

**City of Oakley**  
**ADDENDUM NO. 2 to contract documents for**  
**ATHLETIC FIELD AT NUNN-WILSON PARK, CIP # 206**

**BID OPENING DATE: June 13, 2019 2:00 PM**

Notice is hereby given that the following clarifications and revisions are made to the above referenced contract documents:

**Updates to the Plans and Specifications:**

SPECIFICATIONS

Part III, Section 10-1.16 Landscape

- o Updated page 27 & 28, revised Materials – Soil Amendments Part A
- o Updated page 29, removed Materials – Soil Amendments Part G & H
- o Updated page 29 & 30, revised Material – Sod specifications

PLANS

- o Updated sheet C5.0 to include detail callout for the detention basin and area; added note number 6 for the concrete pad rebar size and spacing
- o Updated Sheet C6.0 to include Detention Basin detail

All bidders shall acknowledge receipt and acceptance of Addendum No. 2 by signing in the space provided at the end of this Addendum and submitting the signed addendum with their proposal.



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Billilee Saengchalern  
Associate Engineer  
June 10, 2019

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Contractor Signature

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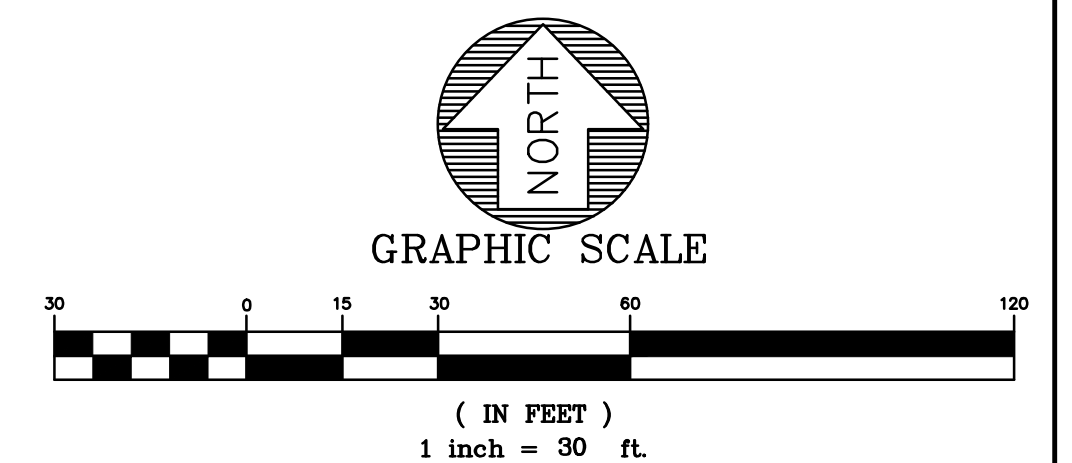
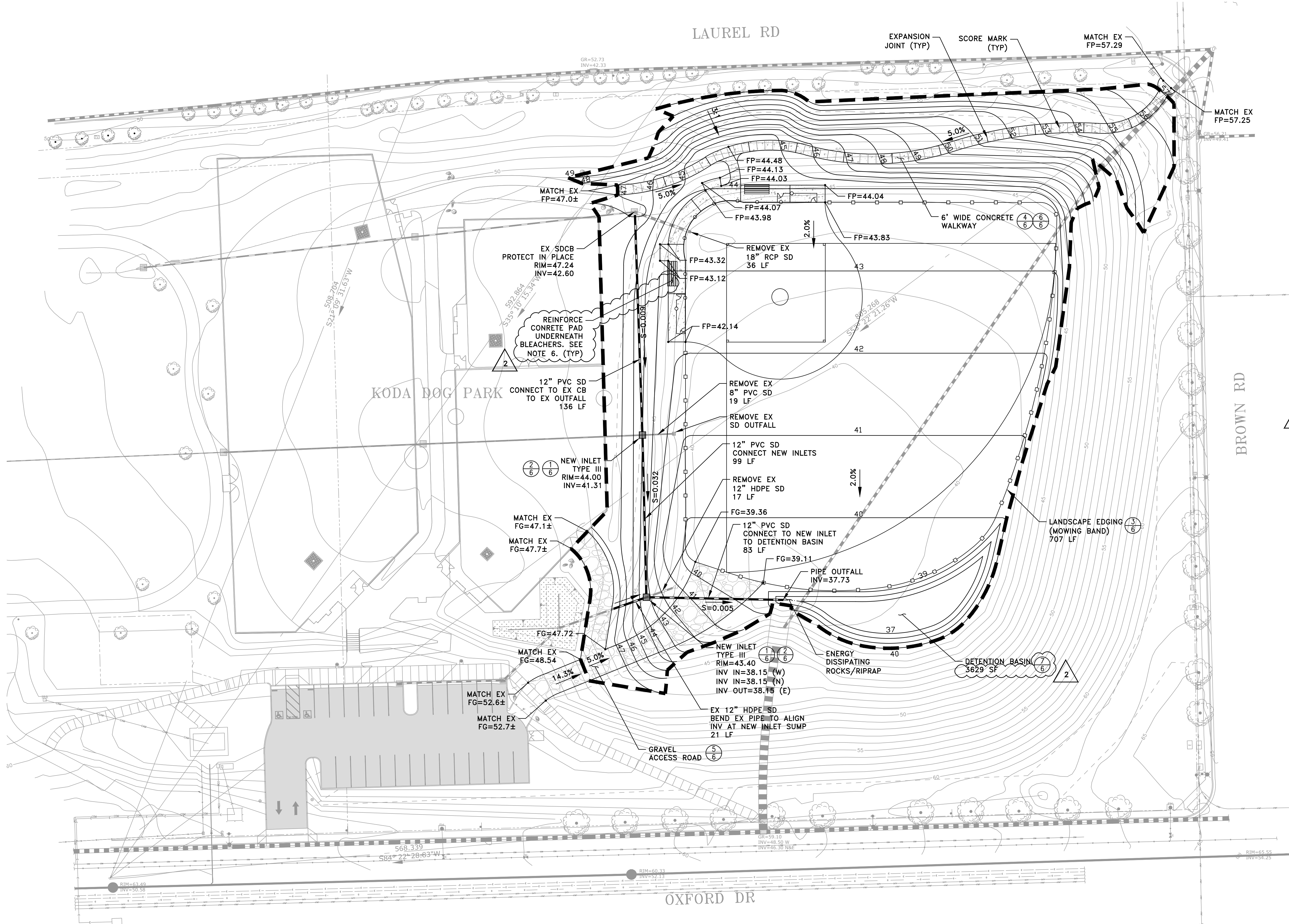
Date

