

PLAYGROUND RELOCATION

PLOT BY: VELAZQUEZ
PLOT DATE: MAY 26, 2020 - 2:04PM
DRAWING NAME: I:\JMS\2018\04\02 - ELSD EASTSIDE ACADEMY PLANNING\PLT OF FLESG-001R.DWG

AGENCY APPROVAL FILE #42-48



660 HIGUERA STREET, SUITE C
SAN LUIS OBISPO, CA 93401
TEL (805) 476-0399

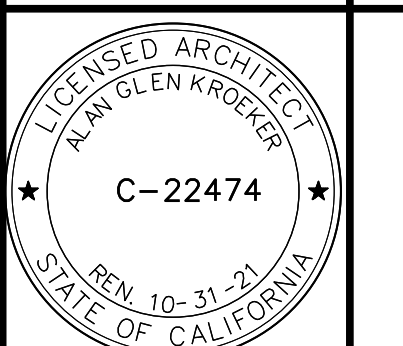
CONSULTANTS

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 245 Higuera Street
 San Luis Obispo, CA 93401
 TEL (805) 540-5115

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FIRMA CONSULTANTS INCORPORATED
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San Luis Obispo, CA 93401
TEL (805) 781-9800

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REVISIONS

[illegible]

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PROJECT OWNER & TITLE
**EASTSIDE UNION SCHOOL
DISTRICT**
45006 North 30th Street East
Lancaster, CA 93535

EUSD EASTSIDE ACADEMY PLAYGROUND

SHEET TITLE

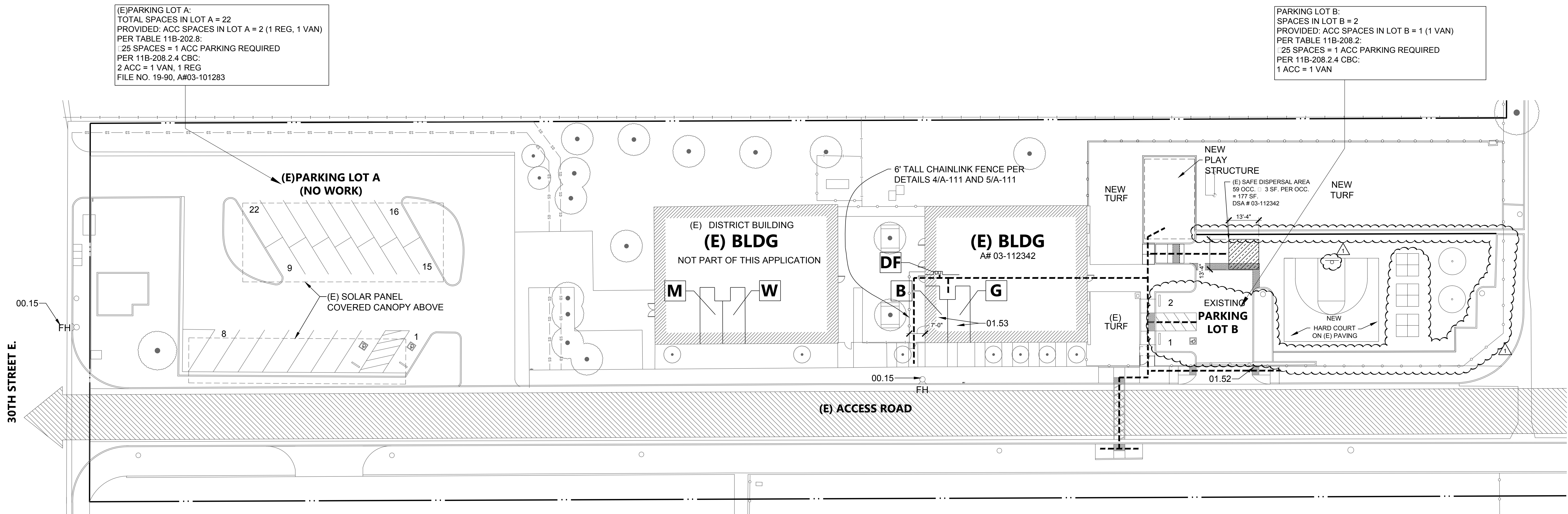
CODE SITE PLAN

DRAWN BY:	SR	JOB NUMBER: 18181.02
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SHEET NO.

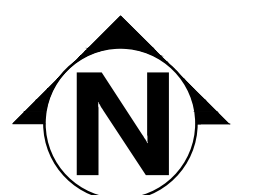
G-201

DATE: MAY 26, 2020

**CODE SITE PLAN**

SCALE: 1" = 20'-0"	1
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1



CODE ANALYSIS LEGEND

G	(E) GIRLS ACC RESTROOM PER A# 03-112342
B	(E) BOY'S ACC RESTROOM PER A# 03-112342
M	(E) STAFF MEN'S ACC RESTROOM PER A# 03-105304
W	(E) STAFF WOMEN'S ACC RESTROOM PER A# 03-105304
DF	(E) ACC HI-LO DRINKING FOUNTAIN PER A# 03-112342

 20' WIDE FIRE ACCESS LANE

_____ . . _____ PROPERTY LINE

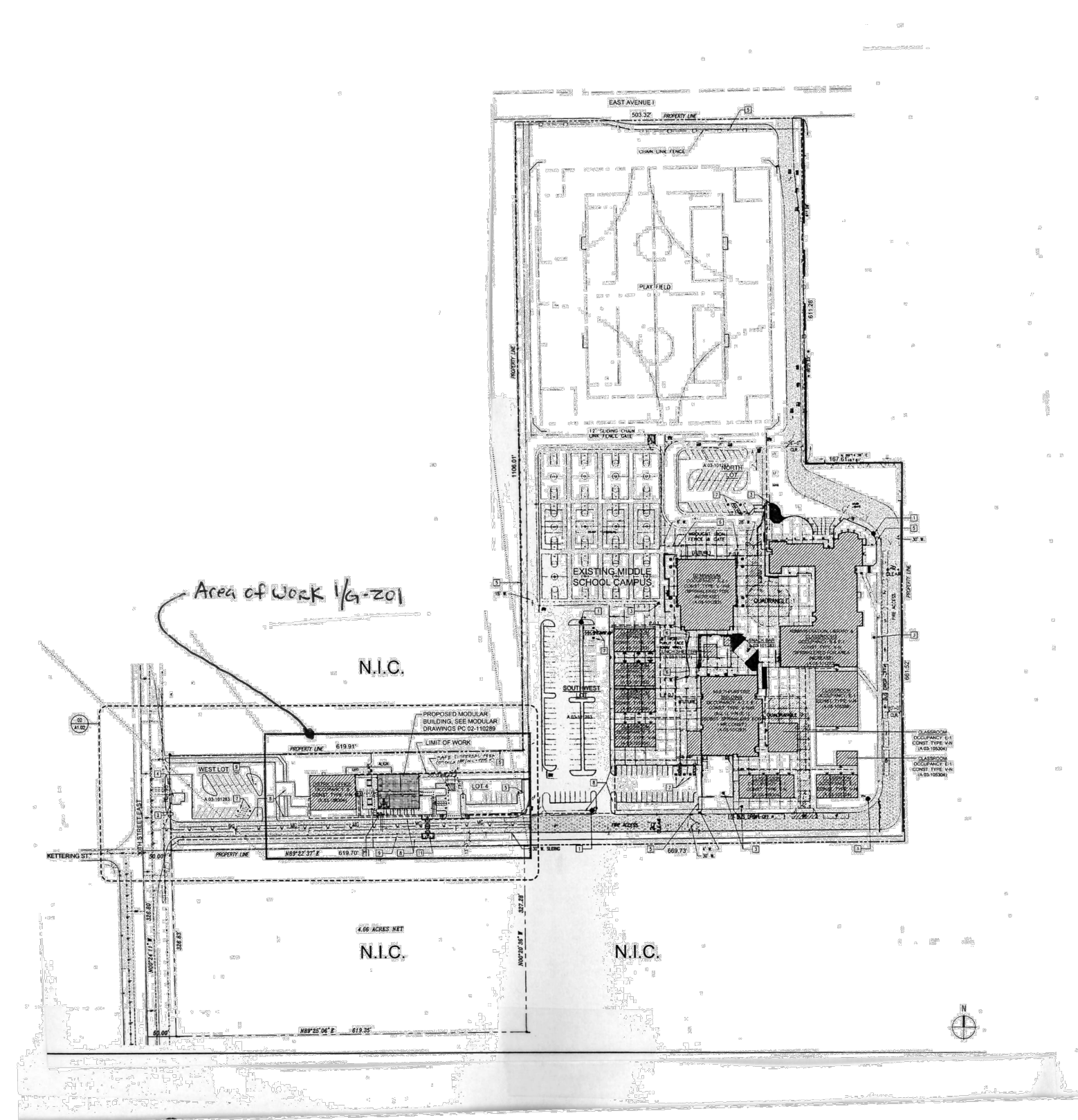
PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. THE PATH SURFACE SHALL BE SLIP RESISTANT. PAVEMENT SHALL BE 4" MINIMUM. PAVING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 20' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60° LEVEL AREAS NOT LESS THAN 4' IN LENGTH. MAXIMUM SLOPE SHALL BE 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (POT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4) AND PROTRUSING OBSTRUCTIONS SHALL BE MORE THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 60".

DESIGN PROFESSIONAL, IN GENERAL, RESPONSIBLE CHARGE STATEMENT:
THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERNATE ACCESS TO THE PROJECT. THE P.O.T. WAS EXAMINED AND THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK REQUIRED TO BRING THE PROJECT INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE NOT CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARSHNESS ARE SO

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

KEYNOTES

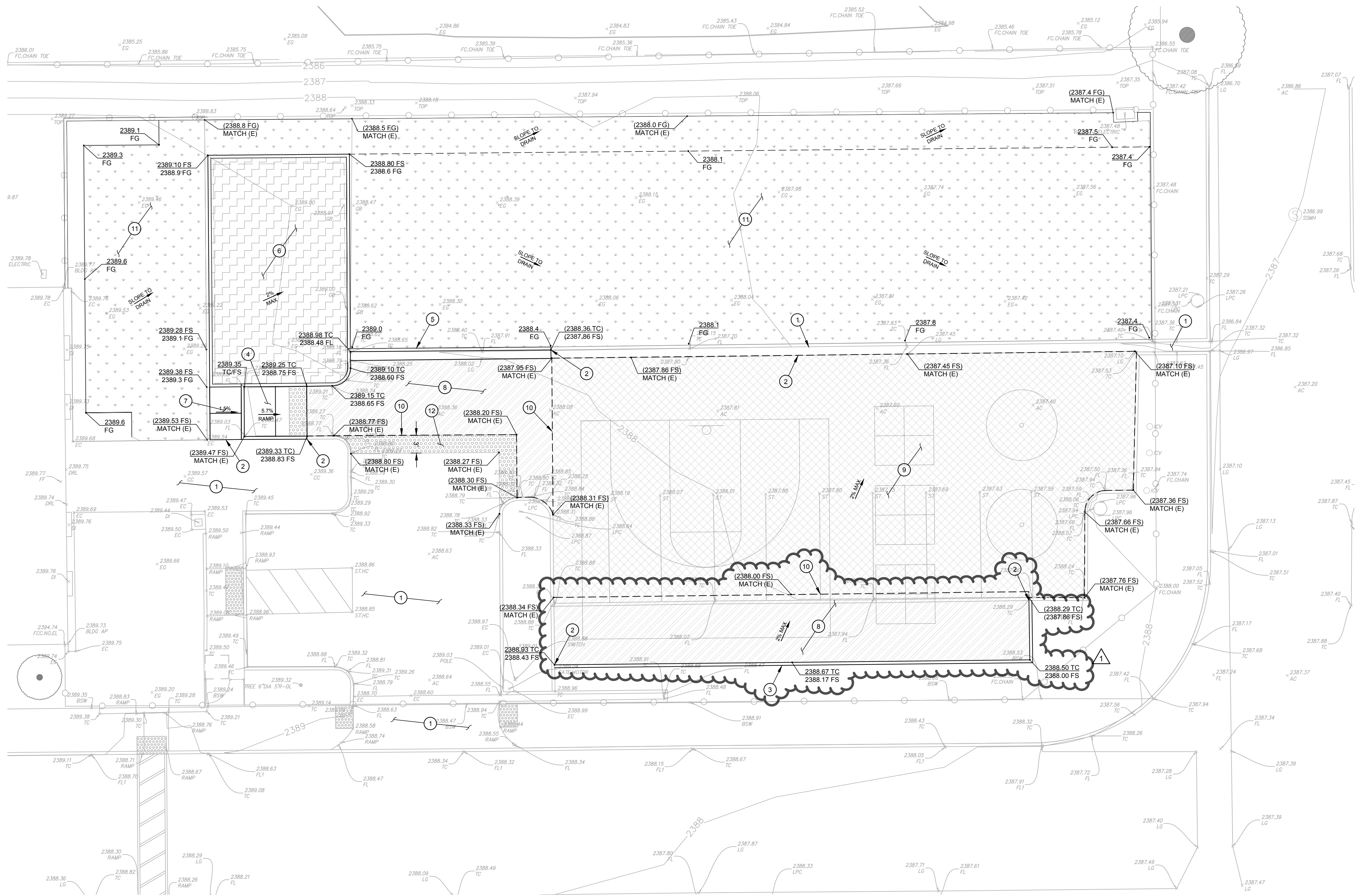
- 00.15 (E) FIRE HYDRANT
- 01.52 AUTHORIZATION SIGNAGE PER DETAIL 22/A-111
- 01.53 EXISTING RESTROOM (BOY'S & GIRLS.) TO BE UPGRADED TO CURRENT CBC 2016 CODE.
SEE LIST BELOW:
 - ① ROOM IDENTIFICATION AND DOOR SIGNAGE AT ENTRY DOOR AND WALL
 - ② SELF-CLOSING HINGE AT WHEELCHAIR ACCESSIBLE STALL DOOR
 - ③ SLIDE BOLT OR FLIP-OVER TYPE LATCH AT WHEELCHAIR ACCESSIBLE STALL DOOR
 - ④ LOOP OR U-SHAPED WIRE PULLS BOTH SIDES OF D.P. SHALL DOOR, 34"-44" A.F.F.
 - ⑤ COAT HOOK AT 48" A.F.F. MAX AT WHEELCHAIR ACCESSIBLE STALL
- ⑥ ENTRY DOOR OPERATING PRESSURE TO OPEN 5 LBS. MAXIMUM.
- ⑦ DISPENSERS/WASTE DISPOSAL BINS CAN NOT PROJECT INTO CLEAR SPACE REQUIREMENTS OF ANY FIXTURE
- ⑧ DISPENSERS AND OTHER PROTRUDING ELEMENTS, WITH LEADING EDGES BETWEEN 27" AND 80" A.F.F., WITHIN THE CIRCULATION SPACE, MAY NOT PROJECT MORE THAN 4" FROM THE WALL.
- ⑨ LOCATE THE WASTE DISPOSAL BIN (INDICATE A SIZE) WHICH WILL NOT ENCR OACH INTO ANY FIXTURE, MANEUVERING, OR DOOR CLEARANCE REQUIREMENT.
- ⑩ TOILET PAPER DISPENSER SHOULD NOT PROJECT MORE THAN 3" MAX INTO CLEAR SPACE OF TOILET BELOW GRAB BAR.
- ⑪ TOILET PAPER DISPENSERS SHALL BE 7" MIN. AND 9" MAX. IN FRONT OF WATER CLOSET PER 11B-604.7
- ⑫ TOILET PAPER DISPENSER TO BE CONTINUOUS FLOW TYPE.



OVERALL SITE PLAN

N.T.S.

FLUT DATE: Mar 20, 2020 - 10:41M
DRAWING NAME: I:\2019\9303 EASTSIDE DISTRICT PLAYGROUND\ENGINEERING\COMMONS\SHEET\CS-C-101-02.dwg
FLUT BY: AEGUL



- # SPECIFIC CONSTRUCTION NOTES:**
- SITE WORK CONSTRUCTION NOTES-GRADING AND DRAINAGE**
- EXISTING SITE FEATURES TO REMAIN. CONTRACTOR TO PROTECT IN PLACE. N/A
 - MATCH EXISTING. CONTRACTOR TO VERIFY MATCH LOCATION AND ELEVATION PRIOR TO CONSTRUCTION TO ENSURE THEY ARE CONSISTENT WITH PLAN AND THAT SLOPES MEET AGENCY REQUIREMENTS. CONTACT ENGINEER IF CONFLICTS ARE DISCOVERED. N/A
 - INSTALL CONCRETE CURB PER DETAIL. 1C-301
 - INSTALL CURB RAMP PER DETAIL. 2C-301
 - INSTALL CONCRETE CURB & GUTTER PER DETAIL. 3C-301
 - RUBBERIZED PLAY SURFACE WITH FLUSH CURBING PER ARCHITECTURAL PLAN. A-111
 - INSTALL CONCRETE FLATWORK PER DETAIL. SEE ARCHITECTURAL PLAN FOR SCORING AND COLOR OF CONCRETE. 4C-301
 - INSTALL ASPHALT CONCRETE (AC) PAVING PER DETAIL. 5C-301
 - SLURRY SEAL EXISTING AC PAVEMENT & RE-STRIPE PER ARCHITECTURAL PLAN. A-001
 - SAW CUT AND REMOVE EXISTING AC/CONCRETE PAVING 18 INCHES MINIMUM FROM FACE OF CURB AND AT LEAST 6 INCHES INTO A COMPETENT STRUCTURAL SECTION. CONTRACTOR RESPONSIBLE FOR PROPER DISPOSAL. N/A
 - CONSTRUCT TURF PLAY AREA WITH CONCRETE MOW CURBING PER LANDSCAPE ARCHITECTURAL PLAN. L-2
 - INSTALL SELF-ADHESIVE TRUNCATED DOMES STRIP TO EXISTING AC PAVEMENT. SEE ARCHITECTURAL PLAN FOR TYPE AND COLOR. A-001

AGENCY APPROVAL FILE #42-48



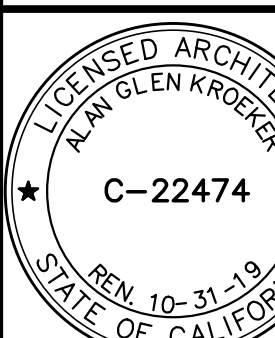
560 HIGUERA STREET, SUITE C
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NO.	DATE	DESCRIPTION
1	05/26/2020	PREVIOUSLY CONSTRUCTED WORK

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EASTSIDE UNION SCHOOL DISTRICT
45006 North 30th Street East
Lancaster, CA 93535

EUSD EASTSIDE ACADEMY PLAYGROUND
3126 EAST AVE, LANCASTER, CA 93535

SHEET TITLE

GRADING & DRAINAGE PLAN

DRAWN BY: DB JOB NUMBER: 19057

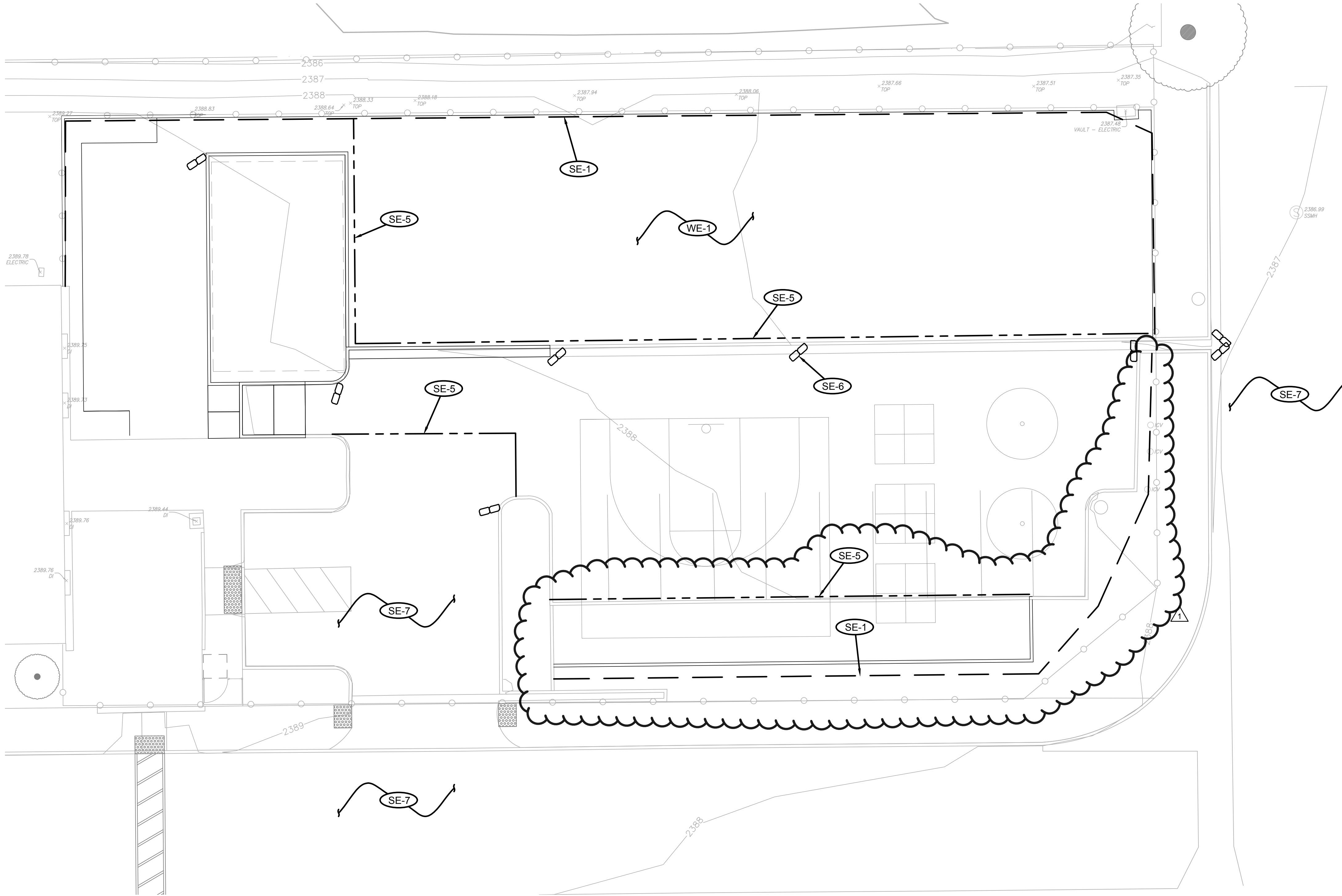
SHEET NO.

