



**ADDENDUM #1**  
**VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENTS-SECTION 4**  
**BID # 20/21-012 / PWP # WA-2021-164**  
**BIDS DUE NO LATER THAN: 1:45 PM ON MARCH 4, 2021**  
**PUBLIC BID OPENING: 2:00 PM ON MARCH 4, 2021**

This addendum is to notify all potential proposers of clarifications made to the Bid documents as stated below.

**COVID-19 Precautions** – Due to the City’s response to the COVID-19 virus and associated reduction in staff, in-person staff availability is limited. Bidders wishing to physically deliver their bids on the bid due date shall note that the Purchasing Office will receive bids in the lobby of City Hall beginning at 1PM on March 4th. Bids are due no later than 1:45PM. Bids may also be delivered to the Purchasing Department physical dropbox/mailbox, also located in the lobby of City Hall.

- 1) Bid Item Schedule – The original Bid Item Schedule found on Pages 5-7 of the original Bid Book shall be replaced by the revised Bid Item Schedule contained in this Addendum.
- 2) Bid Item Clarifications – The original Bid Item Clarifications found on Pages 45-53 of the original Bid Book shall be replaced with the revised Bid Item Clarifications contained in this Addendum.
- 3) RFI Questions and Answers:
  - a) What time can we hand deliver the Victorian Bid to the City on March 4?
    - i) **Answer:** Bidders wishing to physically deliver their bids on the bid due date shall note that the Purchasing Office will receive bids in the lobby of City Hall beginning at 1 PM on March 4<sup>th</sup>. Bids are due no later than 1:45 PM. Bids may also be delivered to the Purchasing Department physical drop box/mailbox, also located in the lobby of City Hall.
  - b) Bid Item C23, The book says SF. The bid item is 1 LS. Is that 1 Lump Sum for all 5?
    - i) **Answer:** Bid Item C23 will be billed as 1 Lump Sum. This also includes a change to the Bid Item Schedule to clarify this bid item is for five (5) art pedestals. See the revised Bid Item Schedule and Bid Item Clarifications.
  - c) Can you confirm if The City of Sparks will be providing all surveying for the project?
    - i) **Answer:** The City of Sparks will provide surveying through Stantec under a separate contract.

- d) The Bid Item Clarification does not provide a description for D9.
- i) **Answer:** Bid Item Clarification Item D10 should be D9 and should read remove and dispose of existing signs and poles as specified, complete and in place. See the revised Bid Item Schedule and Bid Item Clarifications.
- e) Bid Item D11 under the – Remove Existing Transformer is listed as D10 (1 Lump sum) under the Bid Item schedule but is by the Each in the Bid Item Clarifications (BIC). Please clarify if this is paid by each or lump sum.
- i) **Answer:** Bid Item D10 will be billed as 1 Lump Sum and Bid Item D11 should be D10 in the Bid Item Clarifications. See the revised Bid Item Schedule and Bid Item Clarifications.
- f) The Bid item Clarification for Bid Item C4 is incorrect. Please provide the correct BIC for the Porous Pavement.
- i) **Answer:** Bid Item Clarification C4 has been changed to a Porous Pavement description and will be billed as per Square Feet (SF). See the revised Bid Item Schedule and Bid Item Clarifications.
- g) Bid Item Clarification for Bid Item C14 listed payment by the each and by the LF, please clarify.
- i) **Answer:** Bid Item C14 will be billed by per Lineal Feet (LF). See the revised Bid Item Schedule and Bid Item Clarifications.
- h) Bid Item Clarification for Bid Item C23 listed payment by the Square Foot but is listed as lump sum under the Bid Item schedule. Please clarify if this is paid by SF or lump sum.
- i) **Answer:** Bid Item C23 will be billed as 1 Lump Sum. This is a lump sum item for five (5) Art Pedestal's. See the revised Bid Item Schedule and Bid Item Clarifications.
- i) The notes for the Irrigation Sleeves on Sheet 9 “IRR PROVIDED & INSTALLED BY CITY OF SPARKS”, but under the BIC for C21 – Miscellaneous Irrigation states installing new irrigation lines is provided by contractor. Please clarify the irrigation scope provided by the City of Sparks.
- i) **Answer:** Irrigation will be provided and installed by the contractor as specified in bid item clarification C21.
- j) The plans are a little blurry and do not show the pictures well. Can you provide a better copy?
- i) **Answer:** A cleaner set of plans has been provided on the City of Sparks website.
- k) Where is the grass removal included in the bid?
- i) **Answer:** The grass section will be included with the bus stop and billed as one lump sum.

Please note and adjust your bid according to the revisions, additions, deletions, clarifications or modifications as presented on this Addendum #1, which are made a part of this bid. NOTE: To avoid disqualification, this Addendum 1 (and any other addenda) must be signed by an authorized representative of the bidding firm in the space provided and must be submitted with your firm's sealed proposal. Failure to return this addendum, duly signed, may be cause for rejection of the bid. ALL ADDENDA SHOULD BE SIGNED AND PLACED IN SEQUENTIAL ORDER AND ATTACHED TO THE FRONT OF THE BID PACKAGE, COMPLETE WITH ALL REQUIRED DOCUMENTS.

\_\_\_\_\_  
CONTRACTOR BUSINESS NAME

\_\_\_\_\_  
Dan Marran, C.P.M., CPPO  
Contracts and Risk Manager

X \_\_\_\_\_  
Authorized Signature

March 2, 2021

\_\_\_\_\_  
Printed Name of Person Signing

**CITY OF SPARKS**  
**BID ITEM SCHEDULE - REVISED**

**BID TITLE: Victorian Square Infrastructure Improvements – Section 4**

**BID # 20/21-012**

**PWP #WA-2021-164**

**PRICES** must be valid for 90 calendar days after the bid opening.

**COMPLETION** of this project is expected **PURSUANT TO CONTRACT DOCUMENTS**.

**BIDDER** acknowledges receipt of \_\_\_\_\_ Addenda.

\_\_\_\_\_  
Bidder Name

\_\_\_\_\_  
(signature)

**Removal Items**

Item No.	Quantity	Unit	Description	Unit Price	Total Price
D1	2,470	SF	Remove and dispose of existing pavers as specified, complete and in place:	\$_____/SF	\$ _____
D2	1,705	SF	Remove and dispose of existing asphalt as specified, complete and in place:	\$_____/SF	\$ _____
D3	9,505	SF	Remove and dispose of existing concrete as specified, complete and in place:	\$_____/SF	\$ _____
D4	370	LF	Remove and dispose of existing curb & gutter as specified, complete and in place:	\$_____/LF	\$ _____
D5	19	EA	Remove and dispose of existing tree as specified, complete and in place:	\$_____/EA	\$ _____
D6	8	EA	Remove and dispose existing tree planters as specified, complete and in place:	\$_____/EA	\$ _____
D7	2	EA	Remove and dispose of existing catch basins as specified, complete and in place:	\$_____/EA	\$ _____
D8	1	LS	Remove and dispose of existing bus station as specified, complete and in place:	\$_____/LS	\$ _____
D9	2	EA	Remove and dispose of existing signs and poles as specified, complete and in place:	\$_____/EA	\$ _____
D10	1	LS	Remove and dispose of existing transformer pad and cutting and capping conduit as specified, complete and in place:	\$_____/LS	\$ _____



## Installation Items

C1	9,215	SF	Construct concrete sidewalk as specified, complete and in place:	\$ _____/SF	\$ _____
C2	5,700	SF	Construct asphalt paving and patch as specified, complete and in place:	\$ _____/SF	\$ _____
C3	1	EA	Construct pedestrian ramp as specified, complete and in place:	\$ _____/EA	\$ _____
C4	170	SF	Install Porous Pavement as specified, complete and in place:	\$ _____/SF	\$ _____
C5	150	LF	Install Type 1 curb & gutter as specified, complete and in place:	\$ _____/LF	\$ _____
C6	425	LF	Install Type 2 post curb as specified, complete and in place	\$ _____/LF	\$ _____
C7	40	LF	Install Type 3 rolled curb & gutter as specified, complete and in place:	\$ _____/LF	\$ _____
C8	100	LF	Install 3' Valley gutter as specified, complete, and in place:	\$ _____/LF	\$ _____
C9	250	SF	Install 6' Valley gutter as specified, complete, and in place:	\$ _____/SF	\$ _____
C10	6	EA	Plant new tree as specified, complete and in place:	\$ _____/EA	\$ _____
C11	2	EA	Install new site light as specified, complete and in place:	\$ _____/EA	\$ _____
C12	2	EA	Install new type 4-R catch basins as specified, complete and in place:	\$ _____/EA	\$ _____
C13	1	EA	Install new type 3-R catch basins as specified, complete and in place:	\$ _____/EA	\$ _____
C14	215	LF	Install 8" Storm Drain pipe as specified, complete and in place:	\$ _____/LF	\$ _____
C15	1	EA	Paint existing arch, and repair as specified, and complete in place	\$ _____/EA	\$ _____
C16	9	EA	Install new parking bumpers as specified, and complete in place:	\$ _____/EA	\$ _____
C17	2	EA	Install new bollards as specified, and complete in place:	\$ _____/EA	\$ _____
C18	1	LS	Install parking striping and signage as specified, and complete in place	\$ _____/LS	\$ _____
C19	1	LS	Install new transformer pad and conduit as specified, and complete in place:	\$ _____/LS	\$ _____

### Installation Items (Cont.)

C20	1	LS	Traffic control	\$/_____/LS	\$ _____
C21	1	LS	Miscellaneous Irrigation	\$/_____/LS	\$ _____
C22	1	LS	Miscellaneous Electrical	\$/_____/LS	\$ _____
C23	1	LS	Construct art pedestals (five total) as specified, complete and in place:	\$/_____/LS	\$ _____
C24	1	LS	Force account	\$ 50,000.00	\$ 50,000.00

<p><b>Total</b></p> <p>\$ _____</p> <p style="text-align: center;"><b>(written total bid price)</b></p>	<p>\$ _____</p>
---	-----------------

**BID ITEM CLARIFICATIONS- REVISED**  
**Victorian Square Infrastructure Improvements - Section 4**  
**PWP# WA-2021-164**

**GENERAL INFORMATION**

All construction shall conform to the Standard Specifications for Public Works Construction for Northern Nevada (Orange Book) and Standard Details for Public Works Construction latest edition, unless otherwise noted on the plans or herein.

The Engineer's estimated quantity, as contained in the bid schedule, is based on the details and dimensions shown on the plans and no guarantee is made that the quantity, which can be determined by computations, will equal the estimated quantity. No allowance will be made in the event that the quantity based on the computations does not equal the estimated quantity.

In case of discrepancy between the quantity contained in the bid schedule and the quantity or summation of quantities for the same item shown on the plans, payment will be based on the quantity contained in the bid schedule.

If the quantity of a particular item of work is intentionally increased or decreased by the project owner during construction, the final payment of that item will be adjusted to reflect the change.

For bid items which are based on field measurement, the owner representative and the contractor shall agree upon the quantity on a daily bases.

The contractor shall be responsible for attaining all required permitting for the project.

**BID ITEM D1 – REMOVE AND DISPOSE EXISTING PAVERS**

This item shall include the removal and disposal of existing pavers as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing pavers as indicated on the plans, including, but not limited to; sawcuts, removal of pavers, base materials and subgrade as required to accommodate the new section, vegetation, debris, and unsuitable material between pavers and disposal of all removed materials to an offsite location.

The final pay quantity shall be by measured by square foot. Payment for REMOVE AND DISPOSE EXISTING PAVERS shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM D2 – REMOVE EXISTING ASPHALT**

This item shall include removal of existing asphalt as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing asphalt as indicated on the plans, including, but not limited to; sawcuts, removal of the existing asphalt and the existing aggregate base and/or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new aggregate base depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by square foot. Payment for REMOVE EXISTING ASPHALT shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM D3 – REMOVE EXISTING CONCRETE**

This item shall include removal of existing PCC sidewalk, PCC pavement and pedestrian ramps as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing concrete as indicated on the plans, including, but not limited to; sawcuts, removal of the existing PCC sidewalk, PCC pavement, pedestrian ramp, and the existing aggregate base and/ or subgrade materials, and removal of existing materials, including tree roots, to the bottom of the new aggregate base depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by square foot. Payment for REMOVE EXISTING CONCRETE shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM D4– REMOVE EXISTING CURB AND GUTTER**

This item shall include removal of existing curb and gutter as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing concrete curb and gutter as indicated on the plans, including, but not limited to; sawcuts, removal of the existing curb and gutter and the removal of existing aggregate base and/ or subgrade materials, including tree roots, to the bottom of the new aggregate base depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by linear foot. Payment for REMOVE EXISTING CURB AND GUTTER shall be made at the applicable unit price bid per linear foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM D5 – REMOVE EXISTING TREES**

This item shall include removal of existing trees as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary remove existing trees as indicated on the plans, including, but not limited to; removal of existing trees, tree grates, concrete collars and any unsuitable material encountered during excavation and disposing unsuitable materials and relocating the trees to offsite locations.

The final pay quantity shall be by each. Payment for REMOVE EXISTING TREES shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM D6 – REMOVE EXISTING PLANTERS**

This item shall include removal of existing planters as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing planters as indicated on the plans, including, but not limited to; protect in place existing utilities, protect in place existing tree, retention of top soils for reuse, sawcuts, removal and disposal of existing concrete planters, removal of

existing unsuitable materials to the bottom of the new aggregate base depth in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by each. Payment for REMOVE EXISTING PLANTERS shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM D7 – REMOVE EXISTING CATCH BASINS**

This item shall include removal of existing catch basins as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing catch basins as indicated on the plans, including, but not limited to; sawcuts, removing and replacing existing materials, including curb and gutter, sidewalk concrete, plant root matter, dewatering, excavating existing aggregate base and/ or subgrade materials to depth the indicated on the plans and disposing to an offsite location.

The final pay quantity shall be by each. Payment for REMOVE EXISTING CATCH BASINS shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM D8 – REMOVE EXISTING BUS STATION**

This item shall include removal of the existing bus station and grass area as indicated on the plans to accommodate the new parking lot. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove the existing bus station and grass as indicated on the plans, including, but not limited to; removal of existing bus station, vegetation, grass, landscape pavers, debris, and unsuitable materials in the areas indicated on the plans, and disposing of unsuitable materials to an offsite location.

The final pay quantity shall be by lump sum. Payment for REMOVE EXISTING BUS STATION shall be made at the applicable unit price bid per lump sum, which shall be deemed full compensation to complete the work as specified.

**BID ITEM D9 – REMOVE AND DISPOSE OF EXISTING SIGNS AND POLES**

This item shall include removal of existing signs and poles as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing signs and poles as indicated on the plans, including, but not limited to; sawcuts, removing existing materials, including excavating existing aggregate base and/ or subgrade materials to depth the indicated on the plans and disposing to an offsite location.

The final pay quantity shall be by each. Payment for REMOVE EXISTING SIGN AND POLES shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM D10 – REMOVE EXISTING TRANSFORMER**

This item shall include removal of existing transformer as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to remove existing transformer as indicated on the plans, including,

but not limited to; sawcuts, the abandonment of electrical wiring, removing existing materials, including excavating existing aggregate base and/ or subgrade materials to the depth indicated on the plans and disposing to an offsite location.

The final pay quantity shall be per lump sum. Payment for REMOVE EXISTING TRANSFORMER shall be made at the applicable unit price bid per lump sum, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C1– CONSTRUCT CONCRETE SIDEWALK**

This item shall include constructing PCC sidewalk as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary construct PCC sidewalk as indicated on the plans, including, but not limited to; installation of PCC sidewalk, furnishing and addition of Sequoia Sand concrete coloring or approved equal, and supplement of aggregate base to existing base as needed per direction of the CITY per details on the plans.

The final pay quantity shall be by square foot. Payment for CONSTRUCT CONCRETE SIDEWALK shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C2 – CONSTRUCT ASPHALT PAVING PATCH**

This item shall include constructing asphalt paving as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to construct asphalt paving as indicated on the plans, including, but not limited to; installation of asphalt and supplement of aggregate base to existing aggregate base as needed per direction of the CITY per details on the plans.

The final pay quantity shall be by square foot. Payment for CONSTRUCT ASPHALT PAVING PATCH shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C3 – CONSTRUCT ADA RAMP**

This item shall include constructing PCC ADA pedestrian ramps as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to construct PCC ADA pedestrian ramps as indicated on the plans, including, but not limited to; construction of PCC pedestrian ramp and gutter, furnishing and addition of Sequoia Sand concrete coloring or approved equal, truncated domes installation for pedestrian ramp, and supplement of aggregate base to existing aggregate base as needed per direction of the CITY per details on the plans.

The final pay quantity shall be by each. Payment for CONSTRUCT ADA RAMP shall be made at the applicable unit price bid per each item, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C4 – CONSTRUCT POROUS PAVEMENT**

This item shall include material and installation of porous pavement as detailed on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to provide and install porous pavement as indicated on the plans, including, but not limited to; materials, installation, and preparation

of subgrade material to install porous pavement as detailed on the plans.