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Company Name

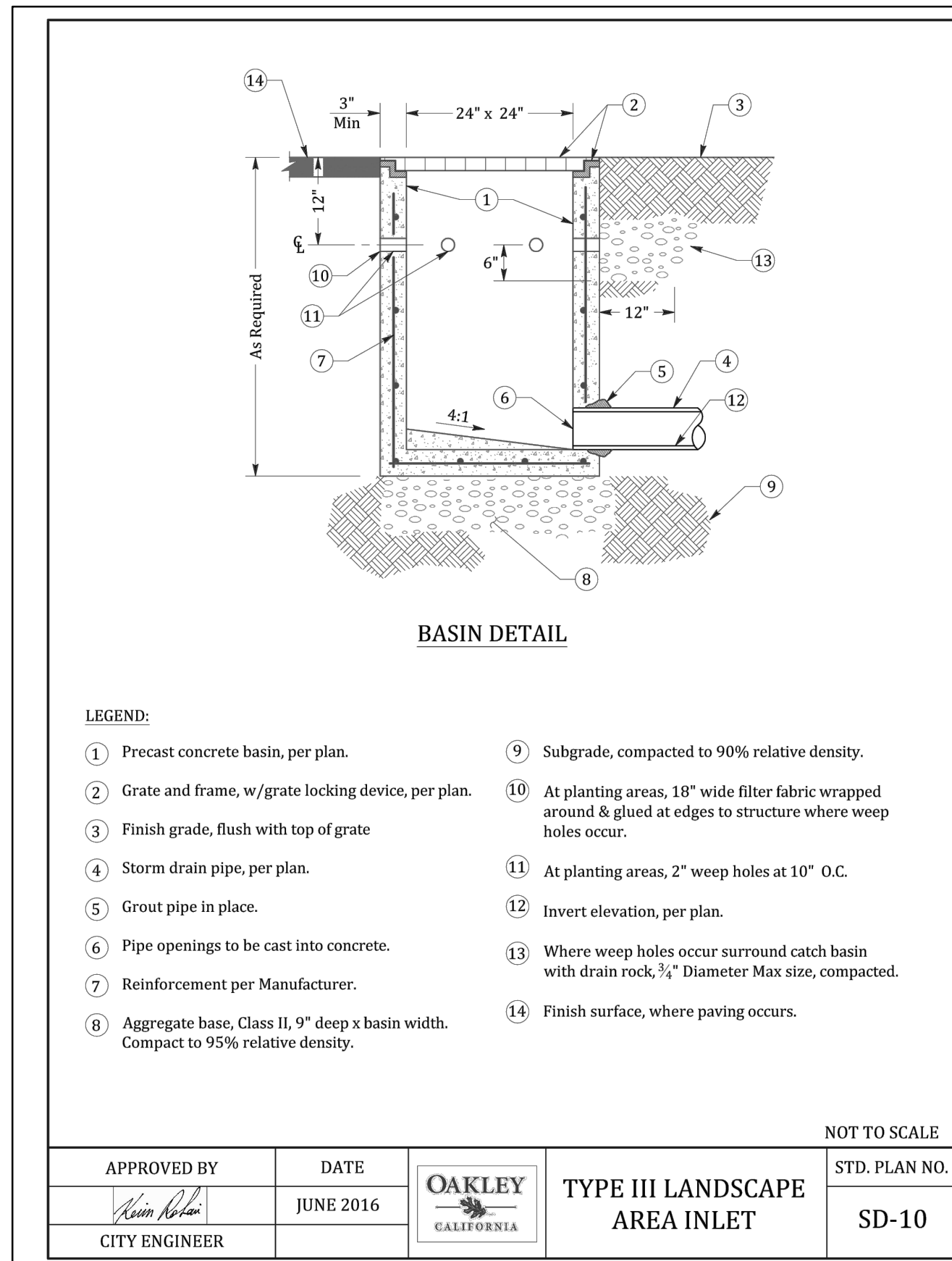
LEGEND	
	CONCRETE
	GRAVEL ROAD
	50 PROPOSED CONTOUR LINE
	EXTENT OF GRADING IMPROVEMENTS
	PARCEL LINE
	MOWING BAND
	TC=50.5± FL=50.0± GRADING SPOT ELEVATION

