# THORNTON COMMUNITY PARK SHADE STRUCTURE

THORNTON COMMUNITY PARK SUBDIVISION LOT 1, BLOCK 1 LOCATED IN COMMUNITY PARK, WEST OF THOMAS J. SLOCUM MEMORIAL SKATEPARK, 2211 EPPINGER BLVD, CITY OF THORNTON, COUNTY OF ADAMS, STATE OF COLORADO CIP #20-46D

> **COVER SHEET** FINAL PLANS

## **GENERAL NOTES:**

- CONTRACTOR SHALL VERIFY WITH OWNER'S REPRESENTATIVE THAT PLANS ARE CURRENT AND APPROVED.
- 2. CONTRACTOR IS RESPONSIBLE FOR QUANTITIES AND MATERIAL CALCULATIONS.
- WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF THORNTON. ANY VARIATIONS FROM THE APPROVED LANDSCAPE PLAN NEED TO BE APPROVED BY THE CITY OF THORNTON.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY AND/OR REQUIRED PERMITS AND PAY ALL RELATED FEES AND/OR TAXES REQUIRED TO INSTALL THE WORK ON THE PLANS.
- THE CONTRACTOR SHALL BE APPROPRIATELY LICENSED AS REQUIRED BY THE CITY.
- CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY ERRORS. OMISSIONS OR DISCREPANCIES IN EXISTING CONDITIONS OR WITH THE PLANS PRIOR TO THE BEGINNING OF WORK.
- UNIT PRICES FOR ALL IMPROVEMENTS SHALL BE ESTABLISHED AS A PART OF THE CONTRACT WITH THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK, TO ACCOMMODATE ADDITIONS AND/OR DELETIONS OF MATERIAL AND/OR LABOR.
- 8. DETERMINATION OF "EQUAL" SUBSTITUTIONS SHALL BE MADE ONLY BY THE OWNER
- SITE OBSERVATIONS BY THE CIVIL ENGINEER / LANDSCAPE ARCHITECT / OWNER DURING ANY PHASE OF THIS PROJECT DOES NOT RELIEVE THE CONTRACTOR OF THEIR PRIMARY RESPONSIBILITY TO PERFORM ALL WORK IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND GOVERNING CODES. ANY WORK NOT IN COMPLIANCE MAY BE REJECTED AT ANY TIME.
- 10. AS BUILT DRAWINGS: A SET PDFS AND AUTOCAD DRAWINGS AND A SET OF SPECIFICATIONS SHALL BE KEPT AT ALL TIMES ON WHICH ALLCHANGES OR VARIATIONS IN THE WORK INCLUDING ALL EXISTING UTILITIES ARE TO BE RECORDED. AS BUILT DRAWINGS SHALL BE PROVIDED TO THE CITY OF THORNTON BEFORE INITIAL ACCEPTANCE OF THE CONSTRUCTION BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS INCLUDES THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO
- 12. CONTRACTOR SHALL ARRANGE ALL SITE ACCESS, SECURITY, STAGING, SAFE AND EROSION CONTROLS WITH THORNTON PRIOR TO STARTING PROJECT.
- 13. ALL CLASSIFICATION TESTING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT TESTING LABORATORY UNDER THE SUPERVISION OF A REGISTERED PE SPECIALIZING IN SOILS ENGINEERING AT THE EXPENSE OF THE RESPONSIBLE PARTY. SHALL COORDINATE WITH AND FULLY COMPLY WITH ALL RECOMMENDATIONS MADE BY THE TESTING AGENCY.
- 14. FOR ALL CONCRETE WORK: CONCRETE SHALL HAVE FIBAR MESH REINFORCEMENT, SHALL BE 4500 PSI AFTER 28 DAYS OF CURING, AND ALL JOINTS SHALL BE SAW CUT. CONTRACTOR MUST BE PREPARED TO SHOW RESULTS OF CONCRETE TESTING UPON REQUEST, PER CITY OF THORNTON STANDARD 609.4.
- 15. SUBSTANTIAL COMPLETION WILL BE ISSUED AT THE COMPLETION OF ALL CONSTRUCTION OPERATIONS UNDER THIS CONTRACT, AND PROJECT IS OPEN TO THE PUBLIC. PRIOR TO THE BEGINNING OF THE POST-CONSTRUCTION WARRANTY PERIOD, AN INSPECTION WILL BE PERFORMED (OR INITIAL ACCEPTANCE WALK-THROUGH). THE CITY WILL, UPON 7 DAYS ADVANCE NOTICE, MAKE INSPECTION OF THE WORK TO DETERMINE ACCEPTABILITY. THE CITY WILL PREPARE A "PUNCH LIST" OF ITEMS IMPROPERLY INSTALLED, INADEQUATELY SIZED OR OTHERWISE DEFICIENT. THE "PUNCH LIST" DEFICIENCIES SHALL BE CORRECTED NOT MORE THAN 21 CALENDAR DAYS AFTER
- 16. PRIOR TO THE DATE OF THE WALK-THROUGH AND AS A CONDITION OF RECEIVING INITIAL ACCEPTANCE, THE CONTRACTOR SHALL CONVEY TO THE CITY THE JOB RECORD SET OF ALL CHANGES MADE TO ALL PLANS DURING THE CONSTRUCTION PERIOD, LABELING SAID PRINTS "AS-BUILT". ALL TURNOVER ITEMS NOTED IN OTHER SPECIFICATION SECTIONS SHALL BE DELIVERED PRIOR TO THIS INSPECTION.
- 17. WORK REQUIRING CORRECTIVE ACTION SHALL BE PERFORMED WITHIN THE FIRST 21 DAYS AFTER THE INITIAL ACCEPTANCE INSPECTION. IF CORRECTIVE WORK IS NOT COMPLETED WITHIN THE TIMEFRAME STATED IN THE GENERAL CONDITIONS OR 21 DAYS WHICHEVER IS THE LEAST, THEN ANOTHER WALK-THROUGH WILL BE REQUIRED AND A NEW "PUNCH LIST" OF DEFICIENCIES, AS WELL AS AN EQUIVALENT EXTENSION OF THE GUARANTEE PERIOD, WILL BE REQUIRED AT NO ADDITIONAL COST TO THE CITY.
- 3. THE IMPROVEMENTS WILL BE INITIALLY ACCEPTED BY THE CITY WHEN ALL IMPROVEMENTS AND PUNCH LIST ITEMS ARE SATISFACTORILY COMPLETED IN ACCORDANCE WITH THE TERMS OF THE APPROVED CONSTRUCTION DRAWINGS, AND APPLICABLE CITY STANDARDS AND SPECIFICATIONS. IF, AFTER THE INSPECTION, THE CITY IS OF THE OPINION THAT ALL WORK HAS BEEN PERFORMED AS PER THE CONTRACT DOCUMENTS, THE CITY WILL GIVE THE CONTRACTOR WRITTEN NOTICE OF INITIAL ACCEPTANCE SIGNIFYING COMMENCEMENT OF THE ONE-YEAR **GUARANTEE PERIOD.**



