

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval. This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the [DSA Forms](#) or [DSA Publications](#) webpages.

| | | | | |
|--|------------------|---|--|---|
| 1. SUBMITTAL TYPE: (Is this a resubmittal? Yes <input type="checkbox"/> No <input type="checkbox"/>) | | | | |
| <input type="checkbox"/> Deferred Submittal | Addendum Number: | Revision Number: | CCD Number: | Category A <input type="checkbox"/> or B <input type="checkbox"/> |
| 2. PROJECT INFORMATION: | | | | |
| School District/Owner: | | | DSA File Number: | |
| Project Name/School: | | | DSA Application Number: | |
| 3. APPLICANT INFORMATION: | | | | |
| Date Submitted: | | Attached Pages? No <input type="checkbox"/> Yes <input type="checkbox"/> Number of pages? | | |
| Firm Name: | | Contact Name: | | |
| Work Email: | | Work Phone: | | |
| Firm Address: | | City: | State: | Zip Code: |
| 4. REASON FOR SUBMITTAL: (Check applicable boxes) | | | | |
| <input type="checkbox"/> For revision or addendum prior to construction. | | | <input type="checkbox"/> For a project currently under construction. | |
| <input type="checkbox"/> For a project that has a form <i>DSA 301-N: Notification of Requirement for Certification</i> , <i>DSA 301-P: Posted Notification of Requirement for Certification</i> or a 90-Day Letter issued. | | | | |
| <input type="checkbox"/> To obtain DSA approval of an existing uncertified building or buildings. | | | | |
| <input type="checkbox"/> For Category B CCD this is: <input type="checkbox"/> a voluntary submittal, <input type="checkbox"/> a DSA required submittal (attach DSA notice requiring submission). | | | | |
| 5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE: | | | | |
| Name of the Design Professional In General Responsible Charge: | | | | |
| Professional License Number: | | | Discipline: | |
| Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project. | | | | |
| Signature: <u><i>Jean Amador</i></u> DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE | | | | |
| 6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS: | | | | |
| For addenda, revisions, or CCDs: CHECK THIS BOX <input type="checkbox"/> to confirm that <i>all</i> post-approval documents have been stamped and signed by the Responsible Design Professional listed on form <i>DSA 1: Application for Approval of Plans and Specifications</i> for this project. (For <i>Deferred Submittals</i> , refer to <i>IR A-18: Use of Construction Documents Prepared by Other Professionals</i> , and <i>IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents</i> , when applicable, for signature and seal requirements.) | | | | |
| Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed): | | | | |
| List of DSA-approved drawings affected by this post-approval document: | | | | |

| DSA USE ONLY | | |
|--|----------|-----------|
| | Returned | DSA STAMP |
| SSS _____ Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required Comments: _____ | Date: | |
| FLS _____ Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required Comments: _____ | By: | |
| ACS _____ Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required Comments: _____ | | |

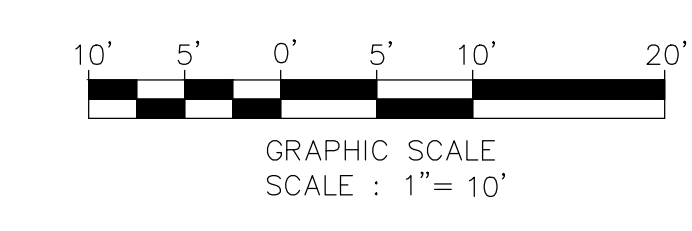
G:\Projects\Civil\LA30354_Ventura College_Civil Improvements_AIA Design\Grading\Area 4\2023-08-22\DEMOLITION PLAN.dwg Date:08/28/23 03:49p mltou



- DEMOLITION NOTES:**
- 1 CONCRETE PAVEMENT
 - 2 ASPHALT CONCRETE PAVEMENT
 - 3 TREE
 - 4 CHAINLINK FENCE AND POST FOOTING
 - 5 CLEAR AND GRUB
 - 6 WOOD BUILDING AND CONCRETE PAD
 - 7 CONCRETE CATCH BASIN
 - 8 CURB RAMP
 - 9 CONCRETE CURB
 - 10 HOSE BIB CUT AND CAP LINE
 - 11 CONCRETE V-GUTTER
 - (A) ADJUST TO GRADE
 - (C) CUT AND PLUG
 - (F) EXISTING CONSTRUCTION FENCE
 - (P) PROTECT IN PLACE
 - (R) RELOCATE EXISTING ITEMS, CONTRACTOR SHALL COORDINATE WITH OAR
 - (T) EXISTING OPEN TRENCH. SEE AS-BUILT TOPOGRAPHIC SURVEY

- DEMOLITION GENERAL NOTES:**
- REFER TO CIVIL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION AND ANY UTILITIES WORK REQUIRED OUTSIDE OF LIMITS OF WORK.
 - PROTECT EXISTING UTILITY LINES IN PLACE UNLESS OTHERWISE NOTED.
 - FOR DEMOLITION OR RELOCATION OF UNDERGROUND UTILITIES SEE SITE GRADING PLANS.
 - THE CONTRACTOR SHALL PROVIDE NOTIFICATION TO OWNERS PRIOR TO DEMOLITION OF EXISTING WALL/FENCE.
 - THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT THE INTEGRITY OF THE ADJACENT STRUCTURES, POWER POLES, AND ANY IMPROVEMENTS OF ADJACENT PROPERTIES DURING DEMOLITION AND CONSTRUCTION OF NEW FENCING AND WALLS.
 - THE CONTRACTOR SHALL REPAIR AND RESTORE ANY STRUCTURES OR ADJOINING WALLS THAT RE DAMAGED DURING DEMOLITION.
 - THE CONTRACTOR SHALL REMOVE ALL BROKEN CONCRETE PAVEMENT PILE OFF SITE.

- LEGEND:**
- LIMIT OF WORK
 - SAWCUT & JOIN LINE
 - [Hatched Box] REMOVE EXISTING CONCRETE PAVEMENT 1
 - [Hatched Box] REMOVE EXISTING ASPHALT CONCRETE PAVEMENT 2
 - ////// REMOVE EXISTING UTILITY
 - [#] ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED
 - [X] ITEMS COMPLETED BY OTHERS.
 - [#] ITEMS COMPLETED BY OTHERS.



DIVISION OF THE STATE ARCHITECT

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

VCCCD - #4 OUTDOOR WORKOUT - AEC
Campus Student Center
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

CIVIL ENGINEERING SURVEYING+MAPPING LAND DEVELOPMENT
213 624 2661 TEL
919 W. GLENOAKS BLVD., 2nd FLOOR GLENDALE, CA 91202

STAMPS/SEALS

CCD-002

| | |
|------------------------------------|------------|
| △ 50% CONSTRUCTION DOCUMENTS | 2022-10-04 |
| △ 100% CONSTRUCTION DOCUMENTS | 2022-10-17 |
| △ DSA SUBMITTAL | 2022-12-07 |
| △ CONSTRUCTION COMPLETED BY OTHERS | 2023-08-09 |

DEMOLITION PLAN

PROJECT NO: 22-VCCCD-10 PROJECT ARCH: Designer
DRAWN: Author CHECKED: Checker
SHEET NUMBER: **C2.0**

DATE: SHEET: 2 OF



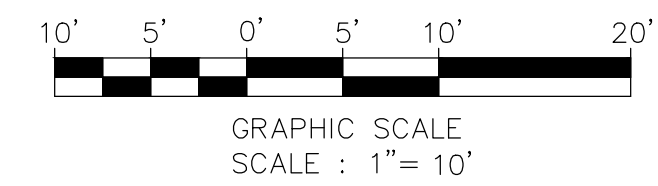
MATCHLINE: SEE SHEET C2.0

- DEMOLITION NOTES:**
- 1 CONCRETE PAVEMENT
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 - 3 TREE
 - 4 CHAINLINK FENCE AND POST FOOTING
 - 5 CLEAR AND GRUB
 - 6 WOOD BUILDING AND CONCRETE PAD
 - 7 CONCRETE CATCH BASIN
 - 8 CURB RAMP
 - 9 CONCRETE CURB
 - 10 HOSE BIB CUT AND CAP LINE
 - 11 CONCRETE V-GUTTER
 - 12 BROKEN CONCRETE PAVEMENT PILE
 - (A) ADJUST TO GRADE
 - (C) CUT AND PLUG
 - (F) EXISTING CONSTRUCTION FENCE
 - (P) PROTECT IN PLACE
 - (R) RELOCATE EXISTING ITEMS, CONTRACTOR SHALL COORDINATE WITH OAR
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 5. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT THE INTEGRITY OF THE ADJACENT STRUCTURES, POWER POLES, AND ANY IMPROVEMENTS OF ADJACENT PROPERTIES DURING DEMOLITION AND CONSTRUCTION OF NEW FENCING AND WALLS.
 6. THE CONTRACTOR SHALL REPAIR AND RESTORE ANY STRUCTURES OR ADJOINING WALLS THAT RE DAMAGED DURING DEMOLITION.
 7. THE CONTRACTOR SHALL REMOVE ALL BROKEN CONCRETE PAVEMENT PILE OFF SITE.

