTINGS.
- ② 6" SDR35 PVC PIPE AND FITTINGS.
- ③ 8" SDR35 PVC PIPE AND FITTINGS.
- ④ 3" C900 PVC PIPE AND FITTINGS.
- ⑤ 6" DR14 C900 PVC PIPE AND FITTINGS.
- ⑥ 4"x6" REDUCER
- ⑦ RELOCATE EXISTING FIRE HYDRANT ASSEMBLY
- ⑧ CONSTRUCT CONCRETE CONDUIT PER DETAIL A, SEE SHEET C5.4. SEE UTILITY NOTE 5

UTILITY NOTES:

1. CONTRACTOR SHALL FIELD VERIFY LOCATION OF DOMESTIC WATER SERVICE AND CONNECT UPSTREAM OF (E) BFP.
2. SEE LANDSCAPE IRRIGATION PLANS FOR DESIGN SPECIFICATIONS.
3. CONTRACTOR TO CONTACT USA AT (800) 247-2800 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, UTILITY REMOVAL AND RELOCATION.
4. (N) FIRE WATER LINE SHALL HAVE THRUST BLOCKING ACCORDING TO DETAIL 6 SHEET C7.0
5. CONTRACTOR SHALL FIELD VERIFY CONNECTION TO EXISTING MDF ROOM IN EXISTING BUILDING "B." CONDUIT SHOWN AS REFERENCE, PLEASE SEE LOW VOLTAGE AND SECURITY PLANS FOR CONDUIT LAYOUT, SIZES, AND DETAILS.
6. ALL FIRE WATER LINE TRENCHING SHALL BE PER DETAIL 3, SHEET C5.3

UTILITY LEGEND:

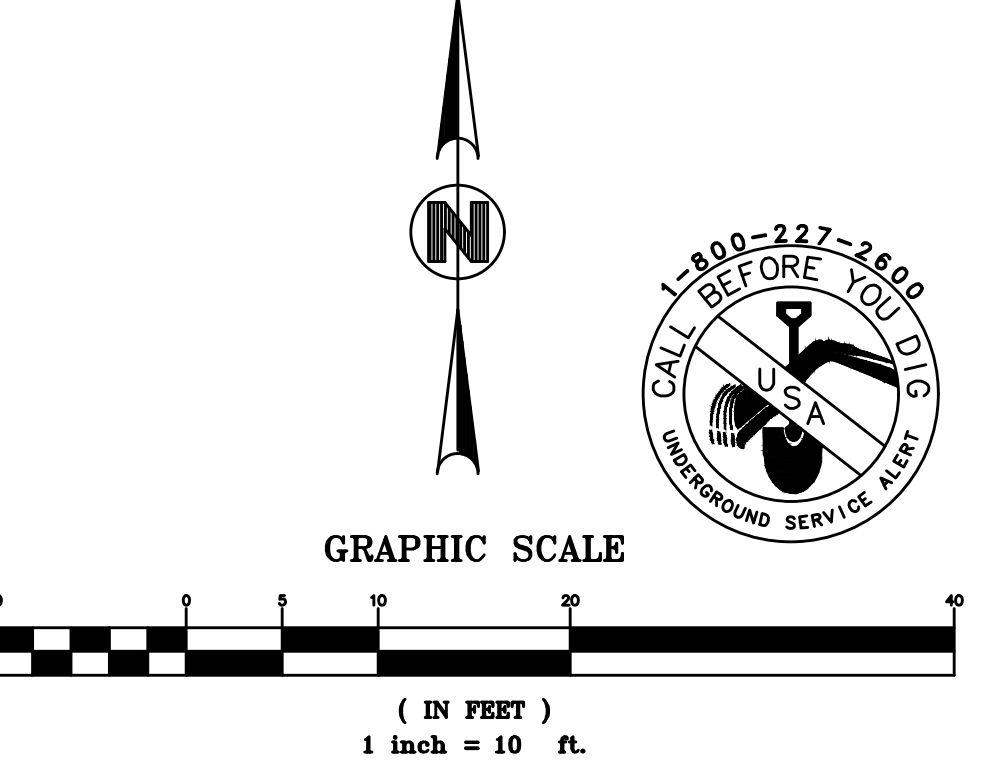
- SD SDR 35 PVC STORM DRAIN PIPE (UNLESS OTHERWISE NOTED)
- SS PVC SANITARY SEWER
- FW C900 PVC FIRE WATER
- DW C900 PVC DOMESTIC WATER
- 24"x24" CATCH BASIN WITH INLET GRATE PER DETAIL 3/C7.0
- 24"x24" CATCH BASIN WITH SOLID COVER PER DETAIL 3/C7.0
- SD/SS CLEANOUT PER DETAIL 5/C7.0
- AD ATRIUM AREA DRAIN PER DETAIL 1/C7.0
- AD AREA DRAIN W/ SQUARE GRATE PER DETAIL 2/C7.0
- FDC FIRE DEPARTMENT CONNECTION (FDC) PER DETAIL 1/C5.3
- PIV POST INDICATOR VALVE (PIV) PER DETAIL 2/C5.3
- 6" WIDE TRENCH DRAIN PER DETAIL 4/C7.0
- GREASE INTERCEPTOR PER PLUMBING PLANS
- FH FIRE HYDRANT
- ▲ THRUST BLOCK PER DETAIL 6/C7.0
- AD AREA DRAIN
- ADT ATRIUM AREA DRAIN
- (E) EXISTING
- INV INVERT
- S SLOPE
- TG TOP OF GRATE
- WV WATER VALVE
- GAS 2 1/2" GAS LINE PER PLUMBING PLANS
- STORM DRAIN MANHOLE PER DETAIL B/C5.2



- NOTES:
1. SELECT BACKFILL MATERIAL - MATERIAL FROM EXCAVATION, FREE FROM STONES OR LUMPS EXCEEDING 3" IN GREATEST DIMENSION, VEGETABLE MATTER, OR UNSATISFACTORY MATERIAL.

A DRY UTILITIES JOINT TRENCH

SCALE: NOT TO SCALE



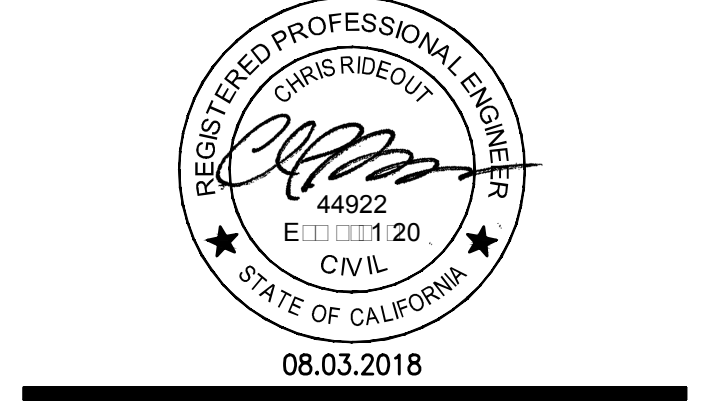
architecture

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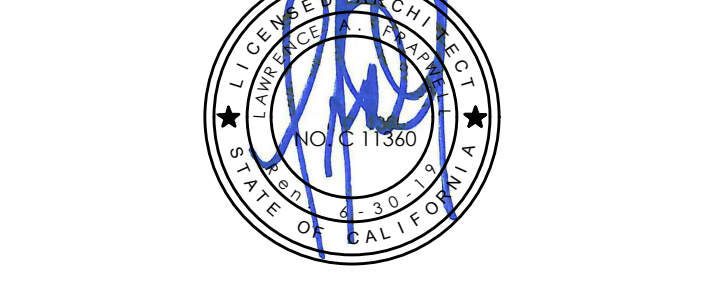
115 22nd street  
Newport Beach, CA 92663

o: 949.675.6442

CONSULTANTS



SEALS / APPROVALS



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
FILE: 30-C2  
A# 04-116810

AC FLS SS

DATE

PROJECT TITLE

JOHNSON STUDENT CENTER  
INCREMENT 2  
1530 W 17TH ST SANTA ANA CA 92706



SUBMITTALS	
#	DESCRIPTION
08/13/2018	CSA FINAL SUBMITTAL
10/01/2018	ADDENDUM 4

PROJECT IDENTIFICATION Project Number

THESE DRAWINGS ORIGINALLY CREATED IN AUTOCAD REVIT V. 2016 U.S.A.  
THE ORIGINAL SIZE OF THIS SHEET IS 30" X 42"