**VICINITY MAP** NOT TO SCALE

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5	HD-03	HARDSCAPE DETAILS
6	DP-01	DEMOLITION PLAN
7	GP-01	GRADING PLAN
8	EC-01	EROSION CONTROL PLAN
9	EC-02	EROSION CONTROL DETAILS

#### **OWNER:**

THE CITY OF THORNTON

#### LANDSCAPE ARCHITECT

RICK ENGINEERING COMPANY 5690 WEBSTER STREET ARVADA, CO 80002

Phone: (303)-403-2430 CONTACT: KIM NELSON

#### CIVIL ENGINEER:

RICK ENGINEERING COMPANY 5690 WEBSTER STREET ARVADA, CO 80002

CONTACT: PATRÍCK HERN

### **SURVEYOR:**

RICK ENGINEERING COMPANY 5690 WEBSTER STREET ARVADA, C0 80002

PHONE: (303) 403-2406 CONTACT: MARK WILSON

#### WORK TO BE DONE:

THE SCOPE OF WORK ASSOCIATED WITH THESE PLANS CONSISTS OF PUBLIC IMPROVEMENTS FOR THE THORNTON COMMUNITY PARK PLAYGROUND REDEVELOPMENT NEAR THE SKATE PARK AND COMMUNITY CENTER. THIS PROJECT CONSISTS OF DEMOLITION OF AN EXISTING PLAYGROUND. AND INSTALLATION OF A SHADE SHELTER, SEAT WALL, AND LANDSCAPE BOULDERS. LANDSCAPE AND PARK IMPROVEMENTS IN ACCORDANCE WITH THE FOLLOWING PLANS, SPECIFICATIONS AND STANDARD DRAWINGS OF THE CITY OF THORNTON, COUNTY OF ADAMS, COLORADO.