C-101

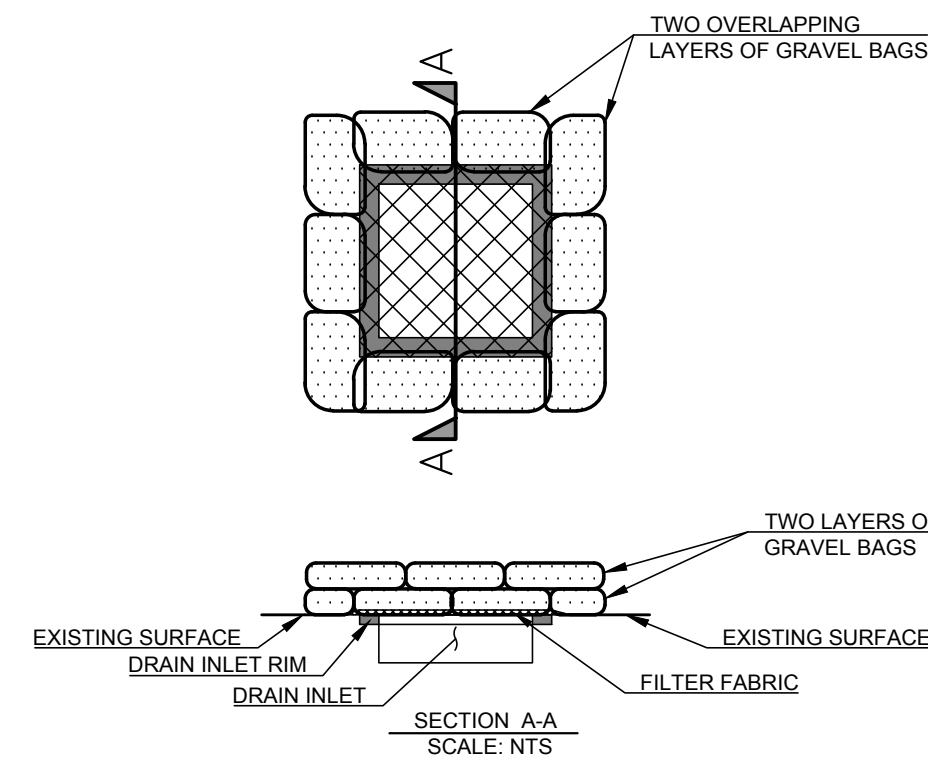
DATE: March 13, 2020

196 ARCHITECTS
CIVIL ENGINEER
ABOVE GRADE ENGINEERING, INC.
245 Higuera Street
San Luis Obispo, CA 93401
TEL (805) 540-5115
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187 Tank Farm Road Suite 230
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PROJECT: EASTSIDE UNION SCHOOL DISTRICT PLAYGROUND
SHEET: C-201-EROSION CONTROL
DATE: 05/26/2020
DRAWN BY: DB
JOB NUMBER: 19057

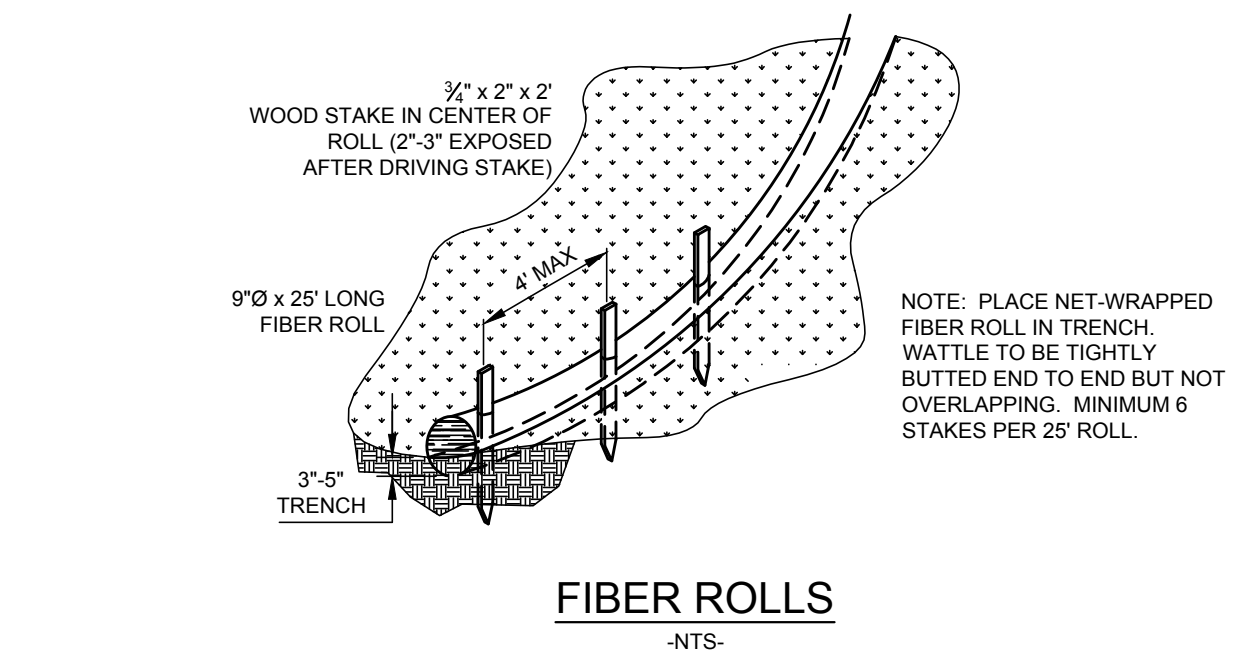


- EROSION CONTROL NOTES:**
- | SYMBOL | CASQ# | DESCRIPTION |
|--------|-------|---|
| BL-1 | | STORMWATER RUN-OFF SAMPLE LOCATION - FOR NON-VISIBLE POLLUTANTS, SAMPLE TO BE TAKEN DURING RUN-OFF EVENT. |
| SE-1 | | INSTALL FIBER ROLLS PER MANUFACTURERS SPECIFICATIONS. |
| SE-5 | | INSTALL SILT FENCE PER MANUFACTURERS SPECIFICATIONS. |
| EC-3 | | INSTALL HYDROMULCH TO DISTURBED SLOPES. |
| TC-1 | | INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT. |
| SE-6 | | INSTALL GRAVEL BAG BERM. |
| WE-1 | | PROVIDE WIND EROSION CONTROL. |
| EC-7 | | PROVIDE GEOTEXTILE MAT, NORTH AMERICAN GREEN SC250. |
| SE-7 | | PROVIDE STREET SWEEPING & VACUUMING. |
| WM-1 | | MATERIAL DELIVERY & STORAGE |
| WM-8 | | CONCRETE WASHOUT |
- * NOT ALL EROSION CONTROL MEASURES LISTED ABOVE ARE USED ON THIS PLAN, BUT ARE PROVIDED FOR THE FUTURE USE BY THE QUALIFIED SWPPP PRACTITIONER PRIOR OR DURING CONSTRUCTION.



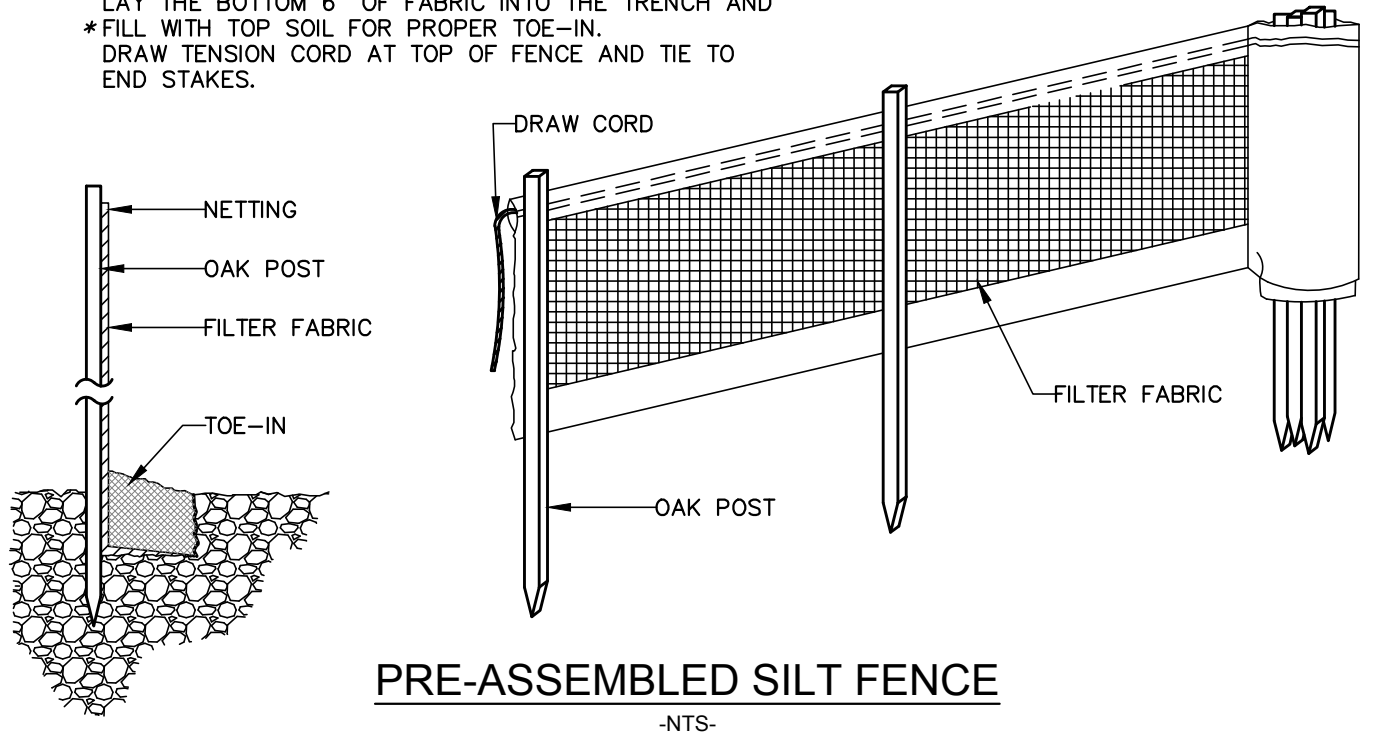
- NOTES:**
- FILTER FABRIC TO EXTEND 3" PAST THE DRAIN INLET RIM & TO BE HELD IN PLACE BY OVERLAYING GRAVEL BAGS.
 - REMOVE ACCUMULATED SEDIMENT WHEN ONE-THIRD OF THE BARRIER HEIGHT.
 - INSPECT BEFORE & AFTER STORM EVENTS.

GRAVEL BAG PROTECTION
-NTS-



FIBER ROLLS
-NTS-

- INSTALLATION PROCEDURES:**
- DIG A 6" x 6" TRENCH AT DESIRED FENCE LOCATION.
 - UNROLL SILT FENCE ALONG TRENCH.
 - DRIVE STAKES INTO THE DOWN HILL SIDE OF TRENCH WITH NETTING AND STAKES FACING THE DOWN HILL SIDE.
 - LAY THE BOTTOM 6" OF FABRIC INTO THE TRENCH AND FILL WITH TOP SOIL FOR PROPER TOE-IN.
 - DRAW TENSION CORD AT TOP OF FENCE AND TIE TO END STAKES.



PRE-ASSEMBLED SILT FENCE
-NTS-

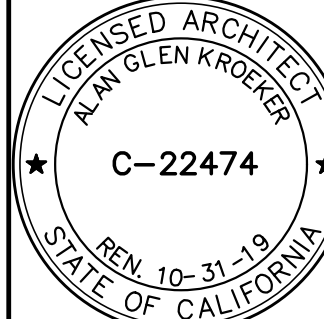


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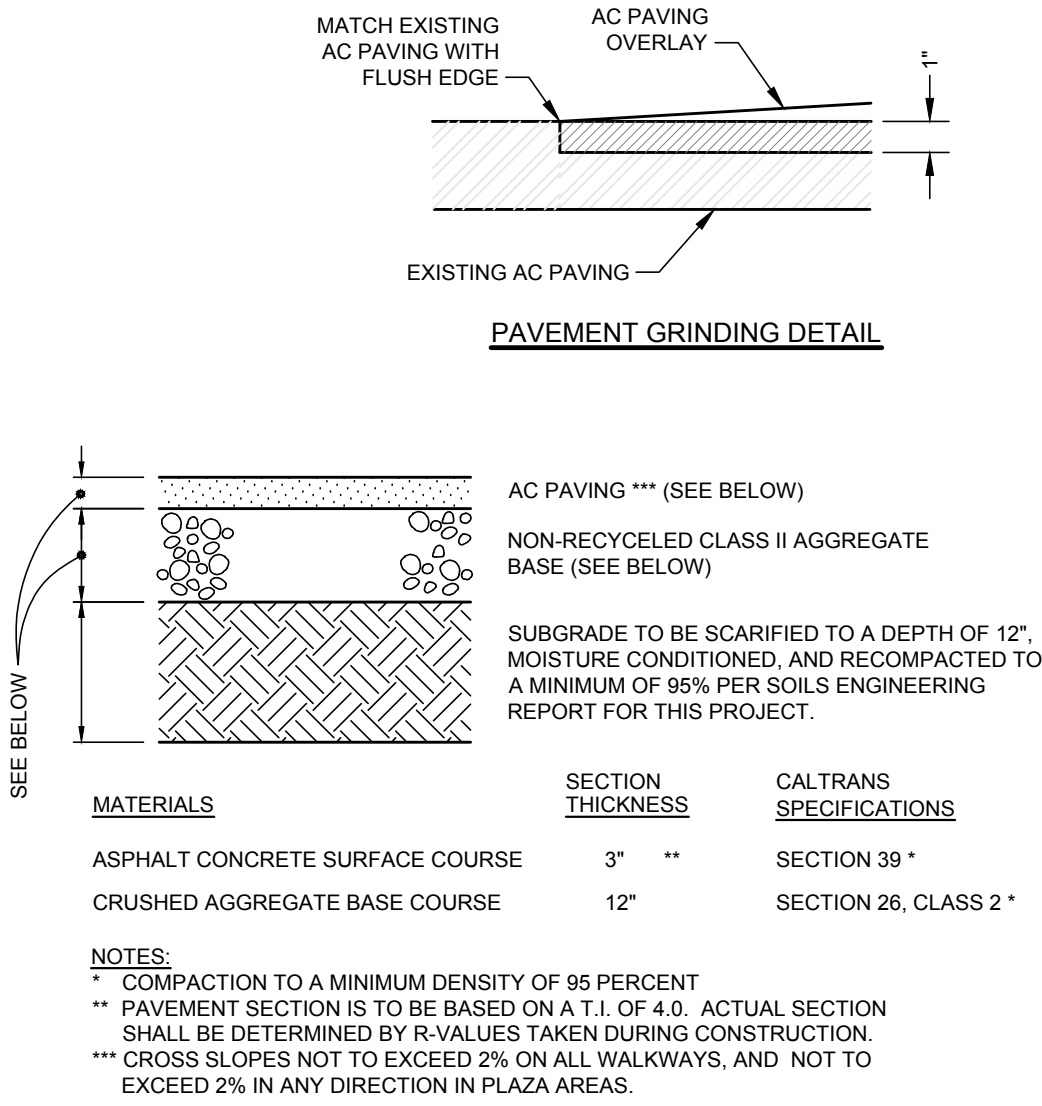
EROSION CONTROL PLAN

DRAWN BY: DB JOB NUMBER: 19057

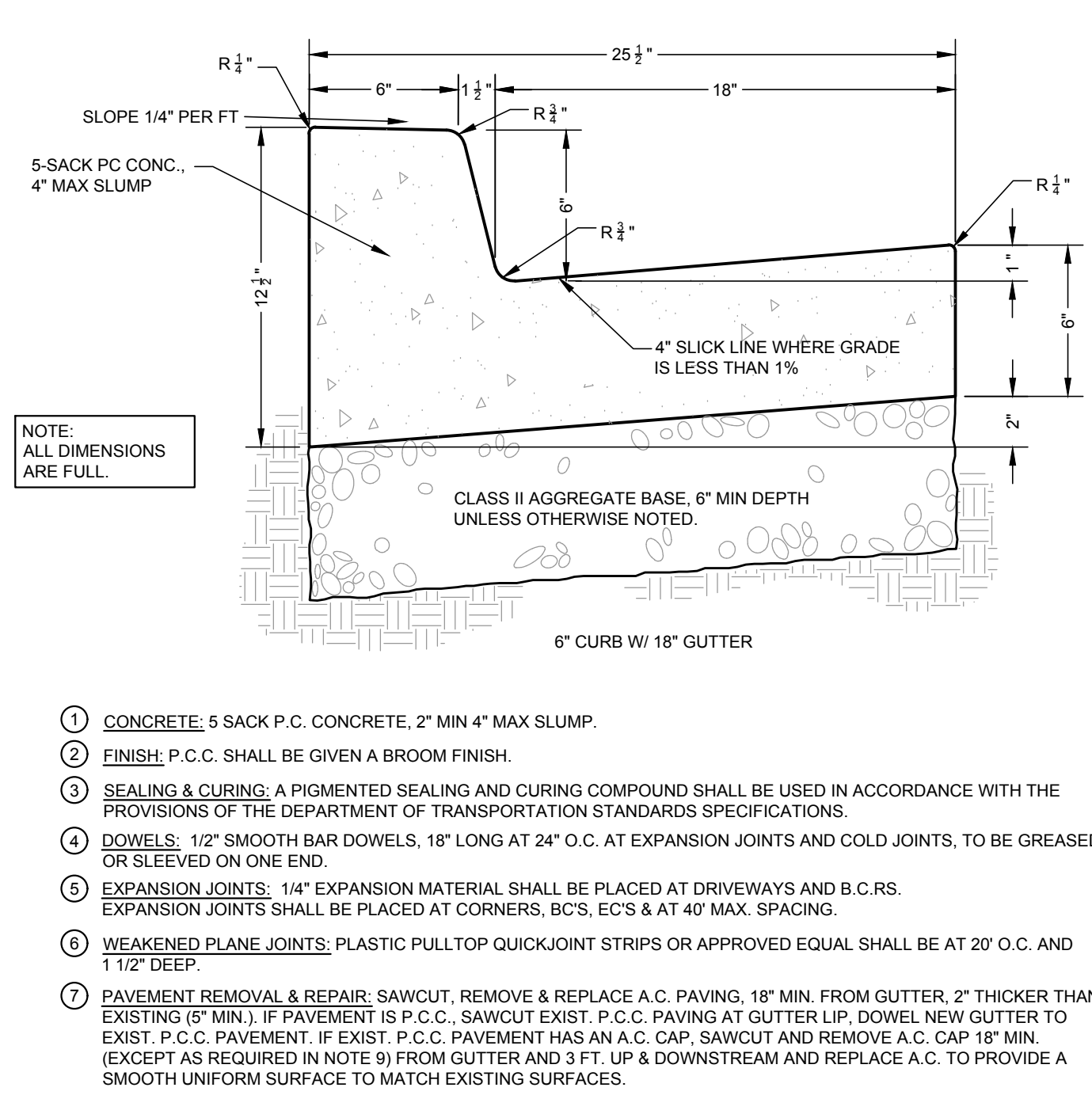
SHEET NO.

C-201

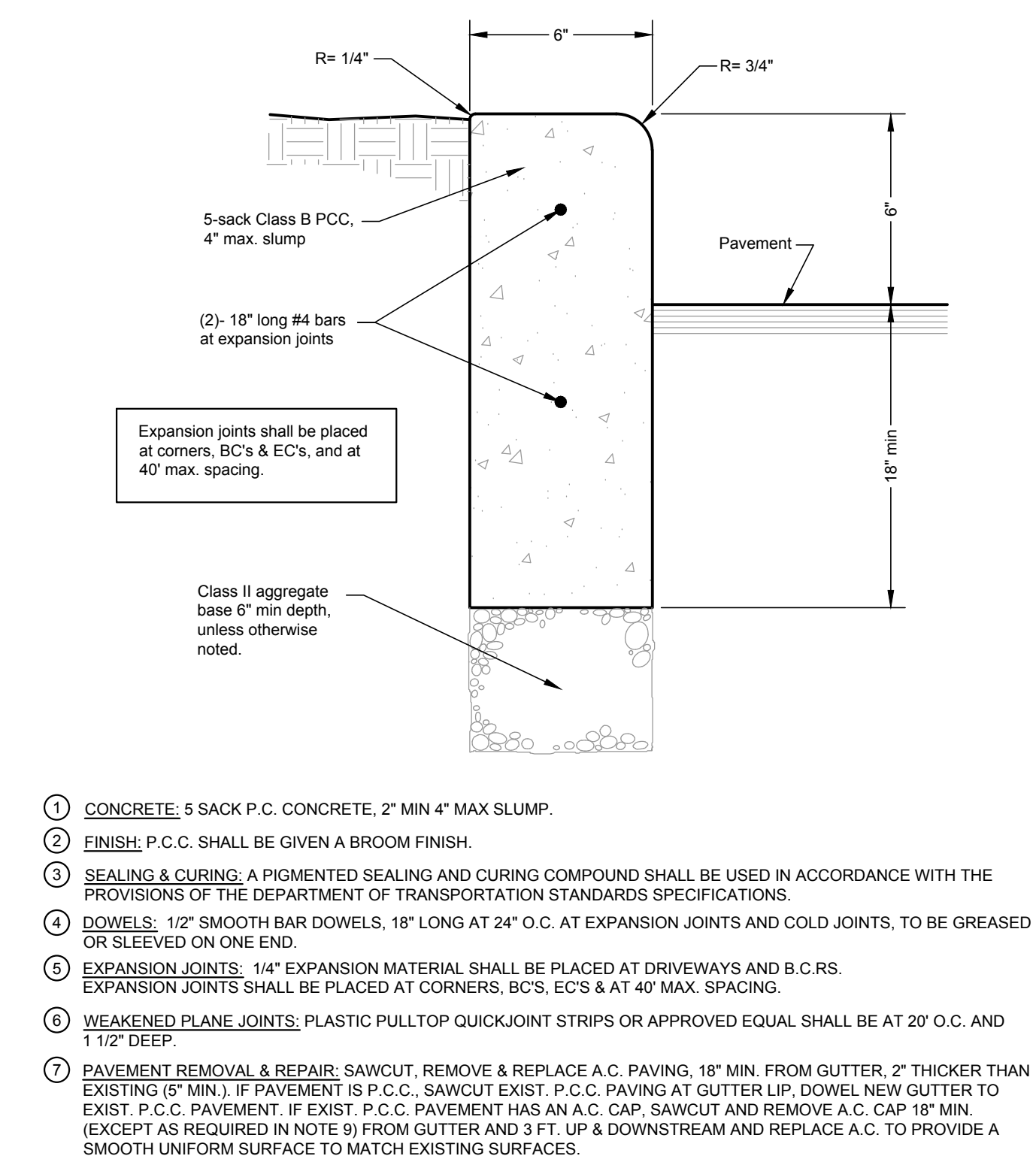
DATE: March 13, 2020



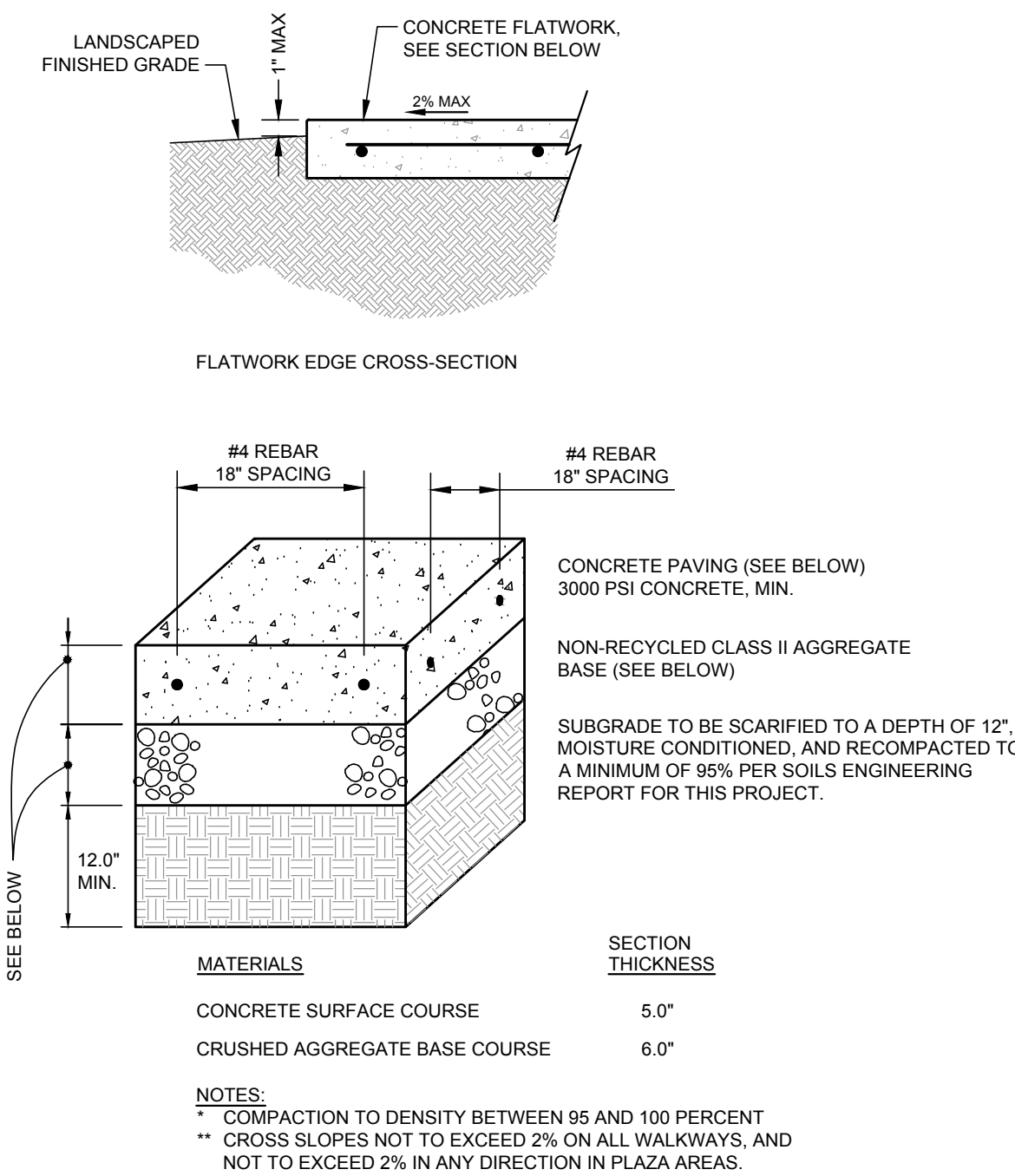
5. AC PAVING SECTION
SCALE = NONE



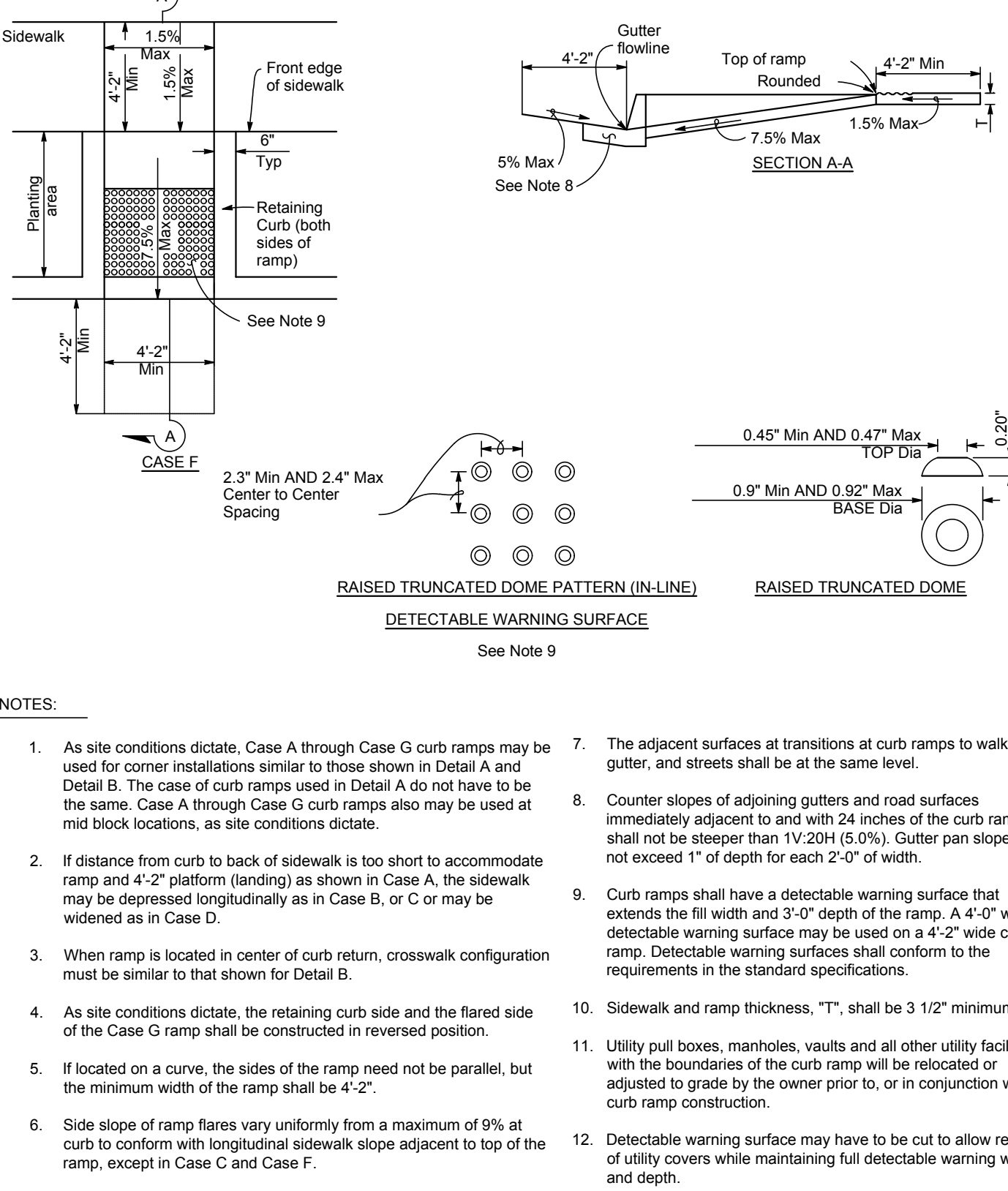
3. 6" CURB WITH 18" GUTTER DETAIL
SCALE = NONE