- NOTES**
- ALL PAVEMENT MARKINGS SHALL BE TWO COATS OF PAINT. PAINT SHALL CONFORM TO SECTION 84 OF THE CALTRANS SPECIFICATIONS. STRIPES SHALL BE 4" WIDE WHITE STRIPES, UNLESS OTHERWISE NOTED.
  - LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE BASED ON AVAILABLE INFORMATION. THERE MAY BE ADDITIONAL EXISTING LINES NOT SHOWN ON THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION OF UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (U.S.A) AT LEAST 48 HOURS IN ADVANCE OF ANY EXCAVATING.
  - PHYSICAL VERIFICATION OF UTILITY LOCATIONS SHALL BE PERFORMED BY POT-HOLING OR HAND DIGGING AND CAREFUL SUBSURFACE PROBING IN CONFORMANCE WITH LAWS AND REGULATIONS. ANY DEVIATIONS FROM LOCATIONS SHOWN ON PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE STARTING CONSTRUCTION.
  - STREETS AND SIDEWALKS SHALL BE RESTORED PER CITY AND COUNTY OF SAN FRANCISCO STANDARD PLANS AND SPECIFICATIONS AFTER REMOVAL OF UTILITIES.
  - PROTECT ALL EXISTING UTILITIES AND UTILITY BOXES IN THE PUBLIC RIGHT OF WAY UNLESS SPECIFICALLY DESIGNATED TO BE REMOVED. ALL EXISTING UTILITY BOXES SHALL BE ADJUSTED TO GRADE TO CONFORM WITH PROPOSED IMPROVEMENTS, WHETHER OR NOT SPECIFICALLY CALLED OUT ON THE PLANS.
  - CONCRETE PAD UNDER BLEACHERS SHALL BE REINFORCED WITH #4 REBAR 16" O.C. BOTH WAYS. MINIMUM 3" COVER.

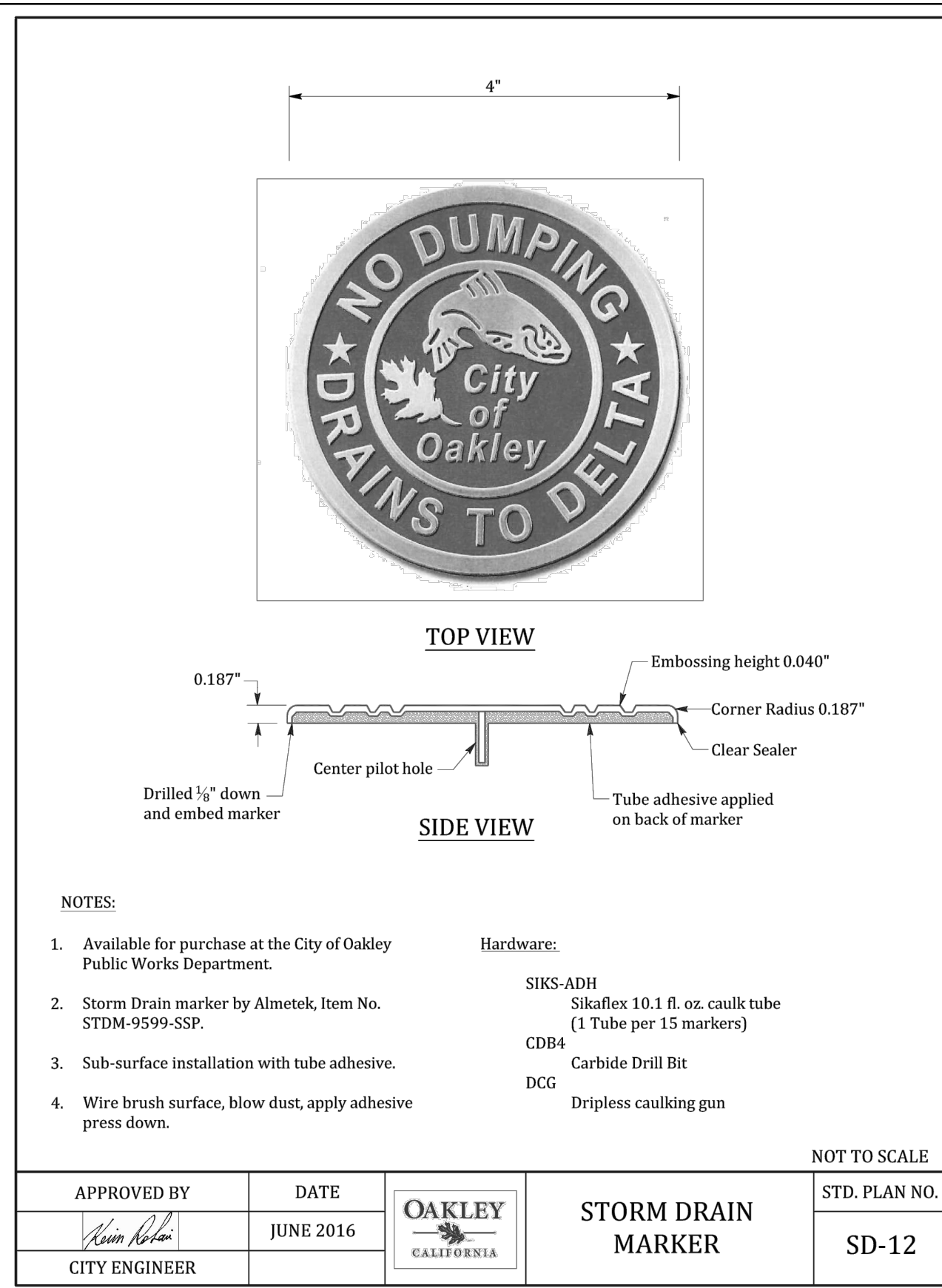


Z:\Projects\223 City of Oakley\005\_Athletic Field\AAA Latest\Shit 5 - Site Layout and Grading Plan.dwg