DRAWN BY MS / AMF

CHECKED BY LP

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SHEET TITLE

UTILITY PLAN

SHEET NUMBER

C5.4

CONSTRUCTION DOCUMENTS



**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** **78**  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/24/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	114000	DRAWING NUMBER:	FS-202
<b>REQUESTED CLARIFICATION:</b>			
<p>Increment #2 - Reference Spec Section 114000-1.4.F.3 and 114000-3.5, drawings FS-201 and 202</p> <p>Spec Section 11 40 00-1.4.F.3 indicates that should there be a conflict between the drawings and the specifications, the specifications shall govern. Below are equipment items that are conflicting between the specifications section 11 40 00-3.5 and the drawings with regards to electrical requirements.</p> <p>The specs call for NEMA 5-20P for item #5-01 Cabinet, Enclosed, Bun/Food Pan (NIC). The equipment schedule calls for NEMA 5-15P for item #5-01. Please confirm that the specifications govern and NEMA 5-20P is required.</p>			
<b>RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:</b>			
<p>Per drawings dated 8/13/15 DSA Final Submittal, Equipment schedule for Item 5-01 calls for a NEMA 5-20P 20AMP Service Required.</p>			
RESPONSE PROVIDED BY:	Valerie Ghabour / WD	DATE:	10/01/18

*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 3**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 79  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1819-224 Johnson Student Center at Santa Ana College		
PROJECT NUMBER:	3035	DSA NUMBER:	Demolition, #04-116810 INC 1 and INC 2
EMAIL:	FacilitiesRFP@rsccd.edu		

DATE:	09/24/2018		
FROM:	S.Monsen - McCarthy	EMAIL:	SMonsen@McCarthy.com
SPECIFICATION NUMBER:	114000	DRAWING NUMBER:	FS-101, FS-102, FS-201 & FS-202

**REQUESTED CLARIFICATION:**

Increment #2 - Reference Spec Section 11 40 00-1.4.F.3 and 11 40 00-3.5, drawings FS-101, 102, 201 and 202  
Spec Section 11 40 00-1.4.F.3 indicated that should there be a conflict between the drawings and the specifications, the specifications shall govern.

Please confirm that the specifications govern for the following items:

1. Spec Item #4-10 calls for three (3) Corner Guards and Item #4-13 calls for One (1) Bumper Rails. Drawing FS-1.02 room J220 and the equipment schedule on drawing FS-202 calls for Two (2) Corner Guards Item #4-10 and Four (4) Bumper Rails – Item #4-13. Please clarify and confirm bidders are to follow the specifications.
2. Spec Item #1-01 calls for Air Curtain model N236-1UA-TS. Equipment Schedule drawing FS-201 calls for Air Curtain Model 242-1UA-TS. Please clarify and confirm bidders are to follow the specifications.
3. Spec Item #1-37 calls for Range model SX36-6B. The equipment schedule drawing FS-201 calls for Range model 36S-6BN. Please clarify and confirm bidders are to follow the specifications.

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

1. Item 4-10 should be 2 corner guards. Item 4-13 on the plans show the location and the specs call out a lot with a leaner dimension. 2. Item 1-01 should be model 242-1UA-TS per the drawings. 3. Item 1-37 model should be 36S-6BN per the drawings.

RESPONSE PROVIDED BY:	Valerie Ghabour / WD	DATE:	10/01/18
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**MASTER PBC Log**