1. 6" CONCRETE CURB DETAIL
SCALE = NONE



4. CONCRETE FLATWORK SECTION
SCALE = NONE



2. CURB RAMP - CASE F
SCALE = NONE



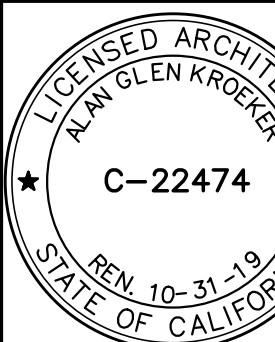
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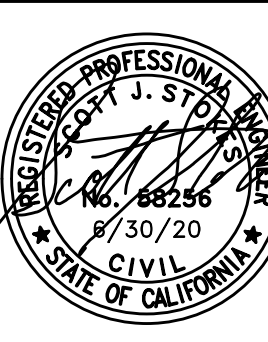
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SHEET TITLE

DETAIL SHEET

DRAWN BY: DB JOB NUMBER: 19057

SHEET NO.

C-301

DATE: March 13, 2020

[illegible]

<p>492. cont. Sprinklers</p> <p>(D) In mulched planting areas, the use of low volume irrigation is required to maximize water infiltration into the root zone.</p> <p>(E) Sprinkler heads and other emission devices shall have matched precipitation rates, unless otherwise directed by the manufacturer's recommendations.</p> <p>(F) Head to head coverage is recommended. However, sprinkler spacing shall be designed to achieve the highest possible distribution uniformity using the manufacturer's recommendations.</p> <p>(F) Swing joints or other riser-protection components are required on all risers subject to damage that are adjacent to landscapes or in high traffic areas of turfgrasses.</p> <p>(G) Check valves or anti-drain valves are required on all sprinkler heads where local drainage could occur.</p>	<p>Sheet L1.0 schedule</p>
	<p>Sheet L1.0 schedule</p>
	<p>Sheet L1.0 specs</p>
	<p>Sheet L1.0 details</p>
	<p>Sheet L1.0 schedule</p>
<p>492.7 cont. Sprinklers and Overspray</p> <p>(A) Areas less than ten (10) feet in width in any direction shall be irrigated with subsurface irrigation or other means that produces no runoff or overspray.</p> <p>(U) Overhead irrigation shall not be permitted within 24 inches of any non-permeable surface. Allowable irrigation within the setback from non-permeable surfaces may include drip, drip line, or other low flow non-spray technology. The setback area may be planted or unplanted. The surfacing of the setback may be mulch, gravel, or other porous material. These restrictions may be modified if:</p> <p>(1) the adjacent area is adjacent to permeable surfacing and no runoff occurs; or</p> <p>(2) the adjacent non-permeable surfaces are designed and constructed to drain entirely to landscaping.</p> <p>(V) Slopes greater than 25% shall not be irrigated with an irrigation system with a application rate exceeding 0.75 inches per hour.</p>	<p>Sheet L1.0</p>
	<p>See below</p>
	<p>✓ X</p>
	<p>Sheet L1.0 schedule</p>
<p>492.7 cont Hydrozone</p> <p>(C) Hydrozone</p> <p>(A) Each valve shall irrigate a hydrozone with similar site, slope, sun exposure, soil conditions, and plant materials with similar water use.</p> <p>(B) Sprinkler heads and other emission devices shall be selected based on what is appropriate for the plant type within that hydrozone.</p> <p>(C) Where feasible, trees shall be placed on separate valves from shrubs, groundcovers, and turf to facilitate the appropriate irrigation of trees. The mature size and extent of the root zone shall be considered when designing irrigation for the tree.</p>	<p>Sheet L1.0</p>
	<p>Sheet L1.0 or:</p> <p>The trees are irrigated on the same valves as shrubs and ground cover because drip irrigation provides for deep watering that avoids the problem targeted by this MWBLD concept, i.e. trees in lawn being irrigated shallow for turf root depth. For this reason on a system of this size with this many trees on drip irrigation, it is not necessary or feasible to run parallel irrigation systems to irrigate trees separately.</p>
	<p>Sheet L1.0</p>
<p>(F) On the landscape design plan and irrigation design plan, hydrozone areas shall be designated by number, letter, or other designation. On the irrigation design plan, designate the areas irrigated by each valve, and as- sign a number to each valve. Use this value number in the Hydrozone Information Table (see Appendix B Section A). This table can also assist with the irrigation audit and programming the controller.</p>	<p>Sheet L1.0</p>
<p>492.7 cont.</p> <p>(1) Location and size of separate water meters for landscape;</p> <p>(2) Location, type and size of all components of the irrigation system, including controllers, main and lateral lines, valves, sprinkler heads, moisture sensing devices, rain switches, quick couplers, pressure regula- tors, and backflow prevention devices;</p> <p>(3) static water pressure at the point of connection to the public water supply;</p> <p>(4) flow rate (gallons per minute), application rate (inches per hour), and design operating pressure (pressure per square inch) for each station;</p> <p>(5) recycled water irrigation systems as specified in Section 492.14;</p> <p>(6) the following statement: "I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the irrigation design plan"</p>	<p>Sheet L1</p>
	<p>Sheet L1</p>
	<p>Sheet L1</p>
	<p>Sheet L1</p>
	<p>NA or ref details Sheet L0</p>
<p>Section 492.8 Grading Plan</p>	<p>See Civil Plans</p>
<p>Section 492.9 Certificate of Completion</p>	<p>Submitted after completion</p>
<p>Section 492.10 Irrigation Scheduling</p>	<p>Sheet L.0.</p>
<p>Section 492.11 Landscape and Irrigation Maintenance Schedule</p>	<p>spec section 3.07 (E). Submitted after completion</p>
<p>Section 492.14 Recycled Water</p> <p>(a) Graywater systems promote the efficient use of water and are encouraged to assist in on-site landscape irrigation. All graywater systems shall conform to the California Plumbing Code (Title 24, Part 5, Chapter 16) and any applicable local ordinance standards.</p>	<p>NA or ref</p>

Maximum Applied Water Allowance Calculations for New and Rehabilitated Non-Residential Landscapes																																	
Enter value in Pale Blue Cells																																	
Tan Cells Show Results																																	
Messages and Warnings																																	
Click on the blue cell on right to Pick City Name ET, of City from Appendix A	<table border="1"> <thead> <tr> <th>Lancaster</th> <th>Name of City</th> </tr> </thead> <tbody> <tr> <td>71.16</td> <td>ET, (inches/year)</td> </tr> <tr> <td>0</td> <td>Overhead Landscape Area (ft²)</td> </tr> <tr> <td>2527</td> <td>On Landscape Area (ft²)</td> </tr> <tr> <td>6158</td> <td>SLA (ft²)</td> </tr> <tr> <td>0.685</td> <td></td> </tr> <tr> <td>321.570</td> <td>Gallons</td> </tr> <tr> <td>42.989</td> <td>Cubic Feet</td> </tr> <tr> <td>430</td> <td>HGT</td> </tr> <tr> <td>1</td> <td>Acres-feet</td> </tr> <tr> <td>0</td> <td>Millions of Gallons</td> </tr> <tr> <td>71</td> <td>ET, (inches/year)</td> </tr> <tr> <td>6158</td> <td>SLA (ft²)</td> </tr> <tr> <td>6158</td> <td>SLA (ft²)</td> </tr> <tr> <td></td> <td>Total annual precipitation (inches/year)</td> </tr> <tr> <td>0.00</td> <td>Expct (in)/yr(25% of total annual precipitation)</td> </tr> </tbody> </table>	Lancaster	Name of City	71.16	ET, (inches/year)	0	Overhead Landscape Area (ft ²)	2527	On Landscape Area (ft ²)	6158	SLA (ft ²)	0.685		321.570	Gallons	42.989	Cubic Feet	430	HGT	1	Acres-feet	0	Millions of Gallons	71	ET, (inches/year)	6158	SLA (ft ²)	6158	SLA (ft ²)		Total annual precipitation (inches/year)	0.00	Expct (in)/yr(25% of total annual precipitation)
Lancaster	Name of City																																
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Estimated Total Water Use
Equation: $ETWR = ET \times A \times 0.82 \times [EPR + (HWE/C + BAC)]$ Considering precipitation: $ETWR = 125 \times 6400 \times 0.82 \times [EPR + (HWE/C + BAC)]$
Enter values in Past Blue Cells
Use Only Green Results
Messages and Warnings

Irrigation Efficiency Default Values for overcast 0.75 and crop 0.81		Plant Factor		Hydrologic Soil Type (H) Without SCA		Irrigation Efficiency (IE)		IPF = IA x IE x PF	
Plant Water Use Type	Plant Factor	Plant Water Use Type (H)	Plant Factor	Hydrologic Soil Type (H) Without SCA	Plant Factor	Irrigation Efficiency (IE)	Plant Factor	IPF = IA x IE x PF	Plant Factor
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Water Budget (ETWU) is 99% of the Maximum Applied Water Allowance.

"I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the LANDSCAPE AND IRRIGATION design plans"


Lindsay Corica, Firma Consultants Inc.

196
ARCHITECTS
560 HIGUERA STREET, SUITE C
SAN LUIS OBISPO, CA 93401
TEL (805) 476-0399

CONSULTANTS
CIVIL ENGINEER
ABOVE GRADE ENGINEERING, INC.
245 Higuera Street
San Luis Obispo, CA 93401
TEL (805) 540-5115

LANDSCAPE ARCHITECTS
FIRMA CONSULTANTS INCORPORATED
187 Tank Farm Road Suite 230
San Luis Obispo, CA 93401
TEL (805) 781-9800



firma
landscape architects
planning environmental studies

David W. Foote PLA #2117
Lindsay A. Corica PLA #6359
187 Tank Farm Road Suite 230
San Luis Obispo CA 93401
805. 781. 9800 fax 805. 781. 9803

[illegible]

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE

PROJECT OWNER & TITLE

**EASTSIDE UNION SCHOOL
DISTRICT**

45006 North 30th Street East
Lancaster, CA 93535

**EUSD EASTSIDE
ACADEMY
PLAYGROUND**

3126 EAST AVE, LANCASTER,
CA 93535

SHEET TITLE

CODE COMPLIANCE

DRAWN BY: JOB NUMBER: 21916

SHEET NO.

L.O

DATE: March 10, 2020

PLANTING & IRRIGATION SPECIFICATIONS

SPECIFICATIONS

IRRIGATION

PART 1 GENERAL

1.01 SCOPE OF WORK

- A. All labor, materials, tools and the transportation and performance of all the work required as indicated on the drawings and specifications and reasonably incidental to:
1. Connection to water supply.
 2. Backflow device and gate valves.
 3. Irrigation mains, laterals and couplings.
 4. Automatic controllers, master valve, electric control valves and wiring.
 5. Sprinkler heads.
 6. Quick coupler valves.
 7. Drip irrigation.
 8. Pressure reducer.
 9. All related trenching and backfilling.

1.02 REQUIREMENTS

- A. **Examine all sections** : of the specifications and drawings for work related to this section.
- B. **Install irrigation system** : in accordance with all applicable codes and regulations including the local agency Water Efficient Landscape Ordinance.
- C. **Contractor shall check** : static pressure at the irrigation point of connection to the water supply before beginning work and notify Landscape Architect in writing of the pressure available.
- D. **Contractor shall notify** : the Landscape Architect 48 hours in advance when each work phase is ready to be inspected. The Landscape Architect is not responsible for delay caused by failure of the Contractor to give prior notice for inspections.
- E. **Contractor shall provide** : two copies of an "As-Built" plan of the irrigation system prior to final acceptance of work. One copy shall be laminated with vinyl film, reduced in size if necessary and placed in controller box, and one copy shall be provided to the Owner or Landscape Architect as applicable.
- F. **As-Built record drawing shall delineate hydrozones** : Using the notations on the valve stations callouts on the plan the contractor shall color code the As-Built Drawing to identify low, medium, and high plant factor hydrozones, before laminating and placing in controller.
- G. **All work under this section** : will be guaranteed for a period of one year from final approval of work. Any damages caused by the irrigation system shall be the responsibility of the Contractor.
- H. **The Contractor shall maintain** : continuous power and water supply to all facilities that are directly or indirectly affected by this construction, unless other arrangements are made with the Owner for temporary shut-offs.
- I. **The Contractor shall protect** : the public health, safety and welfare during all phases of the work.

PART 2 PRODUCTS

2.01 MATERIALS

- A. **All materials shall be as indicated on the plan** : , irrigation schedule and as specified herein.
- B. **Plastic Fittings** : shall be schedule 40 PVC.
- C. **Control wires** : shall be solid copper conductors, 600 volt AC, Type UF-AWG-UL approved for direct burial. Common wire to be #12 size; pilot wires to be #14 size.
- D. **Tracer Wire** : All water pressure lines to be installed with #14 tracer wire except where control wires are located adjacent to pressure lines.
- E. **Standards for emission devices** : All irrigation heads, orifices and nozzles shall meet the requirements of the ANSI standard, ASABE/ICC 802-2014 "Landscape Irrigation Sprinkler and Emitter Standard", with a distribution uniformity low quarter of .95 or higher using the protocol defined in ASABE/ICC 802-2014.

PART 3 INSTALLATION

3.01 GENERAL

- A. **All installation shall be per plan** : , details and as specified herein.
- B. **Landscape Water meter** : Unless specified otherwise on the irrigation plans or related discipline plans, the irrigation system shall connect to a landscape water meter separate for the domestic water meter.

3.02 TRENCHING AND PIPING

- A. **Trenching next to existing trees** : Hand dig all trenches within the canopy dripeline of existing trees. Do not cut any roots 2 inches in diameter or over. All cuts shall be clean, using sharp cutting tools. Contractor shall observe and comply with any and all limitations on activities within the tree canopy of existing trees as stipulated by any Tree Protection Plan for the project.
- B. **Piping under paving** : All mains and laterals required under paving shall be in PVC sleeves, on a minimum of 6-inch deep sandy base under pipe, prior to paving.
- C. **Horizontal clearance** : All irrigation lines shall have 12 inches of horizontal clearance from lines of other trades.
- D. **Trench depth** : Pressure line minimum depth to be 18 inches. Under paving pressure line shall be 24-inch minimum depth. Lateral line minimum depth to be 12 inches. Under paving lateral line minimum depth shall be 24 inches.
- E. **Joints** :
 1. All pipe to be cut square.
 2. Remove all burrs.
 3. Remove all soil, grease, and moisture to form clean dry surface.
 4. Apply primer per manufacturer's printed specifications to all piping.
 5. Apply cement with correct applicator and quantity per manufacturer's specifications for various pipe sizes.
 6. Allow for minimum manufacturer's cure time before application of water pressure.
 7. Allow for minimum manufacturer's cure time before application of water pressure.
- F. **Dissimilar materials** : Provide dielectric fittings between dissimilar materials.
- G. **Threaded fittings** : Teflon tape or "Rectorseal" soft set pipe dope shall be used on all threaded fittings. Wrap threads no more than twice with teflon tape. Do not overtighten fittings.
- H. **Mark capped ends of pressure lines** : with a 4x4 redwood stake 18 inches long set directly in front of the end of the pipe. Top of stake to be one inch above grade.

3.03 WIRING AND MASTER VALVLE

- A. **Control wire placement** : Wires shall be placed under irrigation mains wherever practical and taped to main at 5 foot intervals. Where wires do not parallel pipes, they shall be buried a minimum of 12 inches, taped at 5 foot intervals, and should run along walks or building edges wherever practical. Control lines under paving shall be in PVC conduit 24 inches deep.
- B. **Single wires** : All controller-to-valve runs shall be single, individual wires, one for each valve.
- C. **Connection to valves** : Connect control wires to valves using Rainbird Model ST-03 wire connectors and PT-SS sealer or equals. Wire should be installed so that a loop encloses the valve. Provide slack so that it can be cut and reconnected as necessary.
- D. **Valve identification** : Attach a 2-inch diameter aluminum or plastic identification tag with the valve/station numbers shown on plans.
- E. **Valve sequence** : Connect control wires to controller in sequential order according to valve/station numbers as shown on plans.
- F. **Master valve** : Unless otherwise specified on the Irrigation Plans or details, install a master valve as a "normally closed" valve.

3.04 TESTING AND INSPECTION

- A. **Pre-Construction** : An initial pre-construction meeting shall be initiated by the Contractor and shall be held on-site. The Contractor, Project Foreman, Landscape Architect and owner's representative shall be present.
- B. **General** : The Contractor shall not allow nor cause any of his work to be covered or enclosed until it has been inspected and approved by the Landscape Architect. Should any of his work be enclosed or covered before such inspection or test, he shall uncover the work at his own expense, and after it has been inspected, tested and approved, shall make all repairs with like materials necessary to restore all his work and that of other Contractors to its original condition.
- C. **Pressure test** : After completion of the piping system and prior to back-filling and installation of the sprinkler heads, the entire system shall be thoroughly flushed under pressure to remove dirt, scale or other material from the lines. The pressure lines shall then be tested at full pressure for 2 hours with couplings exposed and pipe sections center loaded. Provision shall be made to bleed the lines of air. Should any leaks develop, the system shall be retested following repair. The pressure test must be made in the presence of the Landscape Architect.
- D. **Repairs** : The use of caulking or cement to repair leaks is prohibited.

3.05 HEAD LAYOUT AND OPERATION

- A. **Layout** : Adjust layout as necessary to meet job conditions and to coordinate installation with work under other sections. Head locations and adjustments shall be set to achieve full and uniform coverage of the areas intended to be watered, with minimum overspray of walks and roadways. Add heads at no added cost as stipulated in notes on the Irrigation Schedule, to accommodate unforeseen conditions, providing head to head coverage of all areas.
- B. **Head coverage** : After sprinkler heads are installed, the system shall be inspected for adequacy and even and complete distribution of water. Any defects discovered shall be immediately repaired.
- C. **Operation** : No planting shall occur until the irrigation system and automatic controller are fully operative and have been inspected and approved by the Landscape Architect.

3.06 BACKFILLING

- A. **Compaction** : After the work has been inspected and approved, backfill all trenches with fine earth materials and tamp to 90 per cent compaction. All trenches shall be left flush with adjoining grade in a firm unyielding condition. Flopping of trenches shall not be permitted.

3.07 DRIP SYSTEM

- A. **Conventional Tubing placement** : Polyethylene tubing shall be placed and secured according to plans and details. For maximum lateral length to be 300 feet from valve.
- B. **Inline Tubing Placement: Rainbird XFD** : tubing placement shall be in parallel rows spaced per plan designation for each valve circuit, using the table on the plan to install the correct number of parallel rows for the width of planting area. Maximum tube run lengths shall not exceed the manufacturer's specified maximum lengths for tube type, pressure and flow rate. Install supply header, exhaust header and manual flush valves consistent with plans, details and manufacturer specification.
- C. **Alternate layout** : In line tubing supply header configuration and lateral line connections are schematic. It is recognized that field conditions at time of installation may preclude strict conformity with the plan. Alternate lay outs such as corner feed grid layout, branching laterals & joining laterals illustrated in manufacturer literature may be employed to achieve optimal function.
- D. **Tubing in Small or Irregular Areas** : Natfam Techline "Lite" layout configuration (parallel meandering continuous tubing may be employed on planting area less than 100 sq ft in area.
- E. **In Line Tubing on Slopes** : Install check valves pre manufacturer's details to limit downslope drainage.

3.08 CLEANUP

- A. **Remove all excess materials** : and other debris from the site. Sweep all paved areas of soil, leaves and other materials. Rake clean all landscaped areas.

PLANTING

PART 1 GENERAL

1.01 SCOPE OF WORK

- A. All labor, materials, tools and the transportation and performance of all the work required as indicated on the drawings and specifications and reasonably incidental to:
1. Furnish all plant material.
 2. Soil preparation and finish grading.
 3. Herbicide application.
 4. Planting and fertilizing trees, shrubs and ground covers.
 5. Staking trees.
 6. Weed control.
 7. Clean up.
 8. Establishment period.

1.02 REQUIREMENTS

- A. **Related work** : Examine all sections of the specifications and drawings for work related to this section.
- B. **Verification of job conditions** : Contractor shall verify actual job conditions and report any discrepancies between the plans and actual conditions immediately to the Landscape Architect, refraining from doing any work in said areas until given approval to do so. It is the responsibility of the Contractor to coordinate his work with other trades, and be familiar with the locations of drain lines, utility lines and other subsurface improvements that could affect the planting work.
- C. **Obstruction to planting operations** : If rock, plaster, concrete debris, electrical cables, conduits or utility lines are encountered and cause conflict with planting operations, notify the job superintendent and Landscape Architect to arrange relocation or cleanup work.
- D. **Materials receipts** : The Contractor shall submit materials receipts to the Landscape Architect to verify quantities of all materials used.
- E. **Guarantee** : The Contractor shall repair or replace any or all work, together with any adjacent work which may be displaced by so doing, that may prove to be defective in its workmanship or material one year for all shrubs and trees, from the end of the establishment period, unusual abuse or neglect excepted.
- F. **Inspection notice** : The Contractor must give 48 hour prior notice to the Landscape Architect when materials or work are ready to be inspected. The Landscape Architect is not responsible for delays if the Contractor fails to give advance notice for inspection.
- G. **The Contractor shall maintain** : continuous power and water supply to all facilities that are directly or indirectly affected by this construction, unless other arrangements are made with the Owner for temporary shut-offs.
- H. **The Contractor shall protect** : the public health, safety and welfare during all phases of the work.

PART 2 MATERIALS

2.01 PLANT MATERIAL

- A. **Grade** : Quality and size shall conform to the State of California Grading Code of Nursery Stock, No. 1 grade. Nursery grown stock only shall be used.
- B. **Unacceptable material** : All plant material overgrown and root bound, too recently canned, or damaged rootballs, diseased, unhealthy or badly shaped are considered unacceptable and shall be removed from the site.
- C. **Inspection and Substitutions** : All plants shall be the varieties and sizes shown on the plan. No substitutions shall be used without the written approval of the Landscape Architect. The Landscape Architect shall inspect and approve or reject plant material prior to installation.
- D. **Plant acclimatization** : All plants shall be nursery grown under climatic conditions similar to this project site in San Luis Obispo County.
- E. **Care of plants** : Contractor shall adequately protect the plants on site from sun and wind damage before planting. Precautions shall be taken to protect plants newly installed or stored on site from frost damage.