The final pay quantity shall be per square foot. Payment for CONSTRUCT POROUS PAVEMENT shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C5 – CONSTRUCT TYPE 1 CURB AND GUTTER**

This item shall include constructing PCC type 1 curb and gutter as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to construct PCC curb and gutter as indicated on the plans, including, but not limited to; installation of PCC curb and gutter, sawcuts, furnishing and supplement of aggregate base to existing aggregate base as needed per direction of the CITY per details on the plans.

The final pay quantity shall be by lineal foot. Payment for CONSTRUCT TYPE 1 CURB AND GUTTER shall be made at the applicable unit price bid per lineal foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C6 – CONSTRUCT TYPE 2 POST CURB**

This item shall include constructing PCC type 2 post curb as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to construct PCC curb as indicated on the plans, including, but not limited to; installation of PCC curb, sawcuts, furnishing and supplement of aggregate base to existing aggregate base as needed per direction of the CITY per details on the plans.

The final pay quantity shall be by lineal foot. Payment for CONSTRUCT TYPE 2 POST CURB shall be made at the applicable unit price bid per lineal foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C7 – CONSTRUCT TYPE 3 ROLLED CURB AND GUTTER**

This item shall include constructing PCC type 3 rolled curb & gutter as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to construct PCC curb and gutter as indicated on the plans, including, but not limited to; installation of PCC curb and gutter, sawcuts, furnishing and supplement of aggregate base to existing aggregate base as needed per direction of the CITY per details on the plans.

The final pay quantity shall be by lineal foot. Payment for CONSTRUCT TYPE 3 ROLLED CURB AND GUTTER shall be made at the applicable unit price bid per lineal foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C8 – CONSTRUCT 3' VALLEY GUTTER**

This item shall include constructing PCC 3' valley gutter as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to construct 3' valley gutter as indicated on the plans, including, but not limited to; installation of PCC 3' valley gutter, sawcuts, grading, furnishing and supplement of aggregate base to existing aggregate base as needed per direction of the CITY per details on the plans.

The final pay quantity shall be by lineal foot. Payment for CONSTRUCT 3' VALLEY GUTTER shall be made at the applicable unit price bid per lineal foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C9 – CONSTRUCT 6' VALLEY GUTTER**

This item shall include constructing PCC 6' valley gutter as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to construct 6' valley gutter as indicated on the plans, including, but not limited to; installation of PCC 6' valley gutter, sawcuts, grading, furnishing and supplement of aggregate base to existing aggregate base as needed per direction of the CITY per details on the plans.

The final pay quantity shall be by square foot. Payment for CONSTRUCT 6' VALLEY GUTTER shall be made at the applicable unit price bid per square foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C10 – PLANT NEW TREE**

This item includes plant materials of the number, type and size specified on the plans at the locations indicated on the plans, including all excavation, topsoil, mulch, drip irrigation adjustments and extensions required, and any other miscellaneous work associated with planting of bushes.

The final pay quantity shall be by each. Payment for PLANT NEW TREE shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C11 – INSTALL SITE LIGHT**

This item shall include installing site lights as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install site lights as indicated on the plans, including, but not limited to; connecting to the electrical system, install electrical wiring, conduit, placing backfill, sawcuts, aggregate bases, and furnishing the site lights.

The final pay quantity shall be by each. Payment for INSTALL SITE LIGHT shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C12 – CONSTRUCT TYPE 4R CATCH BASIN**

This item shall include installing type 4R catch basins as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install type 4R catch basins as indicated on the plans, including, but not limited to; connecting to the storm drain system, installing curb and gutter per plan details, placing backfill, sawcuts, aggregate bases, and furnishing the type 4R catch basins.

The final pay quantity shall be by each. Payment for INSTALL TYPE 4R CATCH BASINS shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.



**BID ITEM C13 – CONSTRUCT TYPE 3R CATCH BASIN**

This item shall include installing type 3R catch basins as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install type 3R catch basins as indicated on the plans, including, but not limited to; connecting to the storm drain system, placing backfill, sawcuts, aggregate bases, and furnishing the type 3R catch basins.

The final pay quantity shall be by each. Payment for INSTALL TYPE 3R CATCH BASINS shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C14 – CONSTRUCT 8” STORM DRAIN**

This item shall include installing 8” storm drain as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install 8” storm drain as indicated on the plans, including, but not limited to; trenching, cleanouts, connections, placing backfill, sawcuts, and aggregate base.

The final pay quantity shall be by lineal foot. Payment for CONSTRUCT 8” STORM DRAIN shall be made at the applicable unit price bid per lineal foot, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C15 – PAINT/REPAIR ARCH**

This item shall include painting and repairing arch as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to paint and repair arch as indicated on the plans, including, but not limited to; repairing existing arch, painting primer, and painting color.

The final pay quantity shall be by each. Payment for PAINT/REPAIR ARCH shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C16 – INSTALL PARKING BUMPER**

This item shall include installing parking bumper as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install parking bumper as indicated on the plans, including, but not limited to; parking bumper and rebar.

The final pay quantity shall be by each. Payment for INSTALL PARKING BUMPER shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C17 – INSTALL BOLLARD**

This item shall include installing bollard as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install bollard as indicated on the plans, including, but not limited to; concrete, steel post and yellow paint.

The final pay quantity shall be by each. Payment for INSTALL BOLLARD shall be made

at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C18 – INSTALL PARKING STRIPING AND SIGNAGE**

This item shall include installing parking striping and signage as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install parking striping and signage as indicated on the plans, including, but not limited to; paint, sign post, and signs.

The final pay quantity shall be by each. Payment for INSTALL PARKING STRIPING AND SIGNAGE shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C19 – INSTALL TRANSFORMER**

This item shall include installing transformer as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install transformer as indicated on the plans, including, but not limited to; transformer pad, excavation, trenching, conduit, and backfilling.

The final pay quantity shall be by each. Payment for INSTALL TRANSFORMER shall be made at the applicable unit price bid per each, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C20 – TRAFFIC CONTROL**

This item shall include providing all traffic controls necessary to provide a safe environment for the workers and traveling public and guide the traveling public through the work zone during construction. This item shall include all traffic control plans, signage, flaggers, supervision, temporary paving, temporary striping, notifications, or other means to provide the safe environment.

The final pay quantity shall be by lump sum. Payment for TRAFFIC CONTROL shall be made at the applicable unit price bid per lump sum, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C21 – MISCELLANEOUS IRRIGATION**

This item shall include the removal and/or installation of miscellaneous irrigation improvements. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install, remove or relocate water irrigation lines where tree planter boxes are being removed or relocated and hardscape areas that have irrigation planters as indicated on the plans, including, but not limited to; furnishing and installing new irrigation lines, conduit, installation of conduit, connections, and ground hydrants.

The final pay quantity shall be by lump sum. Payment for MISCELLANEOUS IRRIGATION shall be made at the applicable unit price bid per lump sum, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C22 – MISCELLANEOUS ELECTRICAL**

This item shall include the removal and/or installation of miscellaneous electrical

improvements as indicated on the plans. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to install, remove or relocate electrical outlets/lines at planter boxes being removed, adjusted, and relocated as indicated on the plans, including, but not limited to; furnishing and installing new electrical lines, connections, and traffic rated electrical boxes.

The final pay quantity shall be by lump sum. Payment for MISCELLANEOUS ELECTRICAL shall be made at the applicable unit price bid per lump sum, which shall be deemed full compensation to complete the work as specified.

**BID ITEM C23– CONSTRUCT ART PEDESTALS**

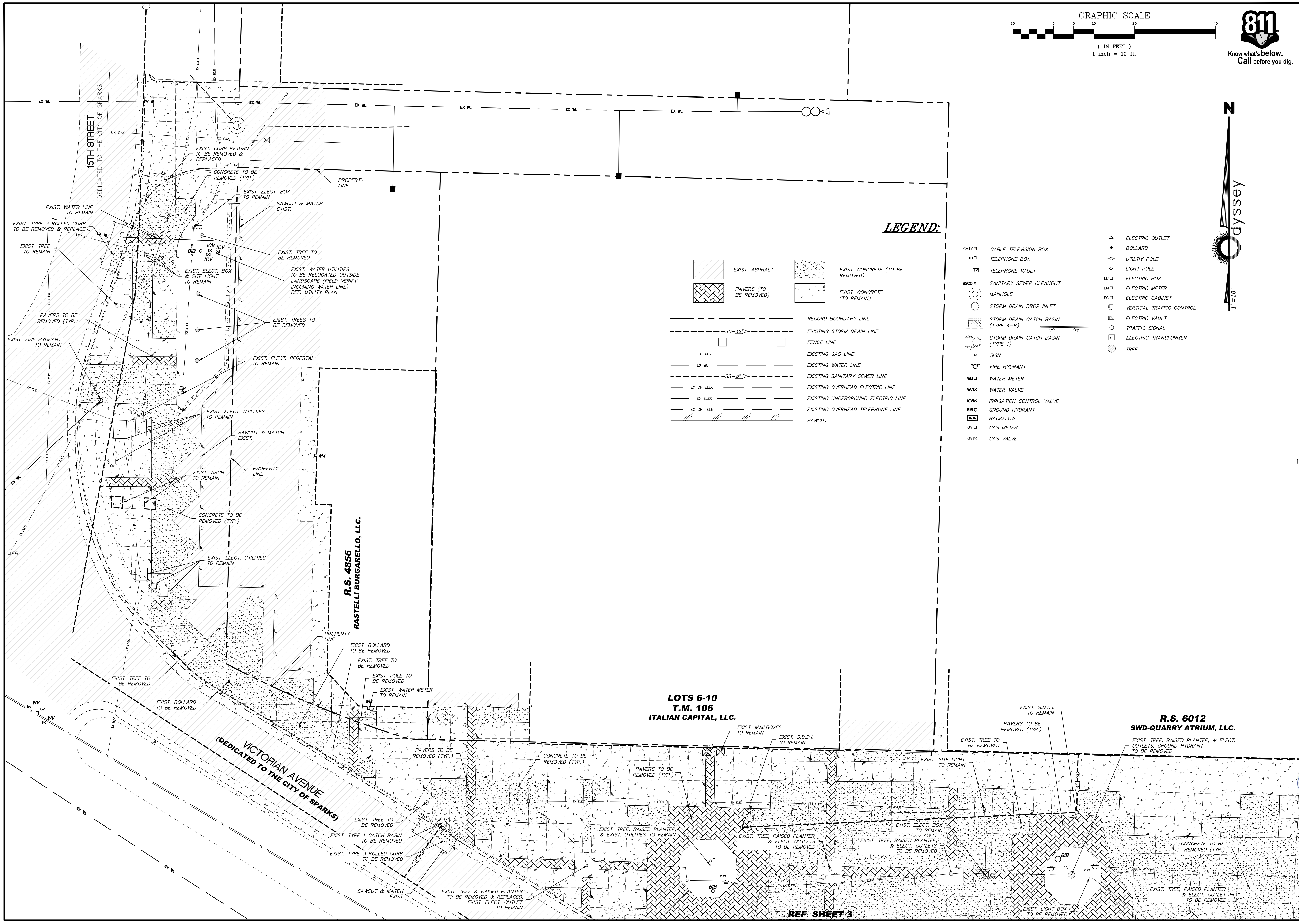
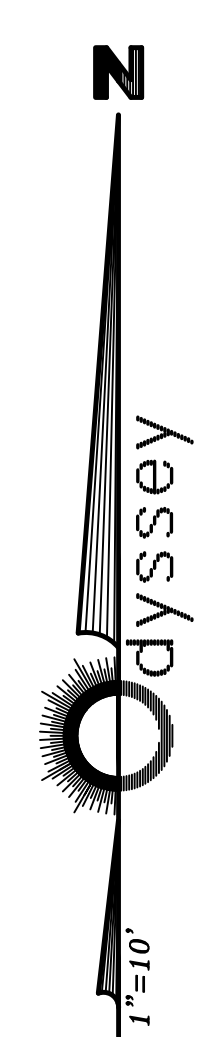
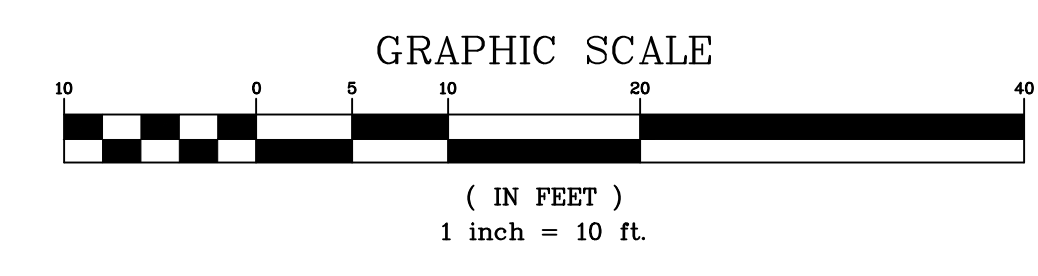
This item shall include constructing art pedestals as indicated on the plans. This bid item shall include all five art pedestals as a lump sum price. The work comprising the unit bid price for this item shall include all labor, equipment, materials and incidentals necessary to construct art pedestals as indicated on the plans, including, but not limited to; removal of existing hardscape for the installation of art pedestals, concrete, rebar and addition of Sequoia Sand concrete coloring or approved equal, and supplement of aggregate base to existing base as needed per direction of the CITY per details on the plans.

The final pay quantity shall be per lump sum. Payment for CONSTRUCT ART PEDESTALS shall be made at the applicable unit price bid per lump sum, which shall be deemed full compensation to complete the work as specified.









**LEGEND:**

- |  |                                  |  |                                    |
|--|----------------------------------|--|------------------------------------|
|  | EXIST. ASPHALT                   |  | EXIST. CONCRETE (TO BE REMOVED)    |
|  | PAVERS (TO BE REMOVED)           |  | EXIST. CONCRETE (TO REMAIN)        |
|  | RECORD BOUNDARY LINE             |  | EXISTING STORM DRAIN LINE          |
|  | FENCE LINE                       |  | EXISTING GAS LINE                  |
|  | EXISTING WATER LINE              |  | EXISTING SANITARY SEWER LINE       |
|  | EXISTING OVERHEAD ELECTRIC LINE  |  | EXISTING UNDERGROUND ELECTRIC LINE |
|  | EXISTING OVERHEAD TELEPHONE LINE |  | SAWCUT                             |
- 
- |  |                                    |  |                          |
|--|------------------------------------|--|--------------------------|
|  | CABLE TELEVISION BOX               |  | ELECTRIC OUTLET          |
|  | TELEPHONE BOX                      |  | BOLLARD                  |
|  | TELEPHONE VAULT                    |  | UTILITY POLE             |
|  | SANITARY SEWER CLEANOUT            |  | LIGHT POLE               |
|  | MANHOLE                            |  | ELECTRIC BOX             |
|  | STORM DRAIN DROP INLET             |  | ELECTRIC METER           |
|  | STORM DRAIN CATCH BASIN (TYPE 4-R) |  | ELECTRIC CABINET         |
|  | STORM DRAIN CATCH BASIN (TYPE 1)   |  | VERTICAL TRAFFIC CONTROL |
|  | SIGN                               |  | ELECTRIC VAULT           |
|  | FIRE HYDRANT                       |  | TRAFFIC SIGNAL           |
|  | WATER METER                        |  | ELECTRIC TRANSFORMER     |
|  | WATER VALVE                        |  | TREE                     |
|  | IRRIGATION CONTROL VALVE           |  |                          |
|  | GROUND HYDRANT                     |  |                          |
|  | BACKFLOW                           |  |                          |
|  | GAS METER                          |  |                          |
|  | GAS VALVE                          |  |                          |

DATE:	REV.	DATE	DESCRIPTION
FEB 4, 2021			
DRAWN BY:			
ACAD 20			
DESIGNED BY:			
TCP			
CHECKED BY:			
FAB			

**VICTORIAN AVE. INFRASTRUCTURE IMPROVEMENTS SECTION 4 DEMO PLAN**

SPARKS WASHOE NEVADA

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431  
(775) 399-3663 FAX: (775) 399-3664  
ODYSSEY-RENO.COM