PROJECT: Rancho Santiago Community College District Santa Ana College - Johnson Student Center Building Demolition, Increment 1 and 2 DSA #04-116810-1 DSA #04-116810-2											
PBC #	GC	Addendum	Package(s)	TRADE/CATEGORY	SHEET / SECTION	DETAIL / PAGE	QUESTION / COMMENT	ISSUED TO DESIGN TEAM	RESPONSE TO COMMENT	Addendum Date	Consultant
1	MCC1	2	Increment 2	Campus Store Design	CS2.02, CS6.10		Sheet CS2.02 Equipment Schedules lists Mannequins and Public Guidance and references Sheet CS6.10, however no quantity is provided in the QTY column. Sheet CS6.10 provides a specification for the Mannequins and the Public guidance products. Please confirm that these items are to be provided as part of the GMP.	9/13/18	REFER TO SHEET CS6.10, LISTED AS PHM-1, PHF-1 AND PHF-2 FOR QUANTITIES TO PROVIDE.	9/17/2018	NBCI
2	MCC2	2	Building Demo	Civil	C1.00		Bldg. Demo - Sheet C1.00, Sewer Demolition Notes 1 - Confirm that the bidders are to assume that connection to BLDG L has been established and are to exclude any work to "reroute existing sewer as required".	9/13/18	ALL BUILDINGS TO THE EAST, INCLUDING BLDG L HAVE BEEN ESTABLISHED (connected). THEREFORE REMOVE/DEMO EXISTING SEWER WITHIN BOUNDARY.	9/17/2018	CM
3	MCC3	2	Building Demo	Civil	C1.00		Bldg. Demo - Sheet C1.00, Grading Notes 1 - Confirm the Soils Engineer has approved the existing base rock under concrete can be re-used or not.	9/13/18	REMOVE/STRIKE REFERENCE OF "BASE ROCK UNDER CONCRETE CAN BE REUSED AS A GENERAL FILL IF APPROVED BY SOILS ENGINEER". REFER TO INCREMENT 2 FOR DESIGN OF ENGINEERED FILL AND GEO-TECH REPORT DATED NOVEMBER 21, 2016.	9/17/2018	GeoTech
4	MCC4	2	Building Demo	Civil/Arch	C1.00, A0.01, A0.02		Bldg. Demo - Sheet C1.00, Grading Notes 1 - The bidders are to assume 4-inch of concrete over 6-inch base, however Sheets A0.01 & A0.02 Legend - Demolition Site Plan calls for the upper "gray" shaded areas to assume 6-inch of concrete over 6-inch base. Confirm which thickness supersedes the other.	9/13/18	REFER TO A0.01 and A0.02 AND ASSUME 6" OVER 6". REVISE SHEET C1.00, GRADING NOTE 1 TO ASSUME 6" OF CONC...	9/17/2018	H&F/hpi
5	MCC5	2	Building Demo	Civil	C1.00		Bldg. Demo - Sheet C1.00, General Note 6 - Confirm that the bidders are to include laying 2-inch thick crushed aggregate base over the entire demolition area, and if so that this base is assumed to be included in the calculations of the final rough grade elevations.	9/13/18	REMOVE GENERAL NOTE 6. THIS WILL NOT BE REQUIRED SINCE ALL 3 PACKAGES WILL BE CONSTRUCTED TOGETHER.	9/17/2018	BKF
6	MCC6	2	Building Demo	Arch/District	A0.01, A0.02		Bldg. Demo - Sheet A0.01 & A0.02, Demolition General Note 6 - Confirm that the bidders are to include salvage of the "cameras, WAPs, and network gear", and if so provide the quantity, types, models, limits, details, specifications, packing expectations, delivery location(s), warranty, and any other information necessary, or possibly delete this note and have the District remove these devices prior to mobilization by the GC, or we suggest including a stipulated allowance for this work.	9/13/18	DISTRICT WILL BE REMOVING/SALVAGING CAMERAS, WAPs AND NETWORK GEAR PRIOR TO MOBILIZATION BY GC.	9/17/2018	hpi/District
7	MCC7	2	Building Demo	Arch/District/Elec	ED1.01		Bldg. Demo - Sheet ED1.01, Demolition Note 7-C - If bidders are to include salvage of any items, please provide a list with quantities to the bidders.	9/13/18	REMOVE DEMOLITION NOTE 7-C IN ITS ENTIRETY. DISTRICT HAS REMOVED ANY/ALL ITEMS.	9/17/2018	District
8	MCC8	2	Building Demo	Elec/District	ED1.01		Bldg. Demo - Sheet ED1.01, "Square" Notes 15 - Confirm that D4 Contractors are subcontracted directly by the owner.	9/13/18	REVISED NOTE TO REMOVE "D4" CONTRACTOR AND TO READ "CONTRACTOR TO pull back....". REFER TO ATTACHED REVISED SHEET ED1.01.	9/17/2018	P2s/District
	MCC9		Increment 2	Arch/District/Civil	C1.0D, A0.00D	<a href="#">McCarthy9-PBC.PDF.pdf</a>	Increment #1 - Sheet C1.0D, Demolition Keynote 5 - The Pile Caps are each listed with a Demo Keynote 5 and a depth "D", however when comparing with Detail 1/A0.00D there are 18 pile caps that do not match, please coordinate and confirm which supersedes the other. see attached marked up sketch.	9/13/18		9/24/2018	BKF/hpi
10	MCC10	2	Increment 2	Mechanical	Spec 23 05 93		Reference Specification 23 05 93 - Testing, Adjusting and Balancing for HVAC: 1.2,A,6 references vibration tests, however, there are no procedures, requirements addressed in the balance of the specification section. Confirm Vibration Testing is required and, if so, provide test and reporting requirements.	9/13/18	VIBRATION TESTS ARE NOT REQUIRED. REMOVE REFERENCE TO 23 05 93 PART 1, 1.2. A.6	9/17/2018	P2S
9	MCC11	3	Increment 2	Plumbing	13/A6.10, P2.21, P2.22	<a href="#">P2.12, P2.22</a>	Reference drawing A6.10, Detail 13 - Architectural drawing indicates trench drain at second floor, Stair 1, Keynote 221319.A4. Plumbing drawings P2.21 & P2.22 do not indicate a trench drain at this location. Please clarify	9/13/18	REFER TO ATTACHED REVISED PLUMBING SHEETS P2.12 & P2.22 SHOWING THE ADDED TRENCH DRAINS (TD-1) WITH ASSOCIATED PIPING AS PART OF ADDENDUM 3.	9/24/2018	P2S/hpi
11	MCC12	3	Increment 2	Architectural	24&27/G3.11	G3.12	The CMU at the Boiler room is called out to be precision block with the color "Shoreline". The CMU for the Service Yard Site wall is called out to be Split Face, however no color provided. Please provide a color for bidding purposes. Please provide a color and type of CMU for Lunch Shelter. The vehicular directional signage CMU call for CMU-6 however no spec can be found for this. It appears to be drawn as split face per detail 24&27/G3.11. Please confirm and provide the color.	9/14/18	a. SERVICE YARD TO BE SPLIT FACE COLOR "SHORELINE" b. PROVIDE: 8"h CMU, ANGELUS BLOCK - PRECISION "SHORELINE" c. PROVIDE: 8"h CMU, ORCO BLOCK CO/WHITE - SPLITFACE 2-SIDES, MEDIUM WEIGHT BELOW THE SQUARE PRE-CAST CONCRETE BLOCK PILASTER 2" CAP. REFER TO NEW DETAIL SHEET G3.12 FOR ADDITIONAL INFORMATION	9/24/2018	hpi
12	MCC13	3	Increment 2	Architectural	24/G3.11	G3.12	Detail 24/G3.11 calls for a Custom Tile inset flush to the CMU wall. We are assuming this should read Custom "Tile". Please confirm. Please also indicated who will provide this custom tile. If the contractor is to provide please provide details so it can be custom made.	9/14/18	ADDED DETAIL 13&14/G3.12 (NEW SHEET)	9/24/2018	hpi
13	MCC14	3	Increment 2	Architectural	24&27/G3.11	G3.12	Please provide a detailed section view of the aluminum monument sign shown in details 24&27/G3.11	9/14/18	ADDED DETAIL 17/G3.12 (NEW SHEET)	9/24/2018	hpi
14	MCC15	3	increment 2	Architectural	071910, A8.21		Specification Section 071910-2.1B - Concrete Floor Sealer list Scofield, Consolideck LS by Prosocon, Degussa or ChemMasters as acceptable manufacturers for concrete clear sealer. Sheet A8.21 Finish Schedule list Ardex as a manufacturer for Sealed Concrete. Please confirm that Ardex can be used as an "or equal" as they are no listed in the specification (071910-2.1B). Please also confirm Ardex can be added to the list of acceptable patching manufacturers (071910-2.1A).	9/18/18	ARDEX CONCRETE SEALER AND ARDEX PATCHING COMPOUND IS ACCEPTABLE AS AN APPROVED EQUAL.	9/24/2018	hpi
15	MCC16	3	Increment 2	Architectural	A8.30, A8.31		Doors J100-2A & J200-2A are called out as a Type D4 and Door J101-1A is called out as Type D3 on the Door Schedule however no D3 or D4 door is included in the Door Type Legend. Please either revise these doors in the schedule or provide the missing D3 and D4 door type.	9/18/18	REFER TO SHEET A8.41 REFERENCE STOREFRONT SF-3 FOR DOOR J100-2A, SF-7 FOR DOOR J200-2A. FOR DOOR J101-1A TO BE A TYPE B.	9/24/2018	hpi