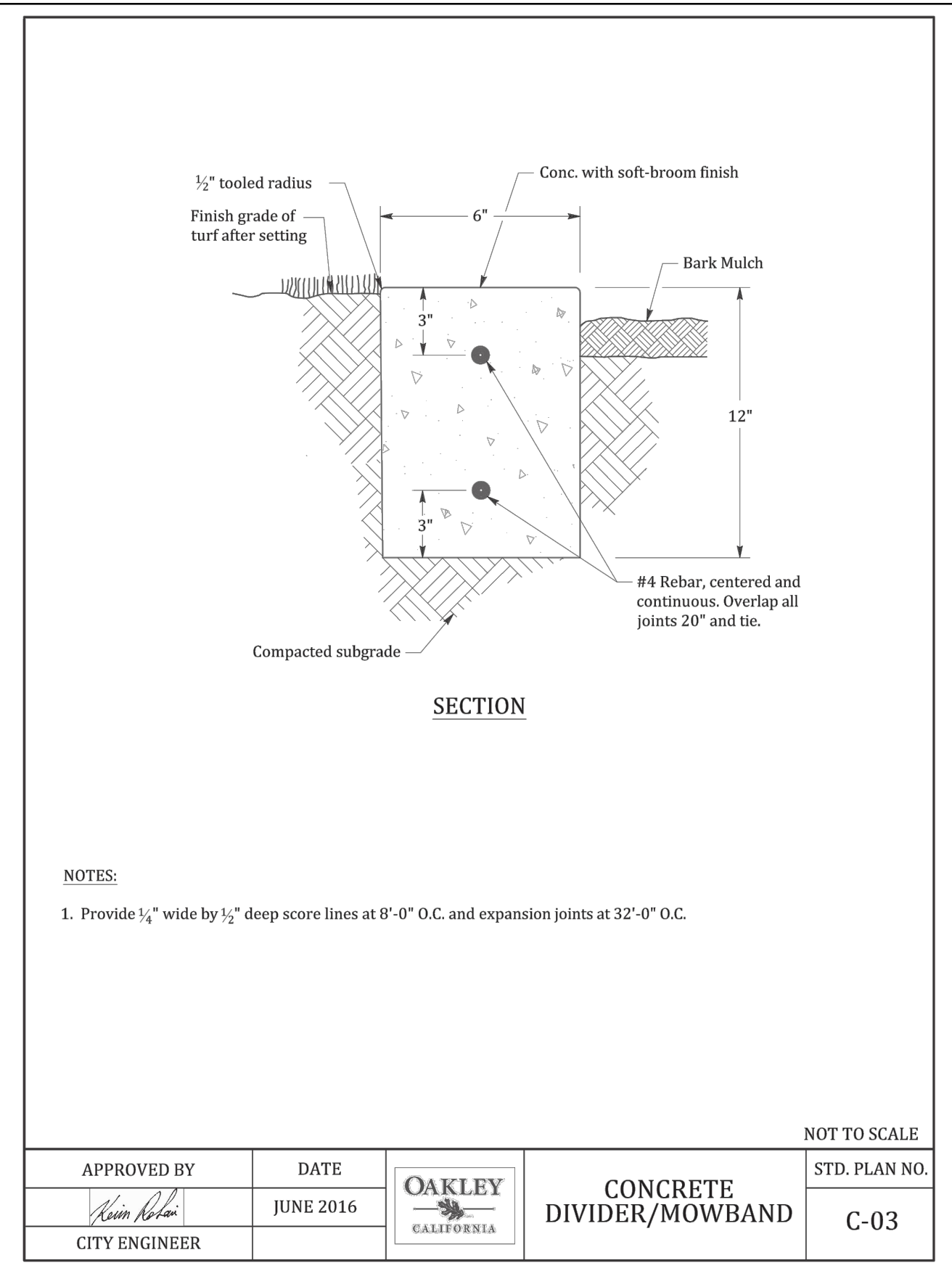
DATE: 06/10/19	6/10/19	ADDENDUM 2	APPD	SUBCONSULTANT:	 <b>OAKLEY CALIFORNIA</b>	<b>SITE LAYOUT AND GRADING PLAN</b>	SHEET <b>C5.0</b>
SCALE:							JOB NO. 223005
DESIGNED: JLB							
DRAWN: JLB							
CHECKED: RJL							
PROJ. ENGR: JLB							
 <b>FREYER &amp; LAURETA, INC.</b> CIVIL ENGINEERS • SURVEYORS • CONSTRUCTION MANAGERS		144 North San Mateo Drive • San Mateo, CA 94401 (650)344-9901 • Fax (650)344-9920 www.freyerlaureta.com		DATE DESCRIPTION OF REVISIONS APPD			