2.02 SOIL AMENDMENTS

- A. **Requirement for soil testing to determine soil amendment specification** : to comply with the State of California Model Water Efficient Landscape Ordinance, if required by local code, soil testing may be required to determine the appropriate level of soil amendments for the project. Because the site will be mass graded and/or import soil used to achieve finish grades, the specification below under 2.02-C and D is to be used for bidding purposes as a reasonable baseline applicable to most site conditions where mass grading occurs. The contractor shall follow the agronomist recommendation in the soil test, using in no case less than 4 cu yd amendment per 1,000 sq ft, except if the site soils have 6% or greater organic matter by weight no amendment is required. If applicable under local ordinance, the contractor shall perform soil testing in a minimum of three locations on the graded site in locations where planting areas grades are finished. For residential tracts 15% or approximately 1 in 7 new lots shall be tested.
- B. **Soil Test requirements** : Sampling shall be done in accordance with testing lab protocol at the depth for intended plants. The soil analysis shall include soil texture, infiltration rate based on soil texture infiltration rate table, pH, total soluble salts, sodium, percent organic matter by weight, and agronomist amendment recommendations for "ornamental plants". The contractor shall supply the Landscape Architect / Owner with two (2) copies of the soils analysis and recommendations.
- C. **Fertilizers** :
 1. "Agriform" slow release 20-10-5 tablets in 21 gram size as shown on details.
 2. "GRO-POWER" slow release 12-8-8 fertilizer at 10 lbs./1000 sq. ft. for ground cover areas.
 3. Planting Hole Backfill Mix: "GRO-POWER" 5-3-1 fertilizer at 15 lbs./cu. yd. of mix in all planting hole backfill.
- D. **Organic Amendments** :
 1. "Forest Humus" composted bark mixture by Sequoia Products, or equal, conforming to the following minimum certified test standards in all planting areas at 6.25 cu. yd. per 1000 sq. ft. (2" layer):
 - a. Free from herbicide residue
 - b. Average nutrient content 2.0 to 5.0
 - c. Average nutrient ratio 3.0 to 8.0
 - d. C/N ratio less than 13:0
 - e. Ammonium nitrate ratio less than 100, pH 6.5-7.5
 - f. Ash to organic matter ratio 35% OM minimum, 85% ash maximum
 - g. Soluble nutrients and salts (ECs d.w.) less than 3.0 d.S. Particle size greater than 6.3mm, zero (0).

E. **Mulches** :

1. Bark Mulch: Products typically sold as "shredded walk-on bark" comprised of shredded and composted forest bark, or recycled wood product free from weeds and soil, plastic, metal, and paper debris, and certified free from levels of chlorine, salts or boron in levels that are harmful to ornamental plants, in 5 inch minimum layer in all ground cover and shrub planting areas. Fine shredded "gorilla hair" mulch is not acceptable.

PART 3 EXECUTION

3.01 COMBINATION OF MATERIALS

- A. **Mixing** : All materials shall be thoroughly mixed for uniformity.

3.02 SOIL PREPARATION

- A. **Finish grades** : Coordinate soil preparation work with the requirements for finish grading following in sub-section 3.03 - FINISH GRADING.
- B. **Weed and debris removal** : All areas to be planted shall be cleared of all weeds and debris prior to soil preparation and finish grading. Dispose of weeds and debris legally off-site.
- C. **Herbicide application** : Apply a systemic, translocative post-emergent herbicide approved of by the Landscape Architect to all weeds in planting areas prior to cultivation. Do not cultivate until all weeds are dead.
- D. **Contaminated soil** : Do not perform any soil preparation work in areas where soil is contaminated with cement, plaster, paint or other construction substances. Notify job superintendent and Landscape Architect to arrange for clean up. Contractor shall be responsible for removing and replacing soil to a depth of 12 inches in any planting areas contaminated by soil sterilant applied prior to asphaltic concrete paving placement.
- E. **Spreading amendments** : Soil amendments shall be applied to planting areas at specified rates and inspected and approved by Landscape Architect prior to cultivation, or the Contractor shall prepare a test plot under the supervision of the Landscape Architect using the specified amounts of amendments, which shall serve as an approved basis of comparison for the remainder of the soil preparation work.
- F. **Cultivation** : Cultivate amendment into the soil to a depth of six inches. Cultivation shall produce a uniform, well mixed, loose, friable planting soil. Rake smooth to conform to finish grading requirements.

3.03 FINISH GRADING

- A. **Work by others** : Grades shall be established under work of other sections to within 1/10 foot, plus or minus, of required finish grades.
- B. **Verify existing grades** : Contractor shall verify that grades are to within 1/10 foot, plus or minus, of finished grades before performing finish grading and planting. Notify the Landscape Architect prior to commencing soil preparation work if existing grades are not to within .1 foot by others, or assume responsibility for conditions as they exist.
- C. **Conformance to site grading plan** : Finish grades shall conform to the site grading plan. The finish grades of all planting areas shall be 1" maximum and 1/2" minimum below sidewalk or curb grades. All planting areas shall have positive drainage.
- D. **Finish grading approval** : Landscape Architect shall inspect the final grades for conformance to the design intent communicated on the drawings and give approval prior to any planting operations.

3.04 TREE AND SHRUB PLANTING

- A. **General** : Do not plant until the irrigation system is fully operative and approved.
- B. **Location** : Locate trees and shrubs in the field as shown on the plans. The Landscape Architect reserves the right to approve the locations of trees and shrubs prior to planting unless waived in writing to the Contractor. Any alterations to locations shown on the plan must be approved by the Landscape Architect.
- C. **Planting holes** : Excavate holes of circular outline with vertical sides, per the planting details. Scarify sides of hole in clay soils.
- D. **Impervious soils** : Where impervious soils is encountered in excavating planting holes, notify the Landscape Architect at once before continuing work.
- E. **Placement of plants** :
 1. Cans shall be removed carefully to avoid damaging the rootball.
 2. Set shrubs and trees in holes so that the top of rootball is slightly higher (1/2" maximum) than grade.
 3. Form neat and uniform circular basins around plants, conforming to contours of the ground. Basins shall be 2 feet in diameter for 1 gallon stock and 3 feet in diameter for 5 gallon stock and larger.
 4. Backfill and stake per drawings and details. Top dress with "GRO-POWER" 5-3-1 fertilizer.
 5. Prune plants as directed by Landscape Architect to correct damage or awkward forms.
 6. Water thoroughly after planting.

3.05 EXISTING PLANTING TO REMAIN

- A. **Protection** : No storing of materials or equipment shall occur within the dripeline of existing trees(s).
- B. **Pruning** : Perform trimming and pruning to achieve attractive balanced forms as directed by Landscape Architect using standard arborist practices.

3.06 CLEAN UP

- A. **Removal of debris** : Remove all cans, surplus material and other debris from the site. Pust or sweep all paved areas of soil, leaves or other material. Neatly rake and dress all planting areas.
- B. **Dust removal** : Rinse foliage of plant materials as often as needed to remove dust generated by work.

3.07 ESTABLISHMENT PERIOD AND WELO DOCUMENTATION

- A. **Commencement of establishment period** : The establishment period shall begin after all work has been satisfactorily completed and granted final completion notice by the Owner. The establishment period shall be 120 days.
- B. **Responsibility of Contractor** : During the establishment period, the Contractor shall maintain all planting areas in a weed free condition, performing pest control, pruning, fertilizing and replacement of dead or unhealthy plants as necessary to establish a healthy, vigorous and attractive planting.
- C. **Replacement of dead plants** : All plants and ground covers that may die during the establishment period shall be replanted immediately. Waiting to replant until the end of the establishment period is not acceptable.
- D. **WELO Section 492** : Provide 8.5 x 11 format written documents complying with CALGreen WELO sections 492.10 and 492.11. Irrigation controller schedule for appropriate seasons, and schedule of tasks and frequency for ongoing maintenance of the the planting and irrigation.

END OF SECTION

AGENCY APPROVAL FILE #42-48



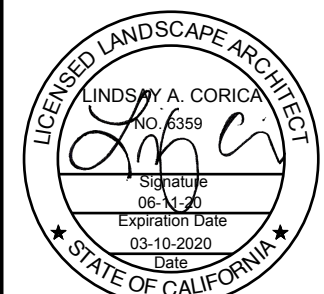
CONSULTANTS
CIVIL ENGINEER
ABOVE GRADE ENGINEERING, INC.
245 Higuera Street
San Luis Obispo, CA 93401
TEL (805) 540-5115

LANDSCAPE ARCHITECTS
FIRMA CONSULTANTS INCORPORATED
187 Tank Farm Road Suite 230
San Luis Obispo, CA 93401
TEL (805) 781-9800



David W. Foote PLA #2117
Lindsay A. Corica PLA #6359
187 Tank Farm Road Suite 230
San Luis Obispo CA 93401
805. 781. 9800 fax 805. 781. 9803

CONSULTANT STAMP



REVISIONS

#	NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

EASTSIDE UNION SCHOOL DISTRICT
45006 North 30th Street East
Lancaster, CA 93535
EUSD EASTSIDE ACADEMY PLAYGROUND
3126 EAST AVE, LANCASTER, CA 93535

SHEET TITLE

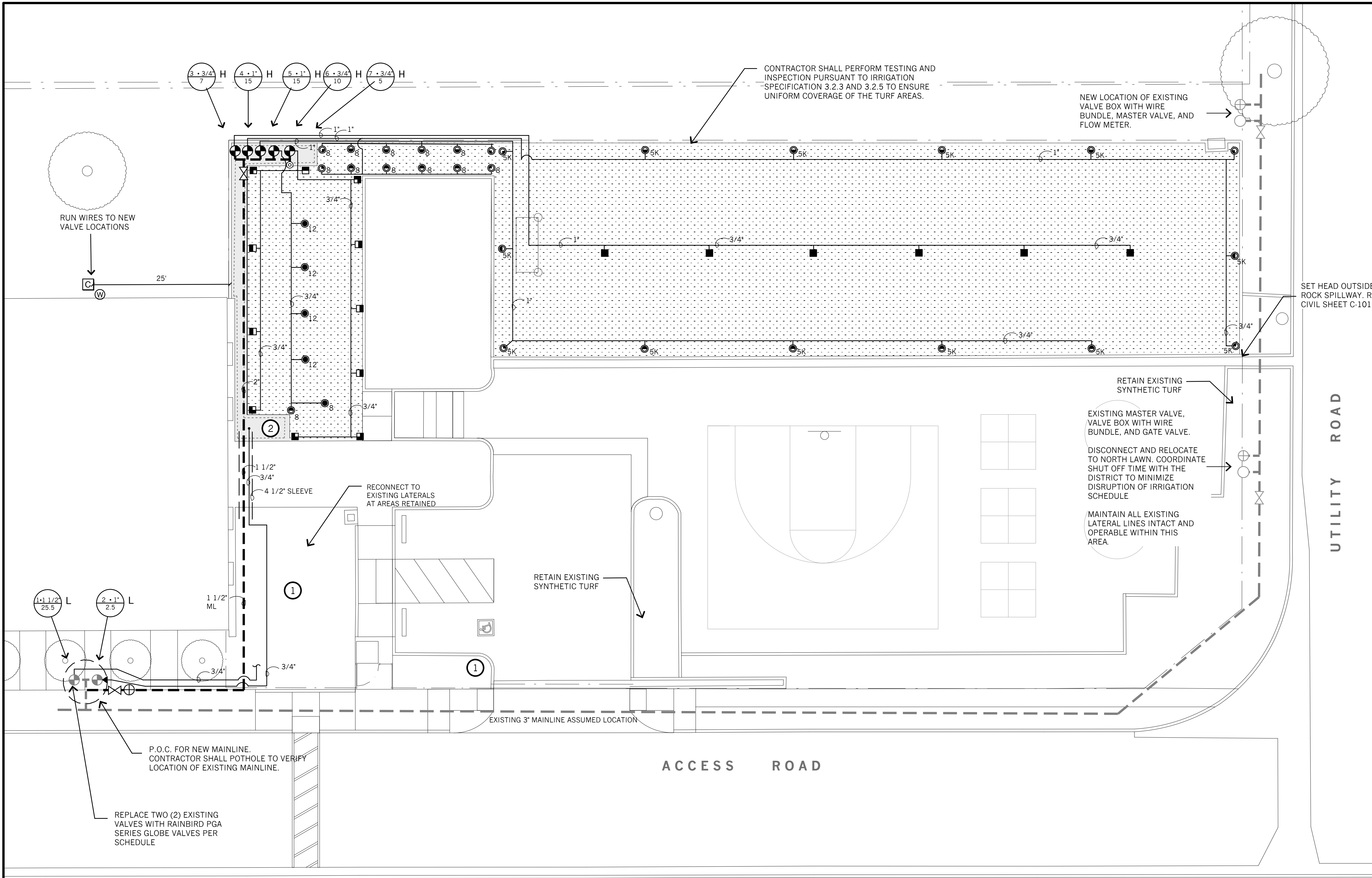
LANDSCAPE SPECIFICATION

DRAWN BY: JOB NUMBER: 21916

SHEET NO.

L.O.1

DATE: March 10, 2020



IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION	MODEL	REF.
	MASTER VALVE	SUPERIOR 3000 1" ECV	DH.23.L.3
	CONTROLLER	RAINBIRD ESP-TM2 7 120V CONTROLLER, PEDESTAL MOUNT	DH.13.L.3
	CONTROLLER ENCLOSURE	STRONG BOX SB-18SSW For Controller & weather receiver module	DH.13.L.3
	FLOW SENSOR	RAINBIRD FS150P 1-1/2" FLOW SENSOR	DTL. 23, L.3
	WEATHER SENSOR	RAINBIRD WR2-RFC W/ NON VOLATILE MEMORY	DH.13.L.3
	R.P. BACKFLOW	WILKINS 975XL 1-1/2"	DH.41.L.3
	BACKFLOW PROTECTION & FREEZE PROTECTION	STRONG BOX SBBC-45CR STRONG BOX PBB-45	
	ELECTRIC CONTROL VALVE	RAINBIRD PGA SERIES GLOBE VALVE, size per plan	DH.10.L.3
	ELECTRIC CONTROL VALVE EXISTING	REPLACE	
	PRESSURE REGULATOR	WILKINS 500XL SERIES (DRIIP)	DH.20.L.3
	FILTER (DRIIP)	AG PRODUCTS #4E, Size to match valve	DH.20.L.3
	QUICK COUPLER VALVE	RAINBIRD 33DRC w/ 33K	DH.22.L.3
	SHUTOFF VALVE		
	PVC BALL VALVE	SPEARS TU2000-2-0408 TRUE UNION	DH.21.L.3
	FLUSH VALVE	STANDARD BALL VALVE	
	PRESSURE LINE		
	EXISTING PRESSURE LINE		
	POP-UP SPRAY HEAD	RAINBIRD MPR SERIES	DTL. 24, L.3
	5K MPR		
	5K MPR		
	8-SERIES MPR-F		
	8-SERIES MPR-H		
	12-SERIES MPR-F		
	TURF ROTOR	RAINBIRD 3500 SERIES 3504-PC	DTL. 44, L.3
	TREE BUBBLER	RAINBIRD RWS-B-1402	DH.23/42.L.3
	LATERAL LINE	CLASS 200 PVC, 12" Deep	DH.12.L.3
	DRIIP PVC LATERAL	CLASS 200 PVC w/ DRIIP TUBE ADAPTOR	DH.30-32.L.3
	DRIIP ZONE	RAINBIRD XFD-P-06-18-length per plan ON-SURFACE DRIPLINE	DH.30-32.L.3
	PVC SLEEVE	PVC SCH 40, 2x LINE SIZE (CORE NEW LATERALS THROUGH EXISTING WALLS OR SLEEVE UNDER FOOTING)	

IRRIGATION OPERATING PRESSURE

1. STATIC PRESSURE: ASSUMED MINIMUM 60 PSI
2. MAXIMUM CIRCUIT FLOW: 25.5 GPM NEW DRIIP, 24 GPM NEW SPRAY
3. MINIMUM CALCULATED OPERATING PRESSURE: 25 PSI FOR TURF ROTORS

NOTIFY OWNER / APPROVING AGENCY IN WRITING OF STATIC PRESSURE AT POINT OF CONNECTION BEFORE START OF CONSTRUCTION.

IRRIGATION SHEET NOTES

1. RECORD DRAWINGS MAY BE OBTAINED THOROUGH PROJECT MANAGER.
2. THE CONTRACTOR SHALL INSPECT THE SITE PRIOR TO BIDDING.
3. THE CONTRACTOR MAY USE AN ALTERNATIVE CONTROL VALVE TO OPERATE A GIVEN DRIIP ZONE SHOWN ON THE PLANS TO PROVIDE FOR EFFICIENCY AND MINIMIZE ANY NEW PIPING.
4. TO ACCOMMODATE UNFORESEEN CONDITIONS, THE CONTRACTOR'S BID SHALL INCLUDE THE ADDITIONAL LABOR AND MATERIALS FOR UP TO ONE "NEW" ELECTRIC CONTROL VALVE, FILTER AND PRESSURE REGULATOR, VALVE BOXES AND 50 FEET OF NEW TRENCHING WITH 1" PRESSURE LINE SCHEDULE 40 PVC, WITH RELATED CONTROL WIRES TO ACCOMMODATE THE NEED FOR VALVES OR CONTROL WIRES IN LOCATIONS OTHER THAN AS SHOWN. THE PROVISION FOR THESE VALVES IS TO AVOID THE NEED FOR SAWCUT, TRENCHING AND PATCHING EXISTING PAVEMENT, HOWEVER OTHER JUSTIFICATIONS MAY ARISE. IF UNUSED, PROVIDE TO EXTRA VALVE, FILTER AND PRESSURE REGULATOR, AND VALVE BOX TO THE DISTRICT AT CLOSE OUT.
5. CONTRACTOR SHALL PROTECT ALL EXISTING WALLS IN PLACE AND VERIFY APPROPRIATE CORING LOCATION DURING CONSTRUCTION.
6. SLEEVE UNDER ALL PAVING PER SPECIFICATIONS.
7. LATERAL & MAINLINE LOCATIONS ARE SCHEMATIC. LOCATE PIPING IN PLANTER ADJACENT TO PAVING EDGE.
8. BORE OR JET THROUGH EXISTING CONCRETE TO PLACE LATERAL LINE SLEEVE, TYPICAL.
9. MAINTAIN 36" VERTICAL AND HORIZONTAL SEPARATION BETWEEN ALL WET AND DRY UTILITIES.

IRRIGATION SYSTEM RENOVATION

- REMOVE ALL EXISTING VALVES AND REPLACE PER IRRIGATION PLAN AND NOTES ON SHEET L.2. EXISTING MAIN LINE SHALL BE RETAINED.

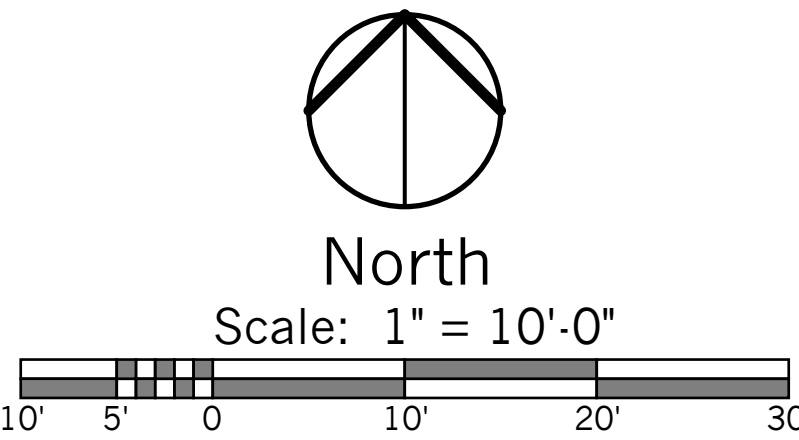
LATERAL LINE PIPE SIZING CHART:

0 - 8 GPM:	3/4" DIA.
8-12 GPM:	1" DIA.
12-22 GPM:	1-1/4" DIA.
22-30 GPM:	1-1/2" DIA.
30-50 GPM:	2" DIA.

LATERAL LINE PIPE SIZES TO BE DETERMINED BY CONTRACTOR USING MANUFACTURER'S NOZZLE PERFORMANCE FLOWS AT 30 PSI. SIZE PIPE SO AS NOT TO EXCEED 4 FEET PER SECOND VELOCITY IN ANY PIPE SEGMENT.

XFD DRIPLINE STANDARD ROW CONFIGURATIONS

PLANTER WIDTH	NUMBER OF ROWS PER DRIPLINE SPACING		
	12" ON CENTER	18" ON CENTER	24" ON CENTER
1' TO 1.5'	1	1	1
1.5' TO 3'	2	2	1
4' TO 5'	4	3	2
6' TO 7'	4	3	3
8' TO 9'	8	4	3
10'	9	5	4
12'	11	6	5



AGENCY APPROVAL FILE #42-48



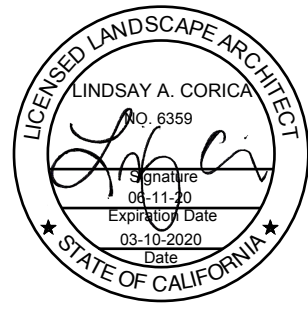
CONSULTANTS CIVIL ENGINEER ABOVE GRADE ENGINEERING, INC. 245 Higuera Street San Luis Obispo, CA 93401 TEL (805) 540-5115

LANDSCAPE ARCHITECTS FIRMA CONSULTANTS INCORPORATED 187 Tank Farm Road Suite 230 San Luis Obispo, CA 93401 TEL (805) 781-9800



David W. Foote PLA #2117 Lindsay A. Corica PLA #6359 187 Tank Farm Road Suite 230 San Luis Obispo CA 93401 805.781.9800 fax: 805.781.9803