- LEGEND:**
- LIMIT OF WORK
 - - - - SAWCUT & JOIN LINE
 - [Hatched Box] REMOVE EXISTING CONCRETE PAVEMENT 1
 - [Cross-hatched Box] REMOVE EXISTING ASPHALT CONCRETE PAVEMENT 2

- # ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED
- ☒ ITEMS COMPLETED BY OTHERS.
- ☑ ITEMS COMPLETED BY OTHERS.



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amador@amadorarchitects.com

CONSULTANT



MOLLENHAUER GROUP

CIVIL ENGINEERING SURVEYING+MAPPING LAND DEVELOPMENT
213 624 2661 TEL
919 W. GLENOAKS BLVD., 2nd FLOOR
GLENDALE, CA 91202

STAMPS/SEALS



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- △ DSA SUBMITTAL 2022-12-07
- CCD-002 / △ CONSTRUCTION COMPLETED BY OTHERS 2023-08-09

SHEET TITLE:

DEMOLITION PLAN

| | |
|-------------------------|------------------------|
| PROJECT NO: 22-VCCCD-10 | PROJECT ARCH: Designer |
| DRAWN: Author | CHECKED: Checker |
| SHEET NUMBER: | |
| C2.1 | |
| DATE: | SHEET: 3 OF |

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CONSTRUCTION NOTES:

- ① CONCRETE CURB PER DETAIL (1) C5.0
- ② CONCRETE PAVEMENT PER DETAIL (2) C5.0, TYPE PER PLAN
- ③ RUBBER MAT SEE ARCHITECTURAL PLAN PER DETAIL
- ④ ASPHALT CONCRETE PAVEMENT PER DETAIL (1) C5.0
- ⑤ 12" DOWELS AT 18" ON CENTER PER DETAIL (4) C5.0, TYPE B
- ⑥ THICKENED EDGE PER DETAIL (3) C5.0
- ⑦ REPLACE STRIPING TO MATCH EXISTING
- ⑧ SHALLOW CLEAN OUT PER DETAIL (7) C5.0
- ⑨ AREA DRAIN PER DETAIL (10) C5.0
- ⑩ CONCRETE CURB AT FENCE PER DETAIL (6) C5.0
- ⑪ CANOPY SHADE COLUMNS. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR DETAILS
- ⑬ CONCRETE V-GUTTER PER DETAIL (13) C5.0

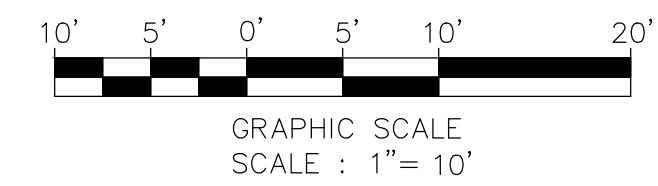
GENERAL NOTES:

- 1. ALL PIPES SHALL BE BEDDED IN ACCORDANCE WITH DETAIL 5 ON SHEET C5.0.
- 2. ADJUST TO DESIGN GRADE TOP OF EXISTING VALVE BOXES AND VAULTS WITH IN AREAS TO BE REGRADED.
- 3. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
- 4. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION.
- 5. TEMPORARY EROSION CONTROL TO BE INSTALLED ALL YEAR LONG. OBTAIN GRADING INSPECTOR'S AND DEPARTMENT OF PUBLIC WORKS APPROVAL OF PROPOSED PROCEDURES.
- 6. GENERAL CONTRACTOR SHALL PROVIDE CONSTRUCTION LAYOUT AND STAKING FOR THE PROPOSED SHADE STRUCTURES, FOOTINGS AND COLUMNS. THE GENERAL CONTRACTOR SHALL BE FAMILIARIZED WITH THE SHADE STRUCTURE MANUFACTURER PLANS AND SPECIFICATIONS. THE GENERAL CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF THE SHADE STRUCTURE WITH THE MANUFACTURER AUTHORIZED REPRESENTATIVE. CONSTRUCTION LAYOUT AND STAKING SHALL BE PROVIDED BY A LICENSE PROFESSIONAL LAND SURVEYOR AT THE GENERAL CONTRACTOR EXPENSE.
- 7. GENERAL CONTRACTOR SHALL POTHOLE AND LOCATE THE EXISTING CONCRETE DUCT BANK ENCASEMENT, WHERE THE PROPOSED SHADE STRUCTURE PILE FOOTINGS OCCURS. GENERAL CONTRACTOR TO TAKE ALL NECESSARY MEASURES TO PROTECT THE CONCRETE ENCASEMENT IN PLACE. SEE UTILITY DRAWINGS FOR ADDITIONAL INFORMATION

LEGEND:

- ASPHALT CONCRETE PAVEMENT PER DETAIL (1) C5.0
- CONCRETE PAVEMENT PER DETAIL (2) C5.0
- ITEMS COMPLETED BY OTHERS (3)

MATCHLINE: SEE SHEET C3.1



DIVISION OF THE STATE ARCHITECT



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PROJECT TITLE AND SCHOOL LOCATION

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Campus Student Center
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COMMISSIONED ARCHITECT

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213 624 2661 TEL
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STAMPS/SEALS



| | |
|--|------------|
| △ 50% CONSTRUCTION DOCUMENTS | 2022-10-04 |
| △ 100% CONSTRUCTION DOCUMENTS | 2022-10-17 |
| △ DSA SUBMITTAL | 2022-12-07 |
| CCD-002 △ CONSTRUCTION COMPLETED BY OTHERS | 2023-08-09 |

SHEET TITLE:

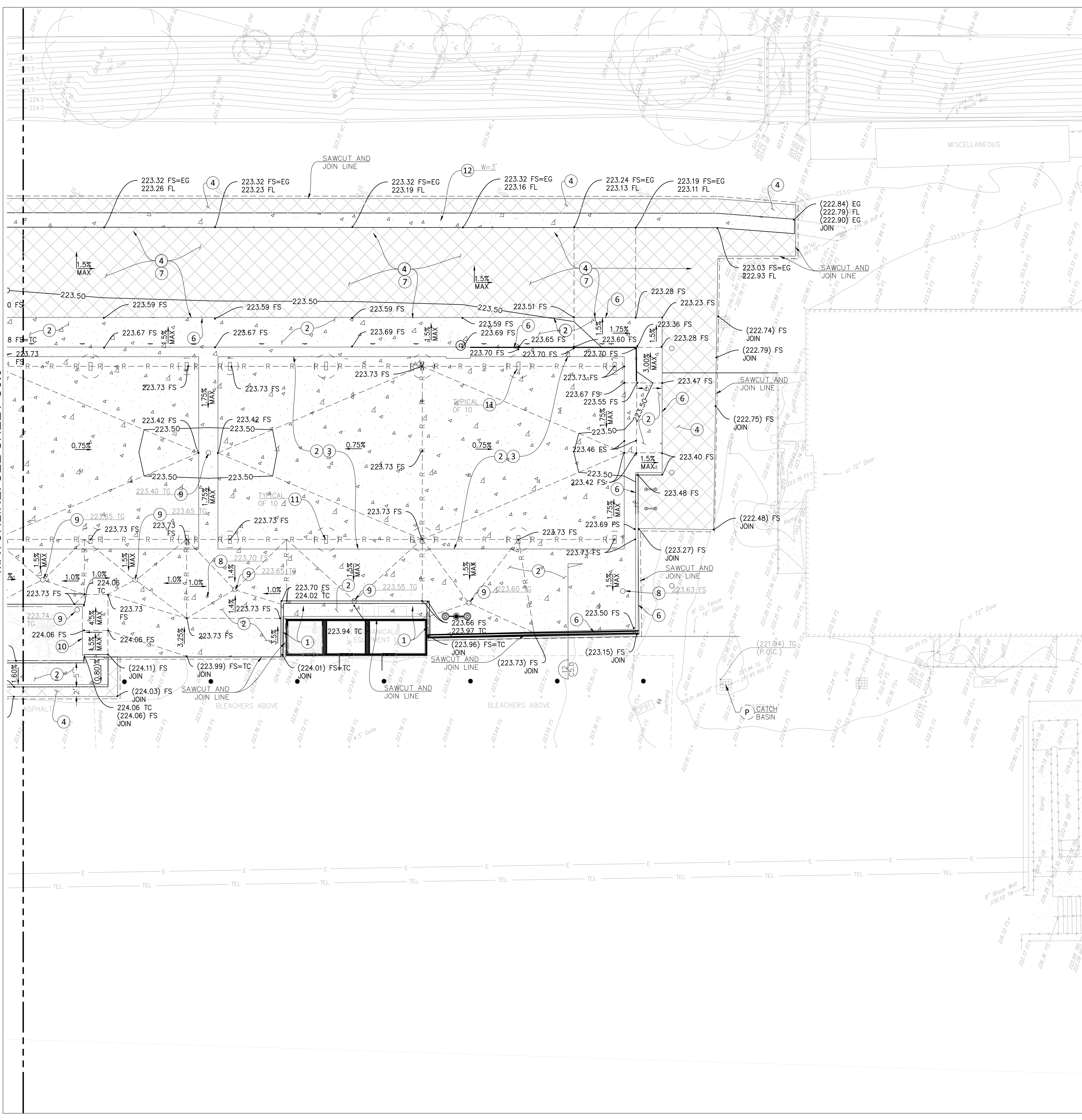
GRADING PLAN

| | |
|-------------------------|------------------------|
| PROJECT NO: 22-VCCCD-10 | PROJECT ARCH: Designer |
| DRAWN: Author | CHECKED: Checker |
| SHEET NUMBER: | |