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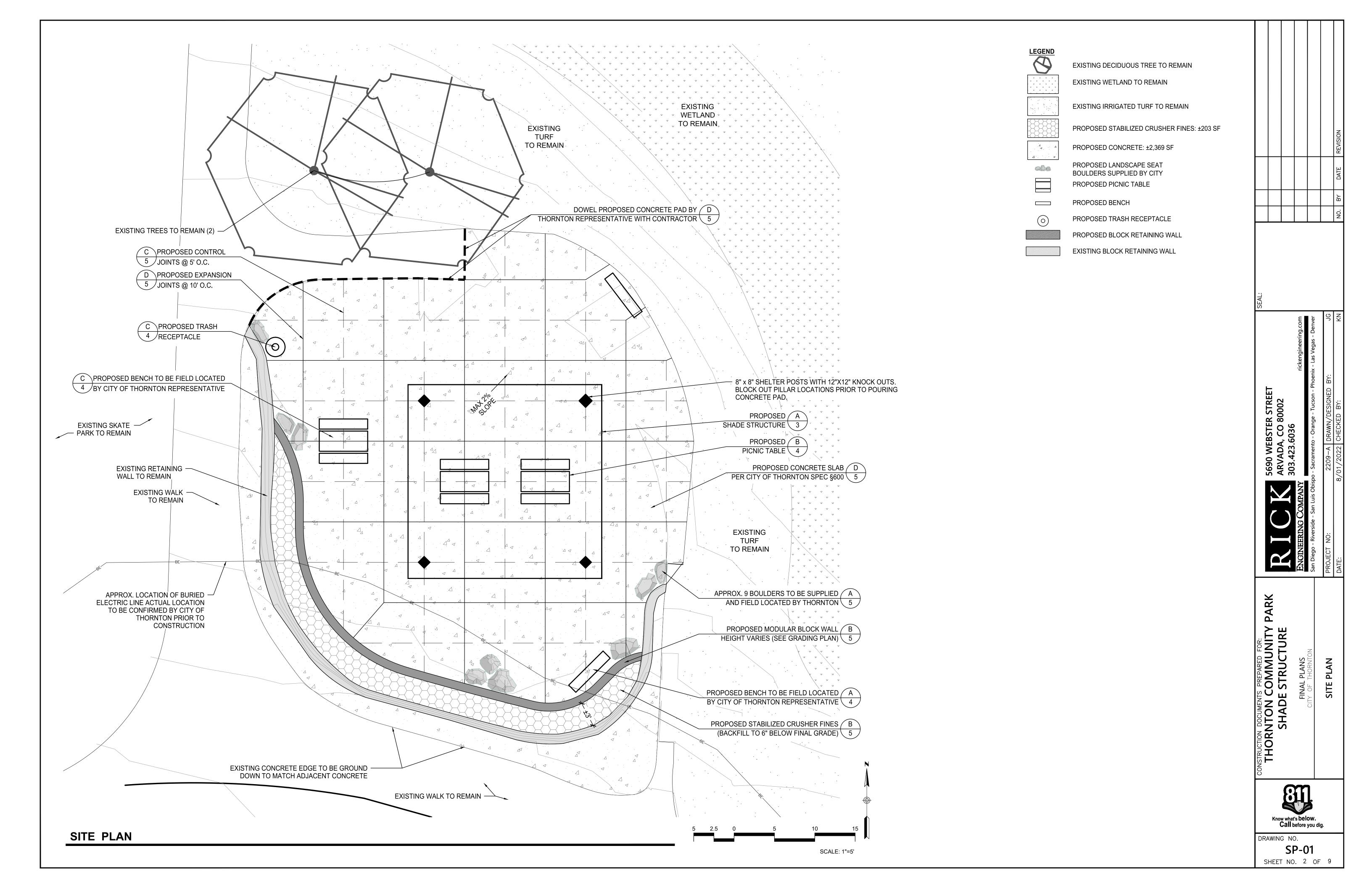
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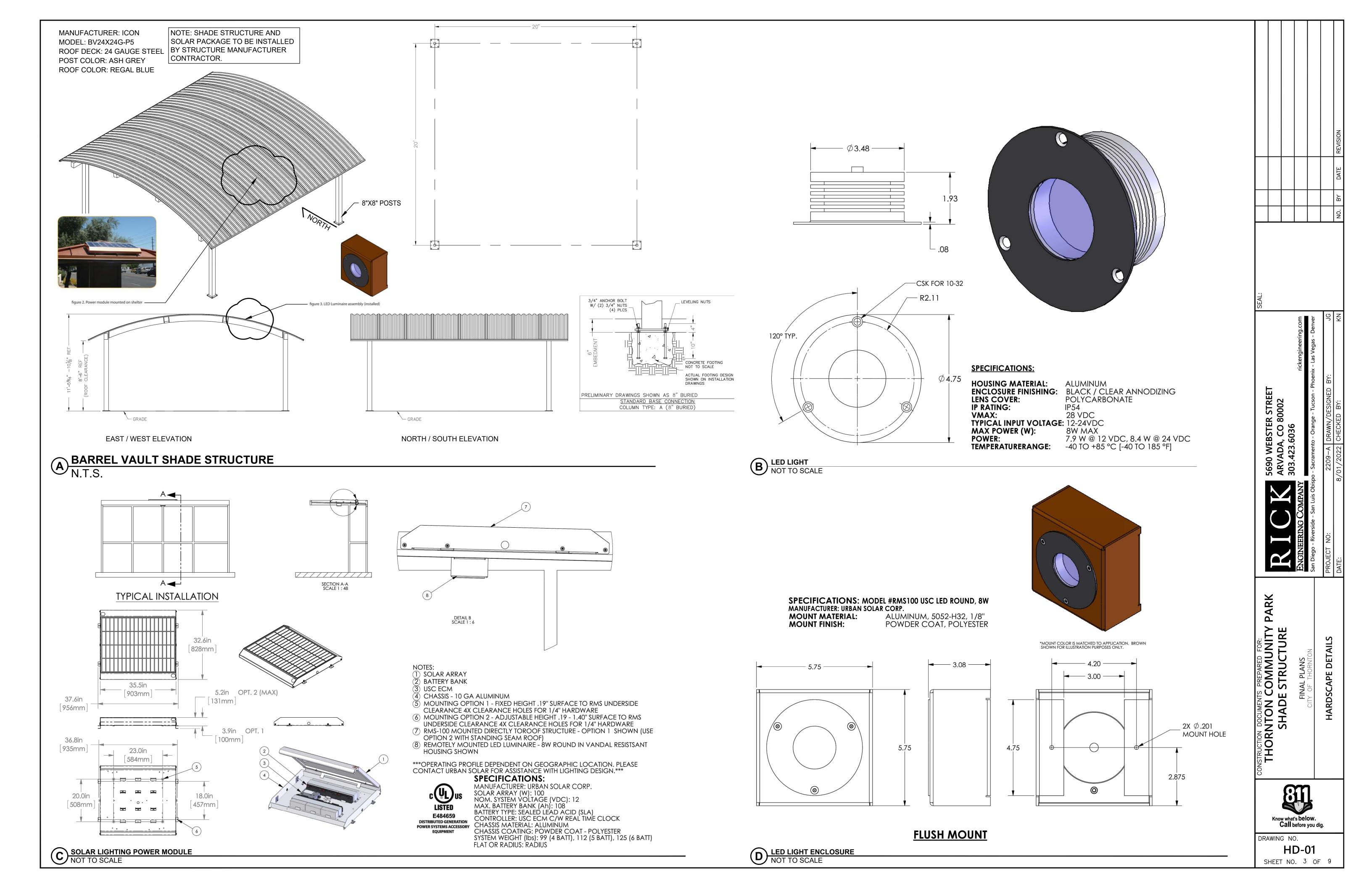