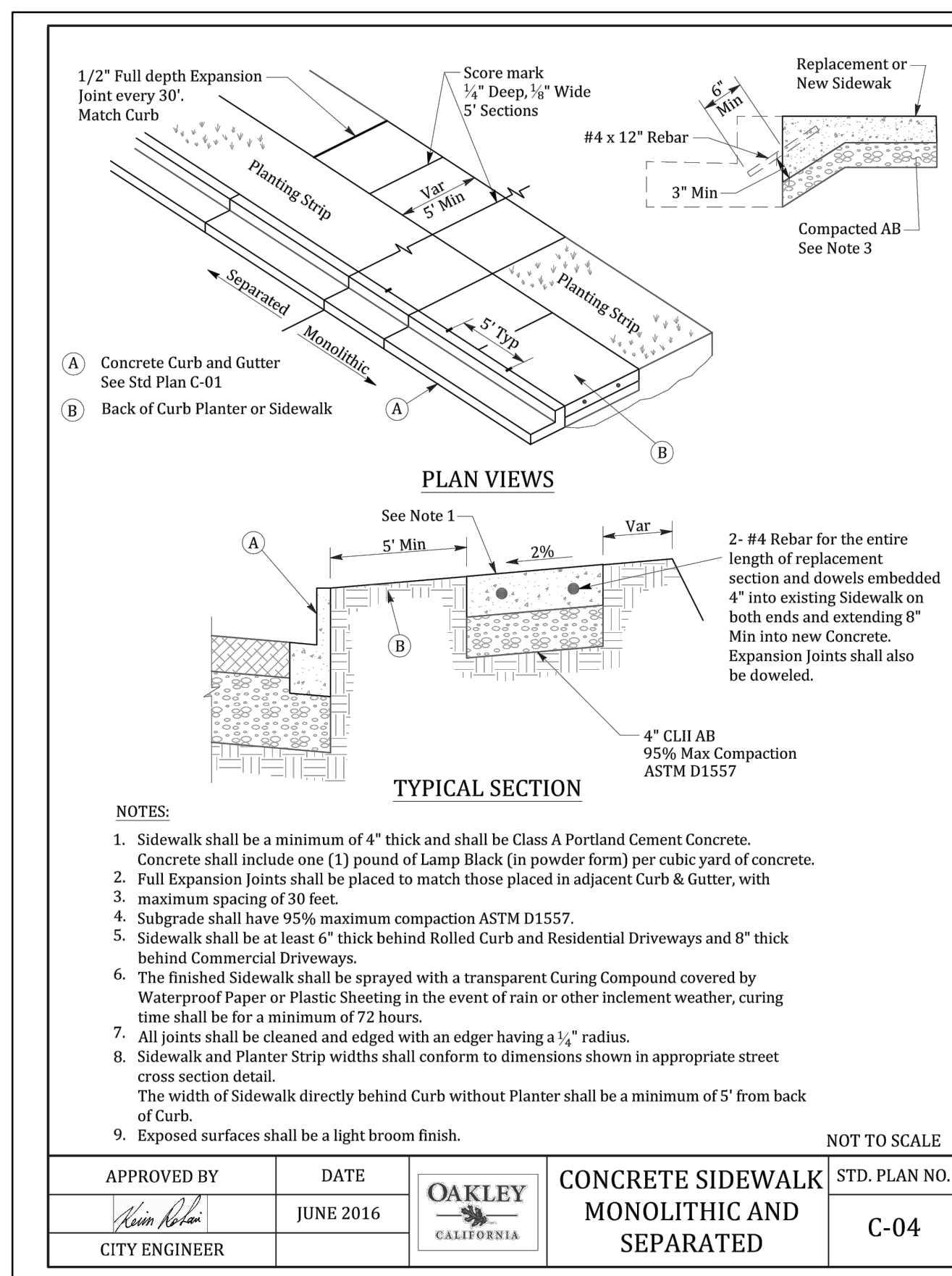
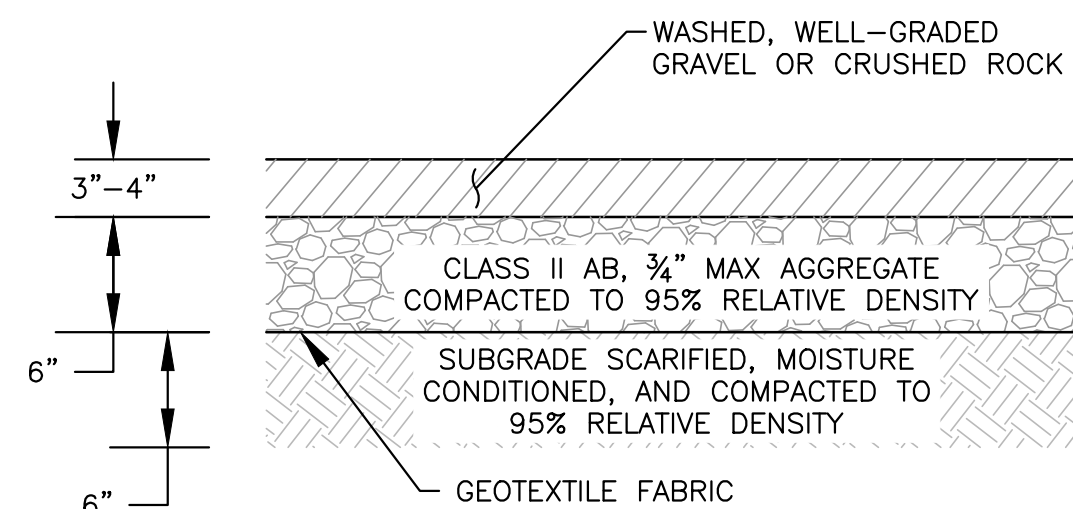
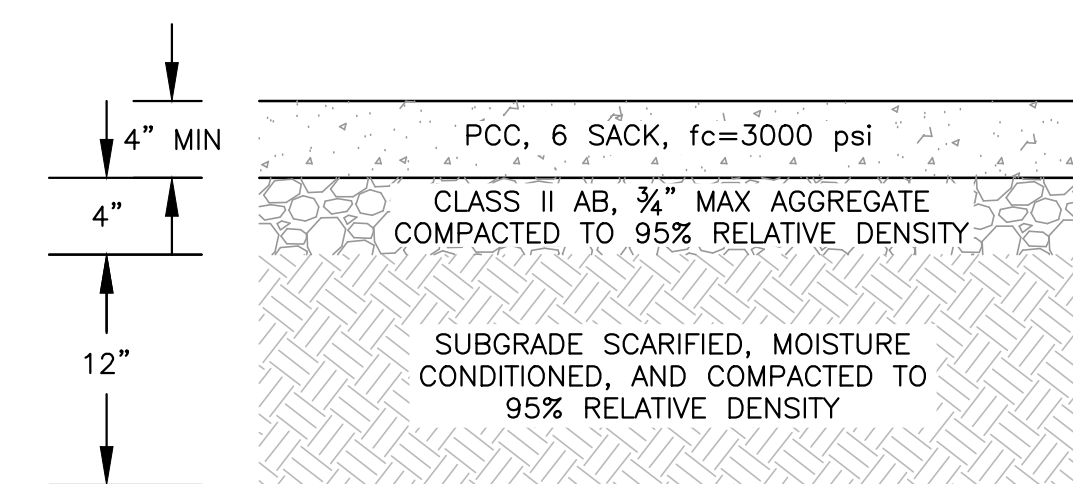
① TYPE III INLET - LANDSCAPE AREA  
SCALE: NO SCALE