**MASTER PBC Log**

PROJECT: Rancho Santiago Community College District Santa Ana College - Johnson Student Center Building Demolition, Increment 1 and 2 DSA #04-116810-1 DSA #04-116810-2											
PBC #	GC	Addendum	Package(s)	TRADE/CATEGORY	SHEET / SECTION	DETAIL / PAGE	QUESTION / COMMENT	ISSUED TO DESIGN TEAM	RESPONSE TO COMMENT	Addendum Date	Consultant
16	MCC17	3	Increment 2	Architectural	071909, 071920, 096816		Specification Section 071909-3.4C states "Do no allow floor coverings to be installed in areas above 3.0 pounds per ASTM F 1869 and pH levels greater than 10 or floor covering manufacturer's requirements." 1) The flooring specifications (Resilient Tile 096500 & linoleum 096517 call to "Provide barrier as specified in Division 7 Section "Concrete Moisture and Alkalinity Barrier" if test exceed floor covering limits." Since the concrete cannot be tested until it is constructed, we recommend the District include an allowance for concrete moisture and alkalinity barrier to level all bidders. 2) The Sheet Carpeting Specification 096816-1.05B calls for Powerbond Cushion installation which does not require moisture vapor emission rate (MVER) testing nor relative humidity (RH) testing provided that no free liquids are present. Please confirm that the Concrete Moisture and Alkalinity Barrier specification section 071920 does not apply to the carpeted areas.	9/18/18	1) ALLOWANCE FOR CONCRETE MOISTURE AND ALKALINITY BARRIER TO BE \$15,000.00 2) REFER TO SPECIFICATION SECTION 096816 PART 1, 1.05.B. IF THERE IS FREE LIQUIDS AND/OR MOISTURE STAINED CONCRETE OBSERVED A MVER AND RH TESTING MUST BE DONE.	9/24/2018	hpi
17	MCC18	3	Building Demo	Civil	C1.00		Building Demo - Sheet C1.00, Grading Note 2 refers to the City of Cerritos. Please confirm this should be Santa Ana instead.	9/18/18	CONFIRMED TO READ CITY OF "SANTA ANA" . REFER TO REVISED SHEET C1.00	9/24/2018	H&F
18	MCC19	3	Building Demo	Civil	C1.00		Building Demo - Sheet C1.00, Detail 1 - There are several utility structures & piping that are listed as "Protect in Place", however these will need to be removed. Please revise this drawing to show which specific utility items are to be protected in place & which are to be removed, especially those that are in the zone of the building over excavation.	9/18/18	REVISED SHEET C1.00 DETAIL 1 TO SHOW ALL WET/DRY UTILITIES AND ALL ASSOCIATED ACCESSORIES TO BE REMOVED IN THEIR ENTIRETY AND CUT BACK/CAPPED IF NECESSARY AT BOUNDARY OF CONSTRUCTION.	9/24/2018	H&F
19	MCC20	3	Building Demo	Civil	C2.00, C2.0-D, C6.0		Building Demo/Increment 1 - Sheets C2.00, C2.0-D, Please confirm that these Erosion Control & Grading Plans are assumed to be superseded by Increment 2, Sheet C6.0	9/18/18	REMOVE SHEET C2.00 IN ITS ENTIRETY FROM THE BUILDING DEMOLITION PACKAGE. REFER TO INCREMENT 1 AND 2 FOR EROSION CONTROL & GRADING PLANS	9/24/2018	H&F/B&F
20	MCC29	3	Increment 2	Civil	033010, 321313		Increment #2 - Specification Section 033010 par., 1.2-E calls for a 3x3x8-inch sample of each site wall finish for review, and Section 321313 par., 1.2-C calls for a 4x4 job site sample of each paving finish. There are numerous existing site walls and new site paving recently installed on the campus, could these "in place" samples serve as a representative samples of finish types to match in lieu of a new mock-up, thus saving the District money.	9/18/18	PROVIDE MOCK-UPS PER SPECIFICATION SECTIONS (DSA APPROVED CONTRACT DOCUMENTS)	9/24/2018	hpi/District
21	MCC46	3	Increment 2	Landscape	L5.50		Increment 32 - Sheet L5.50, Mock-Up requirements - Confirm that the bidders are to provide these mock-ups since the existing site-work & site walls that were recently installed could serve as representative samples of finish types to match, thus saving the District money.	9/18/18	PROVIDE MOCK-UPS PER SPECIFICATION SECTIONS (DSA APPROVED CONTRACT DOCUMENTS)	9/24/2018	RLA/District
22	MCC51	3	Increment 2	Arch/Structural	A1.03, S5.11, 053123	21	Increment #2 - Sheet A1.03, Detail 21 - At the right, there is a callout for 053123.A2 and handwritten is "Deck D5 Type per 1/S5.11. Detail 1/S5.11 calls out D5 as Deep-Dek to be "(18 GA)", however Section 053123 par., 2.2-A-1 calls for this corrugated deck to be "20 Ga. or greater as determined by design". Please confirm that the bid is to be based upon 18 GA thick decking per the deck schedule on S5.11	9/18/18	Confirmed, provide D5 deck per detail 1/S5.11 (18GA).	9/24/2018	MHP/hpi
23	MCC52	3	Increment 2	Structural	S2.50	6/55.17	Increment #2 - Sheet S2.50, Detail A - The west lunch shelter is shown with an 18" concrete mat foundation. Detail 16/S4.11 does not show a mat foundation, however Detail 6/S5.17 does. Please confirm that Detail 6/S5.17 is the correct typical detail for these walls. Please also provide the TOF elevator for this Mat Foundation as well as slab edge details at the CMU walls (thickened edge?) and slab edge details at the door openings (transition to site concrete?)	9/18/18	DETAIL 6/S5.17 SHOWS THE CORRECT DETAILING FOR THE MAT FOUNDATION. MAT FOUNDATION TOP IS PER PLAN REF NOTE DIRECTING TO S2.11 - FOUNDATION PLAN NOTES / NOTE 8. SLAB EDGE PER PLAN REF DETAIL 16/S4.11 AT CMU WALL. PROVIDE DOWELING FOR SLAB EDGE AT OPENING TO MAT FOUNDATION SIMILAR TO DETAIL 1/S4.11.	9/24/2011	MHP
24	MCC53	3	Increment 2	Structural	S51.02.1		Increment #2 - Sheet S51.02.1 - Rear elevation, The reference call out to Detail F/A1.03 for the Shade footing should be Detail A/S51.03 instead.	9/18/18	Sheet S51.02.1 - Rear Elevation - The reference call out Detail F/A1.03 for the shade footing should be Detail F/S51.03	9/24/2018	MHP
25	MCC55	3	Increment 2	Electrical	E0.03		Increment #2 - Sheet E0.03, Exterior Fixtures S2 - Option 1 lists the model Ligman-FS-UEU-20286, however a search of the Ligman Lighting web site does not have this model, although there are some similar models which are #20281 thru #20286 is in production, and if not, provide the model that should be selected for this project.	9/18/18	Model UEU-20286 does exist and is on their website. Please see attached cut sheet downloaded from their website.	9/24/2018	P2s
26	MCC56	3	Increment 2	Architectural	A7.05, 055100, 055213, 057300	19/A9.71	Increment #2 - Sheet A7.05, Detail 4 - Keynote 055100.A9 calls for a 12" HIGH, 1 1/2" dia. Stainless Steel Pipe Rail and then it refers to detail 19/A9.71 which shows a much different guardrail condition. Please provide correct detail for this 12" high pipe rail with mounting details. Also Specialization section 055100 is for assembled steel stairs, stainless steel pipe rail. Please review and advise which specification section applies to this pipe rail (055213 or 057300 maybe?)	9/19/18	DETAIL REFERENCE IS 3/A9.72. KEYNOTE TO READ 055213.A9. SPECIFICATION FOR PIPE AND TUBE RAILING, INCLUDING SS RAILING USE 055213 PIPE AND TUBE RAILINGS	9/24/2018	hpi
27	MCC57	3	Increment 2	Architectural	A7.21, 055100	8	Increment #2 - Sheet A7.21, detail 8 - Keynote 055100.A8 calls for 1 1/2" dia Stainless Steel Pipe Rail. There is no elevation provided for this side of the room. Please provide details to clarify the height, length and mounting requirements. Also in Spec 055100 the correct spec to be used for this item.	9/19/18	DETAIL REFERENCE IS 3/A9.72. KEYNOTE TO READ 055213.A8. SPECIFICATION FOR PIPE AND TUBE RAILING, INCLUDING SS RAILING USE 055213 PIPE AND TUBE RAILINGS. PROVIDE LENGTH OF 19'-0" FROM CENTERLINE 2, RUNNING SOUTH	9/24/2018	hpi
28	MCC58	3	Increment 2	Architectural	A7.52	15/A9.71, 26&27/A9.71	Increment #2 - Sheet A7.52, Keynote 057300.A1 calls for Ornamental Metal Guardrail - Stainless Steel Top Rail & Post, Painted infill panel at the 2nd floor balcony. Detail 15/A9.71 is called out for this guardrail. This detail references details 26&27/A9.71. 1) These details call out a 1" thick post, but do not call out a stainless steel post. This should be corrected. 2) These details refer to drawings 20/S5.03 for post and stiffener plate size and connection. Sheet S5.03 does not exist. Please provide missing detail/sheet or correct this call out.	9/19/18	1) DETAILS 26/A9.71 NOTE REFERENCING 1" THICK STEEL POST TO READ "1" THICK STEEL POST STAINLESS STEEL". 2) DETAILS 26&27/A9.71 NOTE REVERSE TO READ "...STIFFENER PLATE SIZE AND CONNECTION SEE 11/S5.13". 1) DETAIL 27/A9.71 NOTE REFERENCING 1" THICK STEEL POST TO READ "1" THICK STEEL POST STAINLESS STEEL". REMOVE LEADER OF SAME NOTE THAT IS POINTING TO STRUCTURAL STIFFENER.	9/24/2018	hpi
29	MCC63	3	Increment 1 & 2	Architectural	ALL		Increment 1 & @ drawings have been provided in scanned format to bidders with handwritten notes. Is it possible to have a clean copy provided to bidders with handwritten notes incorporated into the test so that drawings are searchable.	9/20/18	THESE ARE DSA APPROVED DOCUMENTS, SO THEY WILL NOT BE REISSUED WITH TEXT AS REQUESTED.	9/24/2018	hpi