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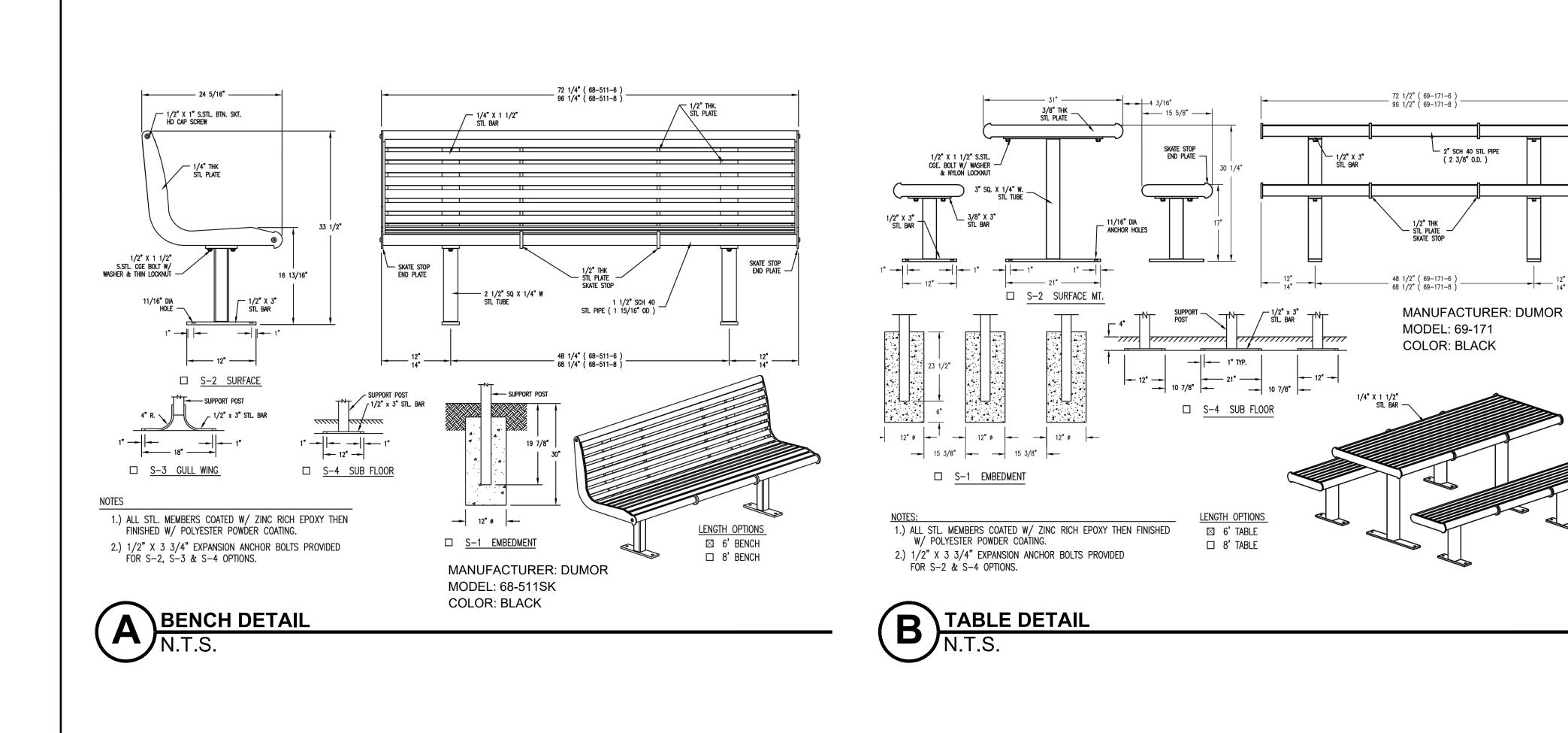
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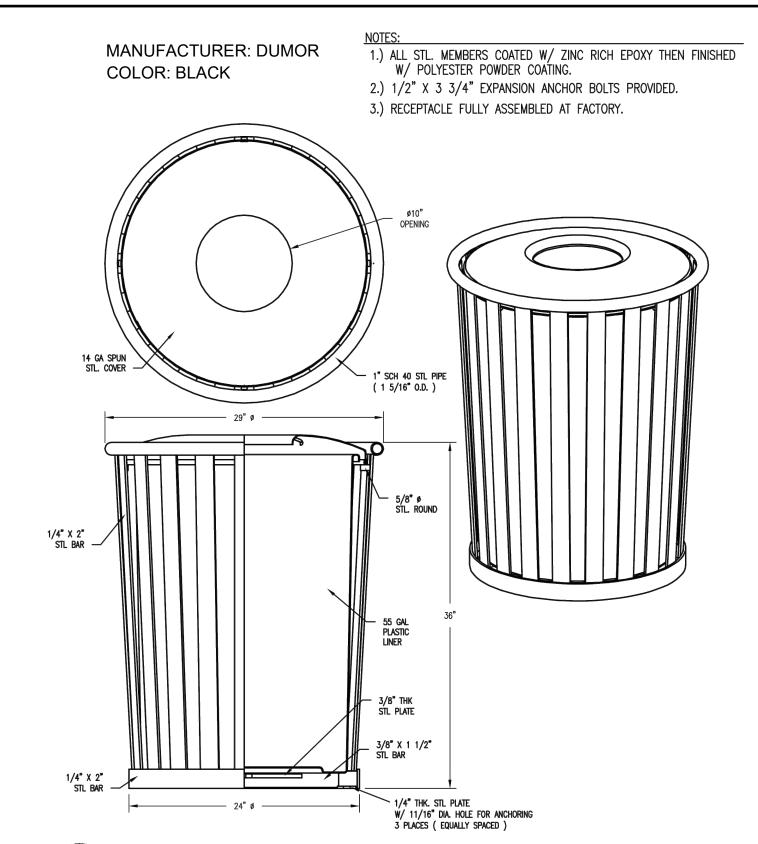
PROJECT MANAGER