**odyssey** ENGINEERING INCORPORATED

PROFESSIONAL ENGINEER, STATE OF NV  
**FRANK A. BIDART**  
Exp. 12-31-22  
CIVIL  
No. 10504

SCALE  
HORIZ. 1"=10'  
VERT. -  
JOB NO. 4273  
SHEET 2 OF 15





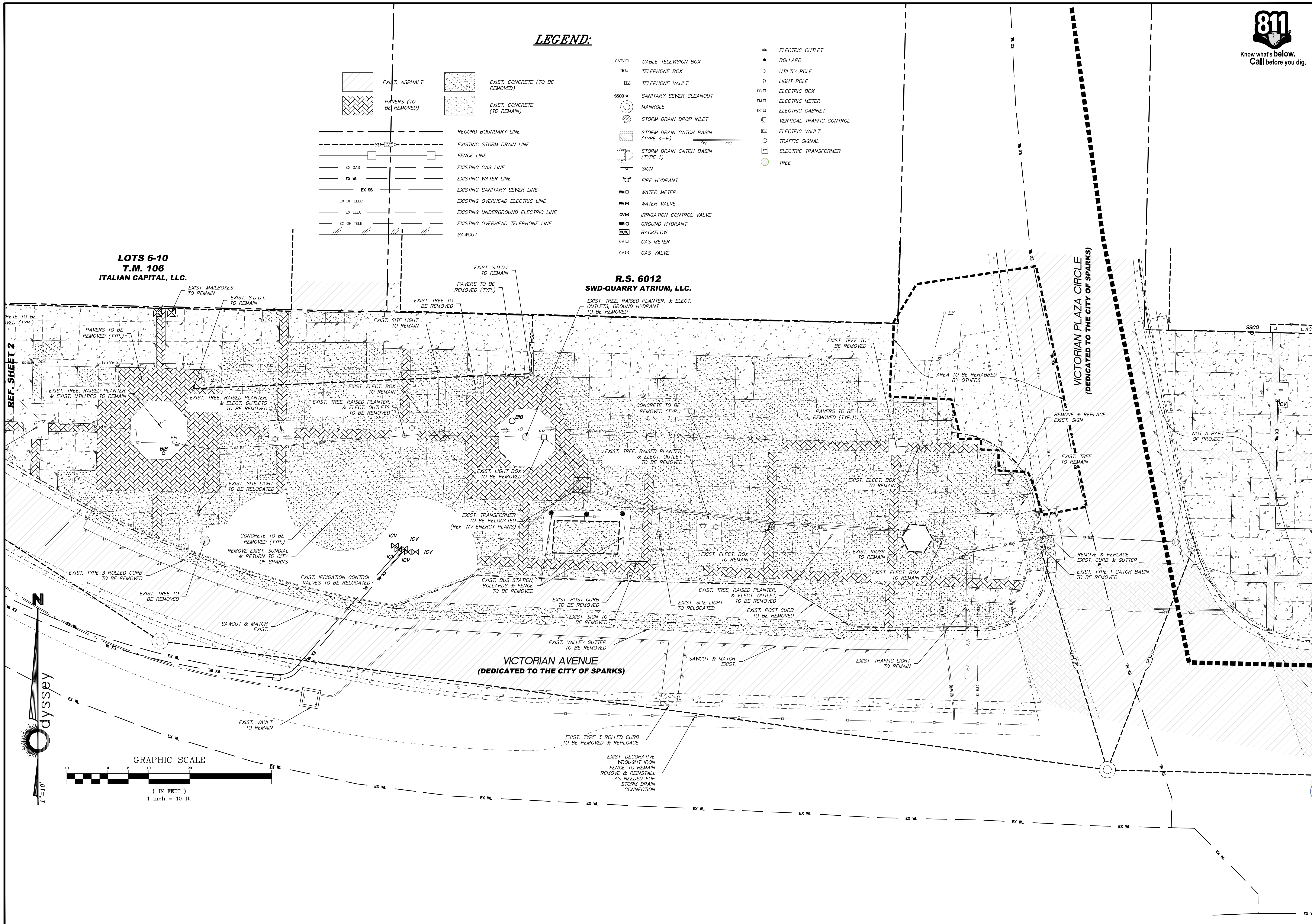
Know what's below.  
Call before you dig.

### LEGEND:

- |                                    |                                    |                          |
|------------------------------------|------------------------------------|--------------------------|
| EXIST. ASPHALT                     | EXIST. CONCRETE (TO BE REMOVED)    | ELECTRIC OUTLET          |
| PAVERS (TO BE REMOVED)             | EXIST. CONCRETE (TO REMAIN)        | BOLLARD                  |
| RECORD BOUNDARY LINE               | EXISTING STORM DRAIN LINE          | UTILITY POLE             |
| FENCE LINE                         | EXISTING GAS LINE                  | LIGHT POLE               |
| EXISTING WATER LINE                | EXISTING SANITARY SEWER LINE       | ELECTRIC BOX             |
| EXISTING OVERHEAD ELECTRIC LINE    | EXISTING UNDERGROUND ELECTRIC LINE | ELECTRIC METER           |
| EXISTING OVERHEAD TELEPHONE LINE   | SAWCUT                             | ELECTRIC CABINET         |
| MANHOLE                            | STORM DRAIN DROP INLET             | VERTICAL TRAFFIC CONTROL |
| STORM DRAIN CATCH BASIN (TYPE 4-R) | STORM DRAIN CATCH BASIN (TYPE 1)   | ELECTRIC VAULT           |
| SIGN                               | FIRE HYDRANT                       | TRAFFIC SIGNAL           |
| WATER METER                        | WATER VALVE                        | ELECTRIC TRANSFORMER     |
| IRRIGATION CONTROL VALVE           | GROUND HYDRANT                     | TREE                     |
| BACKFLOW                           | GAS METER                          |                          |
| GAS VALVE                          |                                    |                          |

**LOTS 6-10**  
**T.M. 106**  
**ITALIAN CAPITAL, LLC.**

**R.S. 6012**  
**SWD-QUARRY ATRIUM, LLC.**



REV.	DATE	DESCRIPTION

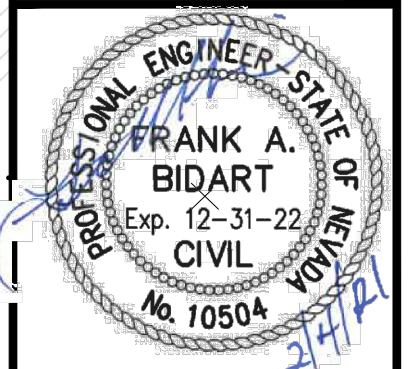
DATE: FEB 4, 2021  
 DRAWN BY: ACAD 20  
 DESIGNED BY: TCP  
 CHECKED BY: FAB

**VICTORIAN AVE. INFRASTRUCTURE**  
**IMPROVEMENTS SECTION 4**  
**CIVIL DEMO PLAN**

SPARKS WASHOE NEVADA

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431  
 (775) 399-3667 FAX: (775) 399-3668  
 ODYSSEY-RENO.COM

**odyssey** ENGINEERING INCORPORATED



SCALE	HORIZ. 1"=10'
VERT.	
JOB NO.	4273
SHEET	3
OF	15







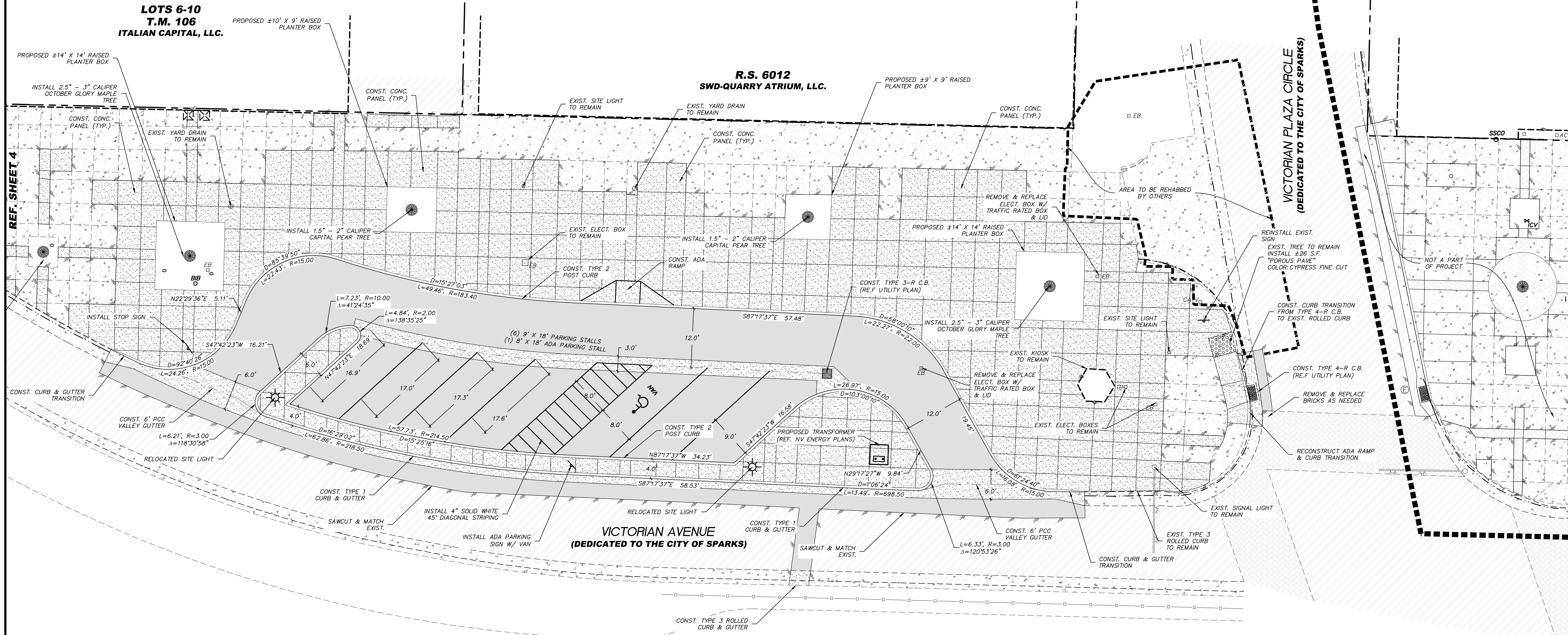
CITY OF SPARKS APPROVAL:

JON R. ERICSON, P.E., P.T.O.E.  
CITY ENGINEER

DATE: \_\_\_\_\_

**LEGEND:**

- EXISTING ASPHALT PAVING
- EXISTING BRICKS
- EXIST. CONCRETE
- PROPOSED ASPHALT PAVING  
4" AC W/ 6" TYPE 2 CLASS B AGG.  
BASE AT 95% RELATIVE COMPACTION
- PROPOSED CONCRETE  
4" P.C.C. (4000 p.s.i. W/ FIBERMESH  
AND 5%-7% AIR) ON 4" TYPE 2 CLASS B  
AGG. BASE AT 95% RELATIVE COMPACTION  
COLOR: SEQUOIA SAND
- POROUS PAVE  
2" "POROUS PAVE" PAVEMENT W/ 4" TYPE 2  
CLASS B AGG. BASE AT 95% RELATIVE  
COMPACTION  
COLOR: CYPRESS FINE CUT
- CURB AND GUTTER  
(DASHED IF EXISTING)
- POST CURB  
(DASHED IF EXISTING)
- MANHOLE (DASHED IF EXISTING)
- TYPE 4-R CATCH BASIN  
(DASHED IF EXISTING)
- TYPE 3 CATCH BASIN  
(DASHED IF EXISTING)
- NYOPLAST YARD DRAIN  
(DASHED IF EXISTING)
- SITE LIGHT  
(DASHED IF EXISTING)
- SAWCUT LINE



REV.	DATE	DESCRIPTION	BY	APP'D

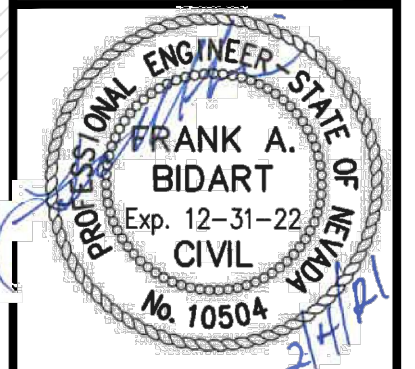
DATE: FEB 4, 2021  
 DRAWN BY: ACAD\_20  
 DESIGNED BY: TGP  
 CHECKED BY: FAB

VICTORIAN AVE. INFRASTRUCTURE  
 IMPROVEMENTS SECTION 4  
 CIVIL SITE PLAN

SPARKS WASHOE NEVADA

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431  
 (775) 399-3663 FAX: (775) 399-3664  
 WWW.DYSSSEYENGINEERING.COM

**dysssey** ENGINEERING INCORPORATED

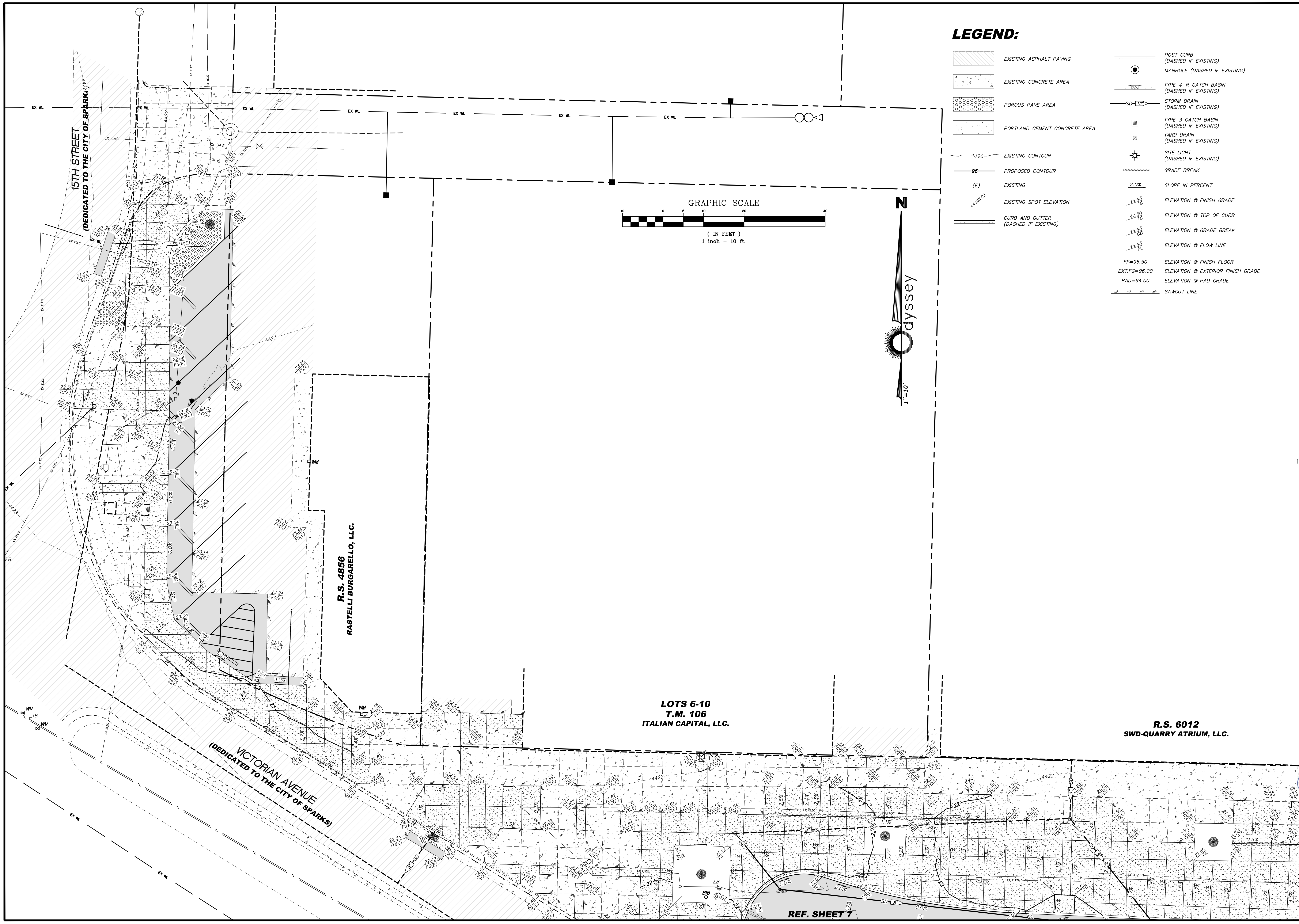


SCALE  
 HORIZ. 1"=10'  
 VERT. -

JOB NO.  
 4273

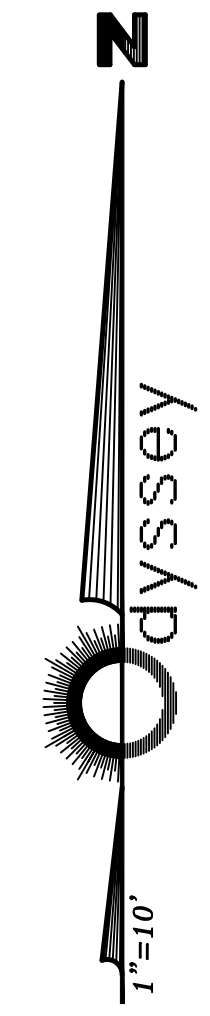
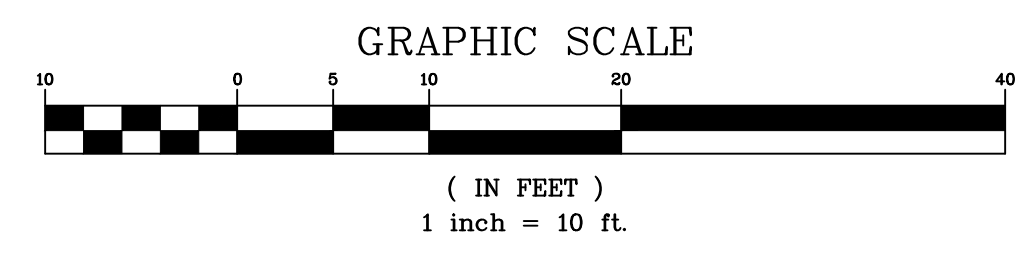
SHEET  
 5  
 OF  
 15