**MASTER PBC Log**

PROJECT: **Rancho Santiago Community College District**  
**Santa Ana College - Johnson Student Center Building Demolition, Increment 1 and 2**  
 DSA #04-116810-1  
 DSA #04-116810-2

PBC #	GC	Addendum	Package(s)	TRADE/CATEGORY	SHEET / SECTION	DETAIL / PAGE	QUESTION / COMMENT	ISSUED TO DESIGN TEAM	RESPONSE TO COMMENT	Addendum Date	Consultant
30	MCC69	3	Increment 2	Architectural	A8.20		Increment #2 - Please confirm that the room finish schedule on A8.20 takes precedence over the floor plans at conflicting locations. For example, Lounge room J208-4 shows RSF-4 flooring in the room finish schedule and RSF-2 on floor plan A8.11.	9/20/18	CONFIRMED. ROOM FINISH SCHEDULE ON A8.20 TAKES PRECEDENCE OVER FINISH FLOOR PLANS.	9/24/2018	hpi
31	MCC70	3	Increment 2	Architectural	A8.11		Increment #2 - the floor plan on A8.11 shows Stair 2 labeled with RST-1 landings and treads, however RST-1 is not found in the flooring legend. Should this call out be revised to RSF-1? Please clarify	9/20/18	YES. THIS SHOULD BE REVISED TO RSF-1	9/24/2018	hpi
32	MCC71	3	Increment 2	Architectural	A8.20		Increment #2 - Gender Neutral Restrooms J110-10, J110-15 & J110-18 show the use of coved tile base in elevations and details 16, 21, 27 & 28 on A7.02. The room finish schedule on A8.20 calls for RSB-2 base. Please clarify what base is required in these restrooms.	9/20/18	THE BASE THAT SHOULD BE USED IN ROOM J110-10, J110-15 AND J110-18 SHOULD BE THE RSB-2 (FORBO-INTERGRAL COVE BASE).	9/24/2018	hpi
33	MCC72	3	Increment 2	Architectural	A8.20		Increment #2 - Room finish Schedule A8.20 contains comment "Gyp-6 behind tile" for Gender Neutral restrooms J110-10, J110-15 and J110-18. No tile is shown in the finish schedule (FRP and Green board is call for). Please confirm that there is no tile in these three restrooms, and remove the comment stating Gyp 6.	9/20/18	CONFIRMED. THERE IS NO TILE IN THESE THREE ROOMS	9/24/2018	hpi
34	MCC73	3	Increment 2	Architectural	101123		Increment #2 - Specification Section 101123 par., 2.2-A.4 calls for "Series 5 by Claridge" and the Panel thickness is listed as 1 inch, however in a review of the Claridge website Series 5 lists the "O.A. panel thickness at approx. 1/2 inch". Please review and advise.	9/20/18	TACKBOARD: CLARIDGE SERIES 5 IS CORRECT PRODUCT, 1/2" CONFIRMED WITH 5/8" WIDE PERIMETER TRIM. SPECIFICATION SECTION PAR., 2.2-A.4 TO READ Panel Thickness: 1/2"	9/24/2018	hpi
35	MCC74	3	Increment 2	Architectural	101123		Increment #2 - Specification Section 101123 par., 2.3-A, B, C, D - These paragraphs are the exact same as in Section 101116 Markerboards, and appear to be specifications for the fabrication of Markerboards instead of Tackboards. Please review and correct as necessary.	9/20/18	REMOVE SPECIFICATION SECTION 101123 PAR., 2.3-B AND PAR., 2.4-A.	9/24/2018	hpi
36	MCC76	3	Increment 2	Architectural	A6.01	3	Increment #2 - Sheet A6.01, detail 3 - On the east wall of J221 Custodial is a callout for keynote 102813.B1 which is for a Bobrick B-29744, however Detail 25/A6.01 calls for Keynote 102813.A1 which is for a Bobrick B-39747 (or B-3974) instead. Please confirm which is correct	9/20/18	KEYNOTE ON 3/A6.01 TO READ 102813.A1	9/24/2018	hpi
37	MCC77	3	Increment 2	Architectural	A7.19		Increment #2 - Sheet A7.19, keynote 101123.A3, This keynote calls out an Acoustic Tackboards, however section 101123 does not specify an "acoustic tackboard" product. Please provide the specifications, mfr., product, details for this item of work.	9/20/18	ADD MANUFACTURER TO SPECIFICATION SECTION 101123 PAR., 2, 2.1-A ACOUSTIC TACKBOARD - BASIS OF DESIGN: ACOUSTICAL SOLUTIONS (ALPHASORB). ADD PRODUCT TO SPECIFICATION SECTION 101123 PAR., 2, 2.2-B Product: ALPHASORB BY ACOUSTICAL SOLUTIONS OR EQUAL: Sizes: up to 4' x 8' (nominal) Thickness: 7/8" (3/4" Micore + 1/8" Fiberglass) Tolerance: +/- 1/8" Core: 24 lb. per cubic foot mineral fiber core + 1/8" fiberglass Intended Use: Interior, sound absorption Fabric Finish: Guilford of Maine FR701 Style 2100 (other fabrics available as specified) Fire Rating: Class 1 or A per ASTM E84 Edge Detail: Square only Mounting options: nails and construction adhesive (provided by installer) NRC: 7/8" (0.60). ALUMINUM FRAME, REFER TO SPECIFICATION SECTION 101123 PAR., 2, 2.3-A	9/24/2018	hpi
38	MCC75	4	Increment 2	Architectural	102113		Increment #2 - Specification Section 102113 par., 2.3-A.1. Please provide a basis of bid color for the toilet partition HDPE panels.	9/20/18	THE COLOR OF THE TOILET PARTITIONS ARE TO BE NICKEL WITH A HAMMERED FINISH FROM SCRANTON HINY HIDERS	10/1/2018	hpi
39	MCC91	4	Increment 2	Architectural	A8.10		Increment #2 - The first floor finish plan Sheet A8.10 appears to show Elevators 1 & 2 with sealed concrete (SC) however no flooring type is specifically called out per the finish legend. Please confirm the desired floor finish inside the elevator is Sealed Concrete. If not provide what type of flooring should be provided in the elevators.	9/24/18	NO - ELEVATORS 1 & 2 WILL BE RSF-1	10/1/2018	hpi
40	MCC21	4	Building Demo	Architectural	A0.02, C2.0, C3.0		Building Demo/Increment 2 - Sheet A0.02, Detail #10 - at the upper-right is a callout for 4 bollards at an existing Fire Hydrant. Please confirm that these bollards are not required since they are part of the Building Demo drawings & are not shown on the more current Increment 2 drawings. If required, provide a callout on the Increment 2 drawings along with a detail reference.	9/18/18	TEMPORARY PROTECTION WILL BE REQUIRED FOR THIS EXISTING FIRE HYDRANT DURING DEMOLITION. THIS TEMPORARY PROTECTION WILL BE REQUIRED TO BE REMOVED PRIOR TO NEW SITE WORK. HPI SUGGESTS PROVIDING THESE 4 TEMPORARY SURFACE MOUNT BOLLARDS TO PROTECT THE EXISTING FIRE HYDRANT.	10/1/2018	hpi
41	MCC37	4	Increment 2	Civil	C2.1		Increment #2 - Sheet C2.1, Demo Keynotes 17 - Please confirm that the bidders are to include removal of the Emergency Call Box even though this note indicated "by others".	9/18/18	THE CONTRACTOR IS TO REMOVE THE EMERGENCY CALL BOX AND DELIVER TO THE DISTRICT.	10/1/2018	District
42	MCC79	4	Increment 2	Mechanical/Structural	M2.11, M2.14, 57.20		Increment #2 - Keynote 3/M2.11 and 1/M2.14 state "Provide pipe anchor, See 2/57.20 does not provide a pipe anchor detail. Please provide a detail for the pipe anchors and also correct the keynotes.	9/24/18	THE NOTE REFERS TO THE CORRECT STRUCTURAL DETAIL. ALL PIPE SHALL BE ANCHORED AS INDICATED IN 2/57.20	10/1/2018	P2s/MHP
43	MCC25	4	Increment 2	Civil	312333		Increment #2 - Specification section 312333 par., 3.6-B refers to Section 017400, however this specification section was not provided in the bid documents. Please either delete this reference or provide this missing specification section.	9/18/18	REVISED REFER TO SPECIFICATION SECTION 017419	10/1/2018	
44	MCC26	4	Increment 2	Landscape	320523		Increment #2 - Specification Section 320523 par., 2.11-A refers to Section 321300 Rigid Paving, however this section was not provided. Please remove this reference or provide the missing specification section.	9/18/18	SECTION 321300 REPLACED WITH SPECIFICATION SECTION 321313. REFER TO ATTACHED.	10/1/2018	