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PROJECT OWNER & TITLE

EASTSIDE UNION SCHOOL DISTRICT 45006 North 30th Street East Lancaster, CA 93535

EUSD EASTSIDE ACADEMY PLAYGROUND

3126 EAST AVE, LANCASTER, CA 93535

SHEET TITLE

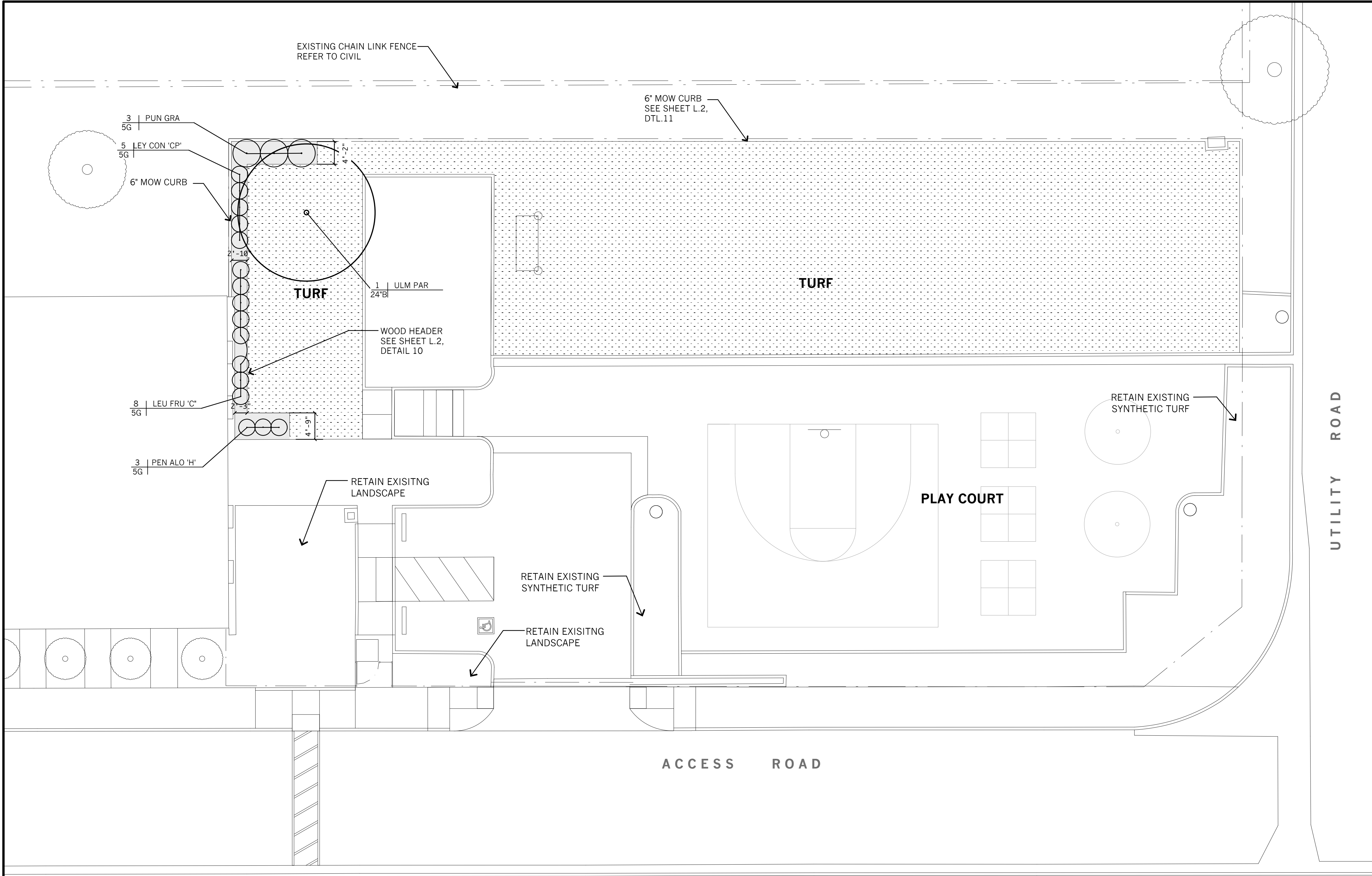
IRRIGATION PLANS

DRAWN BY: JOB NUMBER: 21916

SHEET NO. 1

L.1

DATE: March 10, 2020



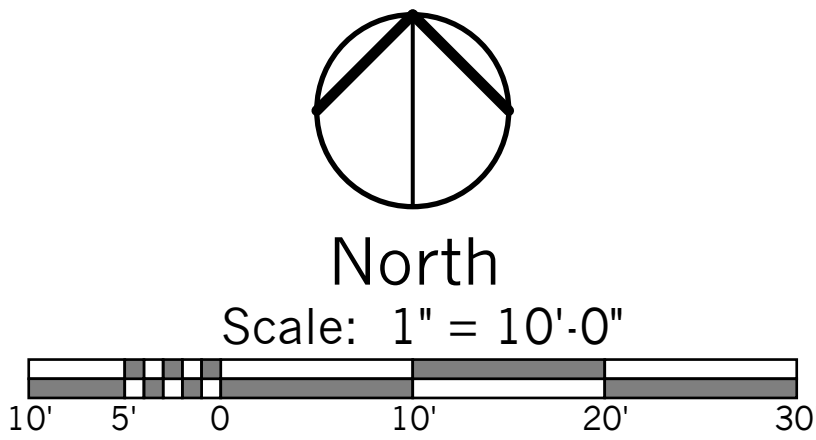
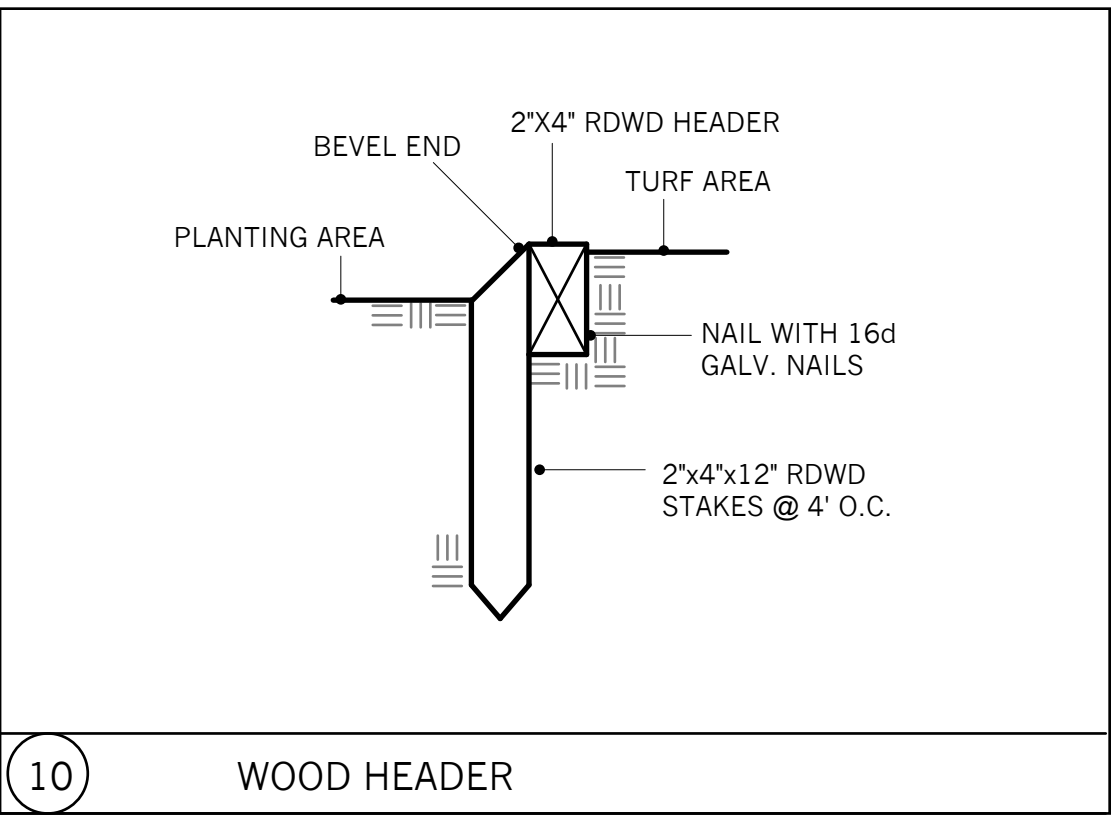
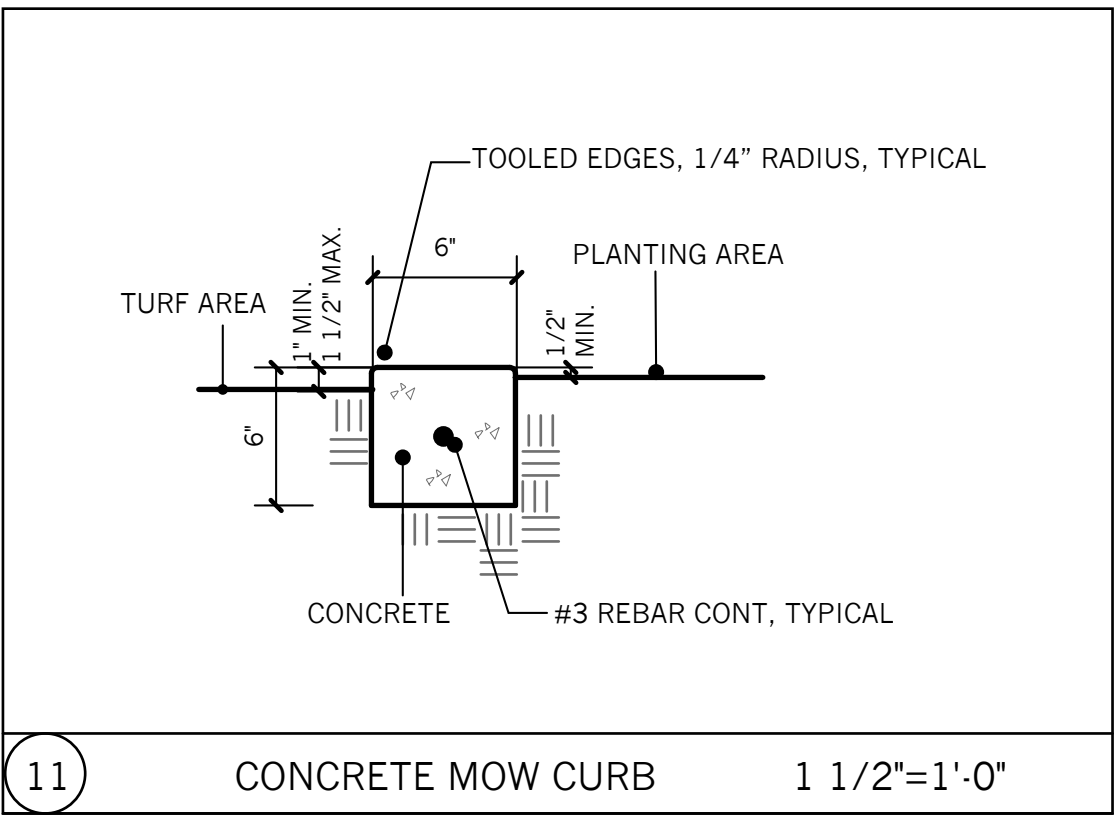
PLANT LIST

ABBREV TREES	SIZE	BOTANICAL NAME / COMMON NAME	WUCOLS RATING
ULM PAR 'B'	24\"B	ULMUS PARVIFOLIA 'BREA' / EVERGREEN ELM	L/M
SHRUBS			
LEU FRU 'C'	5G	LEUCOPHYLLUM FRUTESCENS 'COMPACTA' / COMPACT TEXAS SAGE	L/M
LEY CON 'CP'	5G	LEYMUS CONDENSATUS 'CANYON PRINCE' / CANYON PRINCE WILD RYE	L/M
PEN ALO 'H'	5G	PENNISETUM ALOPECUROIDES 'HAMELIN' / DWARF FOUNTAIN GRASS	L/M
PUN GRA 'N'	5G	PUNICA GRANATUM 'NANA' / DWARF POMEGRANATE	L/M

MULCH
MULCH ALL GROUND COVER AND PLANTER AREAS WITH 3\"

LEGEND
G = GALLONS
B = BOX
DRB = DEEP ROOT BARRIER.
SEE SHEET L.4 DETAIL 42-43.
REQUIRED FOR ALL TREES LESS THAN 7\"

NEW TURF
BARENBERG 'PANAMA' BERMUDA GRASS SEED BLEND WITH YELLOW JACKET SEED COATING APPLIED AT 3 LBS PER 1,000 SQUARE FEET.



AGENCY APPROVAL FILE #42-48

19.6
ARCHITECTS
560 HIGUERA STREET, SUITE C
SAN LUIS OBISPO, CA 93401
TEL (805) 476-0399

CONSULTANTS
CIVIL ENGINEER
ABOVE GRADE ENGINEERING, INC.
245 Higuera Street
San Luis Obispo, CA 93401
TEL (805) 540-5115

LANDSCAPE ARCHITECTS
FIRMA CONSULTANTS INCORPORATED
187 Tank Farm Road Suite 230
San Luis Obispo, CA 93401
TEL (805) 781-9800

firma
landscape architects
architectural landscape architects

David W. Foote PLA #2117
Lindsay A. Corica PLA #6359
187 Tank Farm Road Suite 230
San Luis Obispo CA 93401
805.781.9800 fax 805.781.9803