**LEGEND:**

- EXISTING ASPHALT PAVING
- EXISTING CONCRETE AREA
- POROUS PAVE AREA
- PORTLAND CEMENT CONCRETE AREA
- 4.396 EXISTING CONTOUR
- 96 PROPOSED CONTOUR
- (E) EXISTING
- 4.396-0.3 EXISTING SPOT ELEVATION
- CURB AND GUTTER (DASHED IF EXISTING)
- POST CURB (DASHED IF EXISTING)
- MANHOLE (DASHED IF EXISTING)
- TYPE 4-R CATCH BASIN (DASHED IF EXISTING)
- STORM DRAIN (DASHED IF EXISTING)
- TYPE 3 CATCH BASIN (DASHED IF EXISTING)
- YARD DRAIN (DASHED IF EXISTING)
- SITE LIGHT (DASHED IF EXISTING)
- GRADE BREAK
- 2.0% SLOPE IN PERCENT
- 96.43 ELEVATION @ FINISH GRADE
- 92.50 ELEVATION @ TOP OF CURB
- 96.43 ELEVATION @ GRADE BREAK
- 96.43 ELEVATION @ FLOW LINE
- FF=96.50 ELEVATION @ FINISH FLOOR
- EXT.FG=96.00 ELEVATION @ EXTERIOR FINISH GRADE
- PAD=94.00 ELEVATION @ PAD GRADE
- SAWCUT LINE



REV.	DATE	DESCRIPTION	BY	APP'D

DATE: FEB 4, 2021  
 DRAWN BY: ACAD 20  
 DESIGNED BY: TCT  
 CHECKED BY: FAB

VICTORIAN AVE. INFRASTRUCTURE  
 IMPROVEMENTS SECTION 4  
 CIVIL GRADING PLAN

SPARKS WASHOE NEVADA

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431  
 (775) 399-3363 FAX: (775) 399-3364  
 ODYSSEY-RENO.COM

**odyssey** ENGINEERING INCORPORATED

PROFESSIONAL ENGINEER - STATE OF NV  
 FRANK A. BIDART  
 Exp. 12-31-22  
 CIVIL  
 No. 10504

SCALE  
 HORIZ. 1"=10'  
 VERT. —

JOB NO.  
 4273

SHEET  
 6  
 OF  
 15

LOTS 6-10  
 T.M. 106  
 ITALIAN CAPITAL, LLC.

R.S. 6012  
 SWD-QUARRY ATRIUM, LLC.

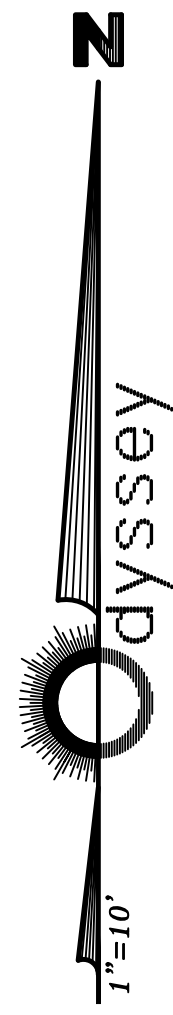
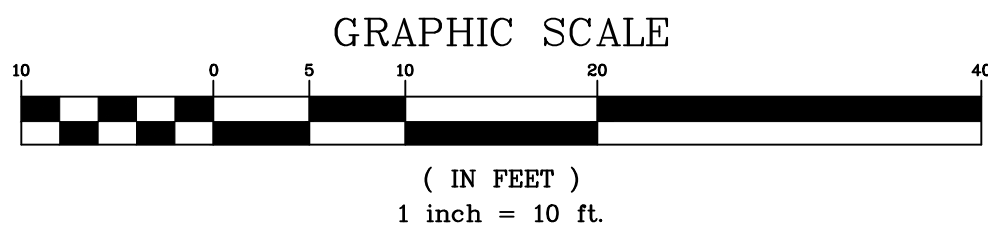
R.S. 4856  
 RASTELLI BURGARELLO, LLC.

VICTORIAN AVENUE  
 (DEDICATED TO THE CITY OF SPARKS)

15TH STREET  
 (DEDICATED TO THE CITY OF SPARKS)

REF. SHEET 7



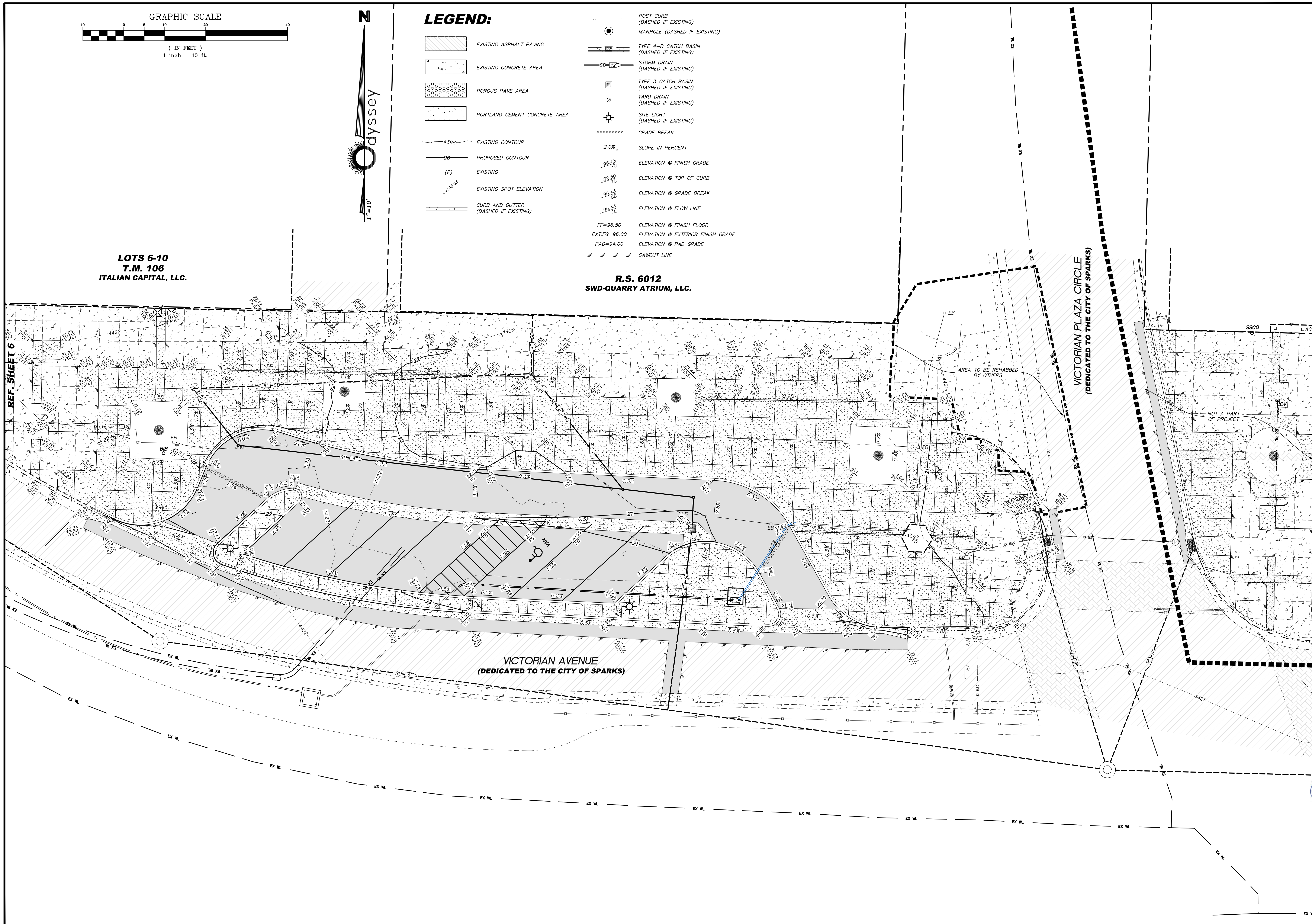


**LEGEND:**

- EXISTING ASPHALT PAVING
- EXISTING CONCRETE AREA
- POROUS PAVE AREA
- PORTLAND CEMENT CONCRETE AREA
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING
- EXISTING SPOT ELEVATION
- CURB AND GUTTER (DASHED IF EXISTING)
- POST CURB (DASHED IF EXISTING)
- MANHOLE (DASHED IF EXISTING)
- TYPE 4-R CATCH BASIN (DASHED IF EXISTING)
- STORM DRAIN (DASHED IF EXISTING)
- TYPE 3 CATCH BASIN (DASHED IF EXISTING)
- YARD DRAIN (DASHED IF EXISTING)
- SITE LIGHT (DASHED IF EXISTING)
- GRADE BREAK
- 2.0% SLOPE IN PERCENT
- ELEVATION @ FINISH GRADE
- ELEVATION @ TOP OF CURB
- ELEVATION @ GRADE BREAK
- ELEVATION @ FLOW LINE
- FF=96.50 ELEVATION @ FINISH FLOOR
- EXT.FG=96.00 ELEVATION @ EXTERIOR FINISH GRADE
- PAD=94.00 ELEVATION @ PAD GRADE
- SAWCUT LINE

**LOTS 6-10  
T.M. 106  
ITALIAN CAPITAL, LLC.**

**R.S. 6012  
SWD-QUARRY ATRIUM, LLC.**



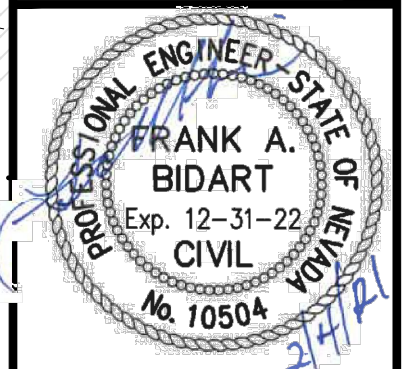
REV.	DATE	DESCRIPTION	BY	APP'D

DATE: FEB 4, 2021  
 DRAWN BY: ACAD\_20  
 DESIGNED BY: TGP  
 CHECKED BY: FAB

**VICTORIAN AVE. INFRASTRUCTURE  
IMPROVEMENTS SECTION 4  
CIVIL GRADING PLAN**

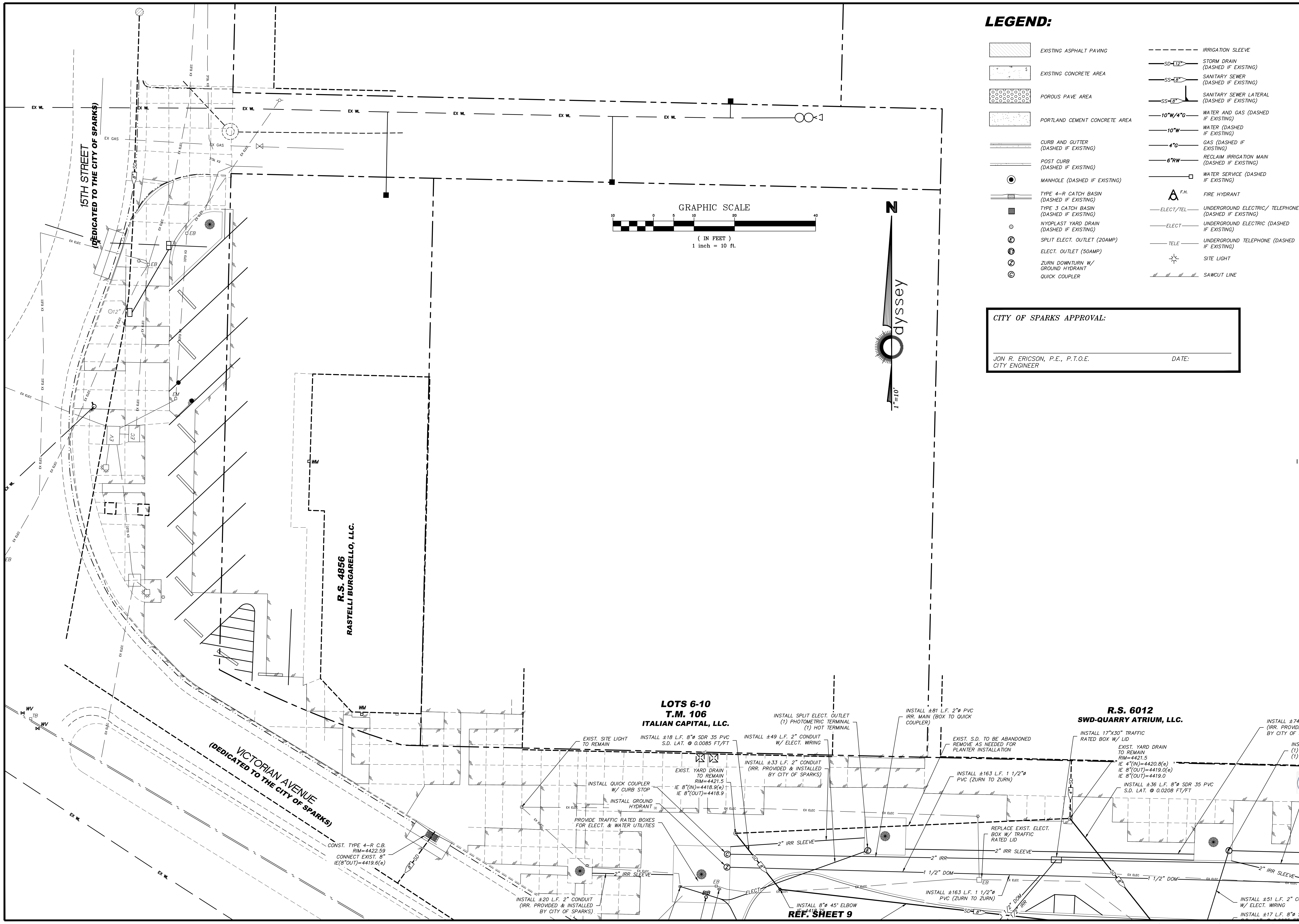
SPARKS WASHOE NEVADA

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431  
 (775) 399-3363 FAX: ODYSSEY-RENO.COM  
 ODYSSEY ENGINEERING INCORPORATED



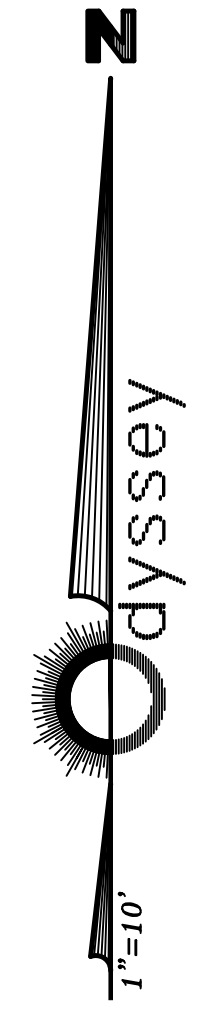
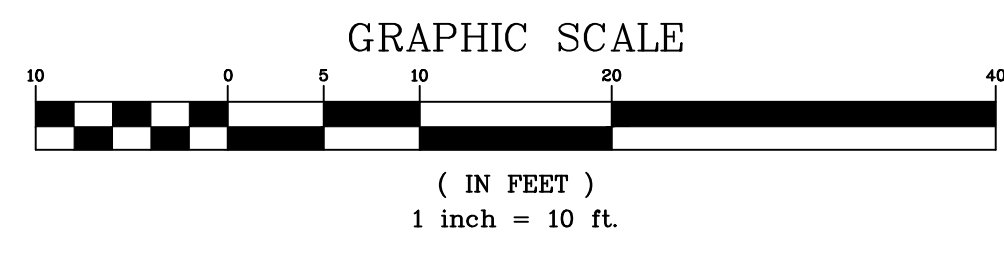
SCALE  
 HORIZ. 1"=10'  
 VERT. —  
 JOB NO. 4273  
 SHEET 7 OF 15