PARKS PROJECTS & PLANNING MANAGER DATE

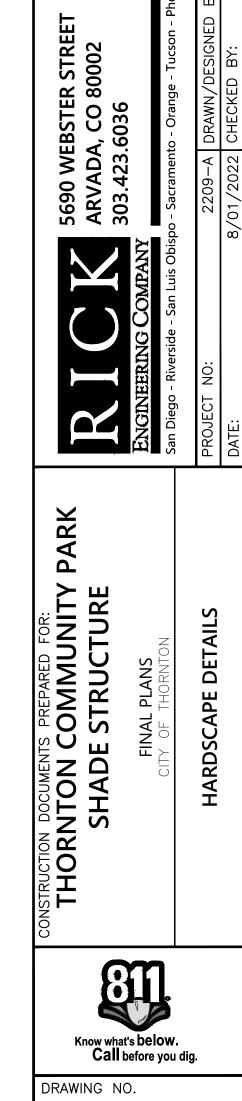






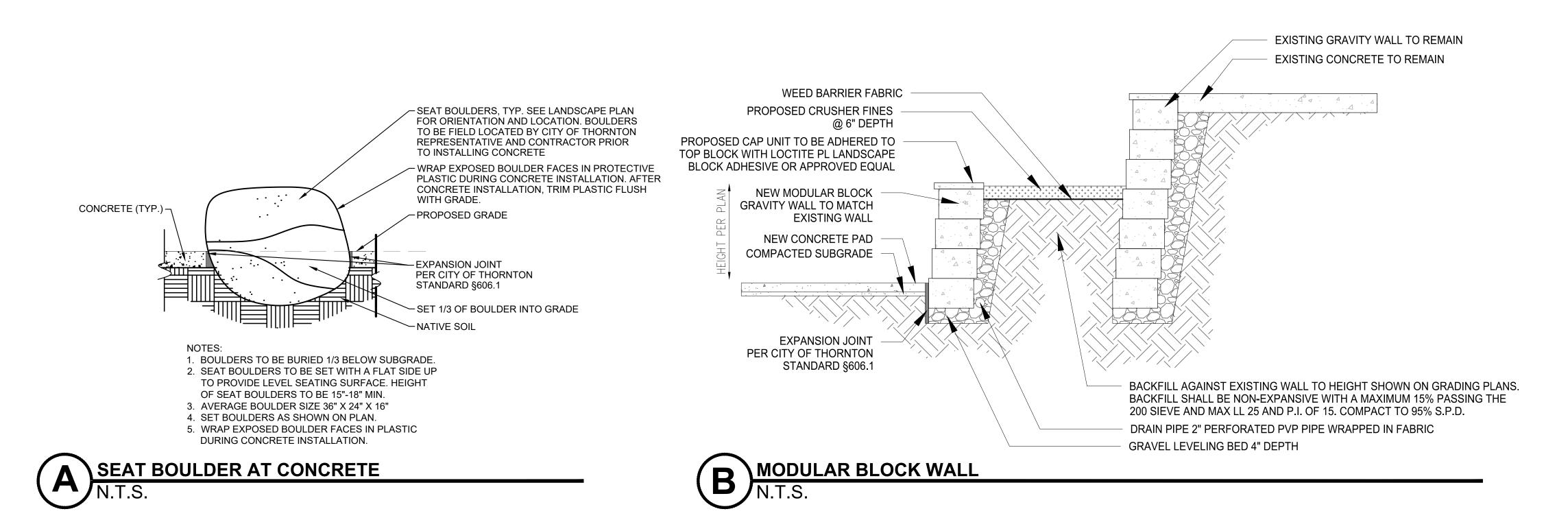


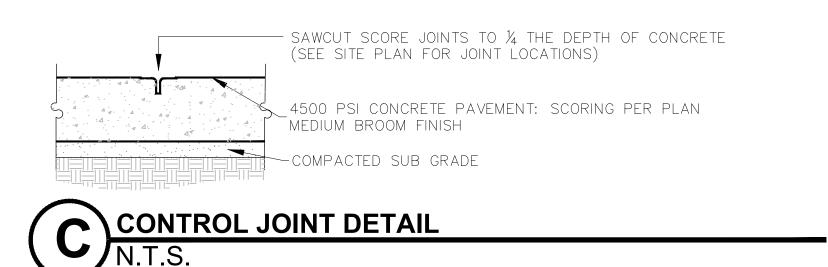
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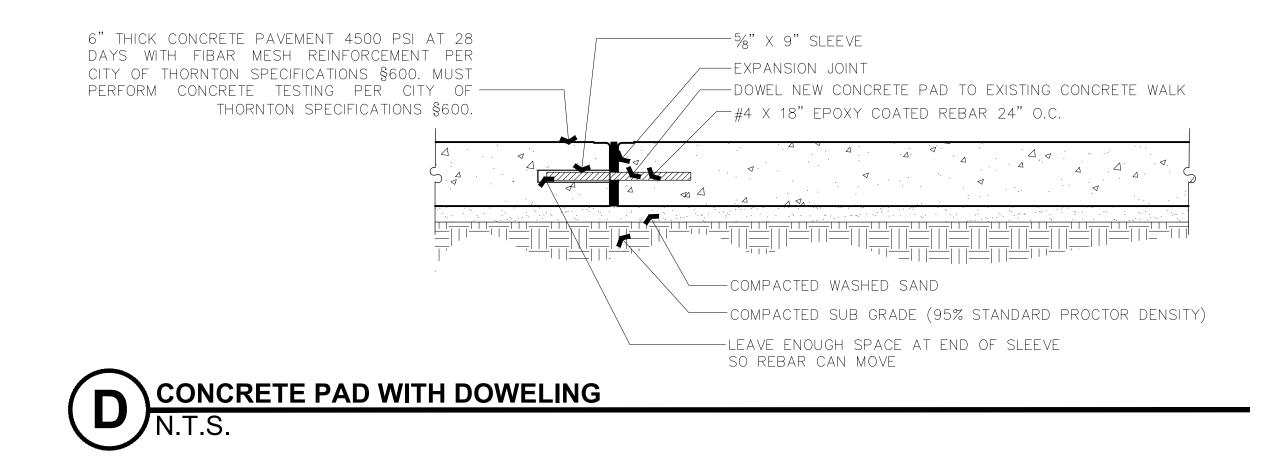