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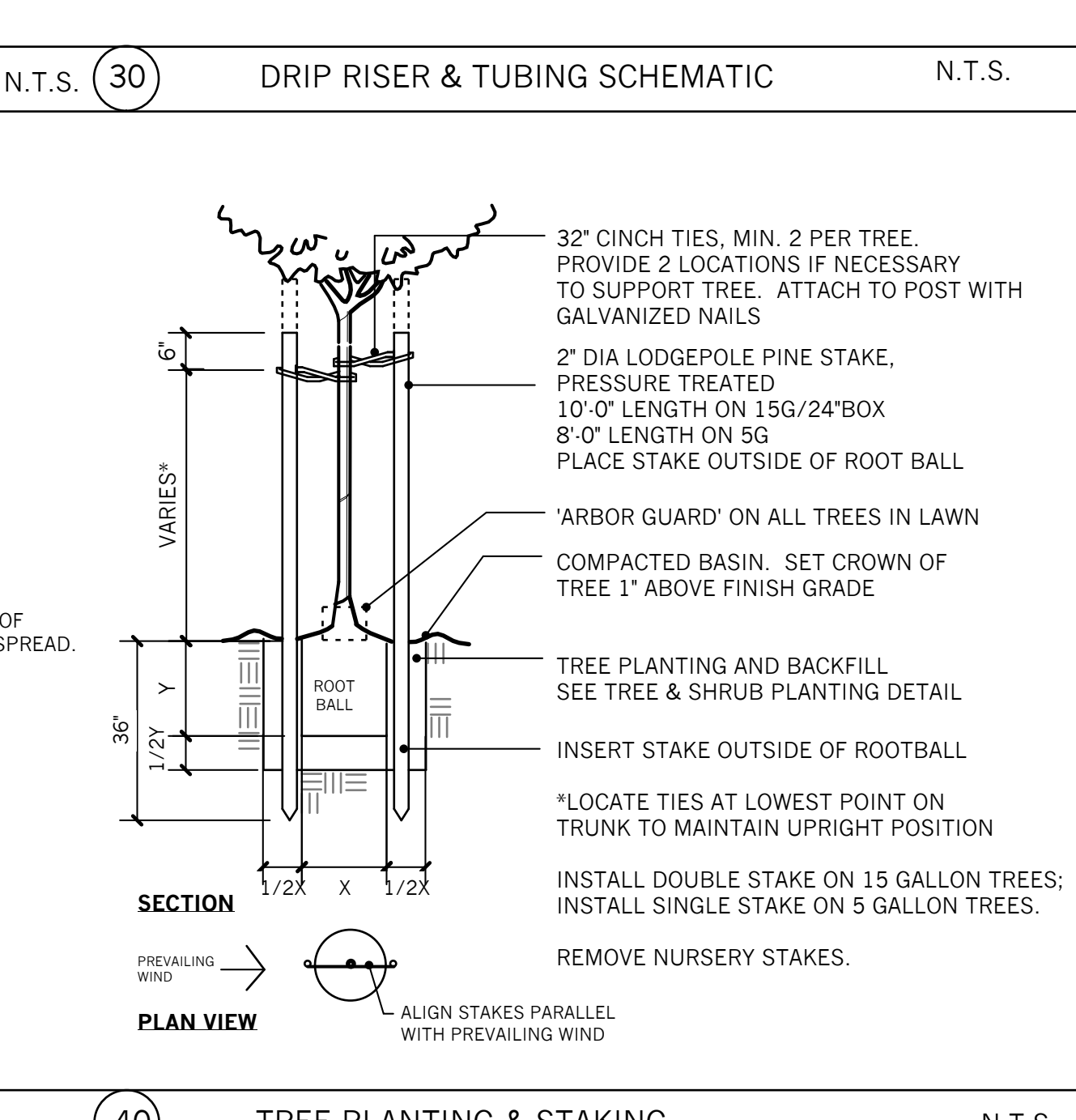
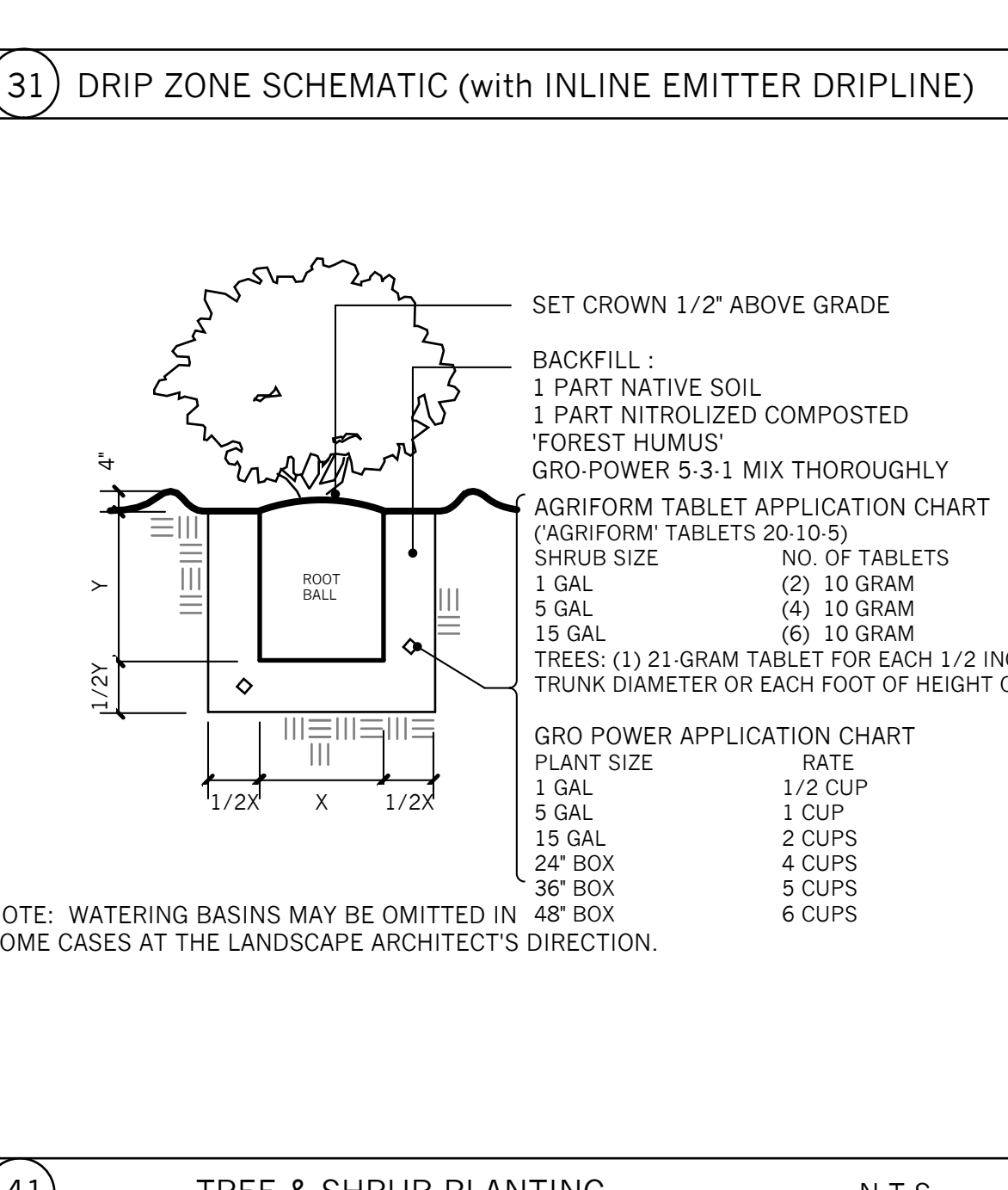
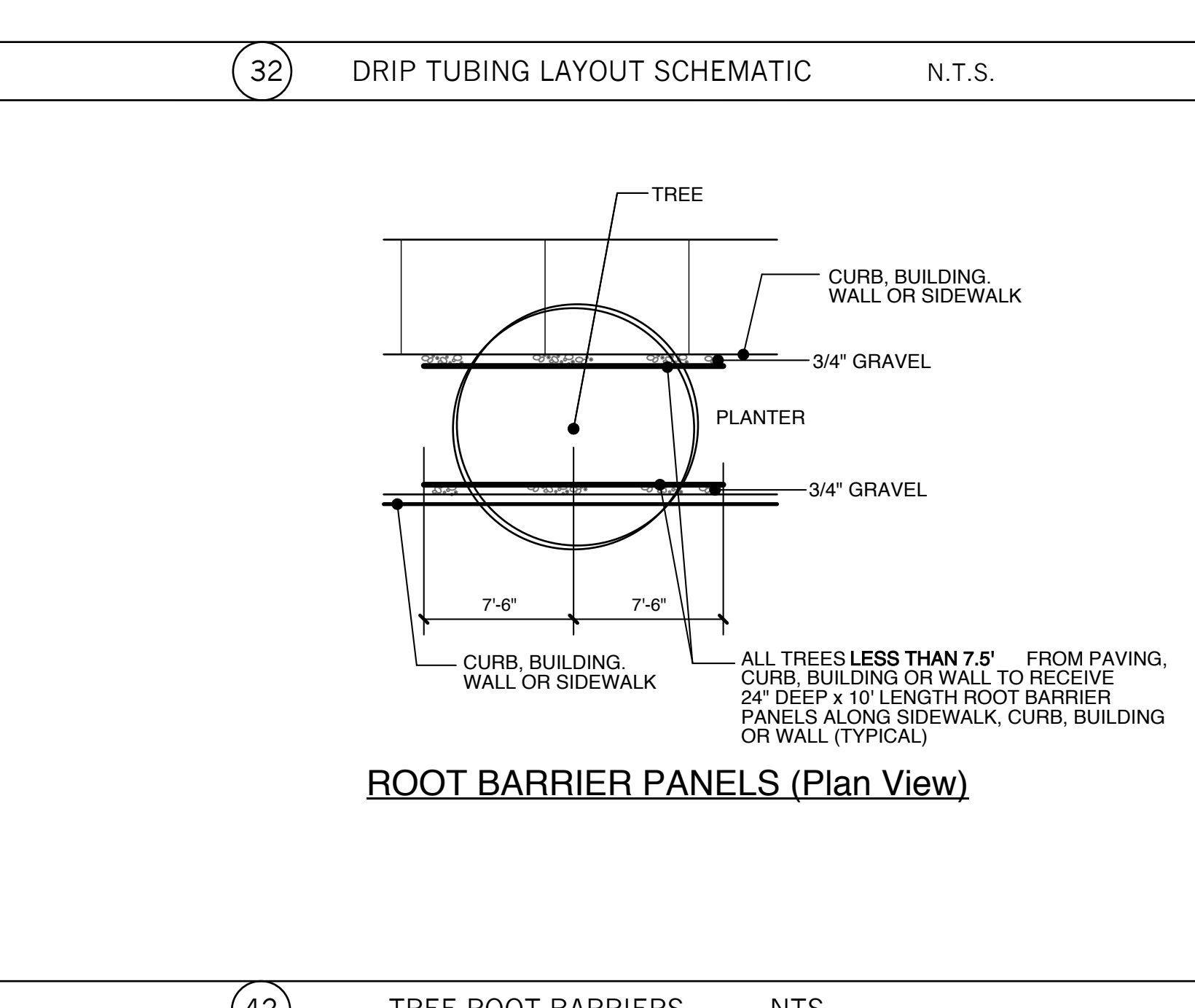
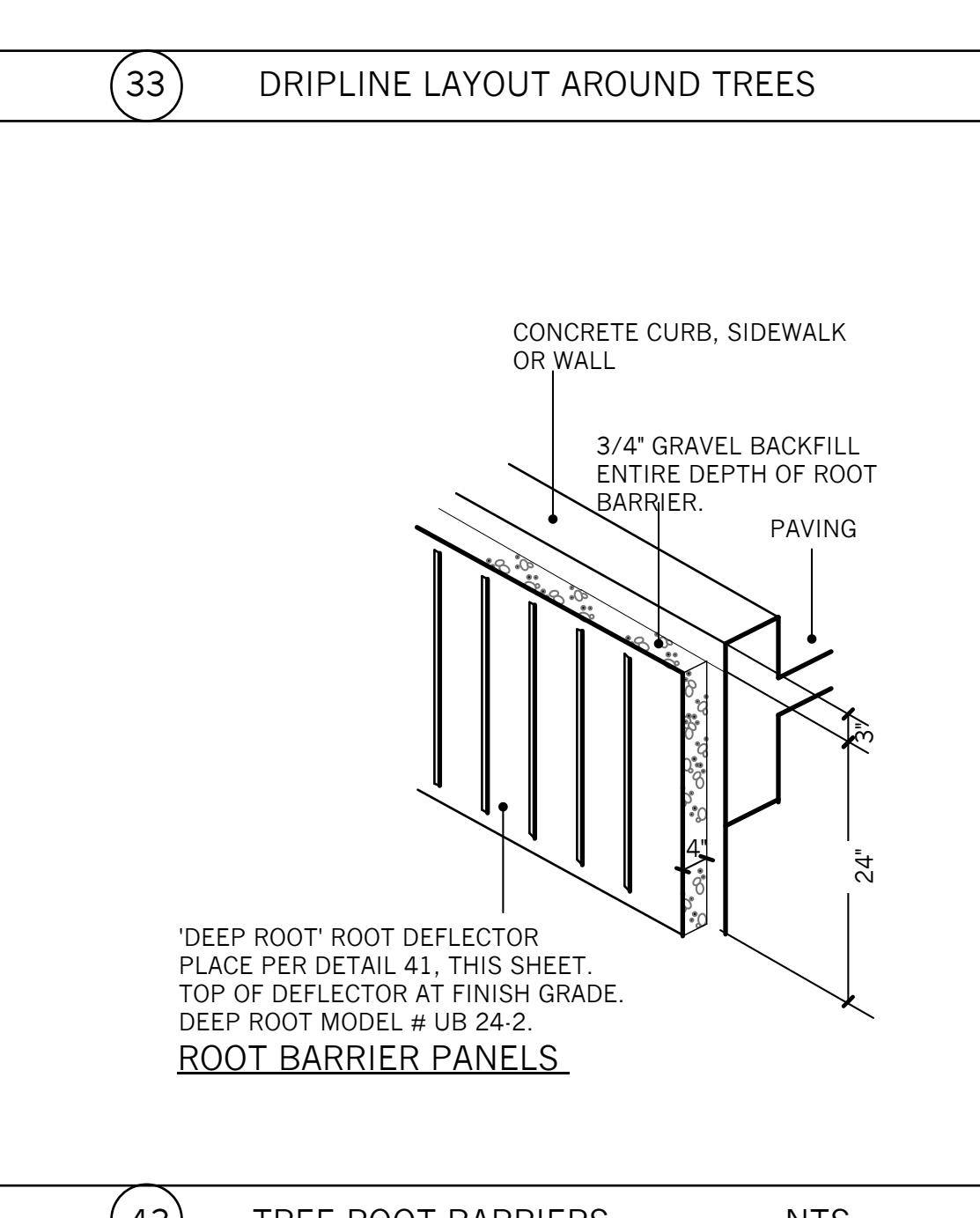
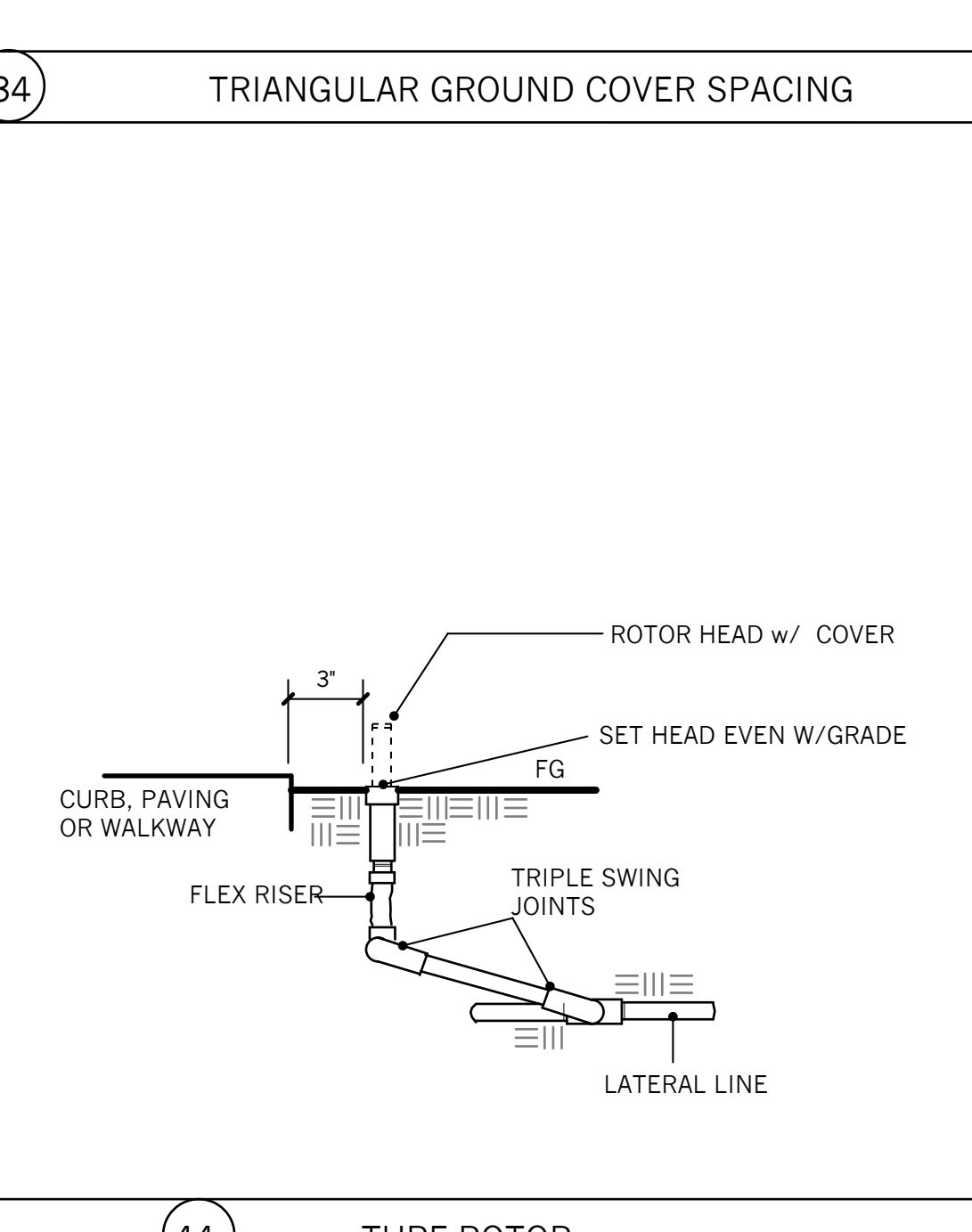
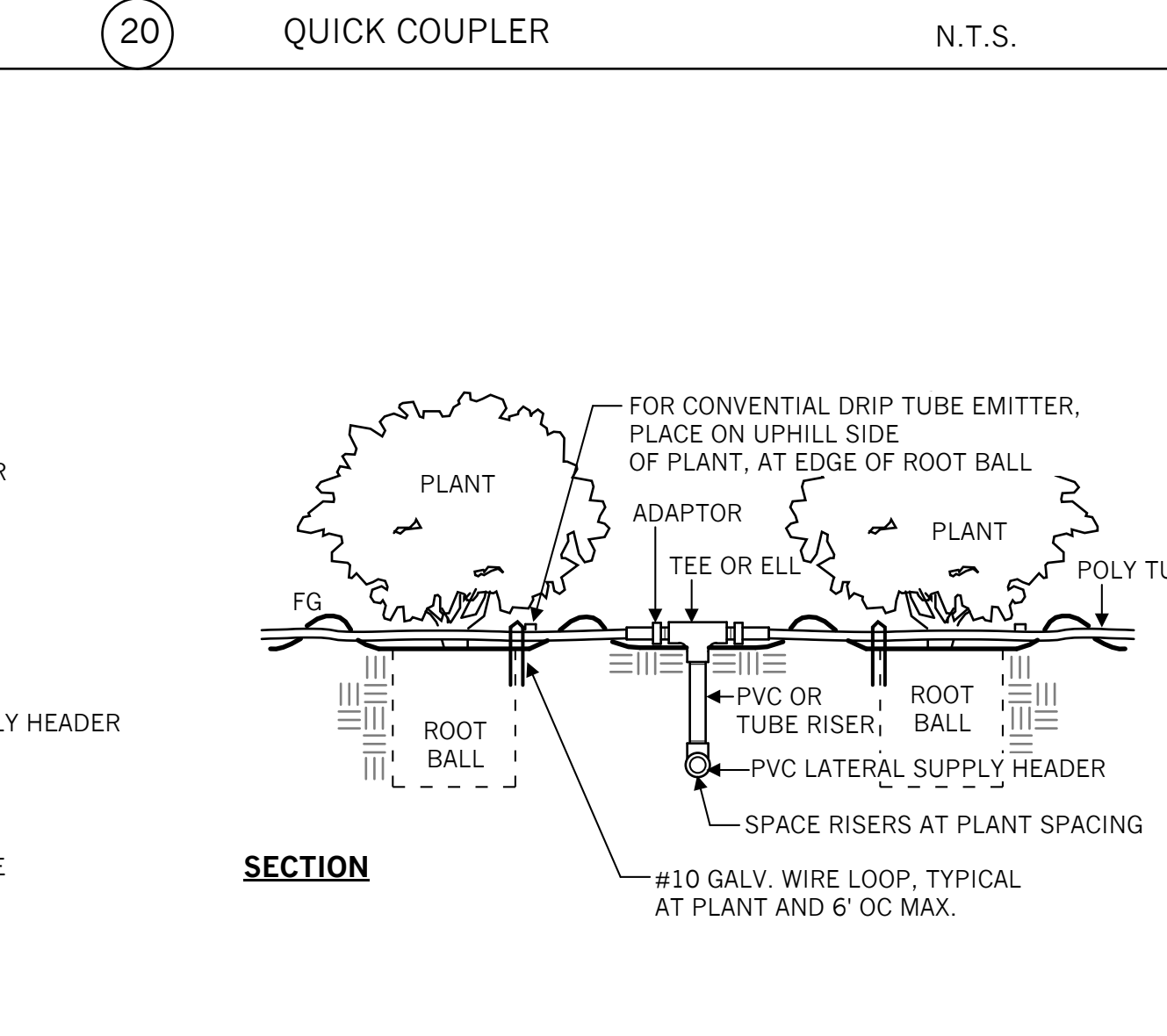
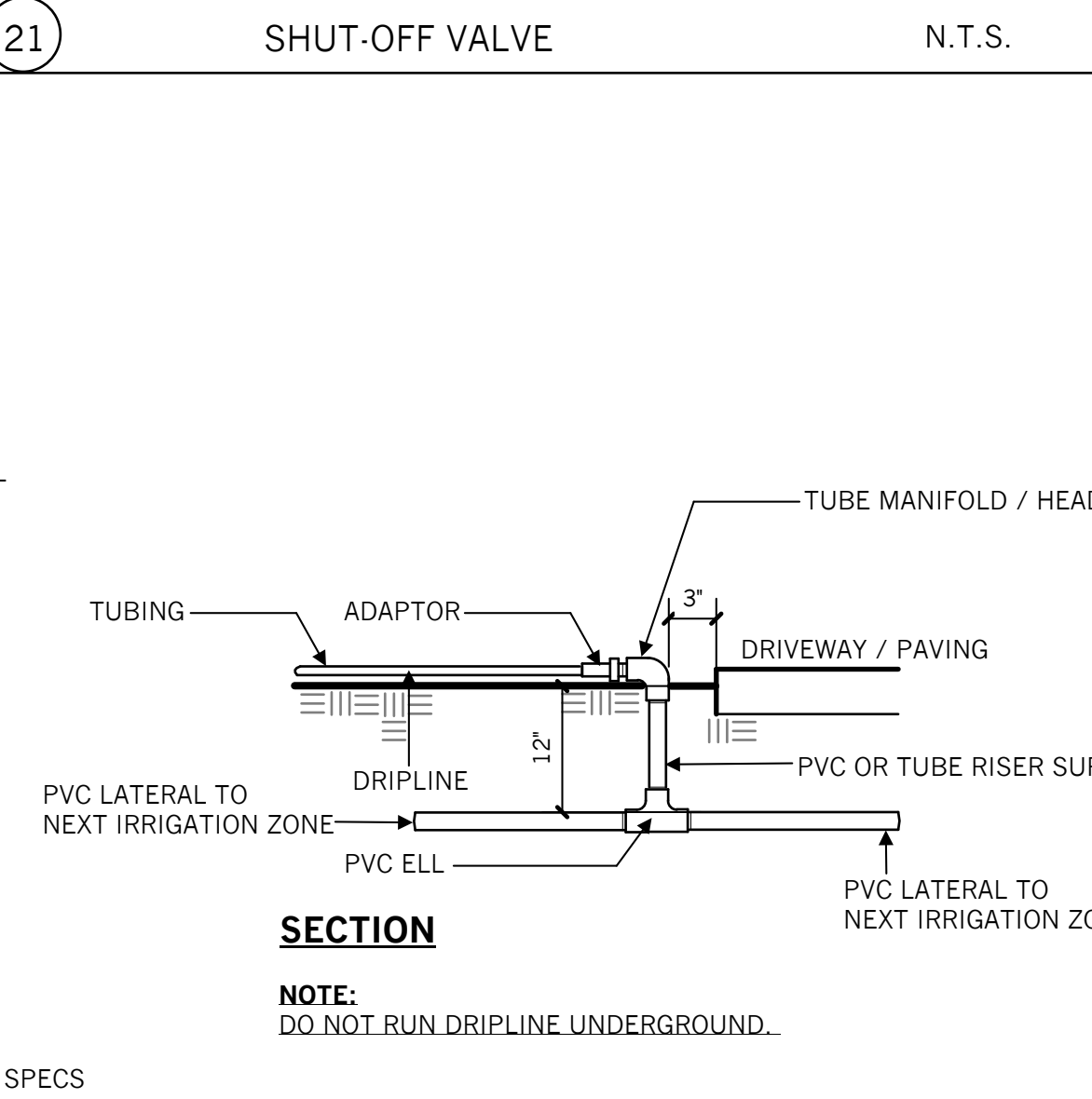
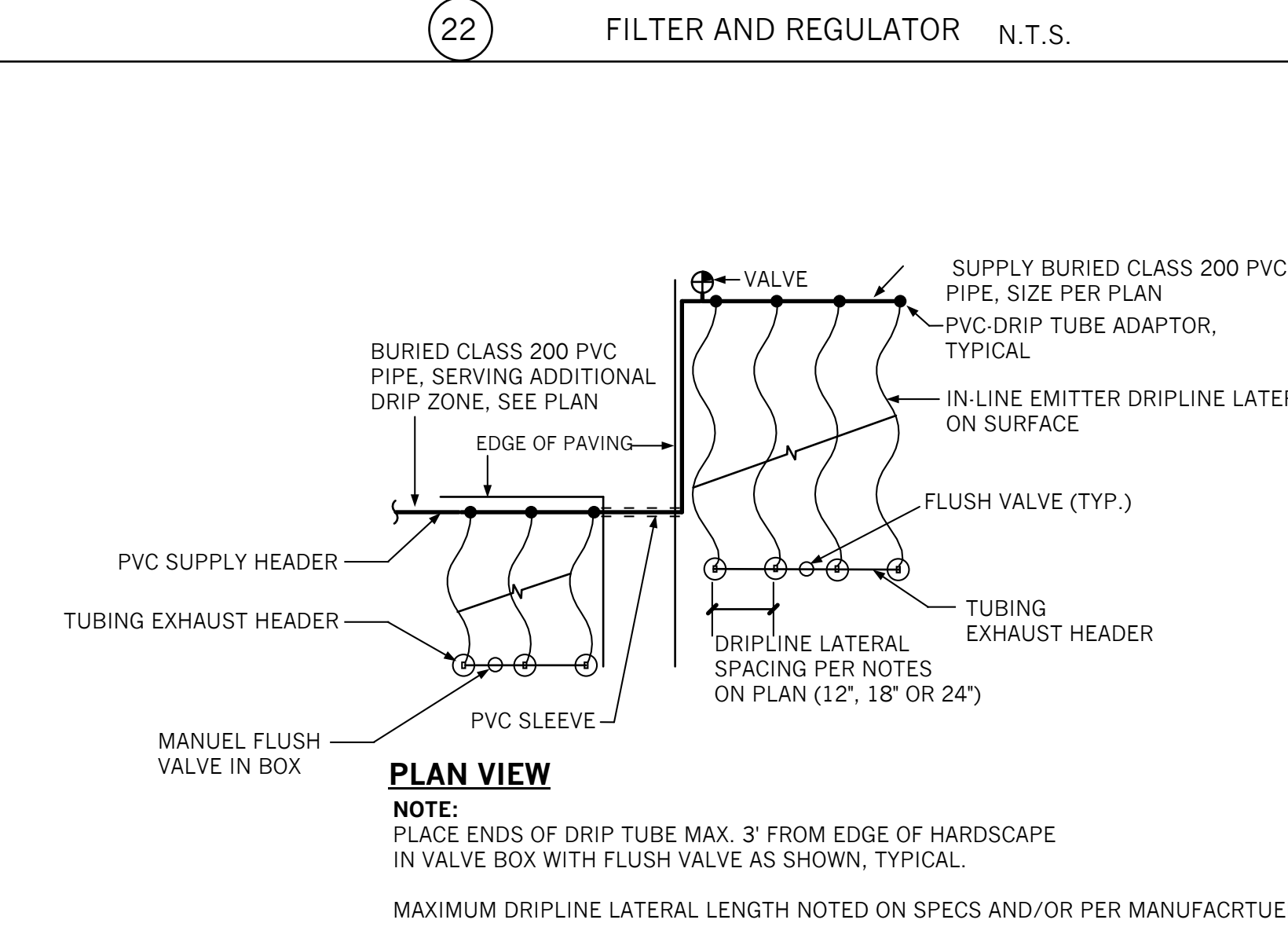
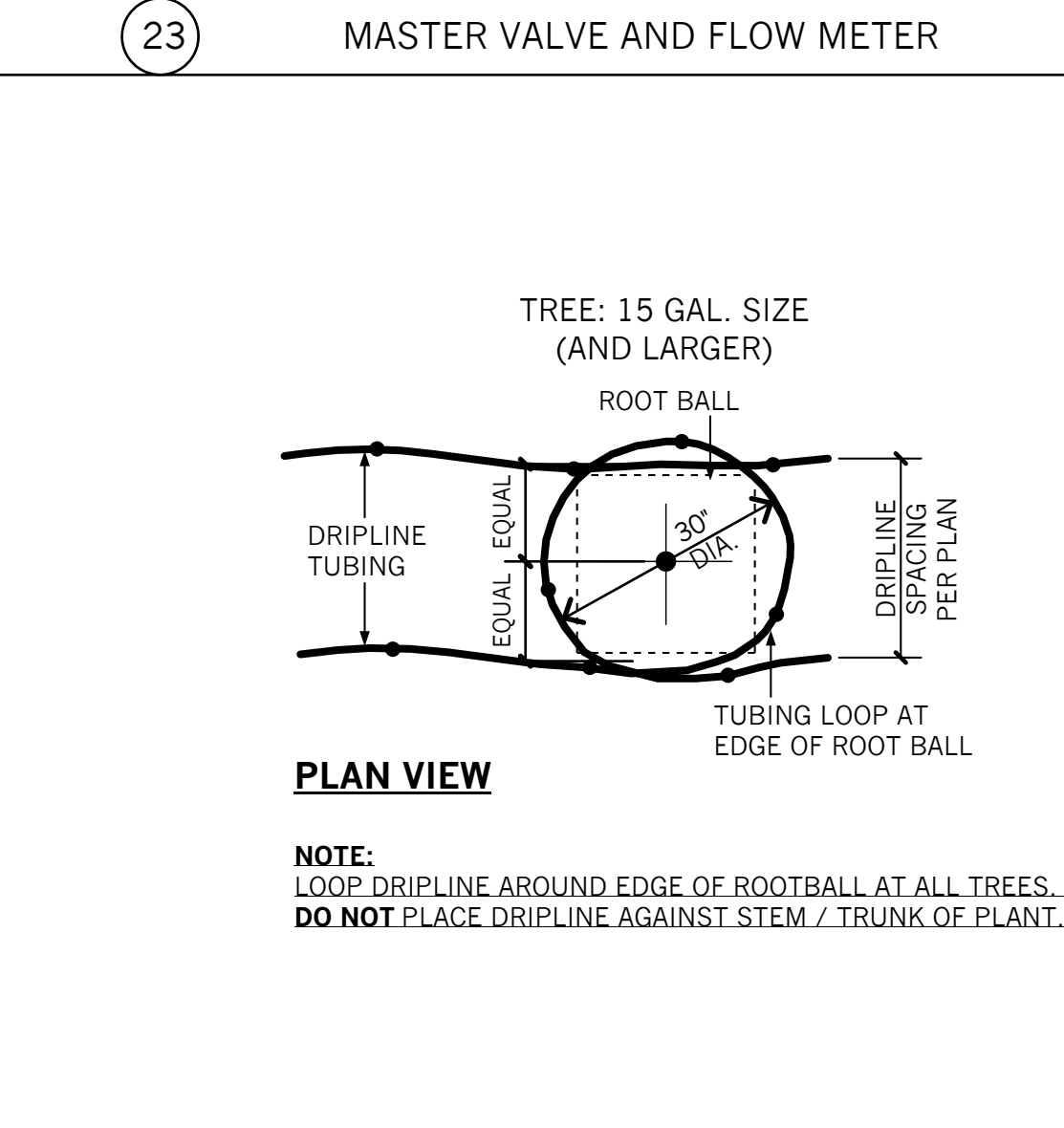
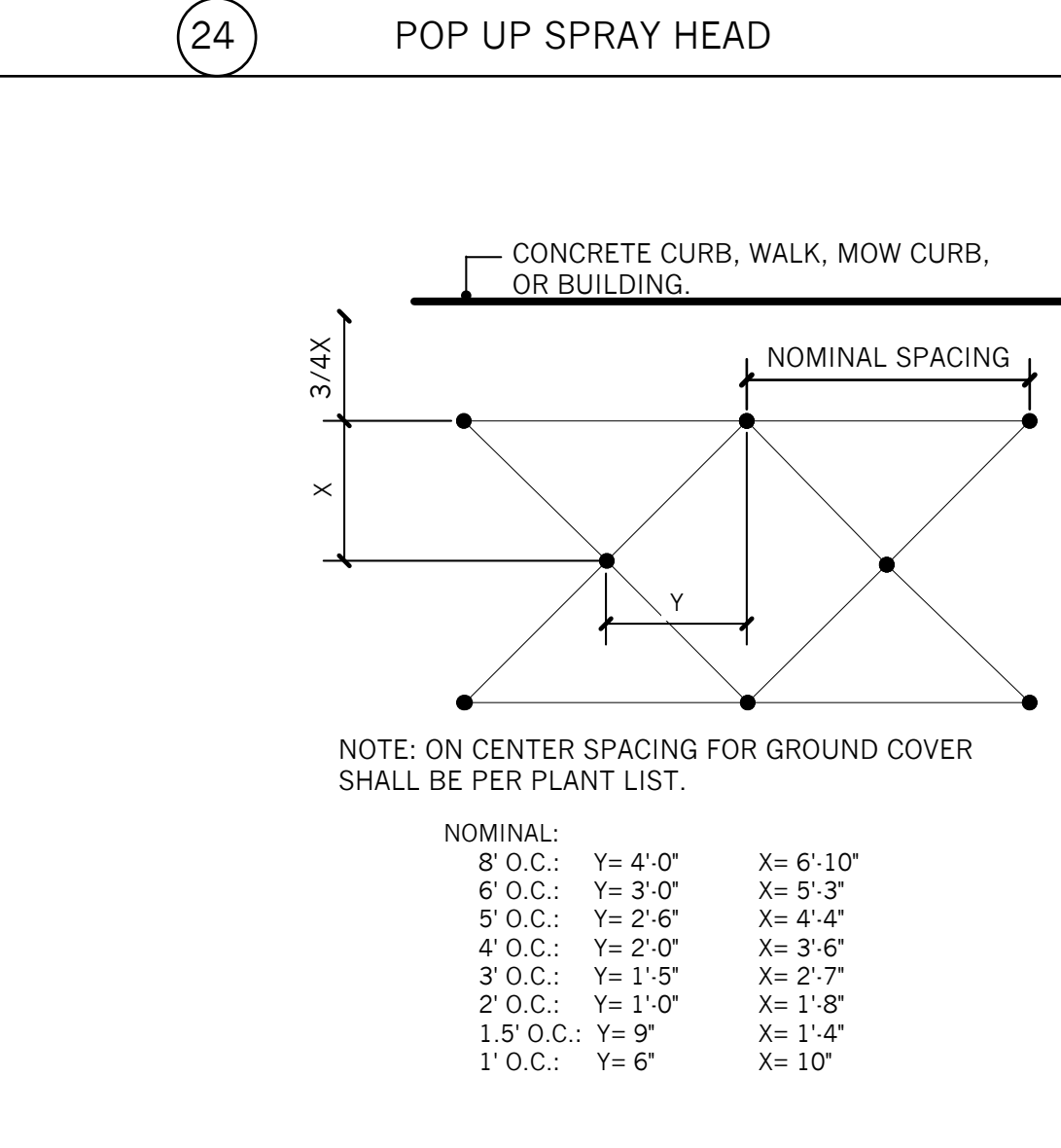
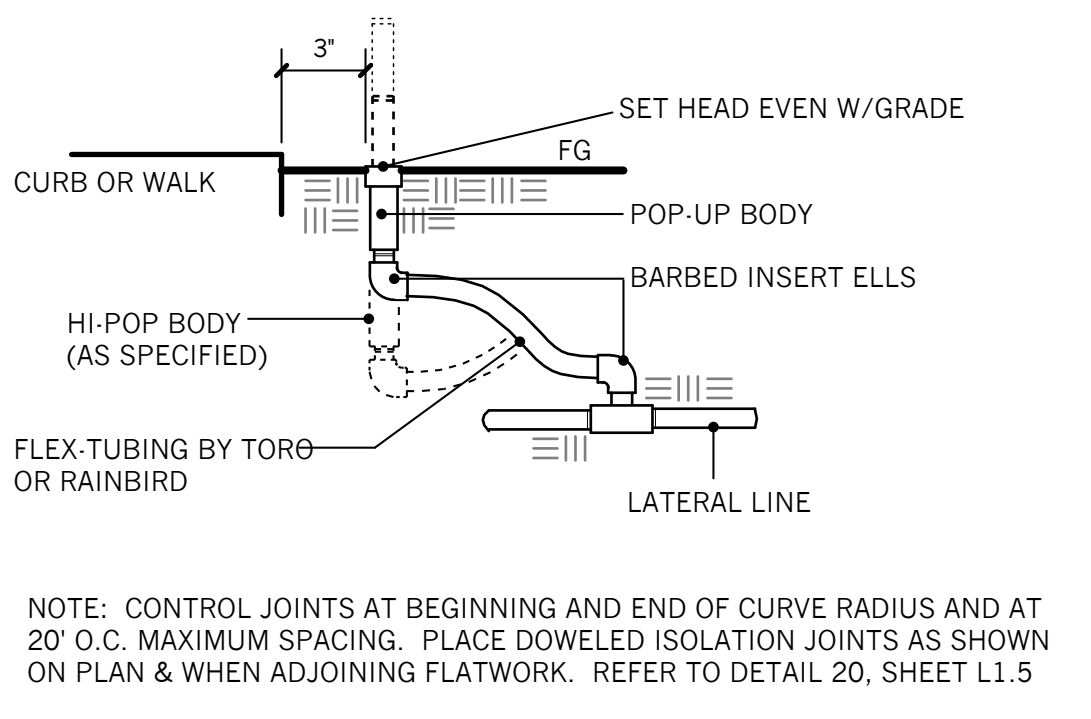
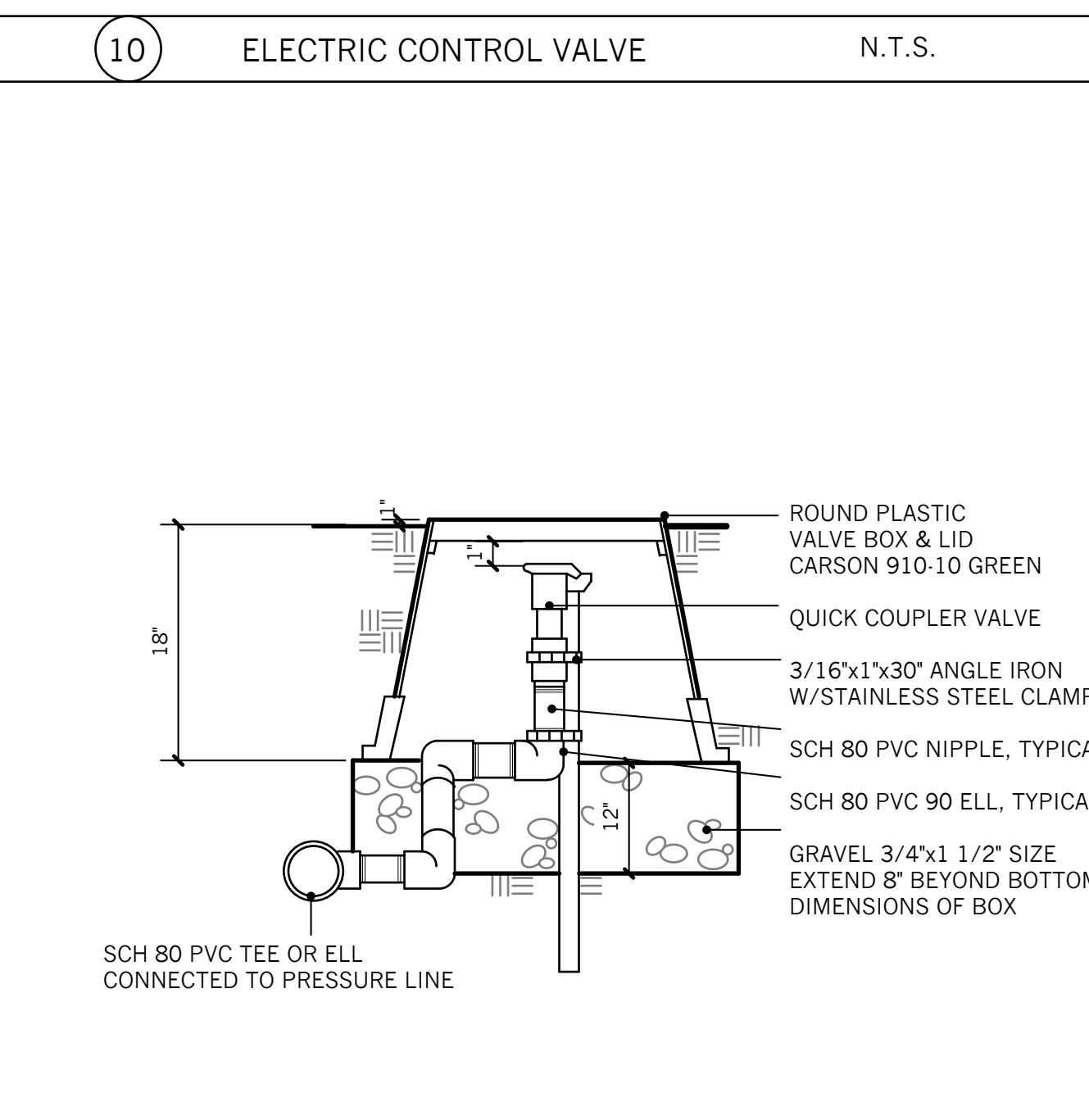