**LEGEND:**

- EXISTING ASPHALT PAVING
- EXISTING CONCRETE AREA
- POROUS PAVE AREA
- PORTLAND CEMENT CONCRETE AREA
- CURB AND GUTTER (DASHED IF EXISTING)
- POST CURB (DASHED IF EXISTING)
- MANHOLE (DASHED IF EXISTING)
- TYPE 4-R CATCH BASIN (DASHED IF EXISTING)
- TYPE 3 CATCH BASIN (DASHED IF EXISTING)
- NYOPLAST YARD DRAIN (DASHED IF EXISTING)
- SPLIT ELECT. OUTLET (20AMP)
- ELECT. OUTLET (50AMP)
- ZURN DOWNTURN W/ GROUND HYDRANT
- QUICK COUPLER
- IRRIGATION SLEEVE
- STORM DRAIN (DASHED IF EXISTING)
- SANITARY SEWER (DASHED IF EXISTING)
- SANITARY SEWER LATERAL (DASHED IF EXISTING)
- WATER AND GAS (DASHED IF EXISTING)
- WATER (DASHED IF EXISTING)
- GAS (DASHED IF EXISTING)
- RECLAIM IRRIGATION MAIN (DASHED IF EXISTING)
- WATER SERVICE (DASHED IF EXISTING)
- FIRE HYDRANT
- ELECT/TEL UNDERGROUND ELECTRIC/ TELEPHONE (DASHED IF EXISTING)
- ELECT UNDERGROUND ELECTRIC (DASHED IF EXISTING)
- TELE UNDERGROUND TELEPHONE (DASHED IF EXISTING)
- SITE LIGHT
- SAWCUT LINE



**CITY OF SPARKS APPROVAL:**

JON R. ERICSON, P.E., P.T.O.E. DATE: \_\_\_\_\_  
CITY ENGINEER

REV.	DATE	DESCRIPTION	BY	APP'D

DATE: FEB 4, 2021  
DRAWN BY: ACAD 20  
DESIGNED BY: TJC  
CHECKED BY: FAB

**VICTORIAN AVE. INFRASTRUCTURE IMPROVEMENTS SECTION 4 CIVIL UTILITY PLAN**

SPARKS WASHOE NEVADA

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431  
(775) 399-3667 FAX (775) 399-3668  
ODYSSEY-RENO.COM

**Odyssey ENGINEERING INCORPORATED**

PROFESSIONAL ENGINEER - STATE OF NV  
FRANK A. BIDART  
Exp. 12-31-22  
CIVIL  
No. 10504

SCALE  
HORIZ. 1"=10'  
VERT. \_\_\_\_\_

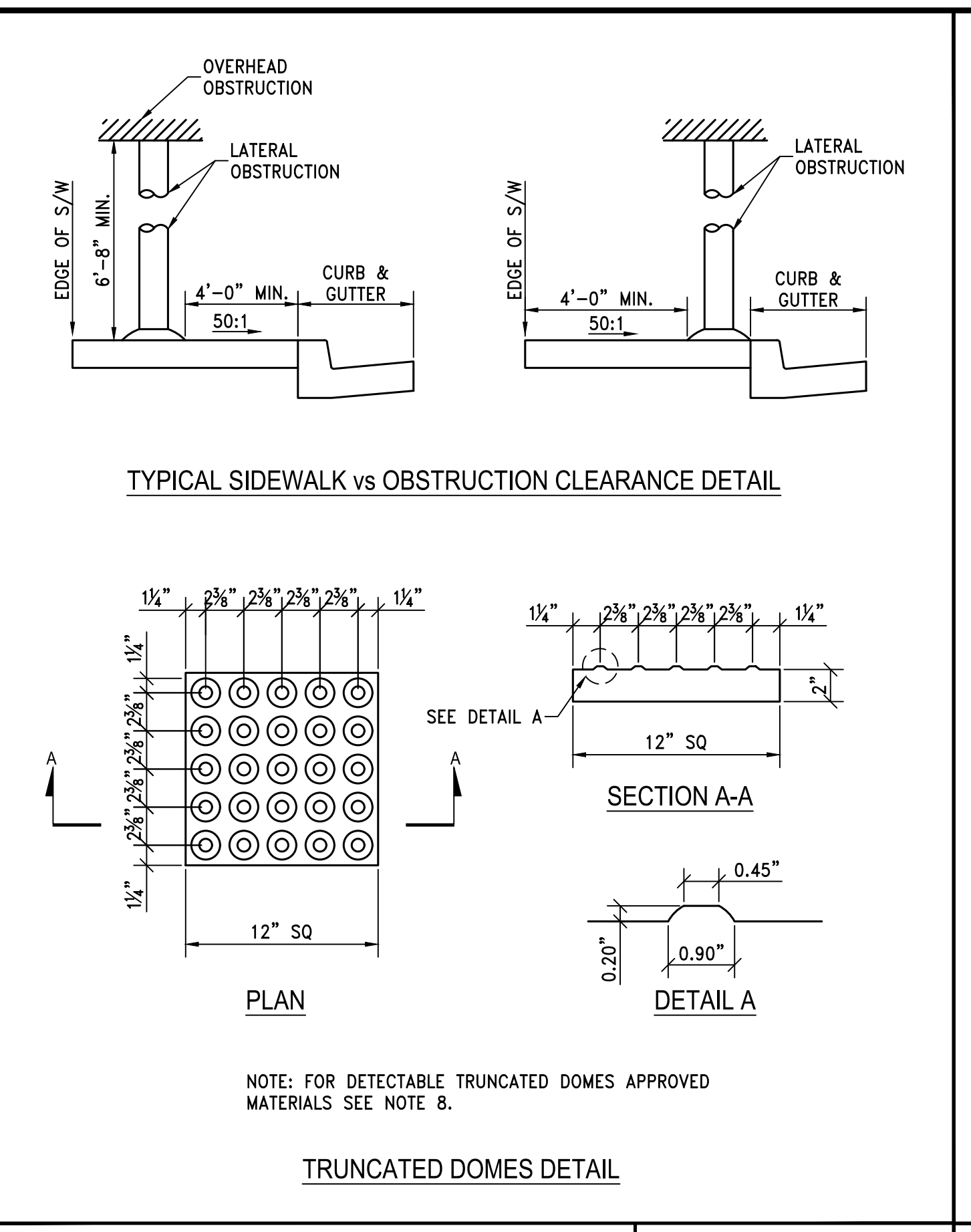
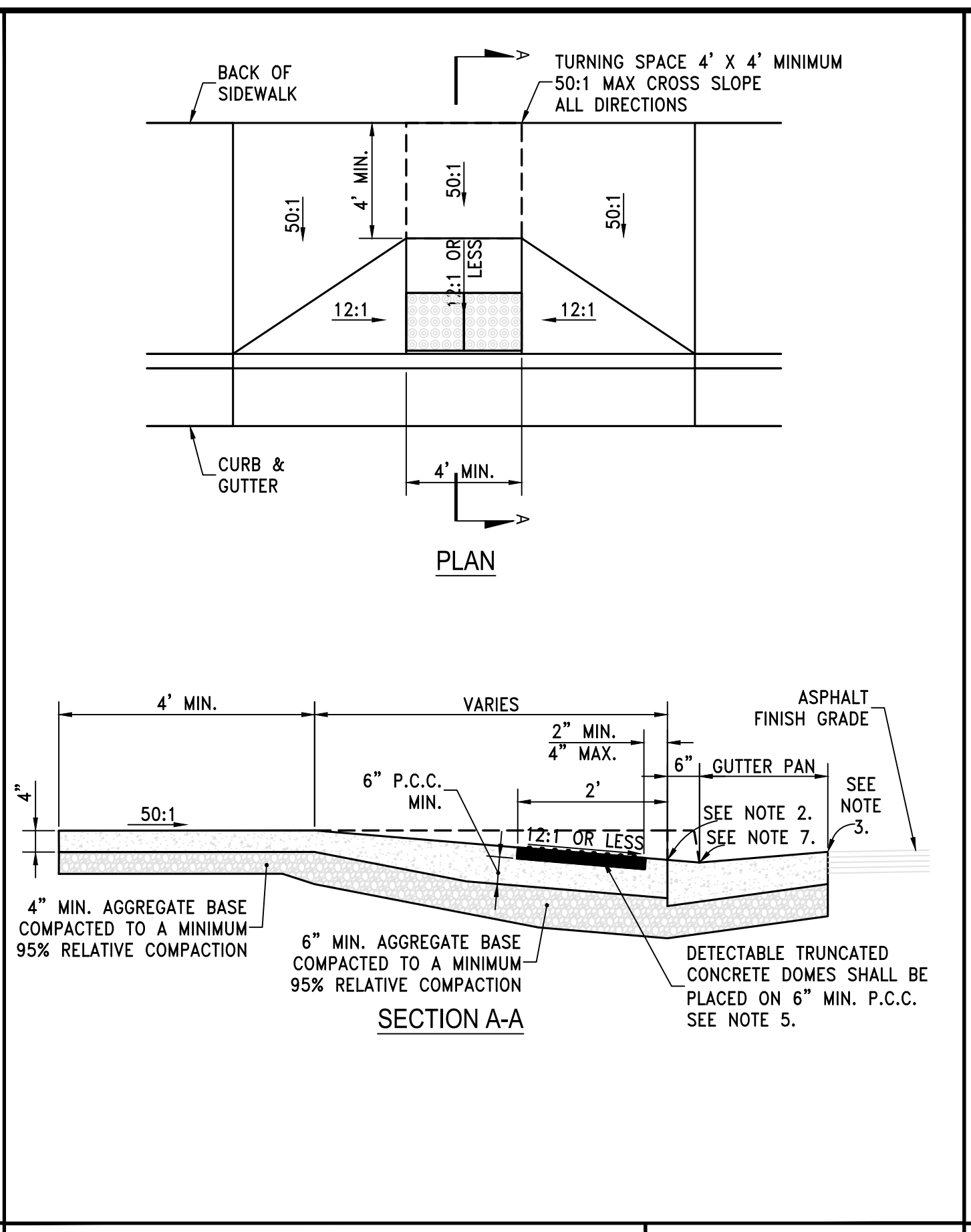
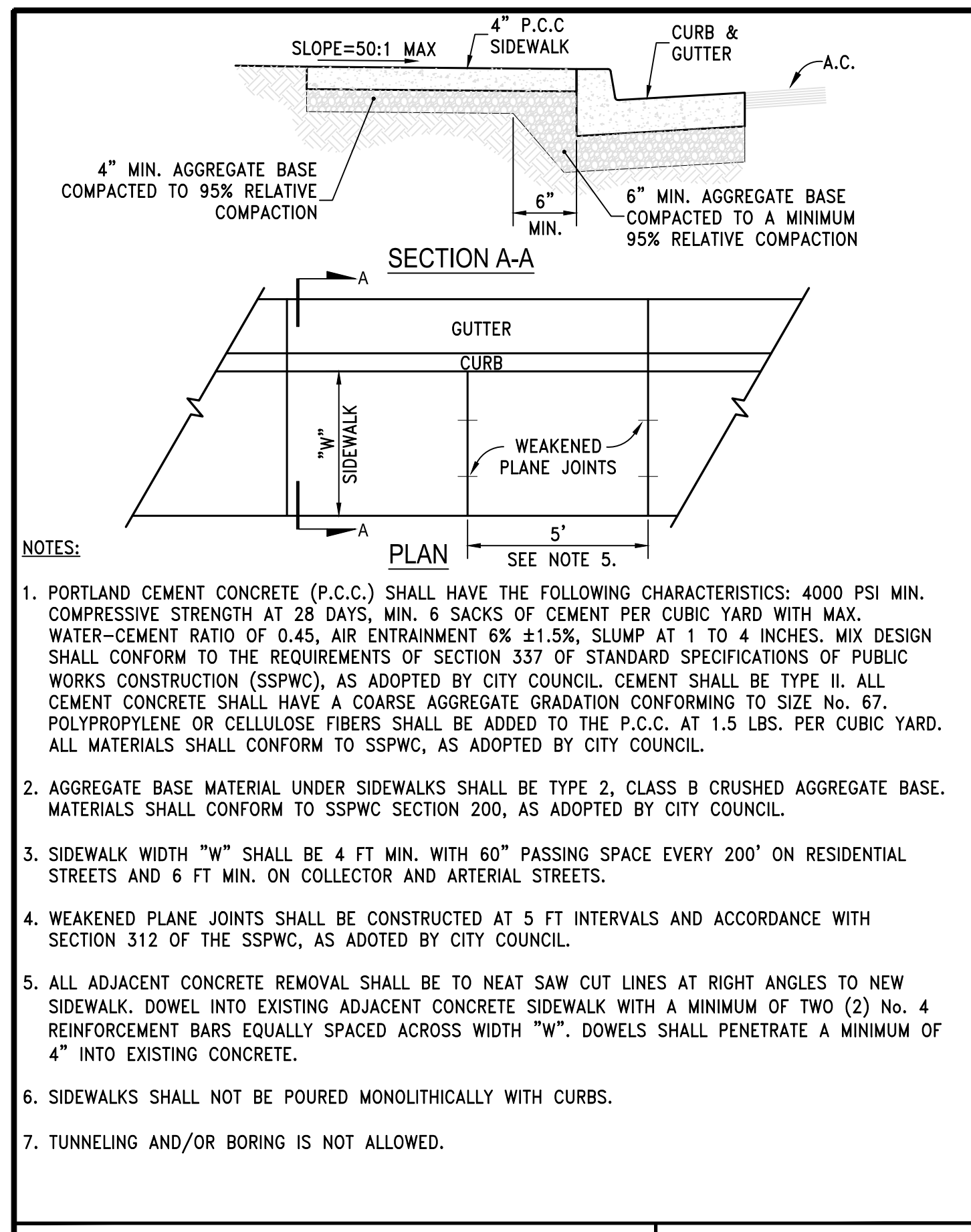
JOB NO. 4273