C3.0

DATE: SHEET: 4 OF

MATCHLINE: SEE SHEET C3.0



CONSTRUCTION NOTES:

- ① CONCRETE CURB PER DETAIL (1) C5.0
- ② CONCRETE PAVEMENT PER DETAIL (2) C5.0, TYPE PER PLAN
- ③ RUBBER MAT SEE ARCHITECTURAL PLAN PER DETAIL
- ④ ASPHALT CONCRETE PAVEMENT PER DETAIL (4) C5.0
- ⑤ 12" DOWELS AT 18" ON CENTER PER DETAIL (4) C5.0, TYPE B
- ⑥ THICKENED EDGE PER DETAIL (3) C5.0
- ⑦ REPLACE STRIPING TO MATCH EXISTING
- ⑧ SHALLOW CLEAN OUT PER DETAIL (7) C5.0
- ⑨ AREA DRAIN PER DETAIL (10) C5.0
- ⑩ CONCRETE CURB AT FENCE PER DETAIL (6) C5.0
- ⑪ CANOPY SHADE COLUMNS. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR DETAILS
- ⑫ CONCRETE V-GUTTER PER DETAIL (13) C5.0

GENERAL NOTES:

1. ALL PIPES SHALL BE BEDDED IN ACCORDANCE WITH DETAIL 5 ON SHEET C5.0.
 2. ADJUST TO DESIGN GRADE TOP OF EXISTING VALVE BOXES AND VAULTS WITH IN AREAS TO BE REGRADED.
 3. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
 4. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION.
 5. TEMPORARY EROSION CONTROL TO BE INSTALLED ALL YEAR LONG. OBTAIN GRADING INSPECTOR'S AND DEPARTMENT OF PUBLIC WORKS APPROVAL OF PROPOSED PROCEDURES.
 6. GENERAL CONTRACTOR SHALL PROVIDE CONSTRUCTION LAYOUT AND STAKING FOR THE PROPOSED SHADE STRUCTURES, FOOTINGS AND COLUMNS. THE GENERAL CONTRACTOR SHALL BE FAMILIAR WITH THE SHADE STRUCTURE MANUFACTURER PLANS AND SPECIFICATIONS. THE GENERAL CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF THE SHADE STRUCTURE WITH THE MANUFACTURER AUTHORIZED REPRESENTATIVE. CONSTRUCTION LAYOUT AND STAKING SHALL BE PROVIDED BY A LICENSE PROFESSIONAL LAND SURVEYOR AT THE GENERAL CONTRACTOR EXPENSE.
 7. GENERAL CONTRACTOR SHALL POTHOLE AND LOCATE THE EXISTING CONCRETE DUCT BANK ENCASEMENT, WHERE THE PROPOSED SHADE STRUCTURE PILE FOOTINGS OCCURS. GENERAL CONTRACTOR TO TAKE ALL NECESSARY MEASURES TO PROTECT THE CONCRETE ENCASEMENT IN PLACE. SEE UTILITY DRAWINGS FOR ADDITIONAL INFORMATION.
- ③ GENERAL NOTES 6 AND 7 ADDED.

LEGEND:

- ASPHALT CONCRETE PAVEMENT PER DETAIL (1) C5.0
- CONCRETE PAVEMENT PER DETAIL (2) C5.0

DIVISION OF THE STATE ARCHITECT

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 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
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PROJECT TITLE AND SCHOOL LOCATION

VCCCD - #4 OUTDOOR WORKOUT - AEC
 Campus Student Center
 4667 Telegraph Road
 Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR
 amador architects, inc.
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STAMPS/SEALS

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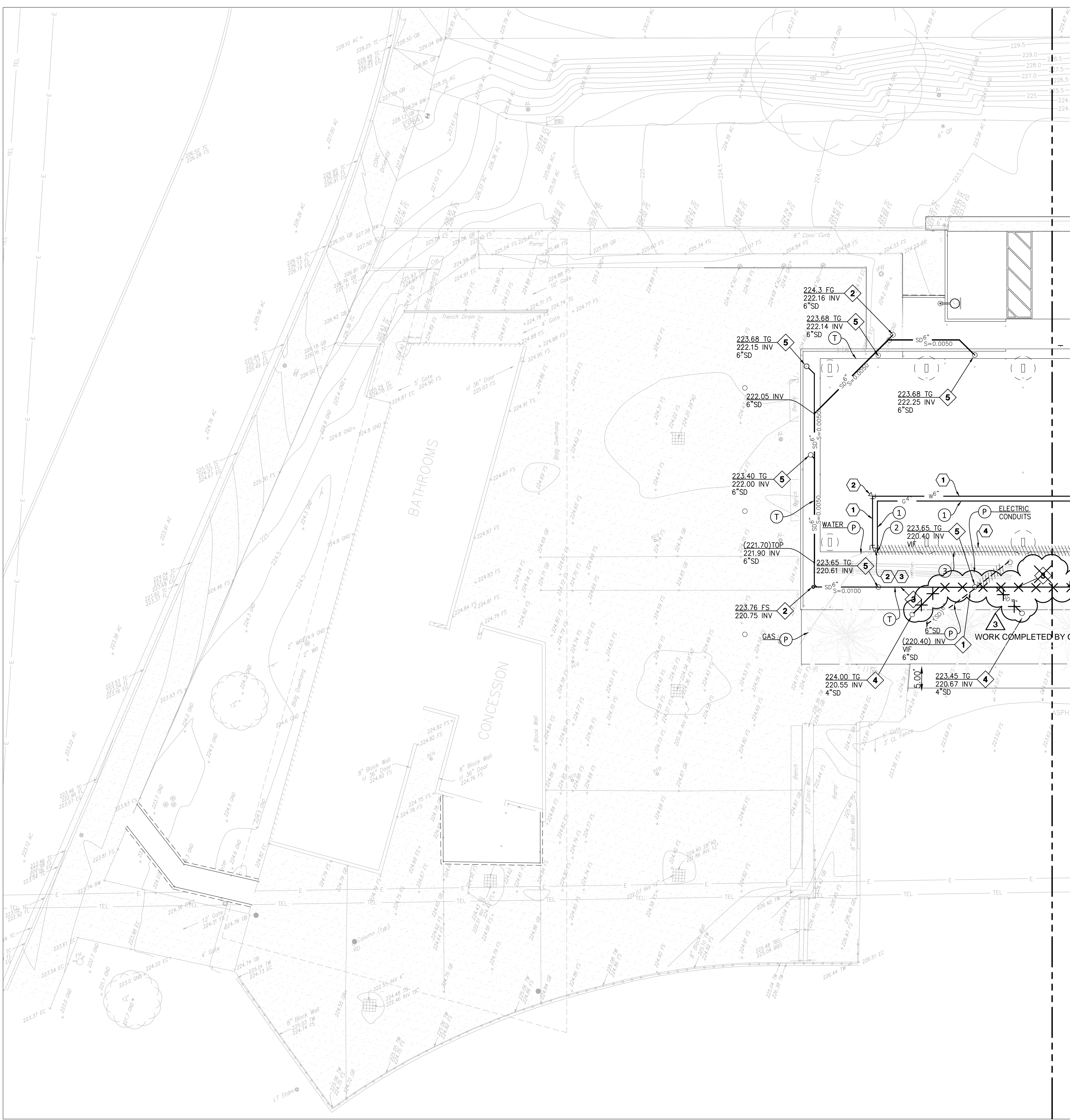
SHEET TITLE:

GRADING PLAN

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| PROJECT NO: 22-VCCCD-10 | PROJECT ARCH: Designer |
| DRAWN: Author | CHECKED: Checker |
| C3.1 | |
| DATE: | SHEET: 5 OF |

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MATCHLINE: SEE SHEET C4.1

STORM DRAIN NOTES:

- 1 POINT OF CONNECTION.
- 2 CLEANOUT PER DETAIL 7 CS.0
- 3 SOLID PVC PIPE SCHEDULE 40 DWV
- 4 ATRIUM DRAIN PER DETAIL 9 CS.0
- 5 AREA DRAIN PER DETAIL 10 CS.0
- P PROTECT IN PLACE
- T EXISTING OPEN TRENCH. SEE AS BUILT TOPOGRAPHIC SURVEY

WATER NOTES:

- 1 NEW 6" DIAMETER WATER LINE, SEE GENERAL NOTE 3
- 2 TRUST BLOCK PER COUNTY OF VENTURA STANDARD PLAN DRAWING W-19 WATER PRESSURE 300 PSI, SOIL BEARING 100 PSF
- 3 POINT OF CONNECTION, SEE GENERAL NOTE 6
- 4 REMOVE EXISTING WATER LINE. NOTIFY ENGINEER OF ANY UNDOCUMENTED LATERAL CONNECTIONS.

GAS NOTES:

- 1 NEW 4" DIAMETER GAS LINE, SEE GENERAL NOTE 4
- 2 POINT OF CONNECTION, SEE GENERAL NOTE 6
- 3 REMOVE EXISTING GAS LINE. NOTIFY ENGINEER OF ANY UNDOCUMENTED LATERAL CONNECTIONS.