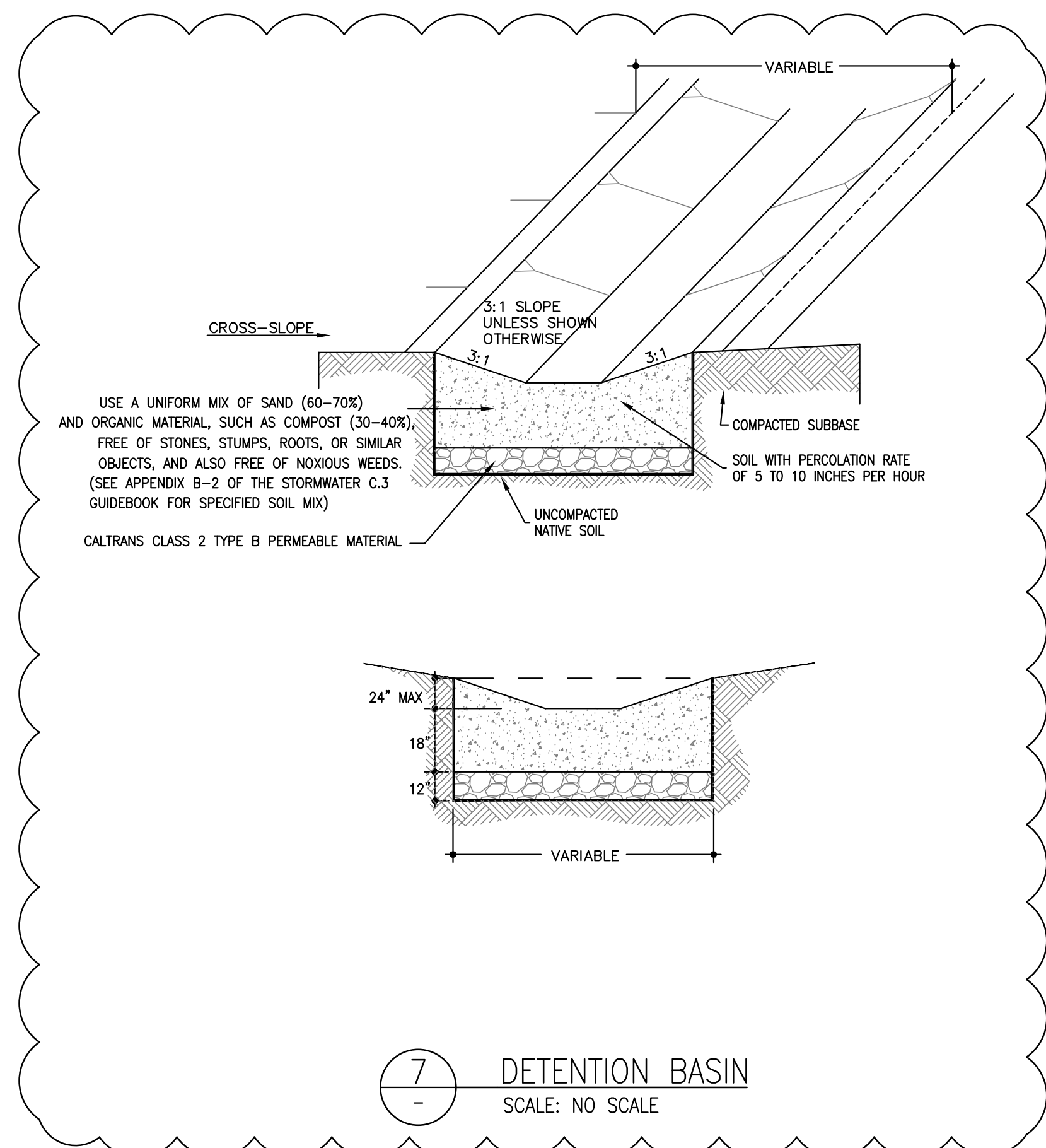
② STORM DRAIN MARKER  
SCALE: NO SCALE



③ CONCRETE DIVIDER/MOWBAND  
SCALE: NO SCALE



⑥ SEPARATED CONCRETE WALKWAY  
SCALE: NO SCALE



⑦ DETENTION BASIN  
SCALE: NO SCALE

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the overall branching structure. Include a person in the photos for scale. Engineer reserves the right to reject plant materials prior to delivery on the basis of the photos. Plants, which are rejected, shall be replaced with acceptable plants. Review of photos does not constitute pre-acceptance of plants delivered to the Worksite.