SHEET 8 OF 15









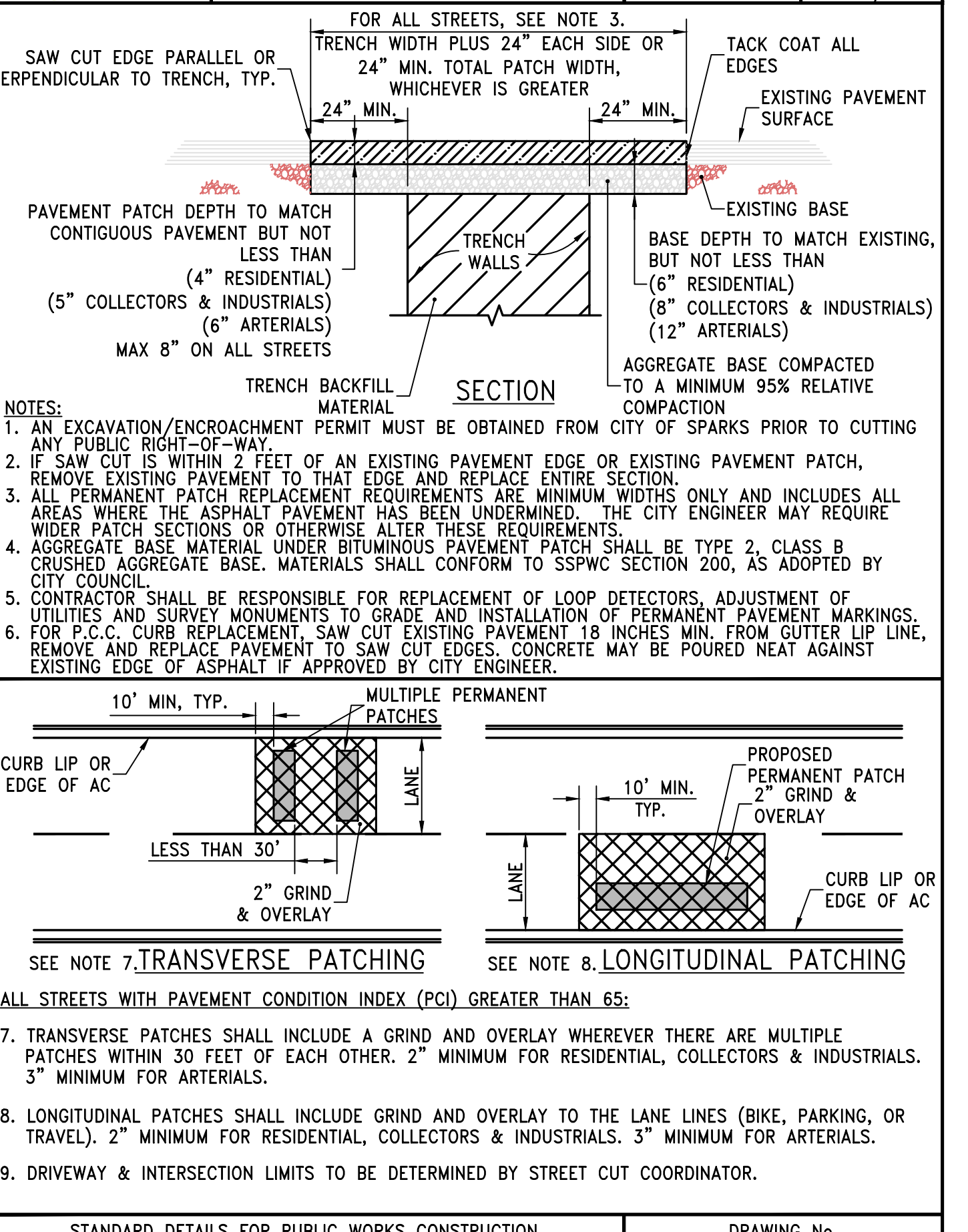
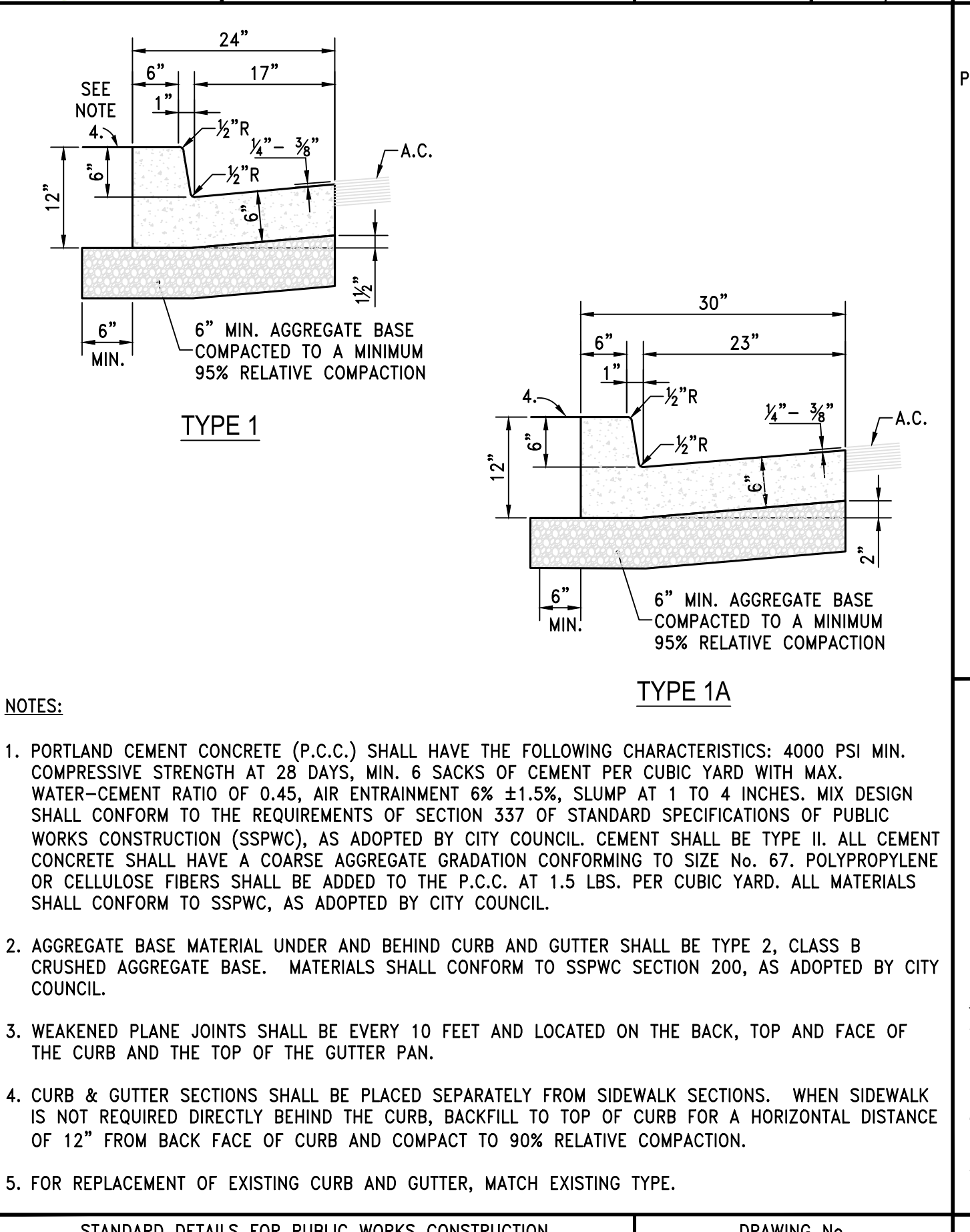
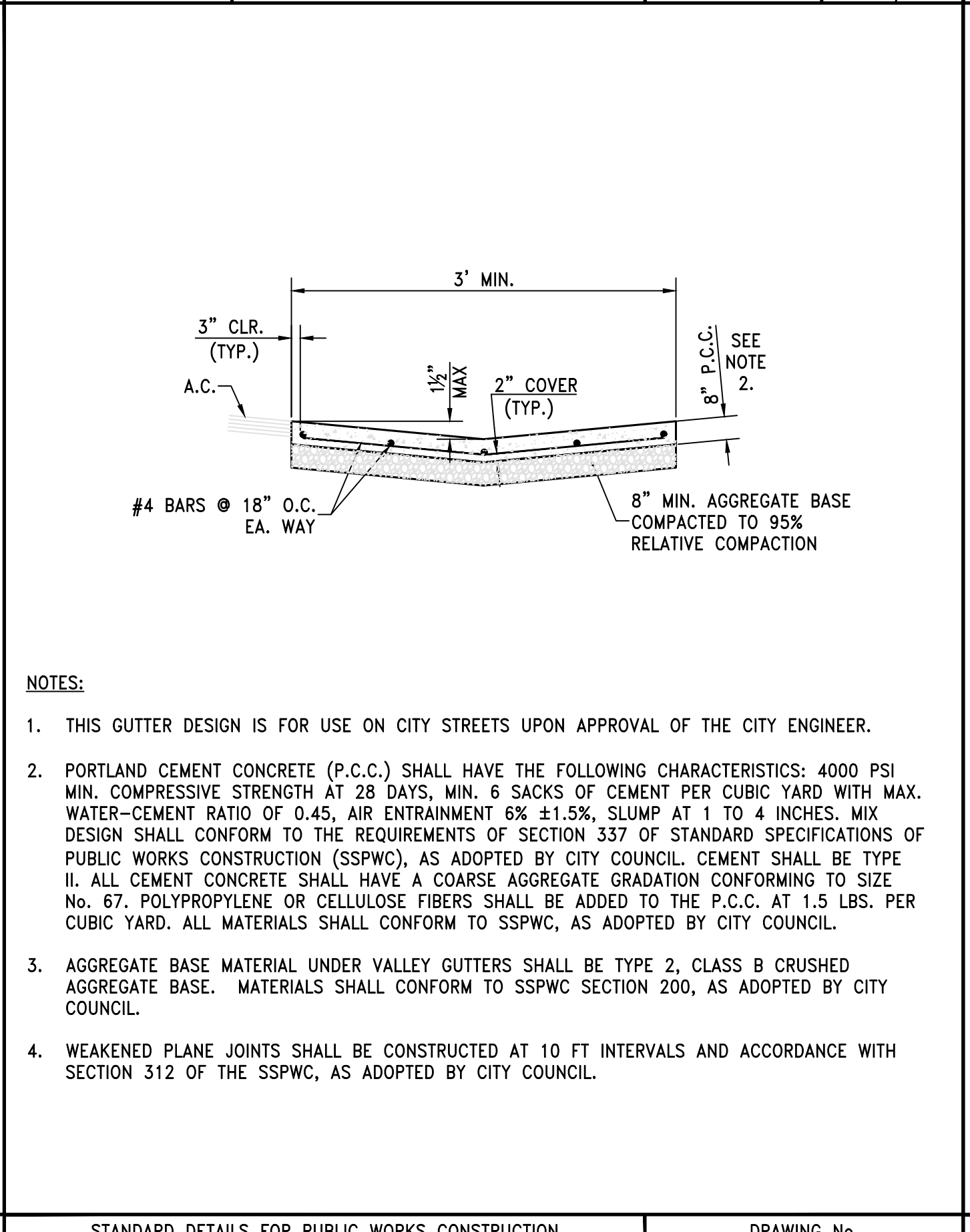
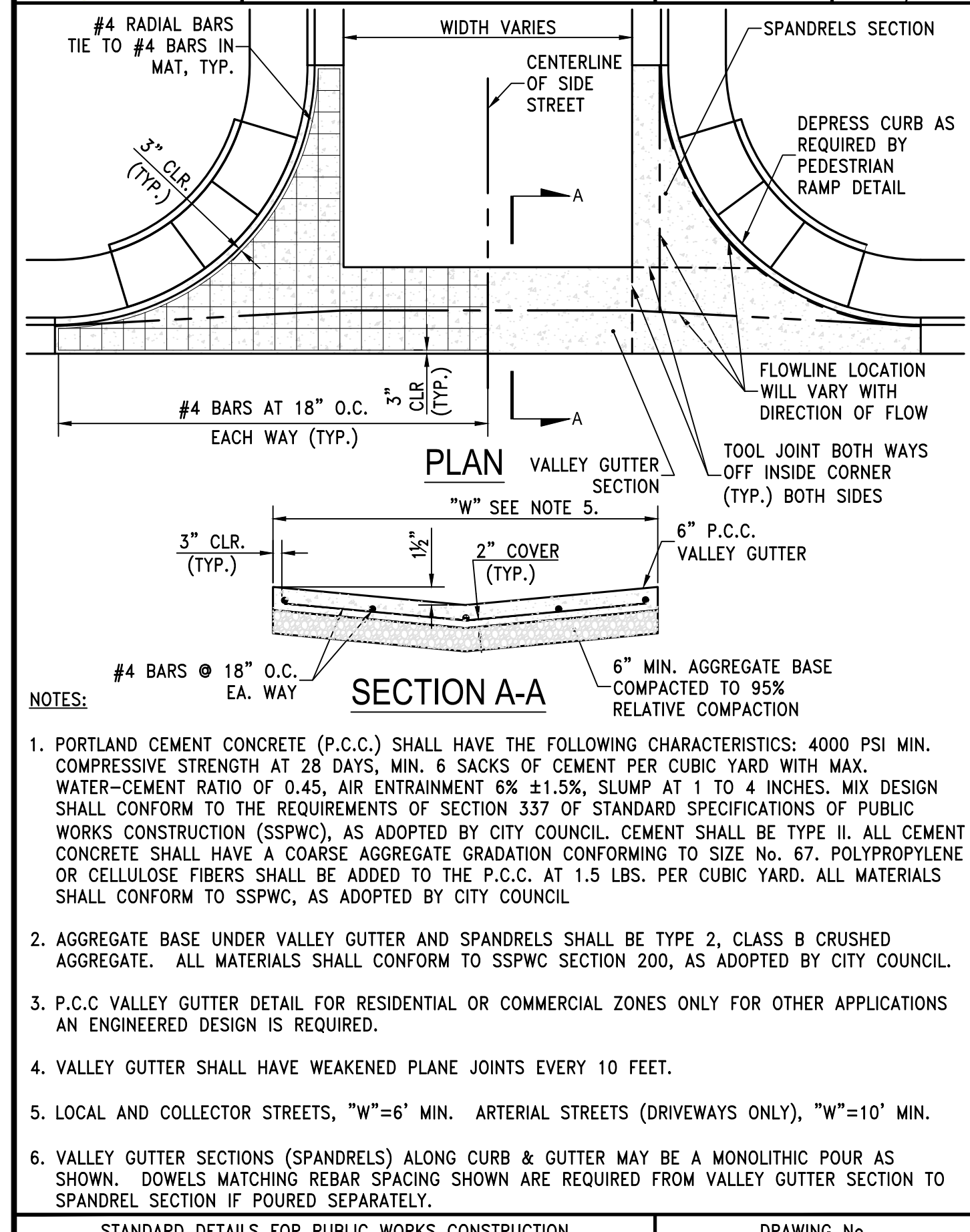
1. STORM DRAIN INLETS OR SIMILAR ACCESSES SHALL NOT BE LOCATED IN THE AREA AT THE BASE OF THE CURB RAMP OR LANDING AREA. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, PULL BOXES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL OF THE CITY ENGINEER.
2. NO LIP SHALL BE PERMITTED AT THE CURB RAMP SLOPE TO GUTTER PAN.
3. PLANTMIX BITUMINOUS SURFACE SHALL BE FLUSH WITH THE EDGE OF THE GUTTER PAN IN THE AREA OF THE CURB RAMP.
4. ROUGH BROOM TEXTURE ON CURB RAMPS AND WINGS.
5. DETECTABLE WARNING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SHALL BE PLACED ON MIN. SIX (6") INCHES OF P.C.C.
6. ALL SLOPE RATES ARE RELATIVE TO LEVEL AND SHALL COMPLY WITH THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) STANDARDS.
7. GUTTER SHALL MAINTAIN POSITIVE DRAINAGE TO PREVENT PONDING.
8. DETECTABLE WARNING SHALL CONSIST OF PRECAST WETSET TILES WITH MIN. SIZE OF 2' X 2', COLOR YELLOW. APPROVED PRODUCTS INCLUDE: "CAST-TACT 3", "TEKWAY DOME-TILES" AND "ACCESS TILE". DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN (EXCLUDING ANY FLARED SIDES), BLENDED TRANSITION, OR TURNING SPACE. DETECTABLE WARNING SHALL BE CONSTRUCTED PER MANUFACTURER'S INSTALLATION GUIDELINES AND CONFORM TO ADAAG.
9. CONCRETE REMOVAL SHALL BE TO NEAT SAW CUT LINES
10. AGGREGATE BASE MATERIAL UNDER PEDESTRIAN RAMPS SHALL BE TYPE 2, CLASS B CRUSHED AGGREGATE BASE. MATERIALS SHALL CONFORM TO SSPWC SECTION 200, AS ADOPTED BY CITY COUNCIL.
11. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX. WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE NO. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.
12. CONTRACTORS SHALL CORRECT ANY GRADE CONFLICT WITH EXISTING BOXES. THE CITY ENGINEER SHALL MAKE THE FINAL DETERMINATION REGARDING THE DEGREE OF MODIFICATIONS REQUIRED BY THE CONTRACTOR FOR GRADE CONFLICTS BETWEEN EXISTING BOXES AND NEW PEDESTRIAN RAMPS.
13. SIDEWALK AT BOTH SIDES OF RAMP MAY BE RECONSTRUCTED TO MINIMIZE THE GRADE AT A HORIZONTAL DISTANCE TO BE DETERMINED IN THE FIELD, UPON APPROVAL OF THE CITY ENGINEER, SUBJECT TO PROWAG REQUIREMENTS. CURB AT THE BACK OF WALK MAY BE NEEDED. A TRANSITION SECTION OF SIDEWALK MAY BE NECESSARY TO MATCH CROSS SLOPE OF EXISTING SIDEWALK TO PEDESTRIAN RAMP IMPROVEMENTS. TRANSITION SECTIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>SIDEWALK DETAIL</b>	<b>S-103</b>
APPROVED BY: JE	DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>PEDESTRIAN RAMP MIDBLOCK - TYPE 2</b>	<b>S-106E</b>
APPROVED BY: JE	DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>PEDESTRIAN RAMP - DETAILS</b>	<b>S-106F</b>
APPROVED BY: JE	DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>NOTES - PEDESTRIAN RAMP</b>	<b>S-106G</b>
APPROVED BY: JE	DATE: 1/2020



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>P.C.C. VALLEY GUTTER</b>	<b>S-107</b>
APPROVED BY: JE	DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>LONGITUDINAL P.C.C. VALLEY GUTTER</b>	<b>S-108</b>
APPROVED BY: JE	DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>P.C.C. CURB &amp; GUTTER</b>	<b>S-109</b>
APPROVED BY: JE	DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>PERMANENT BITUMINOUS PAVEMENT PATCH</b>	<b>S-115</b>
APPROVED BY: JE	DATE: 1/2020

**CITY OF SPARKS APPROVAL:**

JOHN R. ERICSON, P.E., P.T.O.E. DATE:

CITY ENGINEER

SCALE	HORIZ. —	VERT. —
JOB NO.	4273	
SHEET	10 OF 15	

VICTORIAN AVE. INFRASTRUCTURE IMPROVEMENTS SECTION 4 CIVIL DETAILS

DATE: FEB 4, 2021  
DRAWN BY: ACAD 20  
DESIGNED BY: TJC  
CHECKED BY: FAB

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431  
(775) 399-3003 FAX: (775) 399-3000  
ONYSSE@ONYSSE-NEVADA.COM