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**PROJECT:** Rancho Santiago Community College District  
 Santa Ana College - Johnson Student Center Building Demolition, Increment 1 and 2  
 DSA #04-116810-1  
 DSA #04-116810-2

PBC #	GC	Addendum	Package(s)	TRADE/CATEGORY	SHEET / SECTION	DETAIL / PAGE	QUESTION / COMMENT	ISSUED TO DESIGN TEAM	RESPONSE TO COMMENT	Addendum Date	Consultant
45	MCC27	4	Increment 2	Civil	321200		Increment #2 - Specification Section 321200 par., 3.06 refers to Pavement Reinforcing fabric. Please confirm this section does not apply to this project, as none is shown nor called out on the drawings.	9/18/18	CONFIRMED, DOES NOT APPLY. REMOVED FROM SPECIFICATIONS 321200	10/1/2018	
46	MCC35	4	Increment 2	Landscape	334600		Increment #2 - Specification section 334600 par., 1.01-A calls for subdrains are at "walls or foundations", however none were located on the drawings. If required, provide the location for the subdrains and connections to the main Storm Drainage system.	9/18/18	NOT REQUIRED. WILL BE REMOVED FROM SPECIFICATION	10/1/2018	
47	MCC36	4	Increment 2	Civil	C1.00, C1.0-D, C2.0		Bldg Demo, Increment 1 and Increment #2 - Drawings C2.0, The Limit-of-Work in the lower left corner by the area near the existing Decorative Pavers & the Utility Vault does not match the same area as shown on the Bldg Demolition Set, there appears to be some additional demolition & clearing and relocation of the temporary fencing at that lower-left area of the site. Note that the Increment 1 st appears to match the Increment 2 set at this area. Please confirm which demo drawing is to be followed. Please also note this conflicts with the sketches provided in Addendum #1 (Bid Alternates A & B). Please update the sketches accordingly if needed.	9/18/18	BUILDING DEMOLITION SET TO BE REVISED AND TO MATCH INC 1 & 2	10/1/2018	
48	N/A	N/A	N/A	N/A	N/A	N/A	NOT USED		NOT USED		
49	MCC38	4	Increment 2	Civil	C3.0, C3.1		Increment #2 - Sheets C3.0 & C3.1, Pavement note 5 - Please confirm that the bidders are to include two sets of striping (one temporary & one final). Also, confirm that 2-coats of seal are to be including noting that Section 321200 AC Paving does not specify any Seal Coat product, so if required to be included provide a basis-of-bid for the seal coat system.	9/18/18	CONFIRMED, BIDDERS TO INCLUDE TWO SETS OF STRIPING (TEMPORARY AND FINAL). CONFIRMED, 2-COATS OF SEAL ARE TO BE INCLUDED. CALTRANS SPECIFICATIONS SECTION 37-2 ADDED TO SPECS, PLEASE SEE 2.01-G	10/1/2018	
50	MCC39	4	Increment 2	Civil	C3.0, C3.1		Increment #2 - Sheets C3.0 & C3.1, Horizontal Control keynote 18 Rolled Curb was not located on these sheets. If required, provide the callout & locations for this keynote, or list this note as "not used" on this sheet.	9/18/18	KEYNOTE 18 REVISED TO "NOT USED"	10/1/2018	
51	MCC40	4	Increment 2	Civil	C5.2		Increment #2 - Sheet C5.2 (lower left), The callout for the SDMH (RIM 100.58) does not appear on the Utility Legend nor does it have a detail referenced. Please confirm that this Storm Drain Manhole is to be included & provide a detail for this structure, or confirm that this existing and to be protected in place.	9/18/18	CONFIRMED STORM DRAIN MANHOLE TO BE INCLUDED. DETAIL B PROVIDED ON SHEET C5.2	10/1/2018	
52	MCC41	4	Increment 2	Civil	C5.4		Increment #2 - Sheet C5.4, The new SD pipe is beyond the Limit-of-Work line, please confirm that the bidders are to include cutting & patching of the existing hardscape. Please provide detailed information for this hardscape - thickness, finish, rebar size & spacing, as well as minimum dimensions for the	9/18/18	CONFIRMED, BIDDERS ARE TO INCLUDE CUTTING & PATCHING OF THE EXISTING HARDSCAPE. PLEASE UTILIZE THE SAME HARDSCAPE INFORMATION AS THE PROPOSED SIDEWALK FOR THIS PROJECT, AS SHOWN AS THE FIRST ITEM ON THE PAVEMENT LEGEND ON SHEET C3.0.	10/1/2018	
53	MCC106	4	Increment 2	Low Voltage/District	LV1.11, A2.11		Increment #2 - Note 1/LV1.11 calls for the ATM machine to be OFOI while detail 2/A5.11 calls for the ATM machine to be OFCI. Please clarify if the ATM machine is to be OFOI or OFCI. If it is OFCI then please provide mounting/attachment details. Sheet A2.11 at gridlines M/6.3 there are vending machines called out as OFOCI (Thp.) however 2/A4.01 shows these vending machines as OFCI. please clarify if these vending machines are OFOI or OFCI. If they are OFCI then please provide mounting/attachment details.	9/25/18	VENDING MACHINES AND ATM MACHINES ARE OFOI. REVISE REFERENCE AT 1/A5.11 TO READ "ATM MACHINE O.F.O.I.". REFERENCE ON SHEET A2.11 IS CORRECT, REVISE REFERENCE AT 2/A4.01 TO READ "ATM MACHINE O.F.O.I.".	10/1/2018	
54	MCC89	4	Increment 2	Architectural	102226		Increment #2 - Section 102226 par. 2.1-W-1 requires the operable panel partition to meet an NRC rating of not less than 0.65. Please confirm that neither the cost of field nor the cost of laboratory testing is not to be included by the bidders to meet this minimum rating.	9/24/18	CONFIRMED. THE TESTING NOTED IN SPECIFICATION SECTION 102226 PAR 2.4-W.1 STATES IT IS TO BE A SYSTEM THAT IS IN COMPLIANCE WITH ASTM C423 WITH THE RATING OF NRC 0.65. GC TO PROVIDE A SHOP/SUBMITTAL WITH REQUIREMENTS NOTED.	10/1/2018	
55	MCC105	4	Increment 2	Electrical	E1.11		Increment #2 - Sheet E1.11 South of the Student Center - the feeder connecting OS#8 and MH#8 is shown as MV225.2 while the single-line on sheet E5.01 shows the feeder as MV225.1. Please advise which is the correct feeder designation.	9/25/18	Feeder from OS#8 to MH#8 shall be MV225.1. Provide per single line diagram.	10/1/2018	
56	MCC26	4	Increment 2	Landscape	320523		Increment #2 - Specification Section 320523 par., 2.11-A refers to Section 321300 Rigid Paving, however this section was not provided. Please remove this reference or provide the missing specification section.	9/18/18	Referenced section in par. 2.11-A, 321300 replaced with section 321313	10/1/2018	
57	MCC30	4	Increment 2	Civil	033010, 321313	4/L5.50	Increment #2 - Specification Section 033010 par., 2.10-D calls for 3000 psi and Section 321313 par., 2.8-B-1 calls for 3000 psi, however details 1,2/C3.0 Notes 1 calls for 4200 psi, Pavement Legend Notes 4 and L5.50 Hardscape Notes V also call our 4200 psi. Please confirm the site concrete paving compressive strength that the bidders are to base the bid upon.	9/18/18	Please use 4200 psi for concrete paving.	10/1/2018	
58	MCC24	4	Increment 2	Civil	312300, 033010, 321313		Increment #2 - Specification Section 312300 par., 1.1-A, includes a reference to Soil Sterilant. Please confirm if this is required. If required, provide the specific location and product for the bidders to include. Note that Specification Section 033010 par., 2.13-A calls for Surflan under Concrete for Landscape, and Section 321313 par., 2.4-A calls for Surflan at Site Concrete Paving, thus please confirm Surflan is required below site concrete paving.	9/18/18	SOIL STERILANT REMOVED FROM SPECIFICATION 312300. THE USE OF SURFLAN BELOW SITE CONCRETE PAVING PER DSA APPROVED SPECIFICATION SECTION 033010 AND 321313 IS REQUIRED.	10/1/2018	
59	MCC47	4	Increment 2	Landscape	L5.50		Increment #2 - Sheet L5.50, Hardscape Note B, Please confirm the "Unit Cost for Import Soil." noted in Note B is the same unit cost you are requesting in Specific Allowance #4 of the RFP.	9/18/18	Note B has been removed from the drawings. The specific request allowance #4 of the RFP is still required.	10/1/2018	
60	MCC32	4	Increment 2	Arch/Landscape	323118, 323118, 323119	L5.20, L5.40	Increment #2 - Specification Sections 323118 & 323119, please confirm which specification section the bidders are to base Sheet L5.20 thru L5.40 upon for the Metal Fences & Gates. Note that Section 323118 par., 2.1-A lists 4 manufacturers & an "or equal". Please confirm which of these manufacturers are pre-approved.	9/18/18	REMOVE SPECIFICATION SECTION 323119 IN ITS ENTIRETY	10/1/2018	
61	MCC33	4	Increment 2	Landscape	323119		Increment #2 - Specification Section 323119 par., 2.7-B references specification section 110513 Common Motor requirements for equipment, however this section was not provided. Please provide missing specification section or remove the incorrect reference.	9/18/18	SPECIFICATION SECTION 323119 HAS BEEN REMOVED IN ITS ENTIRETY. GATES/FENCES HAVE NO MOTOR(S)	10/1/2018	
62	MCC104	4	Increment 2	Electrical	E0.01		Increment #2 - Sheet E0.01 the same junction box symbol is used for both the "surface mounted junction box" and the "floor/ceiling mounted junction box". Please advise which of these devices is to use the original symbol and provide the correct symbol for the other device type	9/25/18	THE SURFACE MOUNT JUNCTION BOX IS NOT USED ON THIS PROJECT, REMOVE FROM THE LEGEND.	10/1/2018	