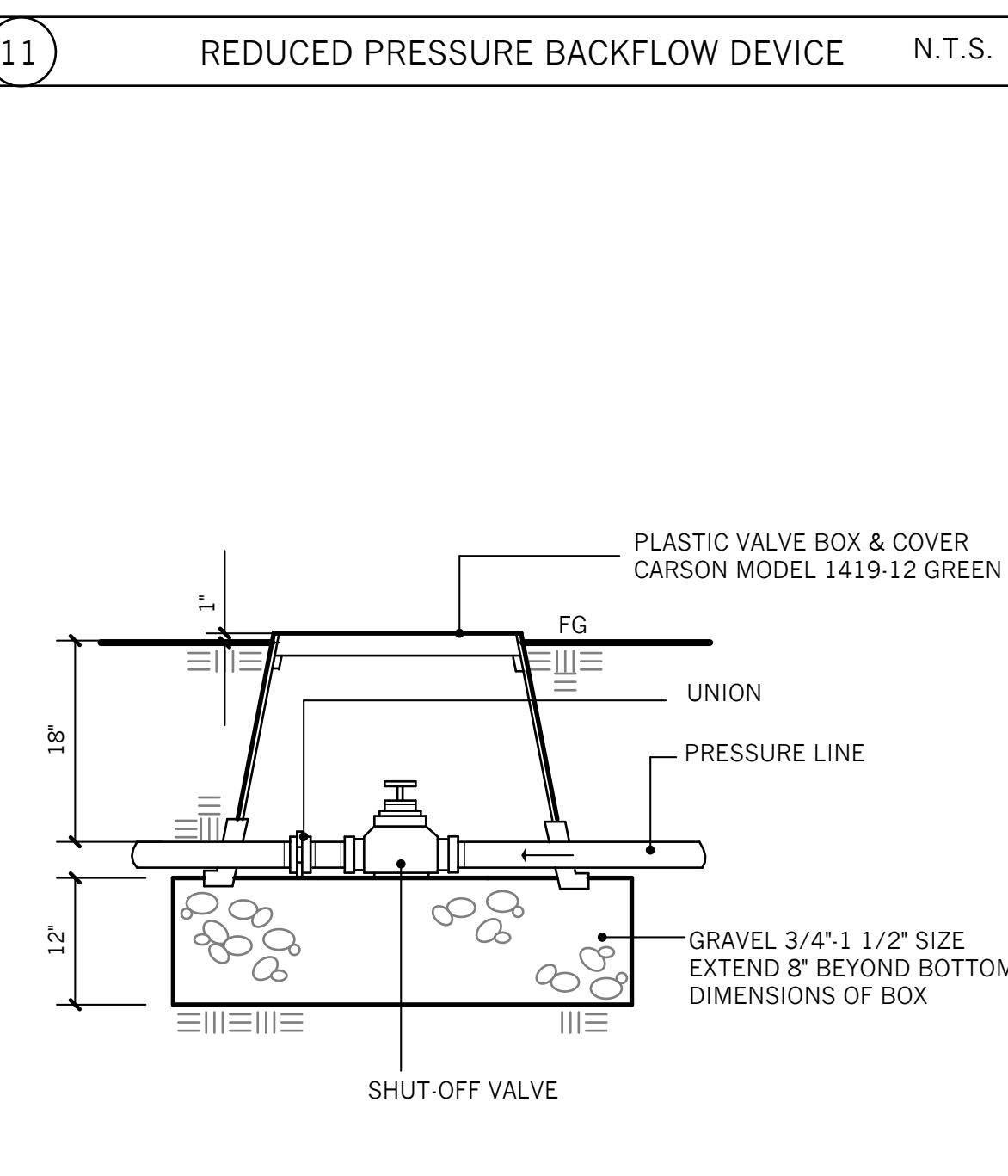
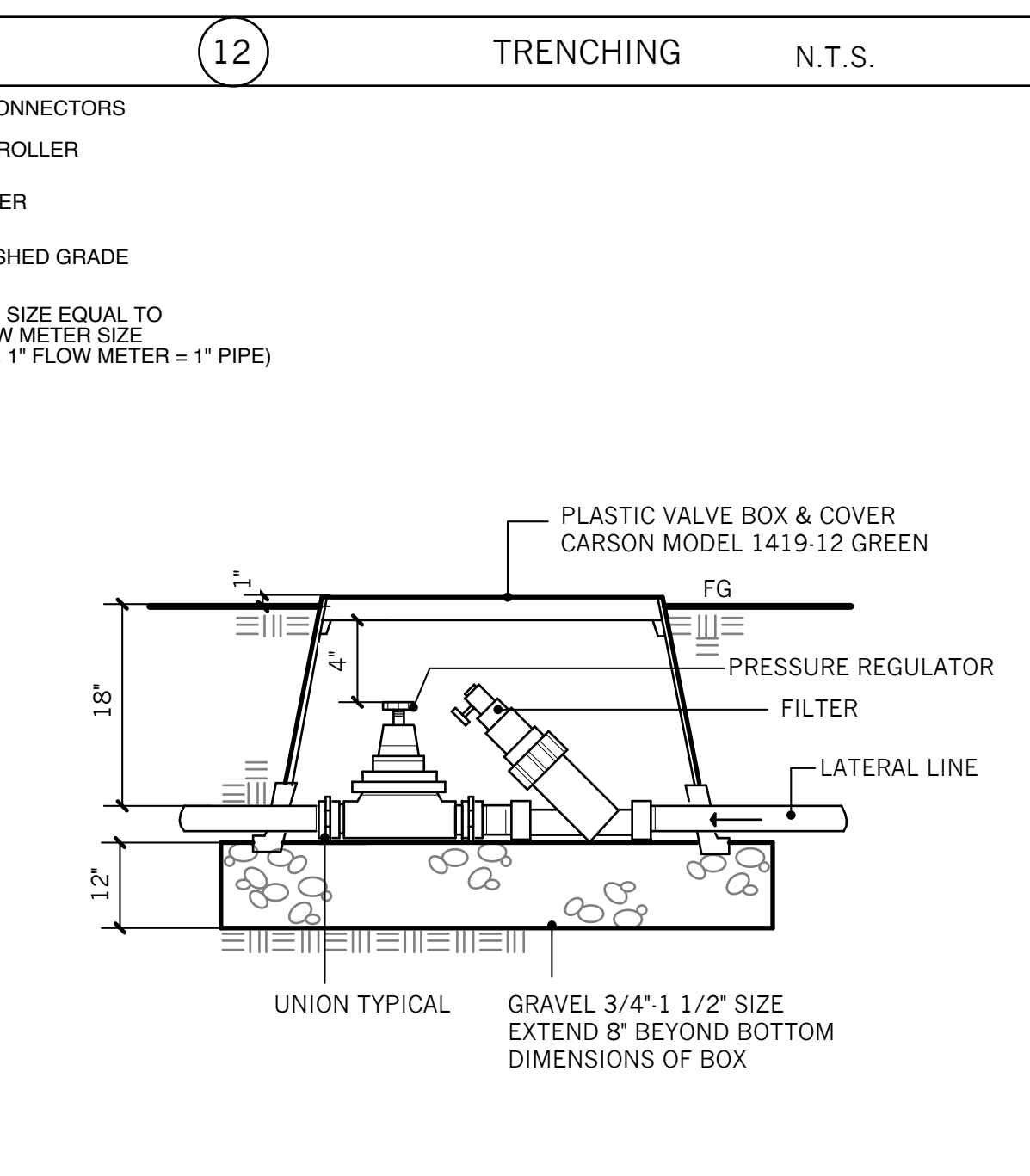
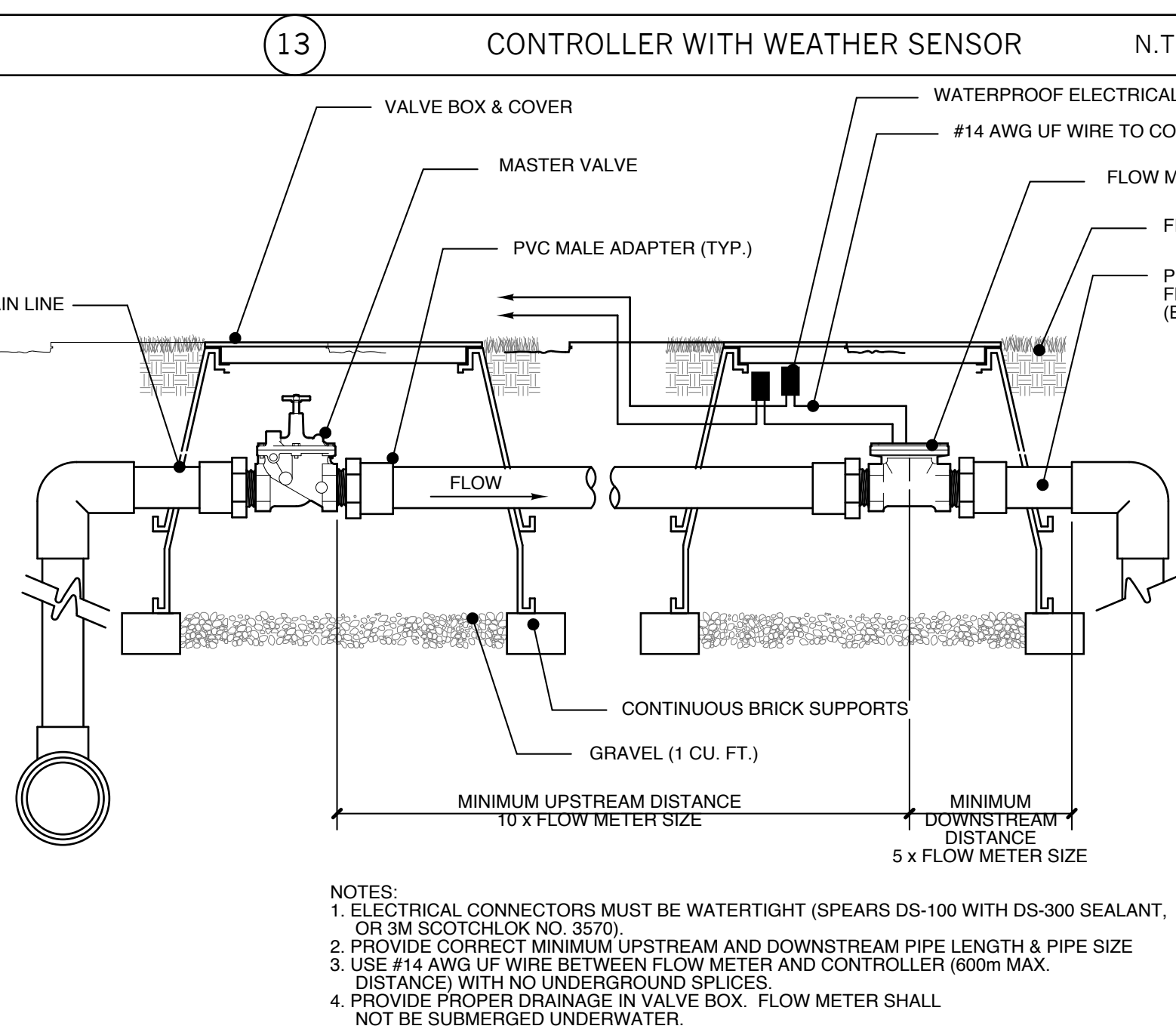
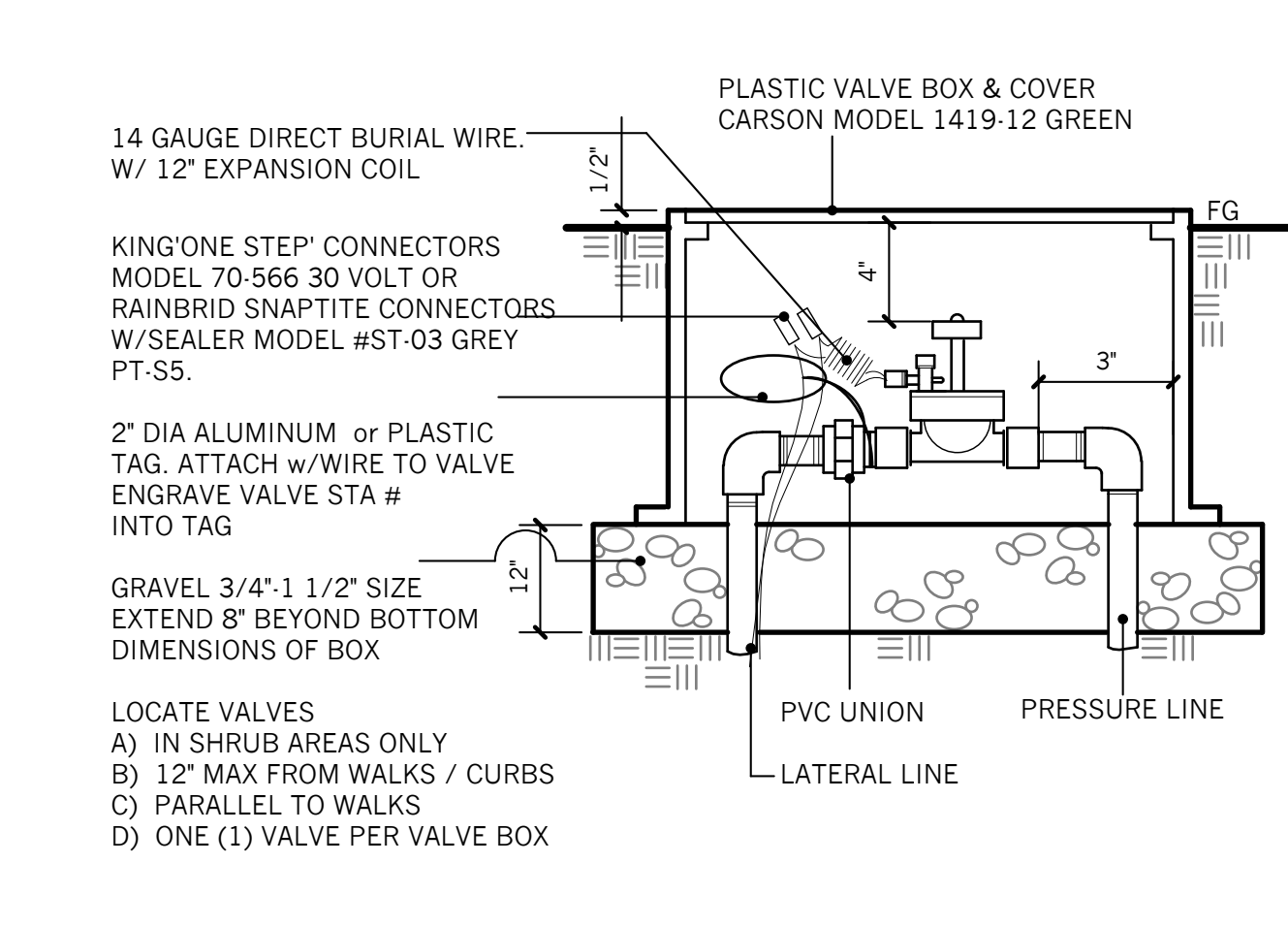
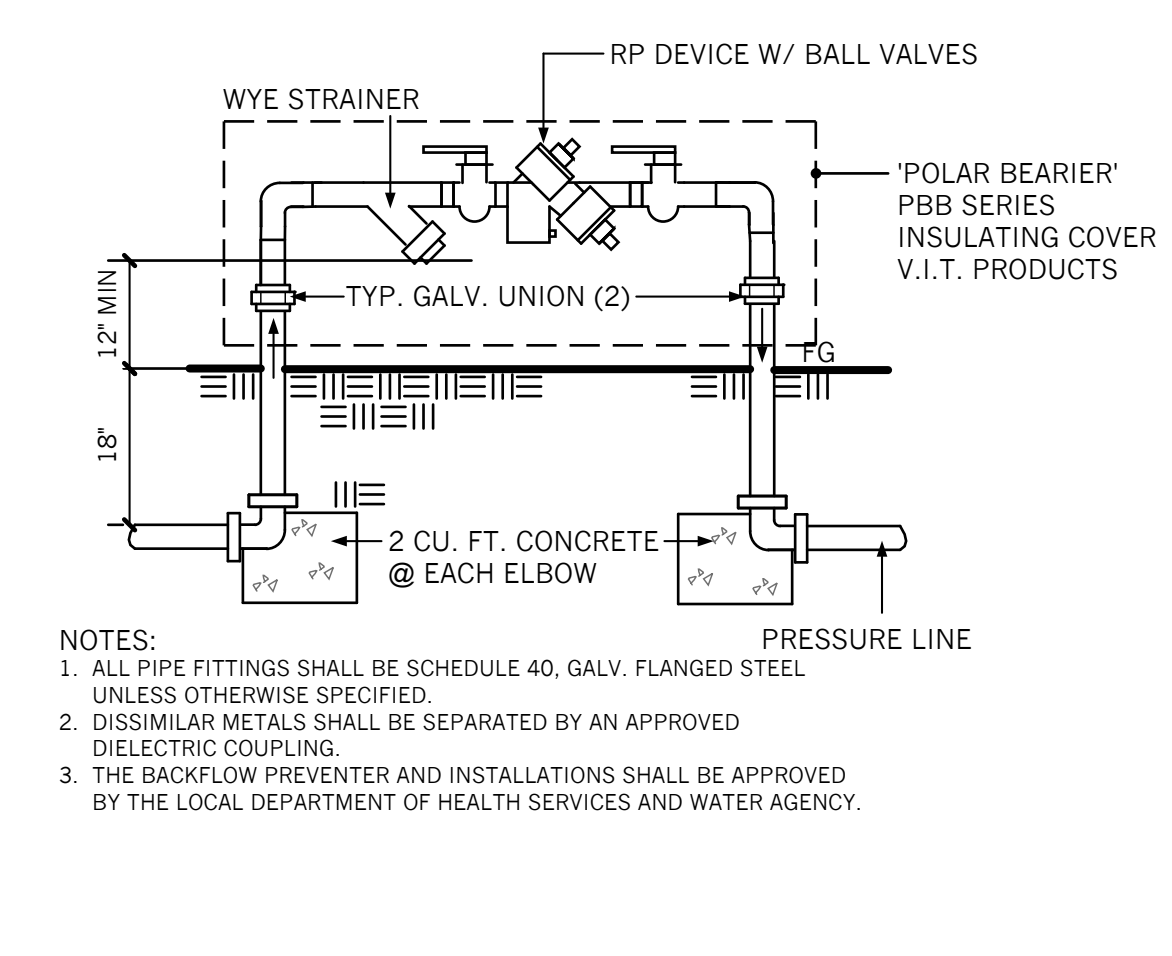
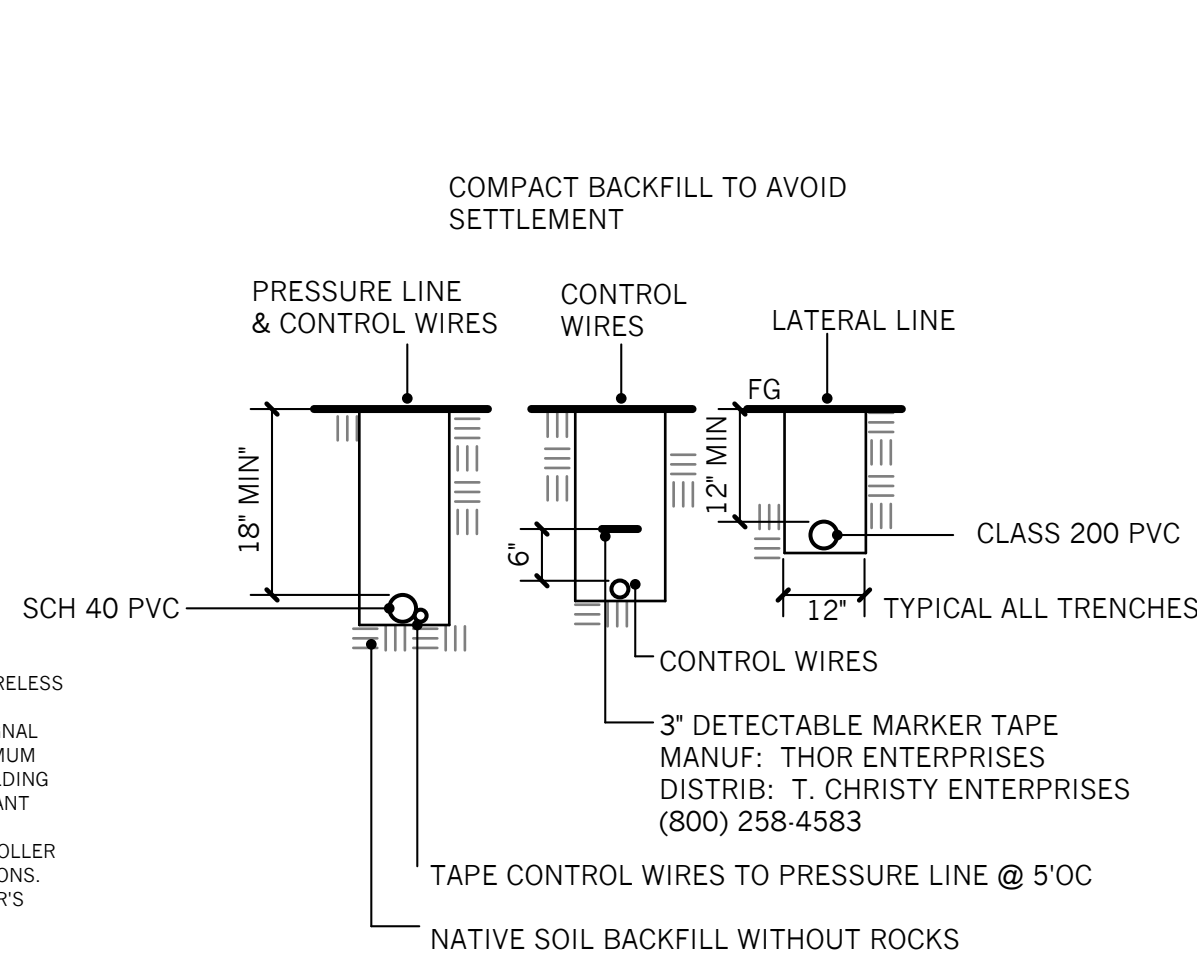
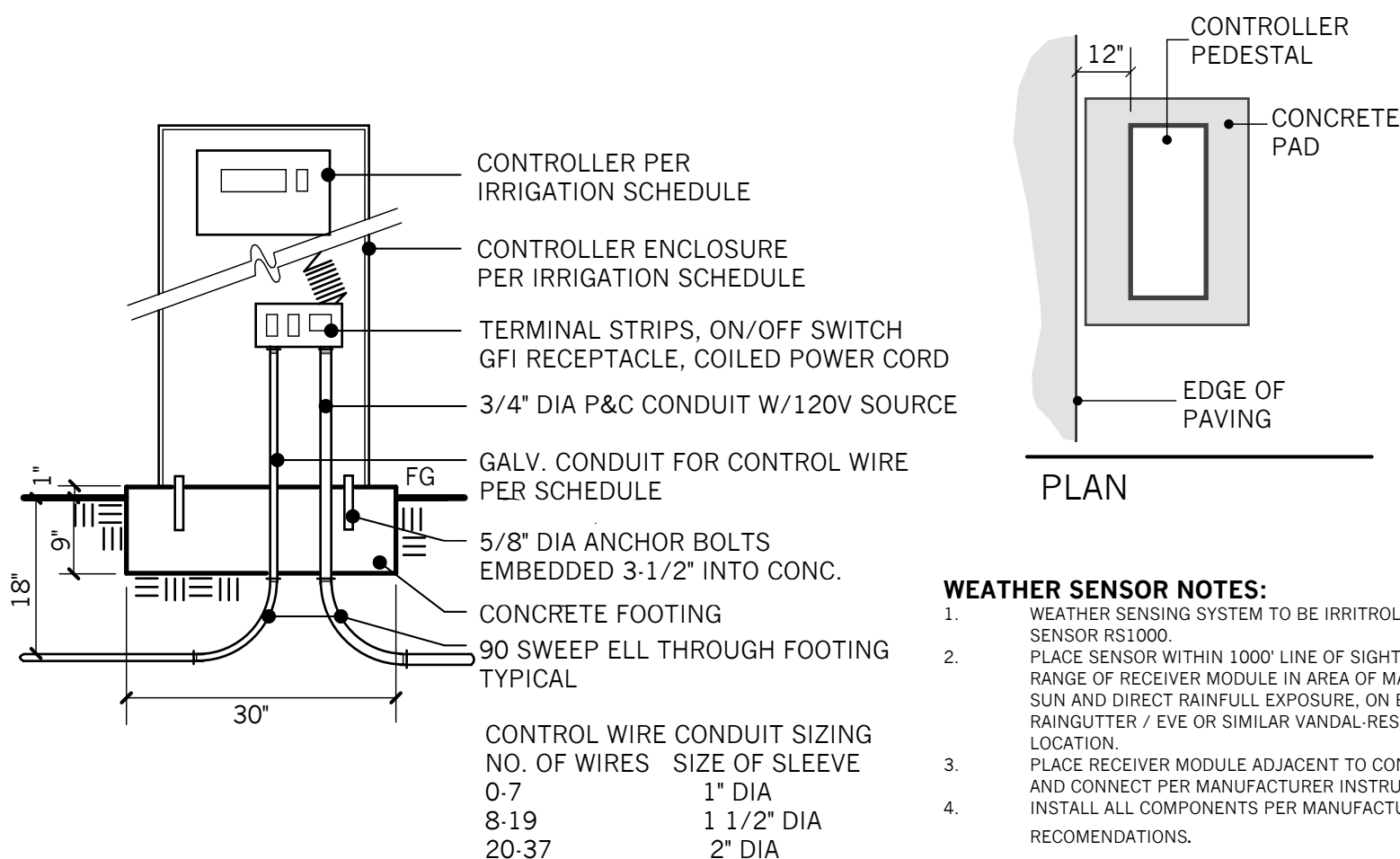
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PROJECT OWNER & TITLE
EASTSIDE UNION SCHOOL DISTRICT
45006 North 30th Street East
Lancaster, CA 93535
EUSD EASTSIDE ACADEMY PLAYGROUND
3126 EAST AVE, LANCASTER, CA 93535