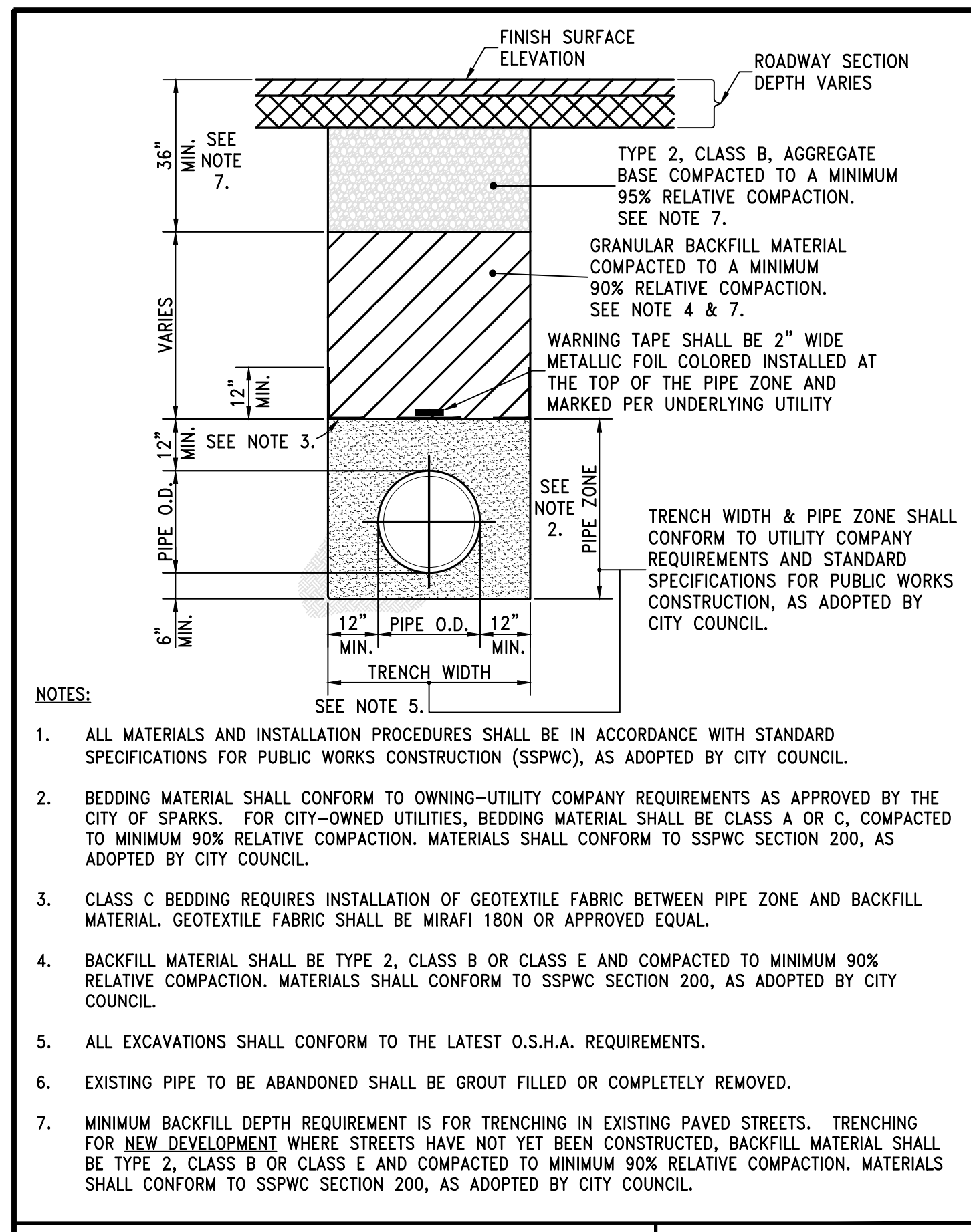
dysssey ENGINEERING INCORPORATED

PROFESSIONAL ENGINEER - STATE OF NV  
FRANK A. BIDART  
CIVIL  
Exp. 12-31-22  
No. 10504

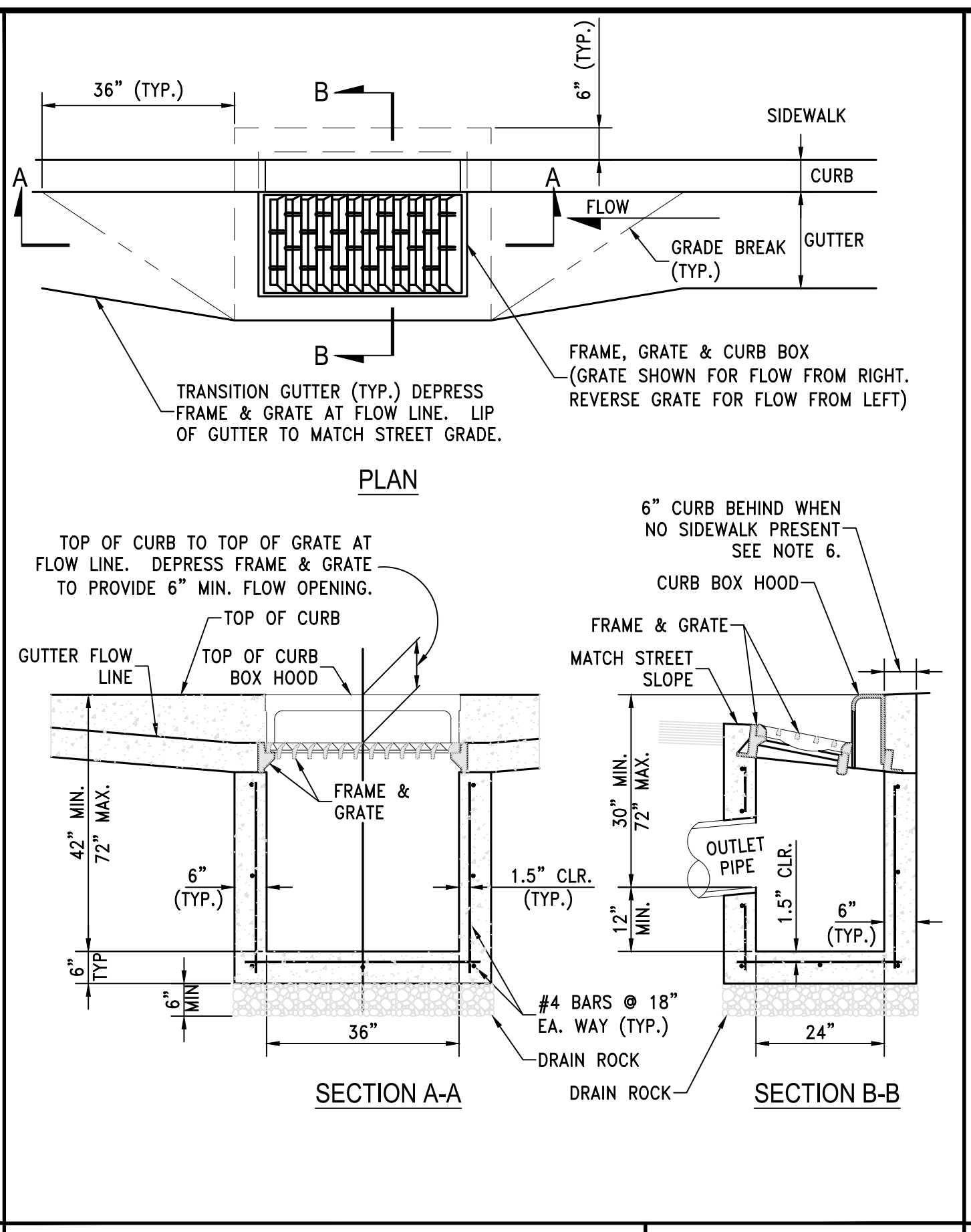
SPARKS WASHOE NEVADA

February 4, 2021 - 16:49 Dwg Name: h:\victorian avenue rehab\production drawings\Civil Details.dwg Updated By: Travis





STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>TRENCH EXCAVATION/BACKFILL</b>	<b>S-117</b>
APPROVED BY: JE	DATE: 1/2020

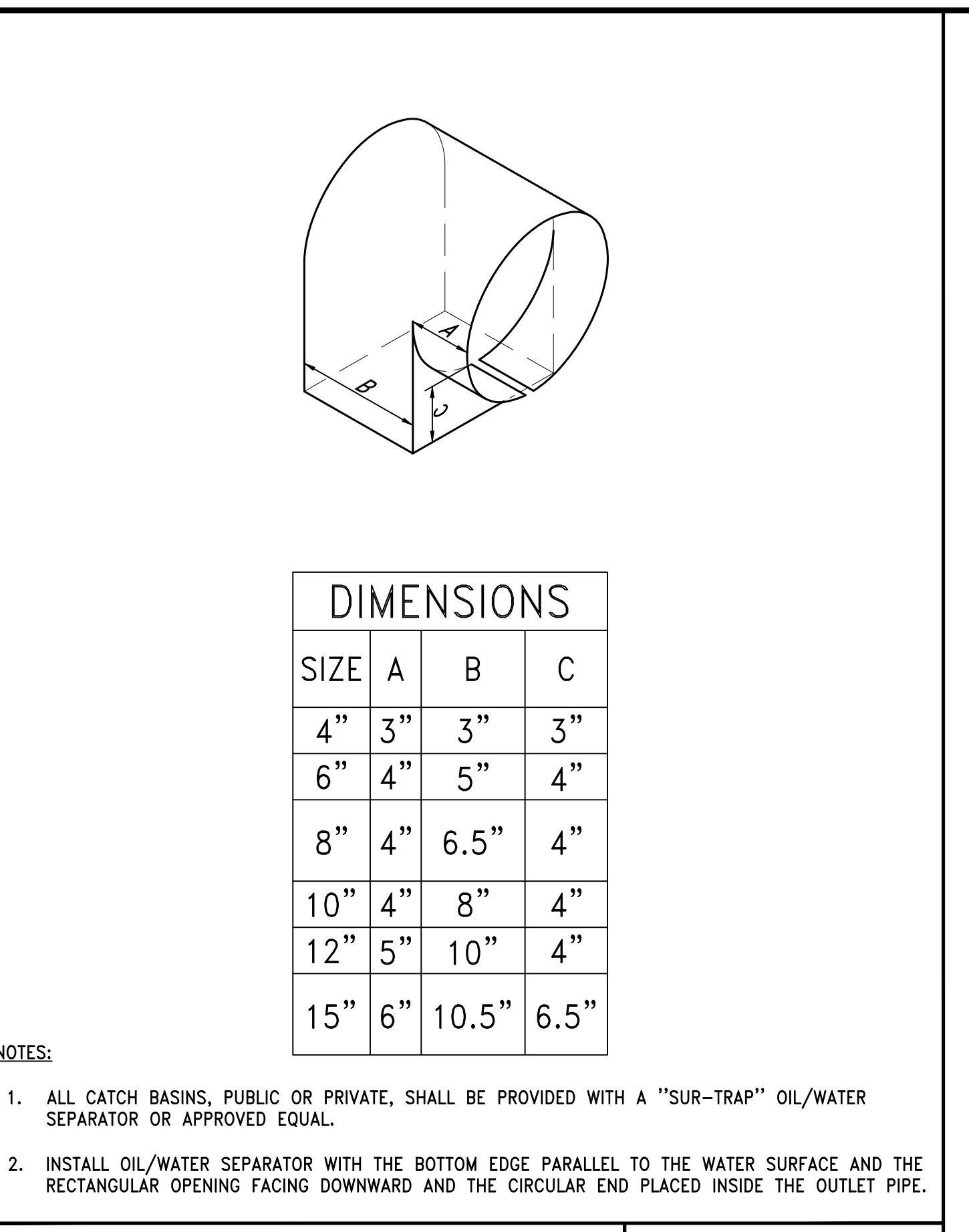


STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>CATCH BASIN TYPE 4-R</b>	<b>S-204A</b>
APPROVED BY: JE	DATE: 1/2020

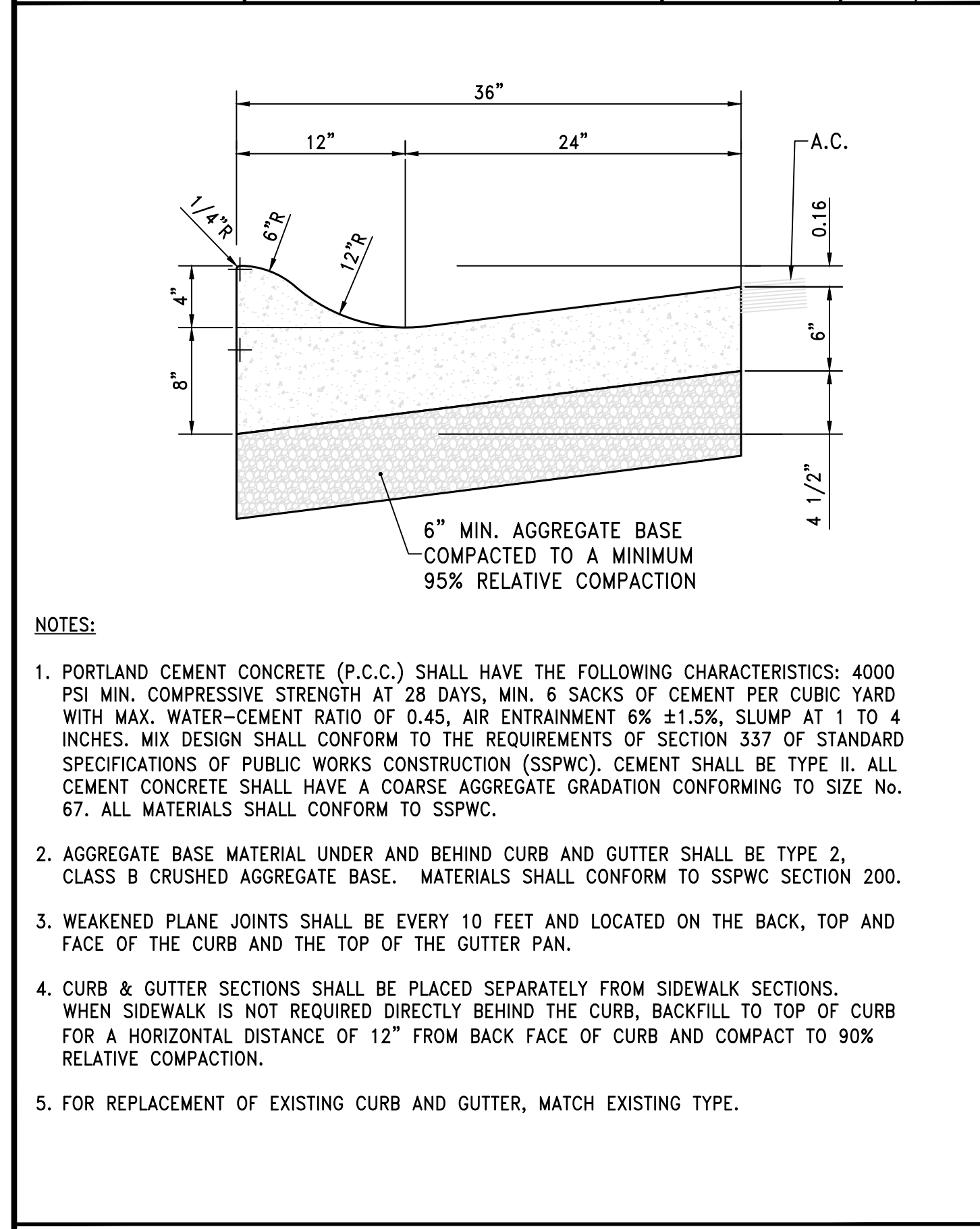
**NOTES:**

- P.C.C CURB AND GUTTER TRANSITION SHALL BE PORTLAND CEMENT CONCRETE (P.C.C.) AND SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX. WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE No. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.
- REINFORCING STEEL SHALL BE GRADE 40 AND HAVE 1.5" MINIMUM CLEAR COVER.
- CONCRETE STRUCTURE MAY BE A CAST-IN-PLACE CONCRETE UNIT UPON APPROVAL OF THE CITY ENGINEER. BASE OF CAST-IN-PLACE CONCRETE UNIT SHALL BE PLACED ON 6" COMPACTED DRAIN ROCK.
- FRAME, GRATE AND CURB BOX HOOD ASSEMBLY SHALL BE D&L I-3519 WITH TYPE L "VANE GRATE" OR APPROVED EQUAL. GRATE SHALL BE INSTALLED WITH PROPER FLOW DIRECTION. EACH CATCH BASIN SHALL BE CAST WITH A FISH IMAGE AND THE WORDS "NO DUMPING! DRAINS TO RIVERS" IN THE TOP OF EACH CURB HOOD.
- TILT FRAME & GRATE AS REQUIRED TO ATTAIN 6" MIN. FLOW OPENING & INSTALL DURABLE SHIMS BETWEEN THE CURB BOX & FRAME AS REQUIRED TO MATCH CURB BOX TO TOP OF CURB AND FACE OF CURB (SEE SECTION B-B).
- WHEN SIDEWALK IS PRESENT CONCRETE BEHIND CURB BOX SHALL BE THICKENED TO THE FULL DEPTH OF THE CURB BOX. IF NO SIDEWALK IS PRESENT, POUR 6" CONCRETE CURB STRUCTURE BEHIND GRATE AND TIE BEAM INTO BOX.
- ALL CATCH BASINS, PUBLIC OR PRIVATE, SHALL BE PROVIDED WITH A "SUR-TRAP" OIL/WATER SEPARATOR OR APPROVED EQUAL.
- FRAMES AND GRATES SHALL BE MATCHED TO ACHIEVE A CLOSE TOLERANCE FIT WITH MINIMAL GAPS.
- CATCH BASIN SHALL NOT BE PLACED WITHIN THE RADIUS OF THE CURB UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