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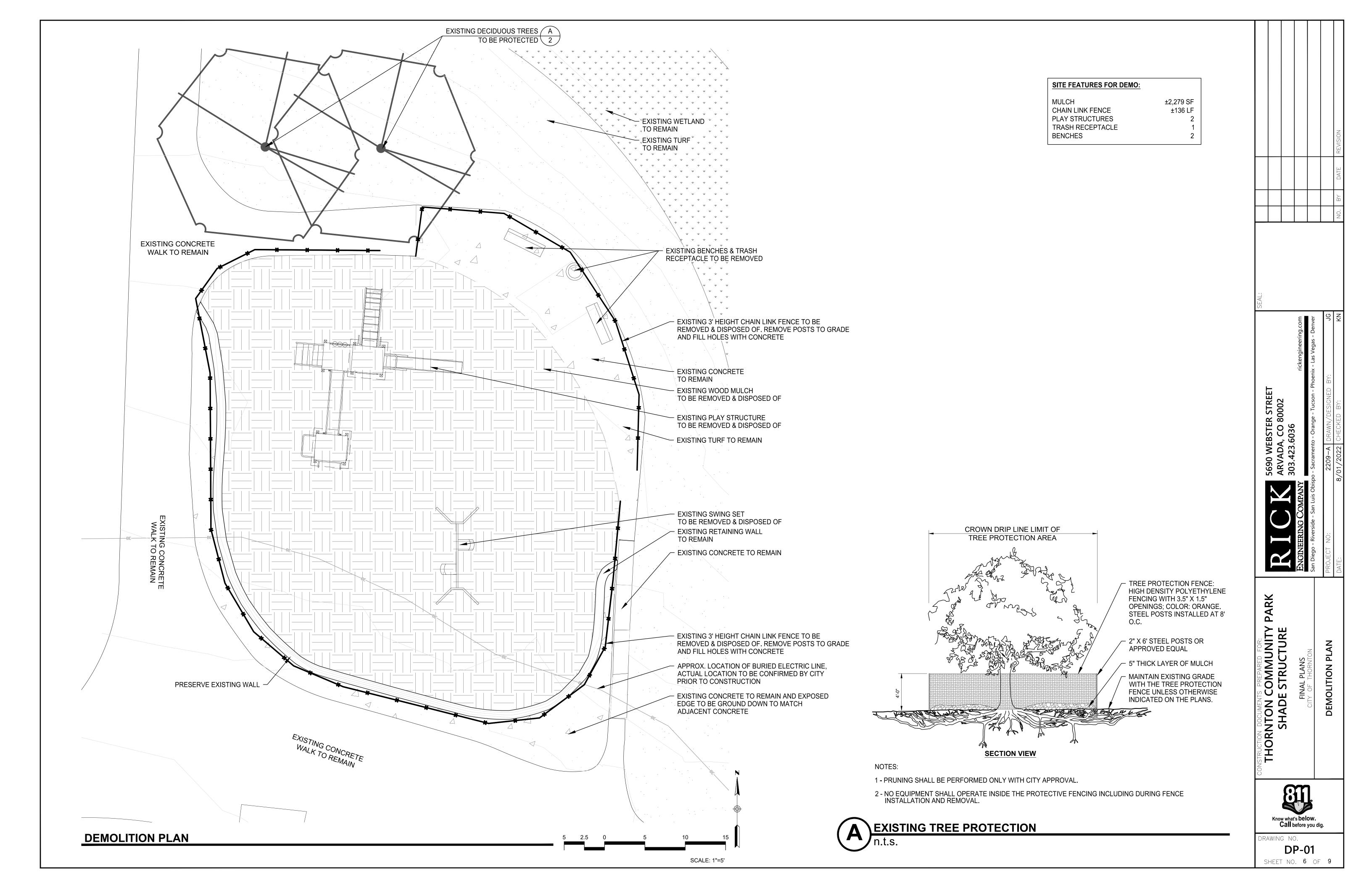
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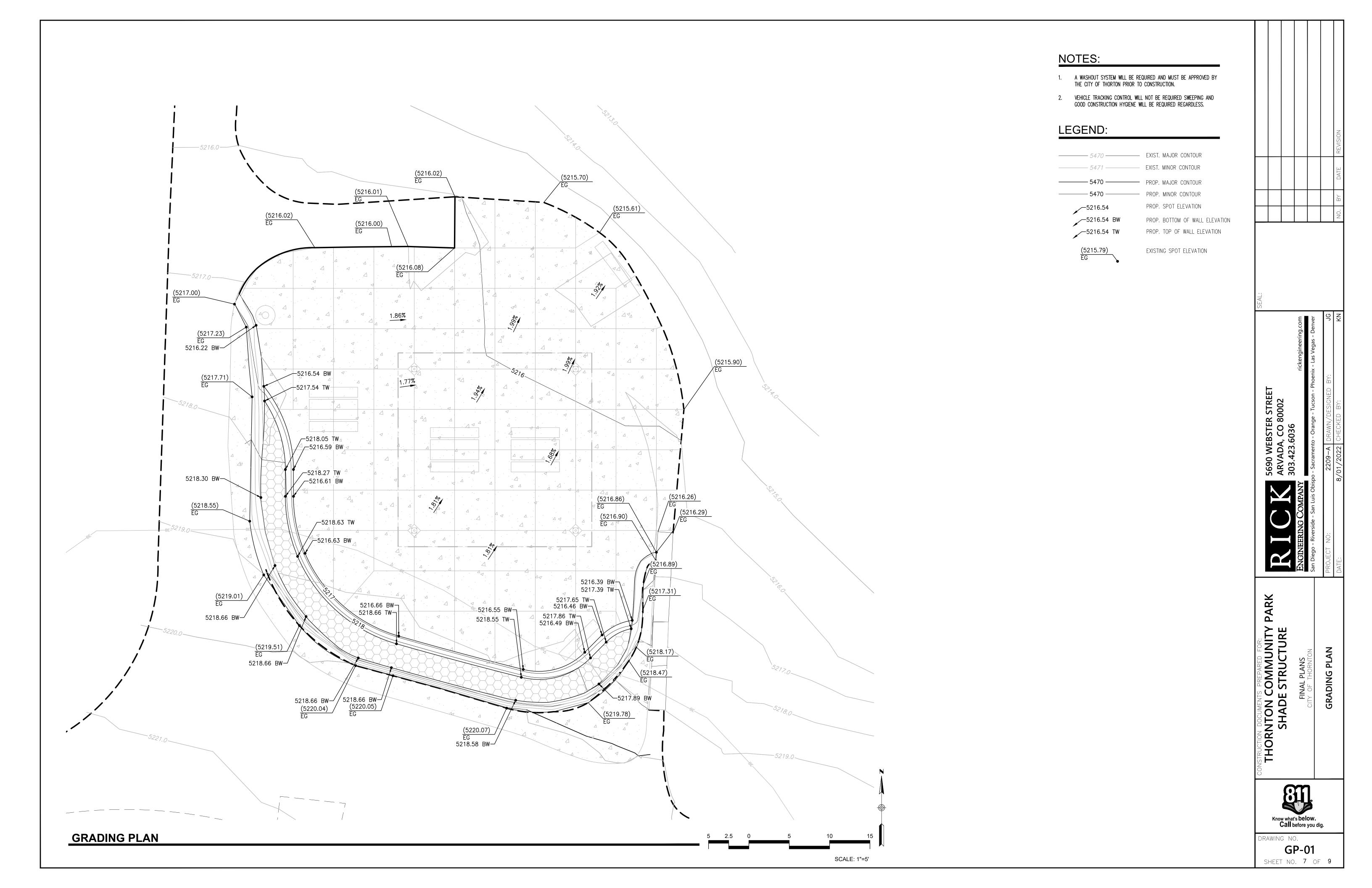
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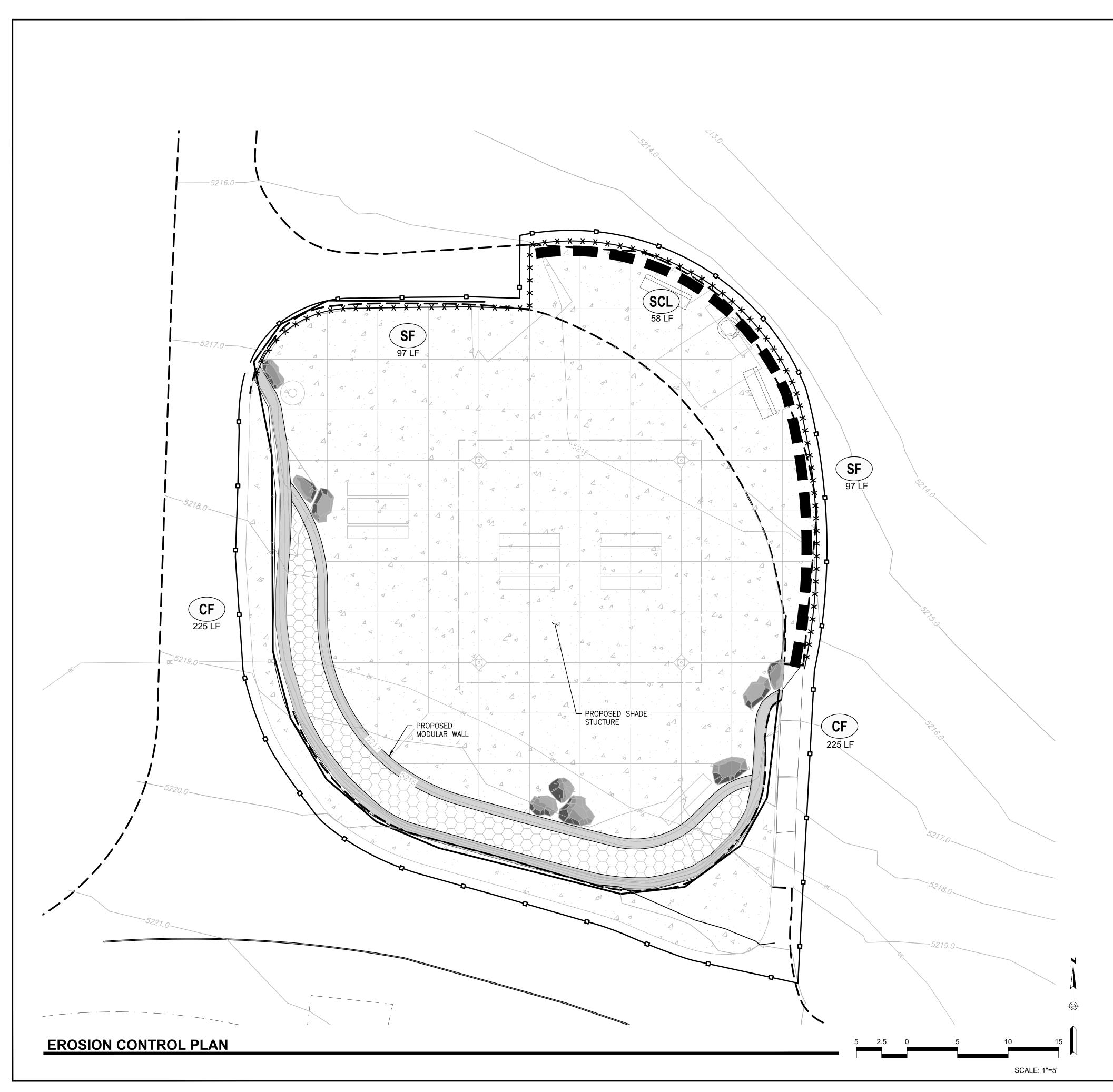
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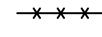