GENERAL NOTES:

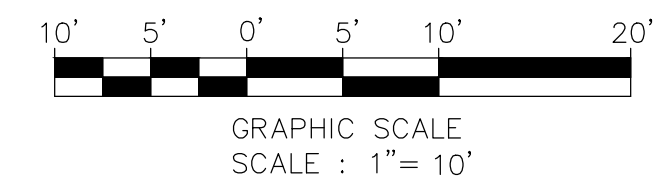
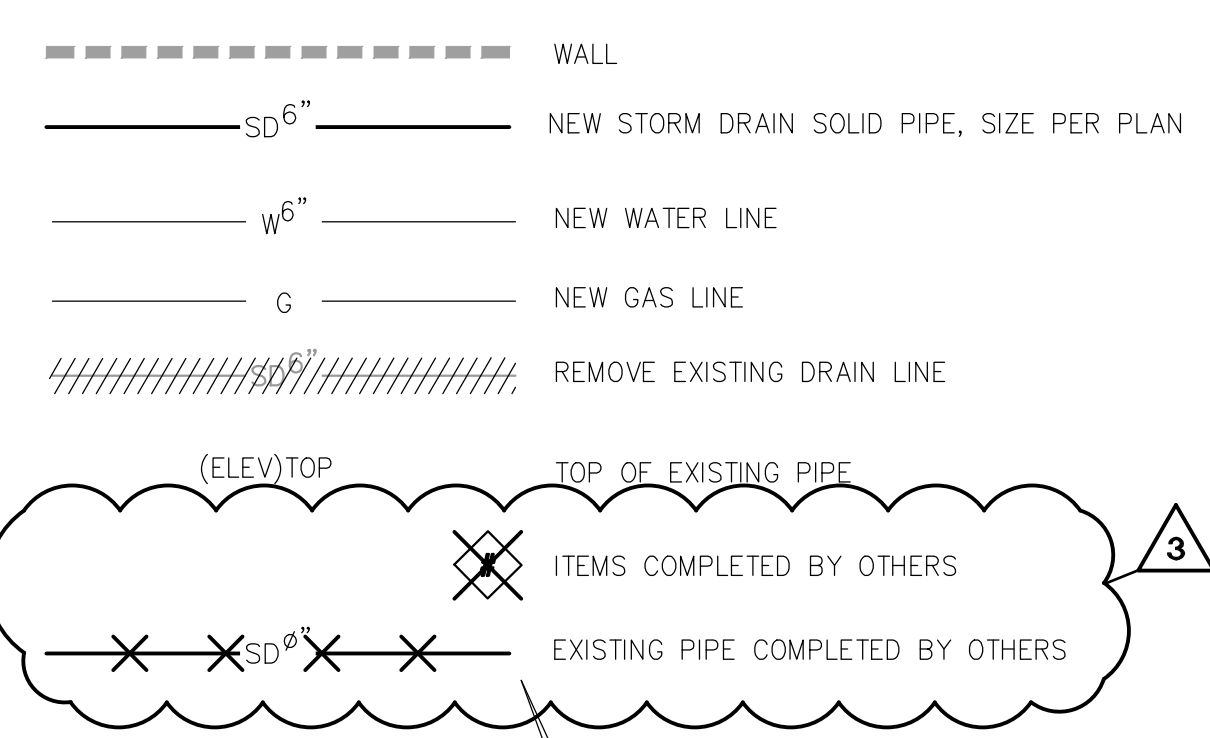
1. ALL PIPES SHALL BE BEDDED IN ACCORDANCE WITH DETAIL 5 ON SHEET C5.0
2. UNCLG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
3. WATER SERVICE LINE SHALL HAVE A MINIMUM OF 42" OF COVER OVER THE TOP OF PIPE
4. GAS LINE SHALL HAVE A MINIMUM OF 30" COVER OVER THE TOP OF PIPE
5. WHERE STORM DRAIN LINE IS WITHIN 5' OF THE COLUMN FOOTING PROVIDE SLURRY BACKFILL IN TRENCH FOR 10' CENTERED ON COLUMN FOOTING
6. CONTRACTOR SHALL POTHOLE AND LOCATE THE UPSTREAM AND DOWNSTREAM POINT OF CONNECTIONS PRIOR TO TRENCHING UTILITY. NOTIFY ENGINEER IF PIPE SIZE AND ALIGNMENT DIFFER FROM WHAT IS SHOWN ON PLAN.
7. GENERAL CONTRACTOR SHALL POTHOLE AND LOCATE THE EXISTING CONCRETE DUCT BANK ENCASUREMENT, WHERE THE PROPOSED SHADE STRUCTURE PILE FOOTINGS OCCURS. GENERAL CONTRACTOR TO TAKE ALL NECESSARY MEASURES TO PROTECT THE CONCRETE ENCASUREMENT IN PLACE. SEE UTILITY DRAWINGS FOR ADDITIONAL INFORMATION

3 GENERAL NOTE 7 ADDED.

PIPE MATERIALS TO BE USED ON PROJECT:

- STORM DRAINAGE 15" AND SMALLER: PVC SCHEDULE 40 DWV
- WATER LINE: AWWA C900, CLASS 305 (DR14)
- GAS LINE: GAS COMPANY APPROVED (YELLOW) NATURAL GAS PIPES- POLYETHYLENE (PE) PLASTIC PIPE, PE FITTINGS, AND HEAT-FUSION JOINTS MEETING THE REQUIREMENTS OF ASTM D 2513, ASTM 3261, AND ASTM D 2683

LEGEND:



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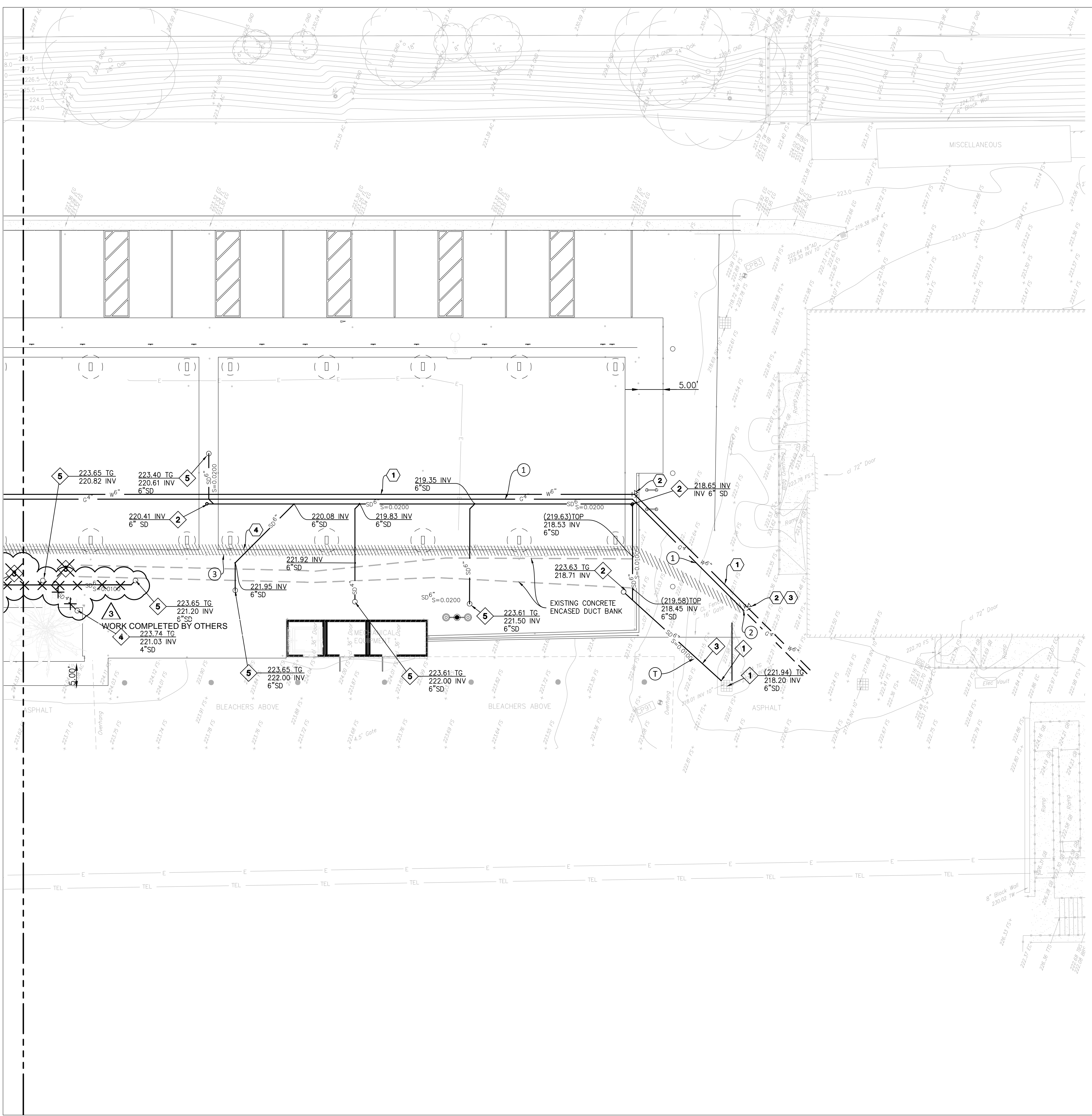
PROJECT NO: 22-VCCCD-10 PROJECT ARCH: Designer
DRAWN: Author CHECKED: Checker
SHEET NUMBER:

C4.0

DATE: SHEET: 6 OF

MATCHLINE: SEE SHEET C4.0

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STORM DRAIN NOTES:

- 1 POINT OF CONNECTION.
- 2 CLEANOUT PER DETAIL 7 CS.0
- 3 SOLID PVC PIPE SCHEDULE 40 DWV
- 4 ATRIUM DRAIN PER DETAIL 9 CS.0
- 5 AREA DRAIN PER DETAIL 10 CS.0
- P PROTECT IN PLACE
- T EXISTING OPEN TRENCH. SEE AS BUILT TOPOGRAPHIC SURVEY

WATER NOTES:

- 1 NEW 6" DIAMETER WATER LINE, SEE GENERAL NOTE 3
- 2 TRUST BLOCK PER COUNTY OF VENTURA STANDARD PLAN DRAWING W-19 WATER PRESSURE 300 PSI, SOIL BEARING 100 PSF
- 3 POINT OF CONNECTION, SEE GENERAL NOTE 6
- 4 REMOVE EXISTING WATER LINE. NOTIFY ENGINEER OF ANY UNDOCUMENTED LATERAL CONNECTIONS.