SHEET TITLE
PLANTING PLAN

DRAWN BY: JOB NUMBER: 21916

SHEET NO.
L.2
MAY 28, 2020



AGENCY APPROVAL FILE #42-48

19.6
ARCHITECTS
560 HIGUERA STREET, SUITE C
SAN LUIS OBISPO, CA 93401
TEL (805) 476-0399

CONSULTANTS
CIVIL ENGINEER
ABOVE GRADE ENGINEERING, INC.
245 Higuera Street
San Luis Obispo, CA 93401
TEL (805) 540-5115

LANDSCAPE ARCHITECTS
FIRMA CONSULTANTS INCORPORATED
187 Tank Farm Road Suite 230
San Luis Obispo, CA 93401
TEL (805) 781-9800

firma
landscape architects
David W. Foote PLA #2117
Lindsay A. Corica PLA #6359
187 Tank Farm Road Suite 230
San Luis Obispo CA 93401
805.781.9800 fax 805.781.9803

CONSULTANT STAMP		
REVISIONS		
#	DATE	DESCRIPTION

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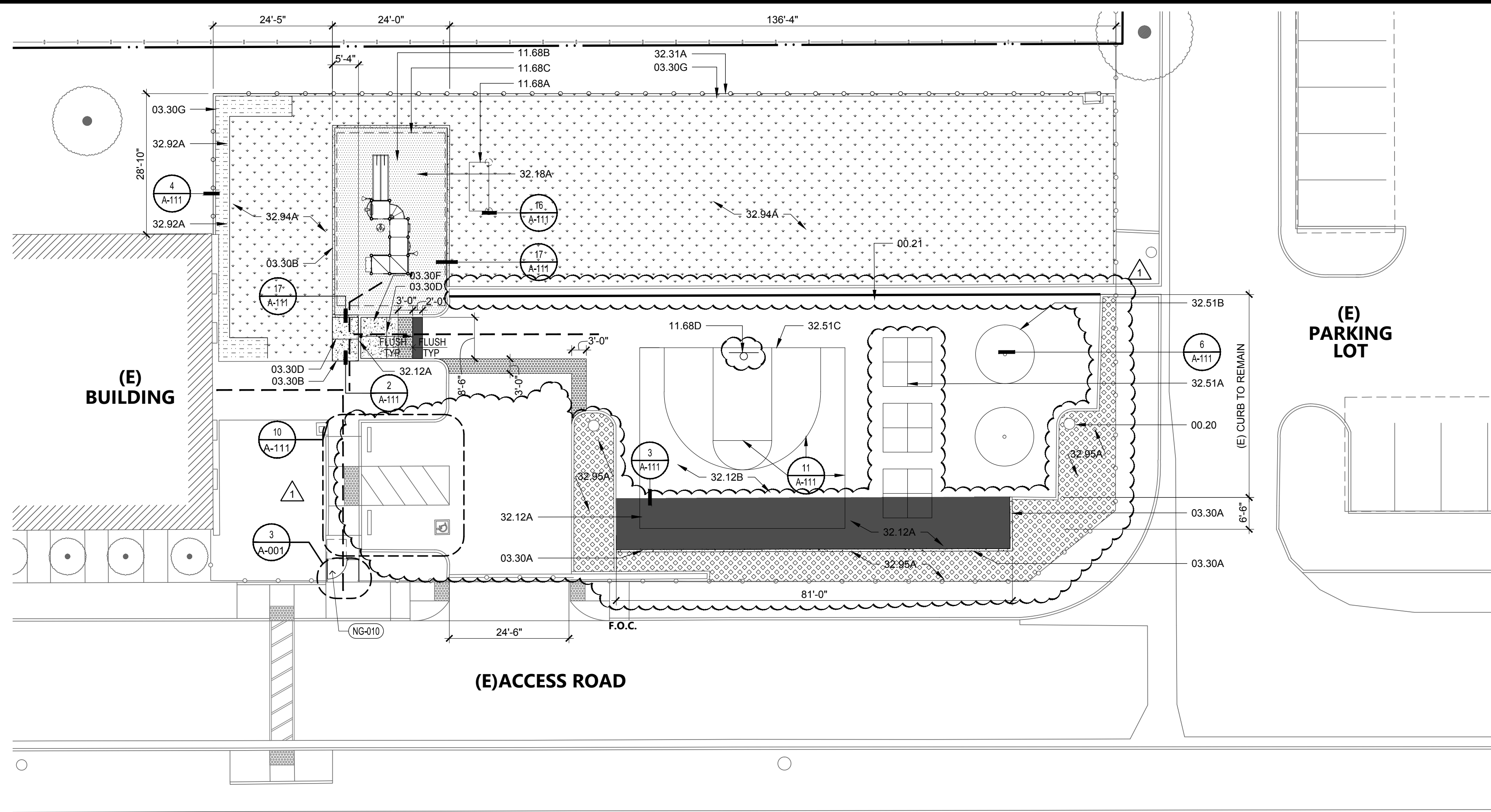
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45006 North 30th Street East
Lancaster, CA 93535
EUSD EASTSIDE ACADEMY PLAYGROUND
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SHEET TITLE
IRRIGATION & PLANTING DETAILS

DRAWN BY: JOB NUMBER: 21916

SHEET NO.
L.3
DATE: March 10, 2020

N.T.S. = NOT TO SCALE

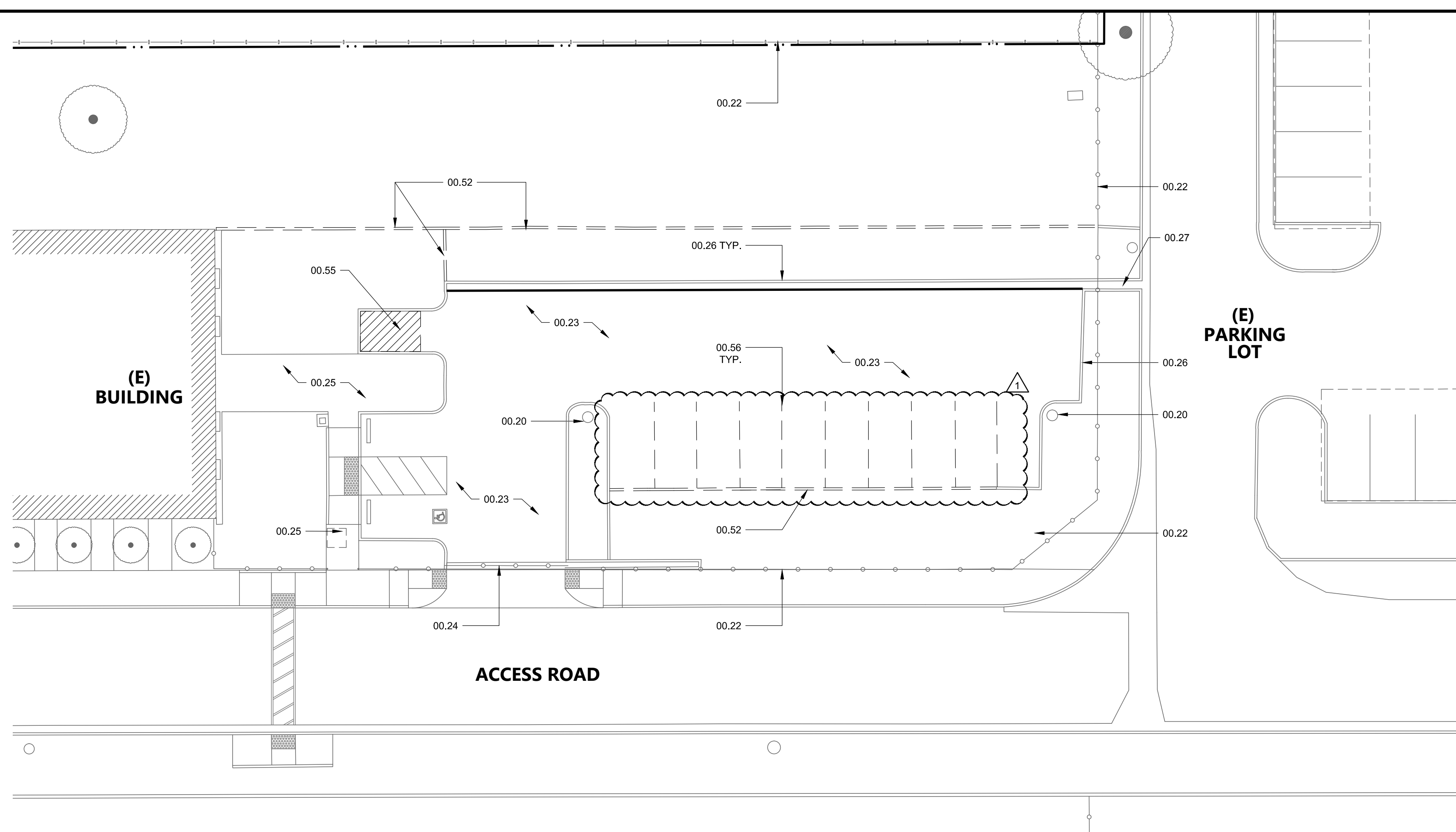


PROPOSED SITE PLAN

SCALE: 1/16" = 1'

1

SITE PLAN LEGEND



DEMO SITE PLAN

SCALE: 1/16" = 1'

2

GENERAL NOTES

1. SEE CIVIL DRAWINGS FOR GRADING PLAN.
2. SEE LANDSCAPE DRAWINGS FOR IRRIGATION PLAN.

XXX GATE SCHEDULE - CONTRACT IV, PHASE II

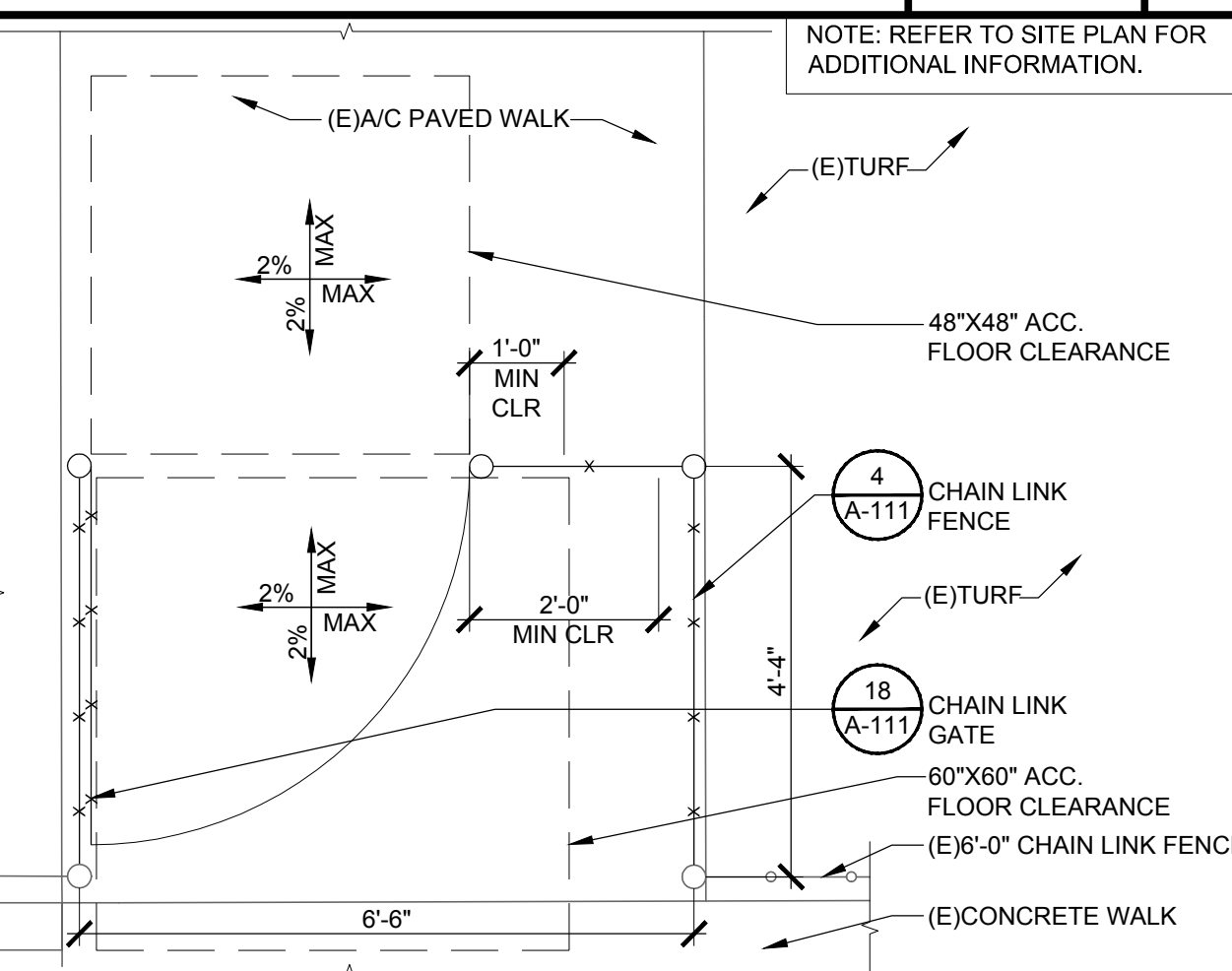
GATE NO.	GATE		FRAME MATL	HARDWARE SET NO.	DETAIL	REMARKS
	SIZE (EACH LEAF)	MATL				
NG-010	4'-0" X 7'-0"	C/L	C/L	01	18/A-111	

HARDWARE GROUP NO 01			
PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:			
1	EA	PANIC HARDWARE	CDSH-PA-41-98-9L-NH 630 VON
1	EA	RM CYLINDER	20-087-CK 626 SCH
1	EA	MORTISE CYLINDER	20-061 ICK X011-94-36-083 626 SCH
2	EA	PRIMUS CORE	20-740 626 SCH
1	EA	WELD IN LOCK BZ	K-BXED-V990N-2. 600 KEE
1	EA	SURFACE CLOSER	4040X-418A SRI SRI 689 LCN
1	EA	PA MOUNTING PLATE	4040X-419 SRI AS REQ'D 689 LCN
1	EA	PA FLUSH TRANSOM BRKT	F81BL 689 LCN
1	EA	FLOOR STOP	
1	SET	NOTE	REMAINDER OF HARDWARE BY GATE MANUFACTURER/SUPPLIER BLK NVE

PATH OF TRAVEL (P.T.) AS INDICATED, IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABOVE-TYPE VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 12 MAXIMUM SLOPE, EXCEPT THAT VERTICAL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 4' WIDE. THE PATH SURFACE SHALL BE SMOOTH, LEVEL, FIRM AND FREE OF TRIPPING SPACES AT LEAST 60°/60" ARE LOCATED NOT MORE THAN 200' APART. PARTS OF P.T.'S WITH CONTINUOUS GRADIENTS HAVE 80° SLOPE AREAS NOT MORE THAN 400' APART. THE CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE SPECIFIED. TRAVEL BE MANEUVERED AROUND ALL OVERHANGING OBSTRUCTIONS TO 80° MINIMUM (11B-304) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80".

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR BUILDINGS ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THE PROJECT, THE DESIGN PROFESSIONAL HAS IDENTIFIED ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE. THE PROJECTS WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS, ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION OF THE PROJECT OR A FEASIBILITY ANALYSIS OF THE CORRECTIVE WORK. UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.



NCE | SCALE: 1/2" = 1'-0"

3

3

KEYNOTES

- | | |
|--------|---|
| 00.20 | (E) LIGHT POLE TO REMAIN |
| 00.21 | (E) EDGE OF AC PAVING TO REMAIN |
| 00.22 | (E) FENCE TO REMAIN |
| 00.23 | (E) ASPHALT PAVING TO REMAIN, PROTECT IN PLACE. |
| 00.24 | (E) ROLLING CHAIN-LINK GATE TO REMAIN |
| 00.25 | (E) CONC. FLATWORK TO REMAIN |
| 00.26 | (E) CONC. CURB TO REMAIN, PROTECT IN PLACE. |
| 00.27 | (E) DRAINAGE SWALE TO REMAIN, PROTECT IN PLACE |
| 00.52 | (E) CONC. CURB TO BE DEMOLISHED |
| 00.54 | (E) GONG-GUTTER-TO-BE-DEMOLISHED |
| 00.55 | (E) ASPHALT TO BE DEMOLISHED TO EXTENTS SHOWN |
| 00.56 | (E) PARKING STRIPPING TO BE DEMOLISHED |
| 00.57 | (E) LIGHT POLE TO BE DEMOLISHED- SALVAGED TO DISTRICT. |
| 01.01 | REMOVE AND PATCH BACK CONCRETE WALKWAY TO MATCH NEW. - SEE DETAIL 2A-111 |
| 03.30A | CAST-IN-PLACE CONC. CURB AND GUTTER: SEE CIVIL DRAWINGS |
| 03.30B | CAST-IN-PLACE CONC. WALKWAY. SEE CIVIL DRAWINGS |
| 03.30C | CONC. CONTROL JOINT @ 5MAX. TYP. SEE DETAIL 1B/A-111 |
| 03.30E | GONG-EXPANSION JOINT AT MID-LENGTH OF WALKWAY AND EVERY 30' MAX.;
SEE DETAIL 1B/A-111 |
| 03.30F | CONC. RAMP DOWN 5% MAX SLOPE, 2% MAX CROSS SLOPE |
| 03.30G | 6" CONC. MOW CURB PER LANDSCAPE, SEE 11/L 2 |
| 11.68A | 4x6' YOUTH SOCCER GOAL-FIXED IN PLACE |
| 11.68B | PLAY STRUCTURE BY PLAYCRAFT SYSTEMS, MODEL # R50688C08, INCLUDING TRANSFER
SYSTEM AND PLATFORM, AND SAFETY SIGN. |
| 11.68C | PLAY STRUCTURE CLEAR FLOOR AREA |
| 11.68D | YOUTH BASKETBALL HOOP REFER TO DETAIL 13/A-111 |
| 32.12A | ASPHALT PAVING |
| 32.12B | (E) ASPHALT W/ NEW HARD COURT STRIPING HARD PLAY COURTS, SEE COURT
PLANS ON A-111 |
| 32.17C | 4" WHITE WHITE STRIPPING |
| 32.18A | POURED RUBBER PLAYGROUND PROTECTIVE SURFACE - PER CBC 11B-1008.2.6 |
| 32.31A | 6" TALL CHAIN LINK FENCE SEE DETAILS A/111 & 5/A-111 |
| 32.33A | 6" LONG SEALED CONCRETE TABLE W/ SEALED CONCRETE BENCHES |
| 32.51A | FOURSQUARE COURT, TYP. |
| 32.51B | TETHERBALL COURT, TYP. - REFER TO DETAIL 8/A-111 |
| 32.51C | BASKETBALL COURT, |
| 32.92A | LANDSCAPED AREA W/ WOOD CHIP MULCH GROUND COVERING, REFER TO LANDSCAPE
DRAWINGS FOR PLANTINGS SCHEDULE L.2 |
| 32.94A | TURF, REFER TO LANDSCAPE DRAWINGS |
| 32.95 | ARTIFICIAL TURF |

AGENCY APPROVAL FILE #42-48



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SAN LUIS OBISPO, CA 93401
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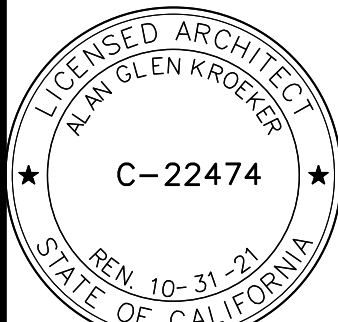
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San Luis Obispo, CA 93401
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ARCHITECT STAMP

CONSULTANT STAFF



REVISIONS:

[illegible]

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SHEET TITLE

DEMO + PROPOSED SITE PLANS

DRAWN BY: SR JOB NUMBER: 18181.02

SHEET NO.

A-001

DATE: MAY 26, 2020