# LEGEND:

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— (CF) CONSTRUCTION FENCE



SF) SILT FENCE

SCL SEDIMENT CONTROL LOG

1. SEE EROSION CONTROL DETAIL SHEET 5 FOR ADDITIONAL INFORMATION

# NOTES:

- 1. CONTROL MEASURES SHALL BE INSTALLED BEFORE ANY EARTH DISTURBING ACTIVITIES COMMENCE.
- 2. THE OWNER/CONTRACTOR SHALL NOTIFY THE THORNTON INSPECTOR ONCE ALL INITIAL CONTROL MEASURES HAVE BEEN INSTALLED FOR AN INITIAL INSPECTION AT LEAST FORTY EIGHT (48) HOURS PRIOR TO THE INSPECTION. CONSTRUCTION ACTIVITY CANNOT BEGIN UNTIL A PASSING INITIAL INSPECTION HAS OCCURRED.
- 3. STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES SHALL NOT CAUSE, HAVE THE REASONABLE POTENTIAL TO CAUSE, OR MEASURABLY CONTRIBUTE TO EXCEED ANY WATER QUALITY STANDARD.
- 4. SEDIMENT CAUSED BY ACCELERATED SOIL EROSION SHALL BE REMOVED FROM RUNOFF WATER BEFORE IT LEAVES THE CONSTRUCTION
- 5. THE OWNER/CONTRACTOR SHALL INSPECT THE CONSTRUCTION SITE (INCLUDING ALL CONTROL MEASURES, STORAGE CONTAINERS, AND CONSTRUCTION EQUIPMENT) AT A MINIMUM OF EVERY 7 CALENDAR DAYS OR EVERY 14 CALENDAR DAYS. IF ON THE 14 DAY FREQUENCY A 24—HOUR POST STORM INSPECTION MUST BE CONDUCTED AFTER A PRECIPITATION EVENT OR SNOW MELT. INSPECTIONS SHALL CONTINUE UNTIL AN INACTIVATION NOTICE IS FILED WITH CDPHE.
- 6. THE OWNER/CONTRACTOR SHALL KEEP A RECORD OF ALL INSPECTIONS ON SITE AND AVAILABLE FOR REVIEW BY COPHE OR CITY STAFF.
  INSPECTION REPORTS MUST IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE PERMIT.
- 7. CONTROL MEASURES REQUIRING MAINTENANCE OR ADJUSTMENT SHALL BE REPAIRED IMMEDIATELY AFTER OBSERVATION OF THE FAILING CONTROL MEASURE.
- 8. SILT FENCE PATCHING: PATCHING IS ONLY ALLOWED ON THE TOP HALF OF THE FENCE. NOT MORE THAN TWO (2) PATCHES PER SECTION OF FENCE. SILT FENCE WITH HOLES OR DETERIORATION ON THE LOWER HALF OF THE FENCE MUST BE REPLACED. REPAIR TYPICALLY INVOLVES REPLACING THE SILT FENCE TO MAINTAIN THE CMS EFFECTIVENESS TO DRAIN SLOWLY AND FUNCTION AS ORIGINALLY DESIGNED.
- 9. FOR ALL INSTANCES OF NONCOMPLIANCE BASED ON ENVIRONMENTAL HAZARDS AND CHEMICAL SPILLS AND RELEASES, ALL NEEDED INFORMATION MUST BE PROVIDED ORALLY TO CDPHE SPILL REPORTING LINE (24-HOUR NUMBER FOR ENVIRONMENTAL HAZARDS AND CHEMICAL SPILLS AND RELEASES: 1-877-518-5608) WITHIN 24-HOURS FROM THE TIME THE OWNER/CONTRACTOR BECOMES AWARE OF THE CIRCUMSTANCES.
- 10. STRAW BALES SHALL NOT BE USED FOR PRIMARY EROSION OR SEDIMENT CONTROL (I.E. STRAW BALES MAY BE USED FOR REINFORCEMENT BEHIND ANOTHER BMP SUCH AS SILT FENCE).
- 11. CONTROL MEASURES INTENDED FOR SHEET FLOW SEDIMENT RUNOFF SHALL BE PLACED PARALLEL TO THE SLOPE.
- 12. ALL CONTROL MEASURES SHALL BE CLEANED WHEN SEDIMENT LEVELS ACCUMULATE TO HALF THE DESIGN OF THE CM UNLESS OTHERWISE SPECIFIED.
- 13. ALL SEDIMENT COLLECTED IN CONTROL MEASURES SHALL BE REMOVED UPON INITIAL ACCEPTANCE.
- 14. WIND EROSION AND DUST CONTROL MEASURES MUST BE UTILIZED TO MINIMIZE AIRBORNE PARTICULATE DUST. CONTROL MEASURES MAY INCLUDE MINIMIZING DISTURBED AREAS, WATERING, AND/OR PROVIDING TEMPORARY STABILIZATION.
- 15. PERMANENT EROSION CONTROL MEASURES FOR SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR THE FINAL EARTH DISTURBANCE HAS BEEN COMPLETED. WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER AN EARTH DISTURBANCE HAS BEEN COMPLETED OR WHERE SIGNIFICANT EARTH DISTURBANCE ACTIVITY CEASES, TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED WITHIN 14 CALENDAR DAYS. TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION MEASURES ARE IMPLEMENTED.
- 16. FINAL STABILIZATION HAS BEEN ACHIEVED WHEN ALL EARTH DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND UNIFORM VEGETATIVE COVER HAS BEEN ESTABLISHED WITH AN INDIVIDUAL PLANT DENSITY OF AT LEAST 70 PERCENT OF PRE-DISTURBANCE LEVELS, OR EQUIVALENT PERMANENT, PHYSICAL EROSION REDUCTION METHODS HAVE BEEN EMPLOYED.
- 17. ALL TEMPORARY CONTROL MEASURES SHALL BE REMOVED FROM THE SITE UPON SUBMITTING THE INACTIVATION NOTICE.
- 18. ALL SITE WASTES (INCLUDING TRASH AND BUILDING MATERIALS) MUST BE PROPERLY MANAGED TO PREVENT POTENTIAL POLLUTION DISCHARGES TO THE MS4 OR STATE WATERS.
- 19. A WASHOUT SYSTEM WILL BE REQUIRED AND MUST BE APPROVED BY THE CITY OF THORTON PRIOR TO CONSTRUCTION.
- 20. VEHICLE TRACKING CONTROL WILL NOT BE REQUIRED SWEEPING AND GOOD CONSTRUCTION HYGIENE WILL BE REQUIRED REGARDLESS.