GAS NOTES:

- 1 NEW 4" DIAMETER GAS LINE, SEE GENERAL NOTE 4
- 2 POINT OF CONNECTION, SEE GENERAL NOTE 6
- 3 REMOVE EXISTING GAS LINE. NOTIFY ENGINEER OF ANY UNDOCUMENTED LATERAL CONNECTIONS.

GENERAL NOTES:

1. ALL PIPES SHALL BE BEDDED IN ACCORDANCE WITH DETAIL 5 ON SHEET C5.0
2. UNCLG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
3. WATER SERVICE LINE SHALL HAVE A MINIMUM OF 42" OF COVER OVER THE TOP OF PIPE
4. GAS LINE SHALL HAVE A MINIMUM OF 30" COVER OVER THE TOP OF PIPE
5. WHERE STORM DRAIN LINE IS WITHIN 5' OF THE COLUMN FOOTING PROVIDE SLURRY BACKFILL IN TRENCH FOR 10' CENTERED ON COLUMN FOOTING
6. CONTRACTOR SHALL POTHOLE AND LOCATE THE UPSTREAM AND DOWNSTREAM POINT OF CONNECTIONS PRIOR TO TRENCHING UTILITY. NOTIFY ENGINEER IF PIPE SIZE AND ALIGNMENT DIFFER FROM WHAT IS SHOWN ON PLAN.
7. GENERAL CONTRACTOR SHALL POTHOLE AND LOCATE THE EXISTING CONCRETE DUCT BANK ENCASUREMENT, WHERE THE PROPOSED SHADE STRUCTURE PILE FOOTINGS OCCURS. GENERAL CONTRACTOR TO TAKE ALL NECESSARY MEASURES TO PROTECT THE CONCRETE ENCASUREMENT IN PLACE. SEE UTILITY DRAWINGS FOR ADDITIONAL INFORMATION

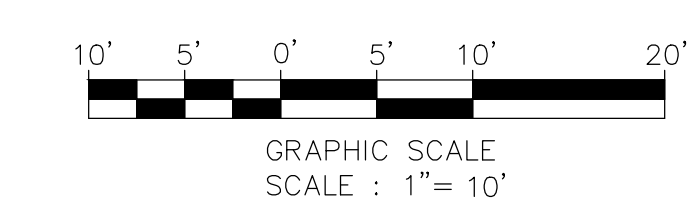
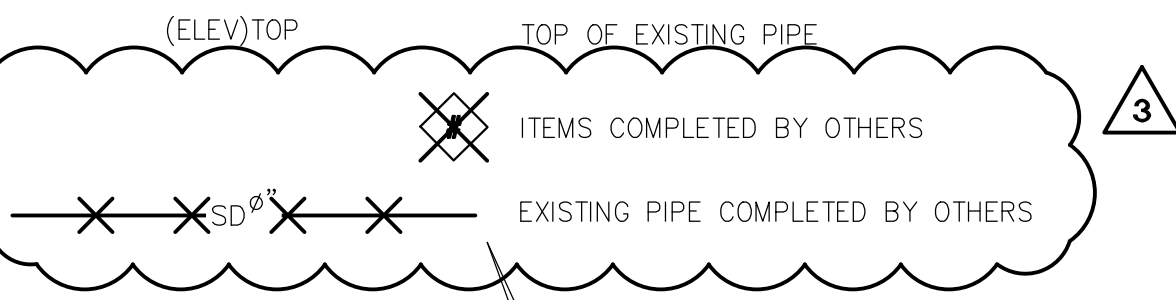
3 GENERAL NOTE 7 ADDED.

PIPE MATERIALS TO BE USED ON PROJECT:

- STORM DRAINAGE 15" AND SMALLER: PVC SCHEDULE 40 DWV
- WATER LINE: AWWA C900, CLASS 305 (DR14)
- GAS LINE: GAS COMPANY APPROVED (YELLOW) NATURAL GAS PIPES- POLYETHYLENE (PE) PLASTIC PIPE, PE FITTINGS, AND HEAT-FUSION JOINTS MEETING THE REQUIREMENTS OF ASTM D 2513, ASTM 3261, AND ASTM D 2683

LEGEND:

- WALL
- SD 6" ----- NEW STORM DRAIN SOLID PIPE, SIZE PER PLAN
- W 6" ----- NEW WATER LINE
- G ----- NEW GAS LINE
- /////// REMOVE EXISTING DRAIN LINE



DIVISION OF THE STATE ARCHITECT

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

VCCCD - #4 OUTDOOR WORKOUT - AEC
 Campus Student Center
 4667 Telegraph Road
 Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334
 amadorwhitell architects, inc.

CONSULTANT

MOLLENHAUER GROUP

CIVIL ENGINEERING SURVEYING+MAPPING LAND DEVELOPMENT
 213 624 2661 TEL
 919 W. GLENOAKS BLVD., 2nd FLOOR
 GLENDALE, CA 91202

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
 THOMAS M. TRAN
 No. 82464
 CIVIL
 STATE OF CALIFORNIA

| | |
|---|------------|
| △ 50% CONSTRUCTION DOCUMENTS | 2022-10-04 |
| △ 100% CONSTRUCTION DOCUMENTS | 2022-10-17 |
| △ DSA SUBMITTAL | 2022-12-07 |
| CCD-002, △ CONSTRUCTION COMPLETED BY OTHERS | 2023-08-09 |

SHEET TITLE:

UTILITY PLAN

| | |
|-------------------------|------------------------|
| PROJECT NO: 22-VCCCD-10 | PROJECT ARCH: Designer |
| DRAWN: Author | CHECKED: Checker |
| C4.1 | |
| DATE: | SHEET: 7 OF |

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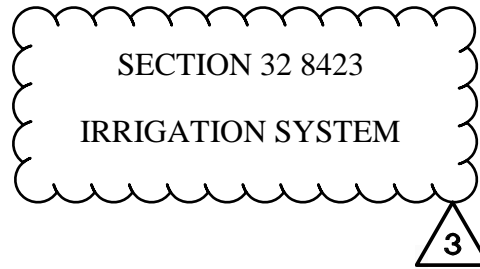
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PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. This section includes general requirements for the installation of the irrigation system.
- B. Related Sections:
 - 1. 32 9315 – Landscape Planting

1.02 CATALOG CUTS

- A. Ten (10) days after award of Contract submit to the District for approval, five (5) copies of all Manufacturer's catalog cuts, and specifications for all required products.

1.03 RECORD DRAWINGS

- A. The Contractor shall maintain a complete and accurate set of record drawings. These drawings shall be kept up to date with the progress of the Work. The Owner shall furnish a set of drawings on which to record drawing conditions. Record drawings shall be up-dated on a weekly basis.
- B. The Contractor shall indicate clearly and correctly Work installed differently from that shown on the Contract Drawings by dimensioning from two permanent points of reference. Show connections to existing water lines, ball valves, pressure supply pipe, control valves, quick couplers, and control wiring.
- C. On completion of the Work, the Contractor shall submit the completed Record Drawings to the Landscape Architect for transfer to electronic file. Once complete, this final electronic file shall be reviewed by the Contractor and certified as complete and accurate records of work as-built.

1.04 CONTROLLER CHARTS

- A. Reduce the approved irrigation record drawing to a size that will fit into the irrigation controller and remain legible. Color the chart with one color for each valve and its coverage area then have a printing company encapsulated the chart in 5 mil clear plastic. Install finished controller chart in the controller.

1.05 DRAWINGS

- A. For purposes of legibility, irrigation lines are essentially diagrammatic, although size and location of irrigation equipment are drawn to scale wherever possible. Make use of all data in all of the Contract Documents and verify this information at construction site.

1.06 MATERIALS TO BE FURNISHED

- A. Prior to final inspection, the Contractor shall furnish the following materials to the District: Two keys for each automatic controller, Two operating wrenches to manually open and close operating nut on gate valves.