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										PROJECT:			
											Rancho Santiago Community College District Santa Ana College - Johnson Student Center Building Demolition, Increment 1 and 2 DSA #04-116810-1 DSA #04-116810-2		
PBC #	GC	Addendum	Package(s)	TRADE/CATEGORY	SHEET / SECTION	DETAIL / PAGE	QUESTION / COMMENT	ISSUED TO DESIGN TEAM	RESPONSE TO COMMENT	Addendum Date	Consultant		
63	MCC22	4	Increment 2	Civil	311000		Increment #2 - Specification Section 311000 par., 1.1-A-4 & 3.6 refers to Topsoil stripping, Please confirm if Topsoil Stripping is required for this project.	9/18/18	TOPSOIL STRIPPING WILL NOT BE A PART OF THIS PROJECT. REMOVE REFERENCES IN SPECIFICATION 311000 PAR. 1.1-A.4 AND PAR 3. 3.6.	10/1/2018			
64	MCC23	4	Increment 2	Landscape	311000		Increment #2 - Specification Section 311000 par., 3.3-A, references section 015639 Temporary Tree and Plant Protection, however this specification section was not provided. Specification section 329113 par., 3.7-A also references section 015639. Please provide the missing specification or remove the references in Specs 311000 & 329113.	9/18/18	REMOVE REFERENCES TO SPEC SECTION 015639 TEMPORARY TREE AND PLANT PROTECTION FROM SPECIFICATIONS 311000 AND 329113	10/1/2018			
65	MCC28	4	Increment 2	Civil	033010, 321313		Increment #2 - Please confirm the difference between Sections 033010 & 321313. Please indicate which section supersedes the other regarding any conflicts.	9/18/18	SECTION 033010 IS FOR NON-STRUCTURAL LANDSCAPE WALLS (LOW WALLS). SECTION 321313 IS FOR NON-STRUCTURAL LANDSCAPE CONCRETE PAVING (ARCHITECTURAL CONCRETE PAVING).	10/1/2018			
66	MCC45	4	Increment 2	Landscape	L4.40	D	Increment #2 - Sheet L5.50, Detail D, Legend Note 1 calls for "continuous painted 1.5-inch round standard stainless steel pipe..." Please confirm if the Base Bid Galvanized pipe railing is to be painted or not. If not, delete that call out for paint. Note that Details A, C, D do not refer to "paint" at the rails.	9/18/18	LEGEND NOTES 1, 2, 3/D-L5.50 TO READ "HOT DIPPED GALVANIZED 1.5"..." NO PAINT. DETAILS A, B, C/L5.50 TO READ "HOT DIPPED GALVANIZED 1.5"..." IN LIEU OF STAINLESS STEEL.	10/1/2018			
67	MCC30	4	Increment 2	Civil	033010, 321313	4/L5.50	Increment #2 - Specification Section 033010 par., 2.10-D calls for 3000 psi and Section 321313 par., 2.8-B-1 calls for 3000 psi, however details 1,2/C3.0 Notes 1 calls for 4200 psi, Pavement Legend Notes 4 and L5.50 Hardscape Notes V also call our 4200 psi. Please confirm the site concrete paving compressive strength that the bidders are to base the bid upon.	9/18/18	FOR LOW LANDSCAPE WALLS (NON-STRUCTURAL) 3000 PSI IS ACCEPTABLE PER SPEC SECTION 033010. EXTERIOR CONCRETE PAVING TO BE 4200 PSI.	10/1/2018			
68	MCC31	4	Increment 2	Landscape	321400		Increment #2 - Specification Section 321400, Please provide the location of Unit Pavers - Mortar Set on this project as none can be found on the drawings. If none are to be provided please remove this specification section.	9/18/18	Spec Section 321400 for Unit Pavers is no longer applicable for this project and should be removed.	10/1/2018			
69	MCC42	4	Increment 2	Landscape	L2.20		Increment #2 - Sheet L2.20, Lighting Legend, The Sculpture Uplight is listed as Lumiis SQ600, however E0.3 Exterior Fixtures S9 calls for Vista Lighting #1057 (or an option by Ligman UOD-5001). Confirm that the E0.3 fixtures supersede the L2.20 when they conflict, or are there 3 options to choose from.	9/18/18	CONFIRMED. ELECTRICAL SHEET E0.3 WILL SUPERSEDE SHEET L2.20 FOR FIXTURE MAKE, MODEL AND QUANTITY	10/1/2018			
70	MCC43	4	Increment 2	Landscape	L2.30	4	Increment #2 - Sheet L2.30, detail 4 - At the lower-right is a callout for keynote 19-F2 which is described as Tube Steel Guardrail at Loading Dock, however this is no a loading dock and appears to be similar to L1.20 which has three locations calling for Keynote 26-F2. Please confirm this keynote on L2.30 should be keynote 26 instead of keynote 19. Also keynote 26 refers to details A-D/L5.50 all of which call out this guardrail as "1.5-inch round Stainless Steel standard pipe", but type F2 in the finish schedule describe the same guardrail as Hot Dipped Galvanized as the Base bid & Stainless Steel as an Alternate bid. Please confirm that the base bid is to be Hot Dipped Galvanized guardrails. Also please confirm if an alternate is to be provided for Stainless Steel, as this alternate is not listed in Specification Section 012300 or the requested Alternates Summary in the RFP.	9/18/18	Part One: The walk and curb at this location are existing to remain. The design intent is to install a new guardrail on top of the existing curb similar to details A-D on sheet L5.50. The keynote on sheet L2.30 has been revised. Part Two: Guardrails to be hot dipped galvanized. Details has been revised to remove reference to stainless steel.	10/1/2018			
71	MCC44	4	Increment 2	Civil	L5.10	D	Increment #2 - Sheet L5.10, Detail H - The width of the Concrete Maintenance Band is listed as "per plan", however the site plans on L1.20 & L2.20 do not list a dimension for the keynote 12-P2 callout. Note this maintenance band scale to 2'-8" wide. Please provide with of the Concrete Maintenance Band.	9/18/18	REFER TO SHEET L3.10 - L3.30 FOR HARDSCAPE LAYOUT DIMENSIONS	10/1/2018			