## **JOB CONDITIONS**

- A. Delivery:
  - 1. Deliver standard products to site in original unopened containers bearing manufacturer's guaranteed chemical analysis, name, trade mark and conformance to state law.
  - 2. Deliver plants with identification labels.
    - a. Labels should state correct name and size.
    - b. Use durable, water-proof labels with water resistant ink that will remain legible for at least 60 days.
  - 3. Protect plant materials during transport to prevent damage to rootball or desiccation of leaves.
  - 4. Remove unacceptable plant materials immediately from job site.
- B. Storage:
  - 1. Contractor shall maintain the plant material properly between delivery and planting. This includes protection from animals and vandals, proper watering, and feeding if necessary.
  - 2. Shade plants shall be stored in the shade, and sun plants shall be stored in the sun.
- C. Timing: Under no circumstances shall any work be performed if the temperature exceeds 90 degrees Fahrenheit or is below 40 degrees Fahrenheit. No planting shall be done with the soil saturated with water.

## **ENVIRONMENTAL REQUIREMENTS AND SOILS**

- A. No planting area earthwork, planting, or seeding shall occur during weather conditions that will adversely affect materials or when soil is in a muddy condition. Contractor shall not plant at the end of the day, on Fridays, or before holidays unless a special crew has been assigned to care for plants on next Day and on weekends and holidays. Soil used within landscaped areas shall be in a friable condition at time of displacement including during transportation, placement, cultivation, and planting.
- B. Friable refers to the structure and moisture content of soil. Friable soil shall be understood to mean soil that crumbles easily in the hand, does not stick to the hand, and does not form a ball when squeezed. Friable soil is not wet or muddy but is moist and damp. Obtain the Engineer's determination of soil condition acceptability prior to installation and working of soils.

## **MATERIALS**

### **SOIL AMENDMENTS:**

- A. ~~The following organic amendments, soil amendments, and fertilizer rates and~~

~~quantities are to be used for bid basis only. Contractor shall arrange and pay for testing by an accredited soils laboratory of existing site soil after rough grading operations are complete, and shall amend the soils according to said laboratory's recommendations. Incorporate soil amendments as recommended in the Sunland Labs test recommendations on Sheet L3.3.~~

- B. Topsoil: Provide topsoil as required to complete landscape work. Topsoil to be furnished shall be fertile and friable, possessing characteristics of representative productive soils on the site. It shall not contain toxic substances which may be harmful to plant growth. If herbicide contamination is suspected then a radish/rye grass growth trial must be performed. Consult with Landscape Architect prior to decision to test. It shall be uniformly textured and free of all objectionable foreign materials, oil, or chemicals which may be injurious to plant growth. Natural topsoil shall possess a pH factor between 5.5 and 7.5, a sodium adsorption ratio (SAR) of less than 3, a boron concentration of the saturation extract of less than 1 ppm, and salinity of the saturation extract at 25 degrees C. of less than 4.0 millimhos per centimeter. Obtain topsoil from naturally well- drained sites where topsoil occurs in a depth of not less than 4 inches; do not obtain from bogs or marshes. Topsoil from the project stockpile which meets the requirements is acceptable.
- C. Imported Recycled Organic Topsoil: Topsoil shall be tested by an approved soils laboratory for compatibility with existing on-site soils and fertility. Contractor shall submit soil laboratory's analysis and amendment recommendations. Imported topsoil shall be subject to inspection by the Engineer at the project site. Remove rejected topsoil immediately at Contractor's expense.
- D. Imported Bioretention Soil Mix (BSM): Soil mix shall meet requirements as specified in Provision C.3.c.i (1) (b) (vi), Attachment L of the Municipal Regional Stormwater NPDES Permit.
- E. Compost shall meet the following criteria:
1. Particle size: 100% passing a 1" screen or smaller
  2. Salt Concentration: Must be reported; may vary but < 4.0 mmhos/cm preferred. Compost must be tested. <2.5 mmhos/cm preferred for soil/compost blend.
  3. Feedstock Materials shall be specified and include at one or more of the following: landscape/yard trimmings, grass clippings, food scraps, and agricultural crop residues.
  4. Nutrient Content: provide analysis detailing nutrient content including N-P-K; Ca; Mg; S; and Bo1. Nitrogen content 1% or above preferred.
  5. Trace Contaminants Metals (Lead, Mercury, Etc.) Product must meet US EPA, 40 CFR 503 regulations.
  6. pH: pH shall be between 5.5 and 7.5.
  7. Visible Contaminants: compost shall be relatively free of inert ingredients, including glass, plastic and paper, < 0.1 % by weight or volume.
  8. Moisture Content shall be between 35% - 55% of dry solids.
  9. Organic Matter Content: 50% - 60% by dry wt. preferred, 30-70% acceptable.
  10. Carbon and Nitrogen Ratio: C:N < 20:1
  11. Stability/Maturity: shall have a dark brown color and a soil-like odor. Compost exhibiting a sour or putrid smell, containing recognizable grass or leaves, or is hot (120F) upon delivery or rewetting is not acceptable.
  12. Weed seed/pathogen destruction: provide proof of process to further reduce pathogens (PFRP). For example, turned windrows must reach min. 55C for 15

days with at least 5 turnings during that period.