1.08 ON-SITE OBSERVATIONS

- A. The Contractor shall notify the Landscape Architect and District Inspector forty-eight hours in advance for all required On-Site Observations. The final On-Site Observation shall require seven (7) days advance notice. The following are required On-Site Observations.

1. Job start meeting.
2. Prior to start of work review existing irrigation system adjacent to the retrofit work. Review all circuits which may be affected by the new work and review with the Landscape Architect any existing defects or deficiencies that can be determined.
3. Review irrigation mainline with the Landscape Architect prior to backfilling. Record drawings must be current at the time of these On-Site Observations.
4. Review with the Landscape Architect the irrigation main line when pressure test is complete. Pressure supply lines shall be tested under hydrostatic pressure of one hundred fifty pounds per square inch for a period of two hours and must be approved by the Landscape Architect prior to backfilling.
5. Irrigation system coverage test. When the irrigation system is completed, determine if the water coverage for the planting areas is complete and adequate. Furnish all materials and perform all work required to correct any inadequacies of coverage due to deviations from the Contract Drawings. Irrigation coverage must be approved by the Landscape Architect and District Inspector before any ground cover or shrubs are planted.

PART 2 - PRODUCTS

2.01 GENERAL

- A. Pipe Cable & Wire

1. Sleeving - Sch. 40 PVC and Class 200 PVC - 3 Pipe sizes larger than the pipe to be sleeved - 24" below grade. See pipe sleeving chart on irrigation plan, or as noted on irrigation plan.
2. Mainline - (Pacific Plastics) Class 315 PVC - Standard white color - 2" through 4" - Solvent weld - 24" below grade.
3. Mainline - (Pacific Plastics) SCH. 40 PVC - Standard white color - 1-1/2" & Smaller - Solvent weld 24" below grade.

4. Lateral - (Pacific Plastics) Schedule 40 PVC - Standard white color - 3/4" & Larger - Solvent weld - 12" below grade.
 5. Irrigation wire – direct bury 14 AWG wire with colored PVC insulation. Paige wire Model P7001D or approved equal.
- B. Quick Coupling Valve (Rain Bird) 44 RC - 1" size - In 10" Green colored round valve box.
- C. Valve Boxes
1. Valve boxes for quick couplers, drip system flush valves, and two wire system ground rods shall be 10" round, green lid, with locking bolt. Manufactured by NDS Model No. 212BCB or Carson Model No. 910-3B-Green or approved equal.
 2. Valve boxes for SCH. 80 PVC ball valves, gate valves, flow sensors, and wire pull boxes shall be standard rectangular valve boxes 14" W x 19" L x 12" D rectangular, with 6" D valve box extension, green lid, and locking bolt. Manufactured by NDS Model No. 216BCB with 6" valve box extension model 216 or Carson Model No. 1419-12-Green with 6" valve box extension model 1419-6X or approved equal.
 3. Valve boxes for remote control valve assemblies and drip remote control valve assemblies shall be jumbo rectangular valve boxes 13" W x 24" L x 15" D rectangular, green lid, and locking bolt. Manufactured by NDS Model No. 222BCB or Carson Model No. 1324-15-Green or approved equal.
 4. Valve boxes for manual drip flush valve and for pressure regulating drip filter on PVC lateral shall be 10" round, green lid, with locking bolt. Manufactured by NDS Model No. 212BCB or Carson Model No. 910-3B-Green or approved equal.
 5. Valve box for drip tubing air / vacuum relief valve shall be 6" round, solid green lid. Manufactured by NDS Model No. 208BC or Carson Model No. 809-09-Green Lid or approved equal.
- D. Valves:
1. Gate Valves (Mainlines 2-1/2" size or larger) - shall be line size, ductile iron, epoxy coated, flanged body, with an operating nut, installed in a jumbo valve box. Nibco model F-619RW-SON Series or Leemco LMV-11SB (Spigot x Bell).
 2. PVC Ball Valve (Mainlines 1-1/2" size or less) – shall be line size, Sch. 80 PVC ball valve with unions - in a standard rectangular valve box - green lid. Colonial / Lasco model VXX101N-SC series or Spears Tru-Union series.
 3. Pressure Regulating Drip Remote Control Valve Assembly - (Rain Bird) - sizes noted per plan, with Rain Bird pressure regulating filter, model EFB-CP-PRS-D with model PRB-QKCHK-100 filter, 1" size. All assemblies shall be installed in a jumbo valve box.

4. Pressure Regulating Remote Control Valve - (Rain Bird) – EFB-CP-PRS-D Series - sizes noted - in a green colored Jumbo rectangular valve box.
- E. Solvents-PVC primer and solvents – As recommended by manufacturer. Weld-on, Christy, or equal.
- F. Dripline tubing – polyethylene tubing, 5/8” in diameter, with 1 GPH pressure compensating emitters installed 12” o.c., Toro Model RGP-412-XX or equal
- G. Flexible Sch. 40 PVC Hose-PVC Flex Hose – constructed from durable, UVR, S-0214 non-rigid PVC blend materials, furnished with algae resistant compound, solvent weld, black in color, with black PVC UVR fittings I.P.S. 3/8” size, manufactured by GPH Model GPVCSAR050IRR (0.84”) O.D., black in color or equal.
- H. PVC Main Line Fittings-Main Line Fittings for pipe sizes of 2” or less, shall be SCH. 80 PVC, Type 1, Grade 1, Cell Classification 12454-B, side gated, Lasco, Spears, or equal.
- I. Nipples and Risers-Nipples and Risers shall be PVC Schedule 80.
- J. Flood Bubblers – ½” FPT black plastic body, pressure compensating. GPH Irrigation Inc. model GPCBCV25, Hunter model PCB-25, or Rain Bird model 1401.
- K. Direct Bury Splice Kit-3M Model DBR-Y6 or Rain Master approved equal.
- L. Pop Up Turf Spray Heads - manufactured by Rain Bird, model RD-06-S-P30-HE-VAN Series spray nozzles or Hunter model PROS-06-PRS30-CV-Pro Adjustable spray nozzles. No known equal.
- M. Pop Up Drip System Operation Indicator - manufactured by Toro, model 570C-12P-XF-COM with a 5Q standard nozzle, completely closed or approved equal.
- N. Auto Controller shall be existing on site.
- O. Mainline Fittings for Mainline Pipe Sizes 2-1/2” through 4” size shall be ductile iron, epoxy coated, self-restraining fittings manufactured by Leemco Industries or approved equal.
- P. Mainline fittings for mainline pipe sizes 2” or smaller shall be Schedule 80 PVC, Type 1, Grade 1, Cell Class 12454-B, side gated, Lasco, Spears, or equal.
- Q. PVC Lateral Line Fittings for all pipe sizes shall be SCH. 40 PVC, Type 1, Grade 1, Cell Classification 12454-B, side gated, Lasco, Spears, or equal.

PART 3 - EXECUTION

3.01 SITE CONDITIONS

- A. Before starting Work on irrigation system, carefully check all grades to determine that Work may safely proceed, keeping within the specified material depths.

- B. Do not willfully install the irrigation system as indicated on the Drawings when it is obvious in the field those unknown obstructions, field dimensions, or grade differences exist, that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the Landscape Architect.
- C. The installation of all irrigation materials, including pipe, shall be coordinated with the landscape Drawings to avoid interfering with the trees, shrubs, or other planting.
- D. Lay out irrigation heads and make any minor adjustments required due to differences between site and Drawings. Any such deviations in layout shall be within the intent of the original Drawings, and without additional cost to the District. When directed by the Landscape Architect the layout shall be approved before installation.

3.02 WATER SUPPLY

- A. Connections shall be existing main line as indicated on the drawing. Make connections, install new main, and perform all necessary work.

3.03 PIPE FITTINGS

- A. All plastic threaded pipe and fittings shall be assembled using non-hardening sealant
- B. All plastic slip fittings shall be solvent-welded as per pipe manufacturer's recommendations.

3.04 LINE CLEARANCE

- A. All lines shall have a minimum clearance of four inches from each other, and six inches from lines of other trades. Parallel lines shall be installed directly over one another.

3.05 TRACE WIRE

- A. 3" blue colored detectable marking tape "Irrigation Water", Christy model TA-DT-3-BIRR, or equal. Install 9" below grade directly over irrigation mainline.

3.06 TRENCHING

- A. Dig trench and support pipe continuously on bottom of ditch. Snake pipe in trench to an even grade as noted.
- B. Provide minimum cover of 24 inches for all pressure supply lines.
- C. Provide minimum cover of 24 inches for all control wires.
- D. Provide minimum cover of twelve inches for all other non-pressure lines.
- E. All lines under driveway and roadway pavement shall have a twenty-four inch minimum cover below sub-grade.

3.07 BACKFILLING

- A. Backfill for trenching shall be compacted to a dry density equal to the adjacent undisturbed soil, and shall conform to the adjacent grades without dips, sunken areas, humps, or other irregularities. Initial backfill on all lines shall be of a fine granular material with no foreign matter larger than one inch in size and six to eight inches deep.
- B. All irrigation lines under paving shall be backfilled entirely with sand and compacted.
- C. Trenches shall be backfilled promptly after the open trench inspection.
- D. After initial backfill placement of 15" over mainline, place caution tape and complete backfill.