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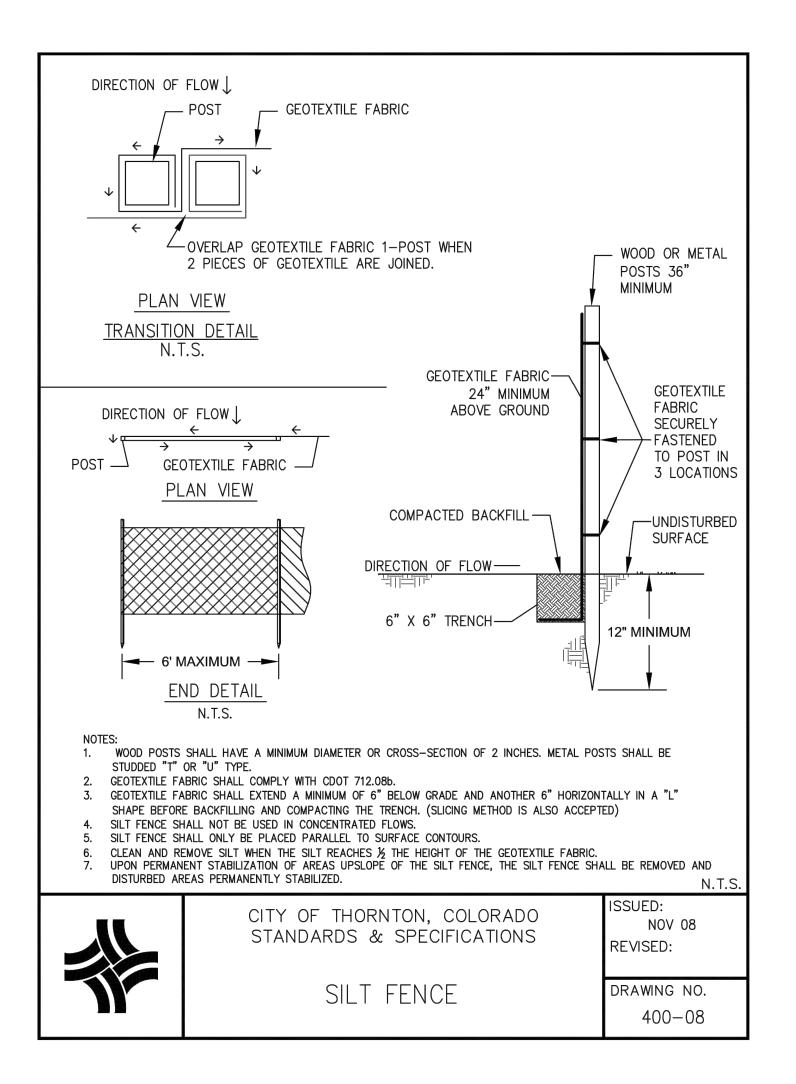
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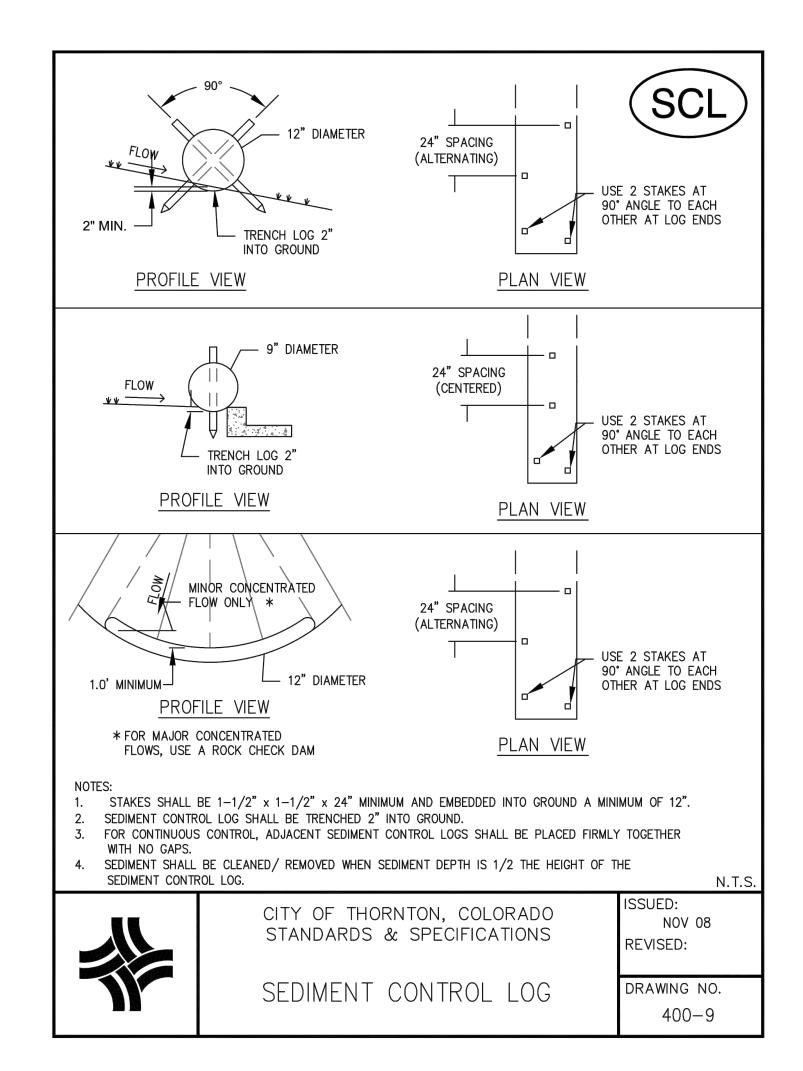
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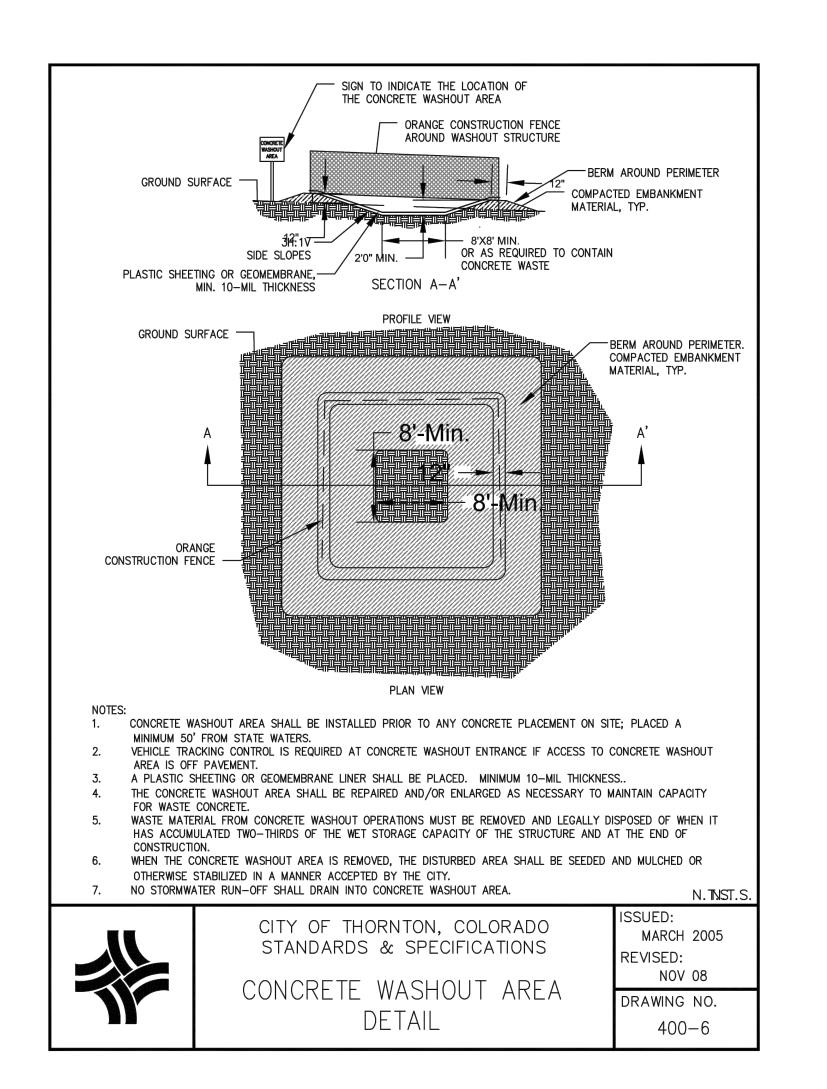
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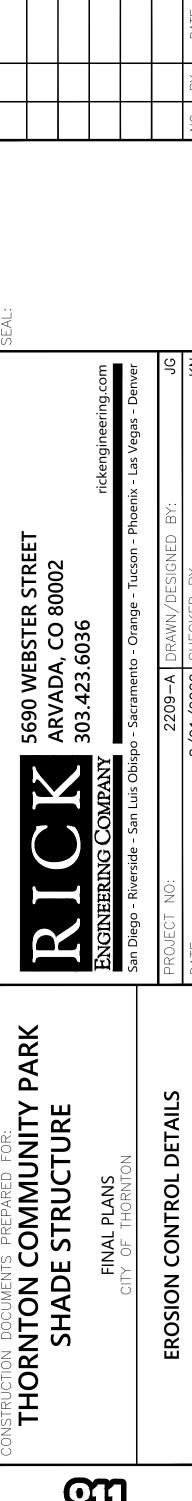














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