72	MCC49	4	Increment 2	Landscape	L11.10		Increment #2 - Sheet L11.10, Site Furnishings Legend, S1 - The quantity is called out as 45, however there are 43 shown on the Site Details. Please confirm which quantity the bidders are to base this 4-seat table upon. Sheet L11.10 - Site Furnishings Legend, S3 - The quantity is called out as 42, however there are 43 shown on the Site Details. Please confirm which quantity the bidder are to base this 2-seat table upon.	9/18/18	PART ONE: THE COUNT OF FURNITURE TYPE S1 TO BE REVISED TO 43. PART TWO: THE COUNT OF FURNITURE TYPE S3 IS SHOWN CORRECTLY AT 42.	10/1/2018			
73	MCC48	4	Increment 2	Landscape	L9.10		Increment #2 - Sheet L9.10, Tree Plant Palette, The Maverick Hybrid Honey Mesquite is called as 9 each, however there are 10 shown on the Site Plan (left side of the building). Please confirm the quantity should be 10 each.	9/18/18	CONFIRMED. THE QUANTITY OF MESQUITE TREES IS 10.	10/1/2018			
74	MCC50	4	Increment 2	Landscape	L11.10		Increment #2 - Sheet L11.10, Site Furnishing Legend S6 - The round tree grate is called out as 6-foot round, however the details on Sheet L11.10 & Detail 4/L2.30 scale the round tree grate as 5-foot. Please confirm if the round tree grate is to be 6-foot or 5-foot round. (Note the 6-foot square tree grate scales as 6-foot)	9/18/18	ROUND TREE GRATES TO BE 6' DIAMETER PER SITE FURNISHING SCHEDULE.	10/1/2018			
75	MCC92	4	Increment 2	Landscape	L2.10		Increment #3 - Detail 2/L2.10 shows the sloped loading dock area with gradually rising walls along north and south sides of the loading dock. Please review and advise if these walls should receive anti-graffiti coating? See markup for exact location.	9/24/18	CONFIRMED. EXPOSED PORTIONS OF LOADING DOCK WALL TO RECEIVE ANTI-GRAFFITI COATING.	10/1/2018			
76	MCC95	4	Increment 2	Landscape	L2.20		Increment #2 - Note C at the bottom of sheet L2.20 states that at the end of construction walls will receive an anti-graffiti coating on all visible portions. It is clear that this applies to W2 (CMU walls), however please confirm that low wall, Type W1, are also required to receive the anti-graffiti coating.	9/24/18	LOW WALLS (WALL TYPE W1) ARE NOT TO RECEIVE ANTI-GRAFFITI COATING. LOW WALLS TO RECEIVE CLEAR LIQUID SURFACE SEALER (HLQ-125) BY SINKA CORPORATION OR APPROVED EQUAL PER SPEC. SECTION 033010.	10/1/2018			
77	MCC54	4	Increment 2	Civil, Landscape, Low Voltage	C5.4, E1.11, LVO.05	A/C5.4	Increment #2 - Sheet C5.4, Utility Keynote 8 - This keynote calls for concrete conduit per A/C5.4 which shows three 4-inch conduits (telephone-data-electric), however J/E1.11 Keynote 12 calls for a 1.5 inch conduit for new Panel 1PB and is shown in a different location. Please confirm if this is an additional conduit to be included with the 3-4" conduits. Furthermore LVO.05 Specific plan Note 7 calls for a 2-inch conduit, and Note 8 calls for a 3x2 hand hole that is not shown on C5.4, Note 14 calls for a 1-inch conduit as well. Please coordinate these three drawings and correct as necessary	9/18/18	SHEET C5.4, DETAIL A REVISED TO SHOW ONE CONDUIT IN CONCRETE. SHEET C5.4 SHOWS LOW VOLTAGE LINE AS A REFERENCE, PLEASE USE LOW VOLTAGE AND SECURITY PLANS FOR LAYOUT, SIZES AND DETAILS.	10/1/2018			
78	MCC102	4	Increment 2	Food Service	114000		Increment #2 - Reference Spec Section 114000-1.4.F.3 and 114000-3.5, drawings FS-201 and 202. Spec section 11 40 00-1.4.F.3 indicates that should there be a conflict between the drawings and the specifications, the specifications shall govern. Below are equipment items that are conflicting between the specifications section 11 40 00-3.5 and the drawings with regards to electrical requirements. The specs call for NEMA 5-20P for item #5-01 Cabinet, enclosed, Bun/Food Pan (NIC), the equipment schedule call for NEMA 5-15P for item #5-01. Please confirm that the specifications govern and NEMA 5-20P is required.	9/25/18	Per drawings dated 8/13/15 DSA Final Submittal, Equipment schedule for Item 5-01calls for a NEMA 5-20P 20AMP Service Required.	10/1/2018			



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								PROJECT:	Rancho Santiago Community College District Santa Ana College - Johnson Student Center Building Demolition, Increment 1 and 2 DSA #04-116810-1 DSA #04-116810-2		
PBC #	GC	Addendum	Package(s)	TRADE/CATEGORY	SHEET / SECTION	DETAIL / PAGE	QUESTION / COMMENT	ISSUED TO DESIGN TEAM	RESPONSE TO COMMENT	Addendum Date	Consultant
79	MCC103	4	Increment 2	Food Service	114000		Increment #2 - Reference Spec Section 11 40 00-1.4.F.3 and 11 40 00-3.5 drawings FS-101, 102, 201 and 202. Spec Section 11 40 00-1.4.F.3 indicated that should there be a conflict between the drawings and the specification, the specifications shall govern. REFER TO RFC for additional comments	9/25/18	1. Item 4-10 should be 2 corner guards. Item 4-13 on the plans show the location and the specs call out a lot with a leaner dimension. 2. Item 1-01 should be model 242-LUA-T5 per the drawings. 3. Item 1-37 model should be 365-6BN per the drawings.	10/1/2018	