3.08 CONTROL WIRES

- A. 24-volt conductors shall be U.F. type, solid wire, U.L. approved for direct burial. Minimum size shall be 14 Ga. or as noted on drawings, used to connect remote control valve solenoids to Calsense two wire decoders, Paige Wire or approved equal.
- B. Wiring shall occupy the same trench and shall be installed along the same route as the pressure supply line wherever possible.
- C. An expansion loop of 48" inches shall be provided at each wire connection and/or directional turn, along mainline run. Provide an expansion loop of 48" within all wire pull or splice boxes.

3.09 BUBBLERS

- A. Layout proposed planting design with marking flags to indicate tree locations. Obtain approval from the District before proceeding.
- B. Trench and install laterals. Install Schedule 40 PVC piping as per plan with flexible PVC tubing segments ending adjacent to each proposed plant location root ball. Refer to irrigation details for all installation requirements and specific equipment components.
- C. Flush system thoroughly and install pressure compensating emitters as per plan.

3.10 SLEEVING

- A. All lines under paving with PVC pipe with minimum 3 pipe sizes larger than the O.D. of the line to be sleeved. Refer to irrigation sleeving schedule on irrigation plan

3.11 FLUSHING THE MAINLINE

- A. Make provisions to flush new main line clean and protect existing main line and existing circuits from any debris.

3.12 FLUSHING THE SYSTEM

- A. After all new irrigation pipe lines and risers are in place and connected, all necessary diversion work has been completed, and prior to installation of irrigation heads, the control valves shall be opened, and a full head of water used to flush out the system.

3.13 ADJUSTING OF SYSTEM

- A. Adjust valves, and alignment and coverage of all irrigation heads.
- B. If it is determined that adjustments in the irrigation equipment or nozzle changes will provide proper and more adequate coverage, make all necessary changes, without additional cost to the Owner, prior to any planting.
- C. The entire system shall be operating properly before any planting operations commence.
- D. Existing system, which may be affected by retrofit, should be tested for leaks, coverage, etc. before and after new installation is completed. Defective valves, etc. that were operable before installation must be repaired and/or replaced by the contractor.

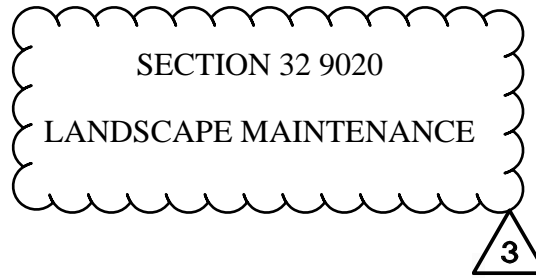
3.14 CLEAN-UP AND REPAIR

- A. Upon completion of the Work, make the ground surface level, remove excess materials, rubbish, debris, etc., and remove construction and installation equipment from the premises. Dispose of in a safe and legal manner.
- B. Replace and/or repair to the satisfaction of the District all existing paving disturbed during the course of this work. New paving shall be the same type, strength, texture, finish, and be equal in every way to the material removed.

3.15 GUARANTEE

- A. The entire irrigation system shall be guaranteed by the Contractor as to material and workmanship, including settling of backfilled areas for a period of one year following the date of final acceptance of the work.
- B. This guarantee is in addition to, and not a limitation of, other rights the district may have under the Contract Documents.

END OF SECTION



PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. This section includes general requirements for the landscape maintenance.

1.02 MAINTENANCE PERIOD

- A. Once all landscape work is complete and approved by the District and all punch list items have been corrected and approved by the District, the Contractor will receive a written letter authorizing the start of the ninety-calendar day Landscape Maintenance period.

1.03 MAINTENANCE PERFORMANCE REVIEW SCHEDULE

- A. The Contractor shall schedule an on-site review with the District Inspector and the Landscape Architect to review the condition of the landscape area being maintained every (30) days during the maintenance period. If any deficiencies exist, a punch list will be issued for the Contractor to address immediately. Failure to perform any punch list item in a timely manner (within 5 business days), shall delay payment for that portion of the maintenance period until the identified punch list item has been corrected. If the project is being maintained in a professional manner, District reserves the right to waive progress inspections during the (90) day maintenance period.

1.04 FINAL LANDSCAPE APPROVAL AND TURNOVER TO DISTRICT

- A. At the end of the ninety-day maintenance period, the Contractor shall schedule an on-site inspection with the District Inspector and the Landscape Architect to determine if the landscape planting and irrigation is ready for the District to accept. If the landscape is not ready for acceptance, a punch list will be prepared for the Contractor to complete, and the maintenance period will extend until the punch list items have been approved by the District Inspector.

1.05 MAINTENANCE INSPECTION NOTIFICATIONS

- A. A minimum of 48 hours is required when scheduling a maintenance on-site review.

1.06 REQUIREMENTS OF REGULATORY AGENCIES

- A. Any required spraying work shall be done in accordance with governing agencies and the District policies. No spraying shall occur without prior written approval from the District.

PART 2 - PRODUCTS

- 2.01 All materials used in conjunction with the maintenance work shall conform to the material requirements originally specified for the work. Apply at Manufacturer's recommended rate

PART 3 - EXECUTION

3.01 PEST AND DISEASE CONTROL

- A. Provide rodent, insect, pest, and disease control services at the first sign or symptom of infestations, or as directed by the District.
- B. Notify the District at the first sign or symptom of pest or disease.
- C. Perform pest and disease control services in accordance with the District policies.

3.02 TREE AND SHRUB CARE

- A. Tree pruning shall include the removal of broken, dead, or crossed branches and removal of sucker growth. Tree guys and staking shall be visually inspected and maintained in a secure manner.
- B. All walkways shall be kept clear for safe pedestrian passage.
- C. Shrub care shall include the clearance of mulch and any debris that accumulates around the shrub crown.
- D. Shrub areas shall be kept weed free by manually removing any weeds that appear on the weekly visit.
- E. If any plant dies for any reason or is damaged for any reason during the maintenance period, the Contractor shall replant as originally specified at no cost to the District.

3.03 IRRIGATION SYSTEMS

- A. Irrigation system maintenance shall include, operating, adjusting, and repairing the irrigation system to perform as designed.
- B. On each visit, visually and hydraulically inspect the irrigation system to ensure that no sprinkler breakage has occurred, no foreign matter is clogging the sprinkler heads and that sprinkler coverage and arc of sprays is proper and shall correct any other inadequacies that might impair the proper performance of the irrigation system. Minor irrigation repairs shall be accomplished by the weekly maintenance crew as needed with the like kind materials unless otherwise authorized by the District.
- C. Malfunctioning valves shall be brought to the attention of the District for approval of appropriate repair.
- D. Notify the District immediately of any system failure or disruption in order that steps can be taken to rectify the problem.

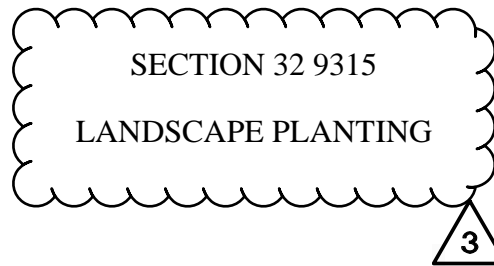
3.04 HARDSCAPED AREAS

- A. Maintain all hardscape areas weed-free. Use of chemicals is elective with Contractor, subject to prior approval by District Inspector, and shall conform as specified. The use of toxic chemicals shall require proof of proper permit for use on this jobsite. Weed control shall be performed as often as needed or required.

3.05 IRRIGATION SCHEDULING

- A. At least once every two weeks, the Contractor shall review water requirements of the project by probing in at least one area covered by each sectional valve and ascertaining the anticipated water requirements, adjusting the automatic controller accordingly. Particular attention shall be given to avoid applying more water than the soil can absorb at one time. Where more water is required than the soil can take at one time, Contractor shall set the automatic timer for repeat cycles at short intervals to satisfy the ultimate water demand. In no cases shall water be allowed to run across the surface of the ground.

END OF SECTION



PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. This section includes requirements for the installation of the plant material.
- B. Related Section:
 - 1. 32 8423 – Irrigation System
 - 2. 32 9020 – Landscape Maintenance
 - 3. 32 9340 – Decomposed Granite

1.02 SUBMITTALS

- A. Furnish material invoices indicating the quantities of fertilizers, soil amendments, and all materials delivered to the job site. Material invoices must be approved by the Landscape Architect prior to incorporating soil amendments. Certificates shall be prepared by the supplier or distributor and shall indicate the quantities and qualities of materials used.
- B. Plant Material – Submit clear photos of all plant material specified taken and the source. Indicate plant material height and spread measured at the source. Photos must clearly show the plant quality and size. The Landscape Architect will determine if the photos meet the specifications and if further site inspection at the nursery is required or if another source is required to produce the specified plant material.

1.03 PROTECTION

- A. Contractor shall check or locate existing structures, electric cables or conduits, utility lines and other existing features or conditions above or below ground level that might be damaged as a result of the operation. Questions or conflicts arising out of such examination prior to or during operation shall be immediately directed to the attention of the District for necessary action or decisions before resuming operation. Contractor shall be responsible for repair or replacement at no cost to the District for features or conditions damaged through failure to comply with the above procedures.