- F. Organic Fertilizer: Synthetic, quick-release fertilizers shall not be permitted. Fertilizers prohibited by OMRI are prohibited in the project. Organic fertilizers as recommended by the soils report.

~~G. Iron: Premium Green Iron 40% by Gro Power.~~

~~H. Fertilizer:~~

~~1. Lawn, shrub and groundcover areas:~~

~~a. 170 lbs Gro Power plus W/M per 1,000 square feet.~~

~~2. Shrubs, groundcovers, vines and trees:~~

~~a. Gro Life mycorrhizae tablets fertilizer tablets as manufactured by Gro Power. Apply according to Manufacturer's instructions.~~

~~3. Lawn Area:~~

~~a. Iron: Premium Green Iron 40% by Gro Power; apply 20 lbs per 1,000 square feet.~~

#### TOP MULCH:

- A. Areas above 45 foot contour line: Mulch shall be recycled materials – ProChip Mulch (2 inch grind – all product passes 2 inch screen) or approved equal. Available from: BFI Organics 408-945-2836.
- B. Areas below 45 foot contour line (zone of inundation): Compost (see “Soil Amendments”).

#### GROUNDCOVERS, TREES, AND SHRUBS:

- A. All plant materials shall be nursery grown in accordance with the best known horticulture practices and under climatic conditions similar to those in the locality of the project. Container stock shall have grown in the containers in which delivered for at least six (6) months, but not over two years. No container plants that have cracked or broken balls of earth when taken from container shall be planted except upon special approval by the Engineer.
- B. Plants shall be vigorous and shall have a normal habit of growth. Plants shall be free of damage by insects, pests, diseases or wind; burns from insecticides or fertilizer; and stunted growth due to lack of water, lack of food, diseases, or other causes. Plants shall be in conformity with the sizes shown on the drawings.
- C. Trees: Unless otherwise specified, tree trunks shall be straight with leader intact, undamaged, and uncut. All old abrasions and cuts are acceptable only if completely callused over.
- D. Quantities: Quantities necessary to complete the work as shown on the drawings shall be furnished.
- E. Root Systems: All shrubs and trees shall have a normal root system. No plants with roots that have encircled themselves will be accepted. In case of any unsatisfactory root system, a total group of plants may be rejected.

#### WATER SOURCE:

- A. Water source shall be provided by City. Contractor shall provide transport as required.

#### ROOT BARRIERS:

- A. Not required.

#### SOD:

- A. Sod shall be one year old and dense with grass, having been mowed at 1 in. height before lifting from field. All grown on fumigated soil. Sod shall be in vigorous condition, dark

green in color, free of disease and harmful insects. Sod shall be grown by Delta Bluegrass (800) 637-8873:

1. Turf: 90/10 Tall fescue, non-netted
2. Grasses, Perennial Mix: 'Native No-Mow'

#### TREE SUPPORT POLES:

- A. Peeled, lodge pole pine logs, treated with Chemonite or ACQ or approved equal, clean, smooth, new, and sized as follows:
  1. Three inch (3") diameter with sufficient length to firmly anchor the stake and tie the tree at the height necessary to hold it upright.

#### TIES:

- A. Flexible strap, 24 inch minimum length without sharp edges adjacent to trunk, V.I.T. cinch-tie, or approved equal.

#### FILTER FABRIC:

- A. Polyester non-woven filter fabric with uniform fiber distribution by "Terra Bond" #1115, "Mirafi, Inc. "#140NS, or approved equal.

#### INFIELD:

- A. Sand content shall be 65% to 69%, with 45% to 50% composed of medium, coarse, and very coarse sand particles. Sand shape should be sub-angular to sub-rounded with low to medium sphericity.
- B. Silt & Clay: The combined amount of silt and clay shall be between 31% and 35% of the mix. The silt-to-clay ratio (SCR), which is found by dividing the percent silt by the percent clay, shall be between 0.5 and 1.0.
- C. Submit a particle size analysis of the proposed sand and the silt-clay component from a qualified laboratory for approval by the Project Engineer prior to delivery to the site.
- D. Clay Infill for Pitchers Mound and Home Plate: Turface 'Mound & Plate' all purpose clay.
- E. Pitching Rubber: Patterson Williams Number 8510-00
- F. Home Plate with Anchor: Patterson Williams Number 8500-00
- G. Base Peg Anchors & Plugs: Patterson Williams Numbers 8502-01 and 8502-02

#### SOIL PREPARATION

- A. The Contractor shall prepare the site for landscaping. In the areas designated for landscaping on the plans, he shall, prior to placing imported material, replacing existing topsoil, or doing any planting, clear the areas of weeds, roots, debris, rocks, and underground obstructions, and construction debris to a depth acceptable for planting. Scarify the subgrade in two directions to a 8" minimum depth prior to spreading topsoil.
- B. The Contractor shall alleviate compacted soils before planting, for all landscaped areas that cannot be protected during construction.
  1. Scarification: Scarify all planting areas prior to fine grading in order to ensure relative compaction of 85% or less. Any planting areas which become compacted in excess of 85% due to construction activities shall be thoroughly cross-ripped to the maximum depth feasible to alleviate that condition, taking care to avoid all existing drainage and subsurface utility lines.