1.04 ALTERNATES

- A. Alternates will not be permitted, except where indicated, and as approved by the Landscape Architect.

1.05 LANDSCAPE ON-SITE OBSERVATIONS

- A. The Contractor shall notify the district and the Landscape Architect forty-eight (48) hours in advance for all required On-Site Observations. The final On-Site Observation shall require seven (7) days advance notice.
- B. The Contractor shall submit for approval a complete work schedule indicating tentative dates for On-Site Observations.
- C. Record drawings shall be current and present at the time of On-Site Observations and shall be updated on a weekly basis.
- D. Landscape On-Site Observations shall be required for the following phases of Work
 - 1. Job start meeting.
 - 2. Finish grading - When all fine grading work is complete, notify the Landscape Architect for approval prior to proceeding with the planting.
 - 3. Soil Preparation - furnish certificates for soil amendments at this time. Quantities must be reviewed by the Landscape Architect prior to incorporating into soil. When all soil preparation work is complete notify the Landscape Architect for approval prior to proceeding with the work.
 - 4. Irrigation System Review - See Irrigation Section.
 - 5. Review plant material for quality prior to planting. The Landscape Architect has the right to reject any plant material that it deems unacceptable at time of delivery.
 - 6. Review planting during the planting process.
 - 7. Review planting after installation.
 - 8. Pre-maintenance - When all Work has been completed a pre-maintenance walk thru shall be conducted and the contractor must receive approval from the District prior to starting the maintenance period.
 - 9. Maintenance - Notify the District and the Landscape Architect after the maintenance period has progressed for thirty days for a review of all work and make all corrections that are deemed necessary.
 - 10. Final Review - After the ninety-day (90) maintenance period is complete notify the District and the Landscape Architect for a final review of all work. All work must receive approval from the District and the Landscape Architect prior to being deemed complete and or filing a notice of completion.

1.06 QUALITY

- A. All plant material shall have a growth habit normal to the species and shall be sound, healthy, vigorous, and free from insect pests, plant diseases, sun scalds, fresh bark abrasions, excessive abrasions, or other objectionable disfigurements. Tree trunks

shall be sturdy and well "hardened off." All plants shall have normal well-developed branch systems, and vigorous and fibrous roots systems which are neither root- nor pot-bound and are free of kinked or girdling roots.

1.07 GUARANTEE

- A. All plant material shall be guaranteed for one year. This guarantee is in addition to, and not a limitation of, other rights the District may have under the Contract Document.

PART 2 - PRODUCTS

2.01 MATERIALS – LANDSCAPE

- A. Trees: varieties, sizes, and quantities, as noted on plans.
- B. Tree Stakes: Tree Stakes shall be 2" diameter Lodgepole pine, pressure treated with Chemonite (ACZA) @ .40 pounds per cubic foot, for in-ground rating. Stakes shall be 10 feet long. Horizontal supports shall be 1x6 cedar.
- C. Tree Ties: Tree Ties shall be virgin flexible vinyl, meeting ASTM-D-412, with U.V. inhibitor. 24" inches long. (Cinch Ties of eq.)
- D. Soil Amendments: Organic soil amendment shall be Agromin "Agromend," or equal.
- E. Shrubs: varieties, sizes and quantities as noted on the plans.
- F. Pre-Emergent Herbicide shall be Ronstar. Once planting operations and fine grading work has been completed, apply Ronstar over the exposed soil surface prior to the installation of both weed fabric and mulch at rates per manufacturer's specifications.
- G. Mulch: Agromin model `ES-2' – Finish grade soil in all planters to a smooth uniform surface suitable for both weed fabric and mulch installation. Install weed fabric first then cover weed fabric with a three-inch layer of mulch throughout shrub and tree planters. Keep mulch away from direct contact with both shrub and tree crowns. Dress mulch areas to present a clean, uniform appearance when completed.
- H. Weed Fabric: Mirafi model `Mscape' install on all shrub and mulch covered planting areas. Secure fabric to soil using 6" long metal soil staples spaced 5'-0" o.c. in a triangular pattern.
- I. For Bid Purposes Only: Backfill Material shall be:
1. 1/3 organic soil amendment
 2. 2/3 existing site soil.
 3. Commercial Fertilizer (15-15-15), 1 lb./cu. yd.
 4. Iron, Zinc, Manganese, 1 oz./cu. yd.

- J. For Bid Purposes Only: Soil preparation materials per 1,000 square feet:
1. Four cubic yards of organic soil amendment
 2. Commercial Fertilizer (15-15-15), eight pounds

PART 3 - EXECUTION

3.01 SITE CONDITION

- A. No plant materials shall be planted until all operations in conjunction with the installation of the irrigation system have been approved by the District and the Landscape Architect. Final grades shall be established, and the planting areas shall be properly prepared and graded.

3.02 GROUND PREPARATION – ALL AREAS

- A. After the Site Clearance and Preparation has been approved by the District, planted areas shall be thoroughly cultivated to a depth of six inches to reduce any compaction, which occurs as a result of construction. Protect existing tree roots.
- B. Stones or rocks over 1” in size, construction refuse, and other deleterious material shall be removed from the site, safely and legally disposed of.
- C. Apply soil preparation materials to all planting areas and thoroughly incorporate into the top six inches of soil or as directed by soil scientist report.
- D. Wet soil thoroughly and allow to settle. Repeat this compaction procedure until soil is stable enough to permit aeration and drainage for plant material.
- E. Finish grade all planting areas to a smooth, uniform surface ready for planting. Finish grade shall be one inch below finish grade of adjacent paved surfaces unless otherwise noted on Drawings.

3.03 TREE STAKING

- A. Stake each tree with four lodge pole stakes, firmly set into the grade and in alignment forming a square. Secure the four poles with 1x6 cedar horizontal supports, attach with deck screws. Secure tree trunk with cinch ties

3.04 PLANTING – TREES & SHRUBS

- A. Trees and shrub planting shall comply with details on drawings.
- B. Make necessary adjustments and excavate pits of square outline and vertical sides for all plants. Scarify sides and bottoms of all plant pits. Set trees vertical.
- C. Protect roots or ball of plants at all times from sun and drying winds.
- D. If directed by the Landscape Architect, the Contractor shall prune plants in accordance with standard horticultural practice.

- E. Wet soil thoroughly and allow to settle. Repeat this compaction procedure until soil is stable enough to permit aeration and drainage for plant material.

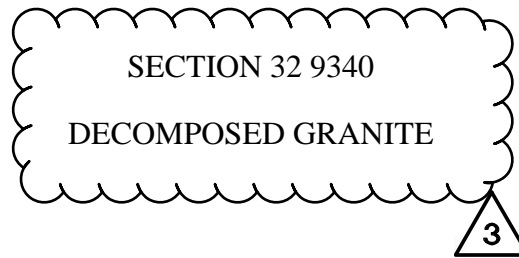
3.05 MULCH

- A. Install three-inch layer of mulch throughout shrub areas. Finish grade shrub areas to a smooth uniform surface to receive mulch. Keep mulch away from tree and shrub crown. Dress mulch areas to present a clean uniform appearance when complete.

3.06 LANDSCAPE WEED FABRIC

- A. Applied throughout all planting areas. Overlap fabric six inches and staple with 6-inch galvanized staples at 24 inches along the border and 36 inches in the field. Cut out just enough room for the shrub and tree planting pit. Secure the fabric around each planting pit with staples.

END OF SECTION



PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. This section includes general requirements for the installation of the decomposed granite paving around the existing Canary Island Date Palms..

1.02 SUBMITTALS

- A. Submit three (3) samples of decomposed granite in one-quart clear bags for review and approval along with all other Manufacturer's product specification sheets for pins, fabric, and stabilizer.

PART 2 - PRODUCTS

2.01 DECOMPOSED GRANITE

- A. Decomposed granite shall be ¼" minus 'California Gold' as available at Southwest Boulder and Stone (877/792-7625) or approved equal.

2.02 DECOMPOSED GRANITE STABILIZER

- A. Decomposed granite stabilizer shall be Technisoil G3 pathway stabilizer at the rate of 1 gallon per 20 sq. ft. or approved equal unless the DG is stabilized at the plant.

2.03 LANDSCAPE FABRIC

- A. Landscape fabric shall be Mirafi M-Scape Geosynthetics for non-woven landscape applications or approved equal.

2.04 FABRIC PINS

- A. Fabric pins shall be 6" x 1" x 6", 11 gauge galvanized "U" pins.

PART 3 - EXECUTION

3.01 SITE PREPARATION

- A. Remove existing debris around the Palm trees and prepare the soil to receive the decomposed granite.
- B. Install the landscape fabric throughout the and tightly up to and around the boulders. Lay fabric smooth and uniform throughout the D.G. area after the subbase has been approved by the District Inspector. Secure with pins at 24" on center around the perimeter and at 36 inches on center throughout the field. Along the edge conditions, bury the fabric a minimum of 3 inches into the compacted subgrade.

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- C. Place a 3-inch layer of decomposed granite. Evenly grade using landscape rakes then apply Technisoil G3 pathway stabilizer, evenly and thoroughly at the rate of 1 gallon per 20 sq. ft. After G3 is fully absorbed into material, compact surface to 95% using vibrator plate compactor. After compaction, the section of D.G. must be a minimum of 3 inches throughout.

END OF SECTION