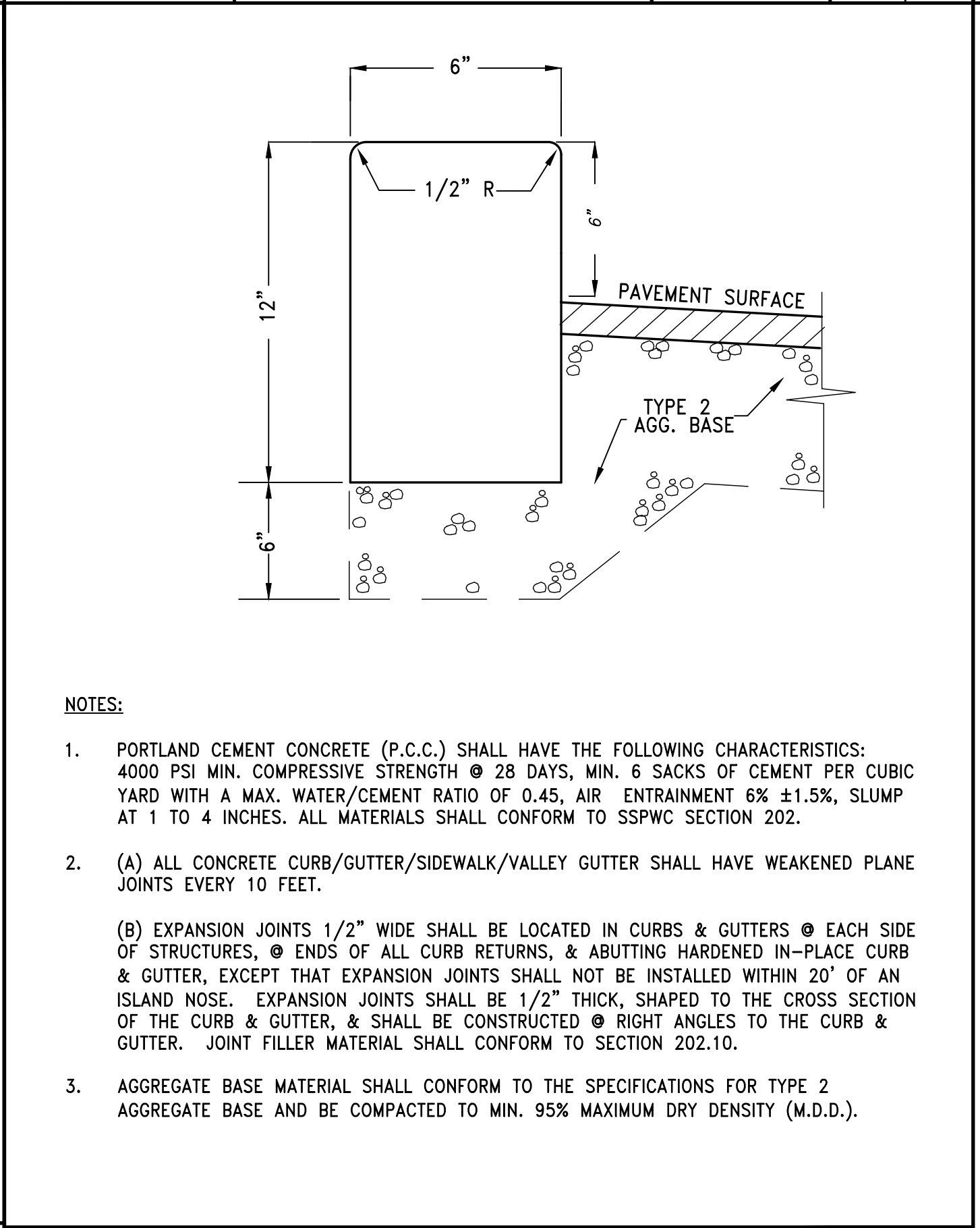
STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>NOTES - CATCH BASIN TYPE 4-R</b>	<b>S-204B</b>
APPROVED BY: JE	DATE: 1/2020



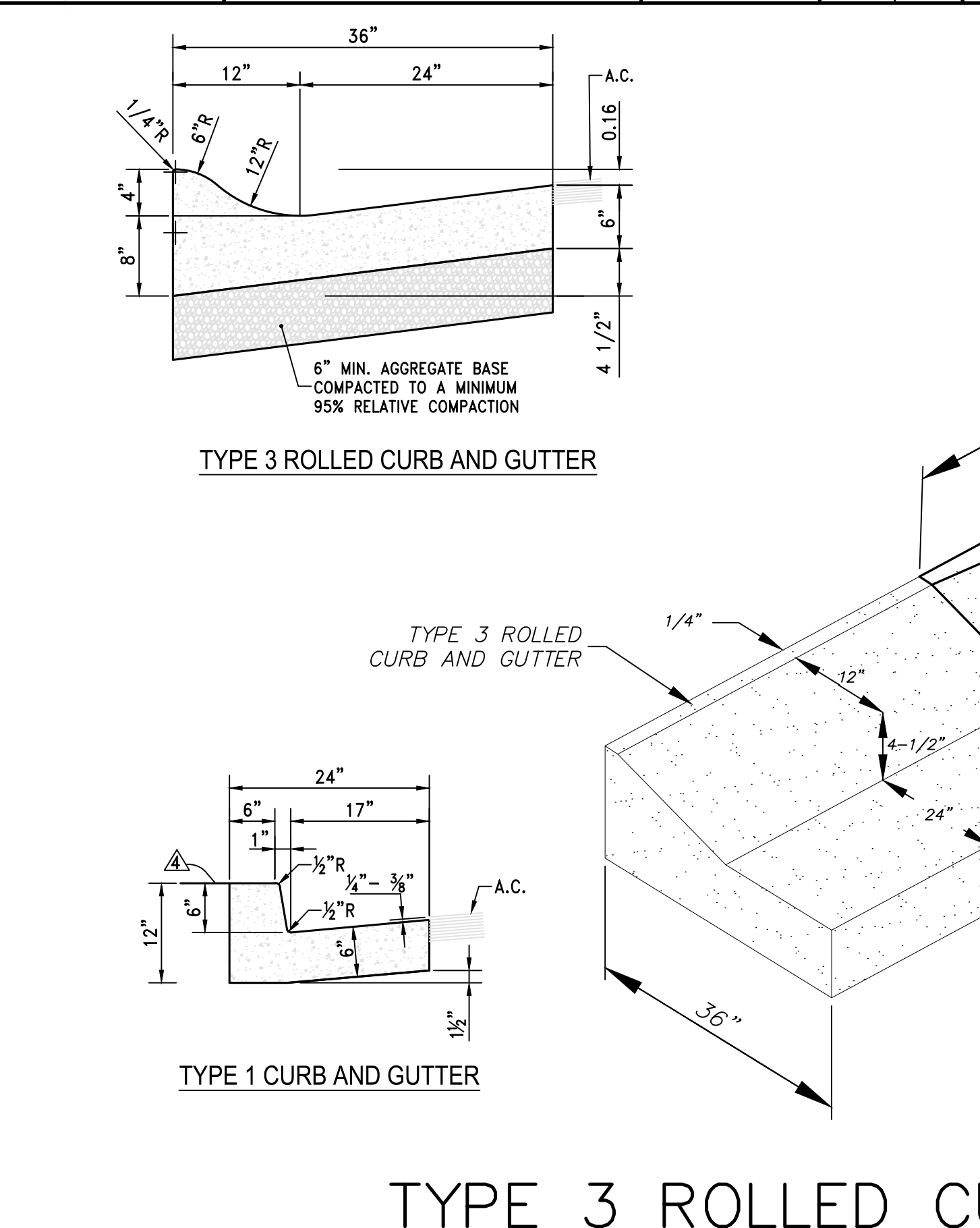
STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
<b>CATCH BASIN OIL/WATER SEPARATOR</b>	<b>S-208</b>
APPROVED BY: JE	DATE: 1/2020



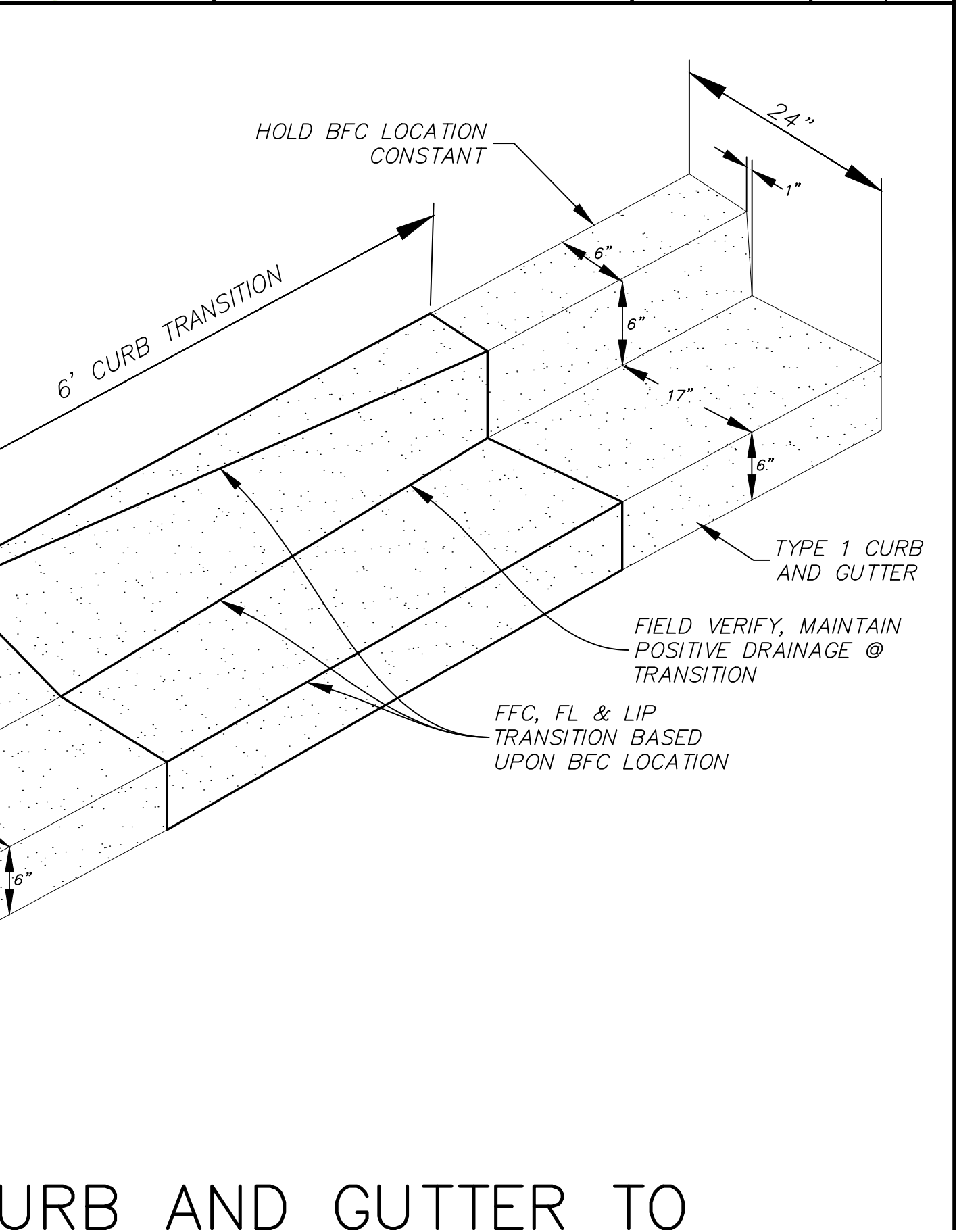
**TYPE 3 ROLL CURB & GUTTER**



**TYPE 2 P.C.C. POST CURB**



**TYPE 3 ROLLED CURB AND GUTTER TO TYPE 1 CURB AND GUTTER TRANSITION**



**TYPE 3 ROLLED CURB AND GUTTER TO TYPE 1 CURB AND GUTTER TRANSITION**

CITY OF SPARKS APPROVAL:	
JOHN R. ERICSON, P.E., P.T.O.E. CITY ENGINEER	DATE:

SCALE	HORIZ.	VERT.
JOB NO.	4273	
SHEET	11 OF 15	

DATE: FEB 4, 2021	DRAWN BY: ACAD 20	DESIGNED BY: TGP	CHECKED BY: FAB
-------------------	-------------------	------------------	-----------------

REV.	DATE	DESCRIPTION

VICTORIAN AVE. INFRASTRUCTURE IMPROVEMENTS SECTION 4 CIVIL DETAILS

SPARKS NEVADA

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431  
(775) 399-3663 FAX: (775) 399-3664  
ODYSSEY-RENO.COM

**odyssey ENGINEERING INCORPORATED**

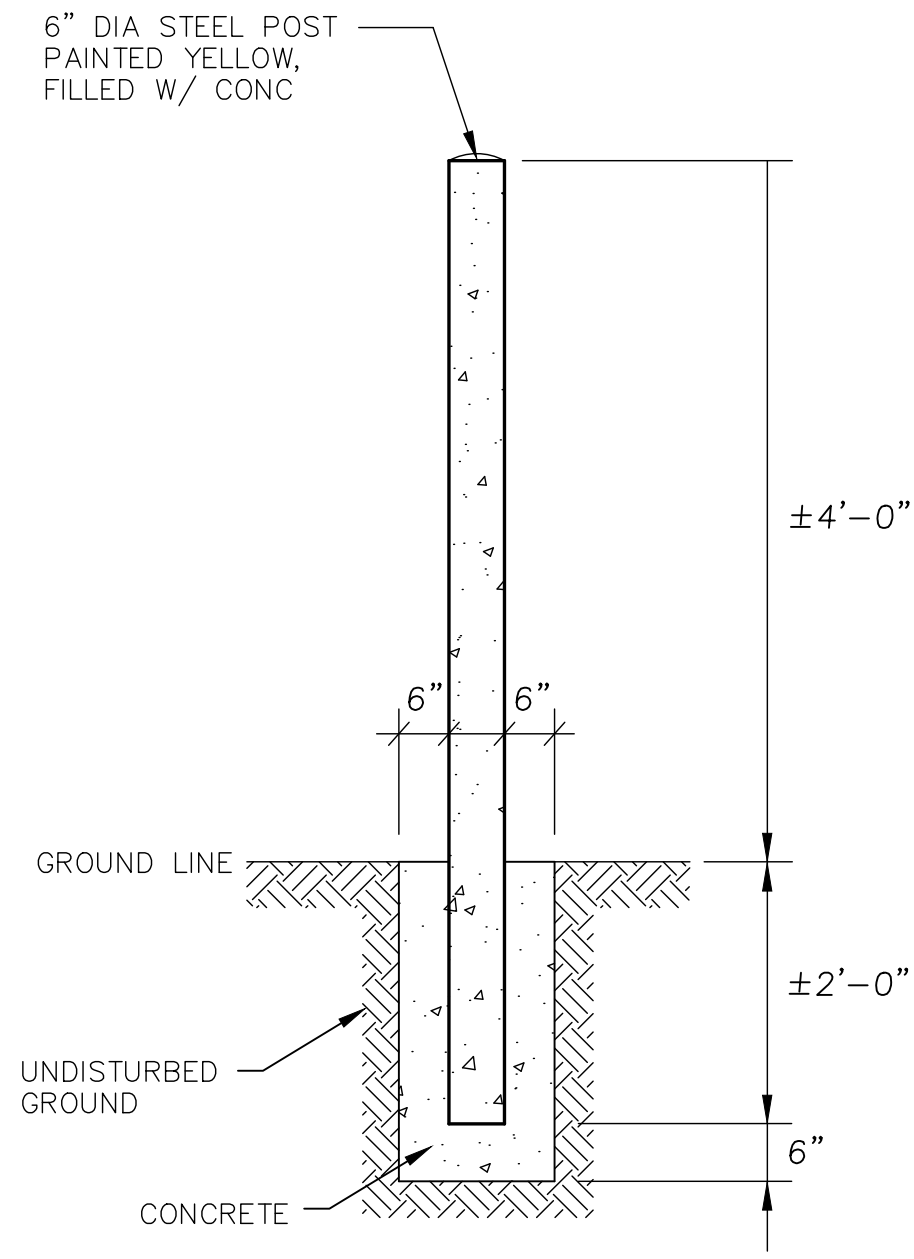
PROFESSIONAL ENGINEER - STATE OF NV  
**FRANK A. BIDART**  
Exp. 12-31-22  
CIVIL  
No. 10504

SCALE  
HORIZ. -  
VERT. -  
JOB NO. 4273  
SHEET 11 OF 15









BOLLARD DETAIL

REV.	DATE	DESCRIPTION	BY	APP'D

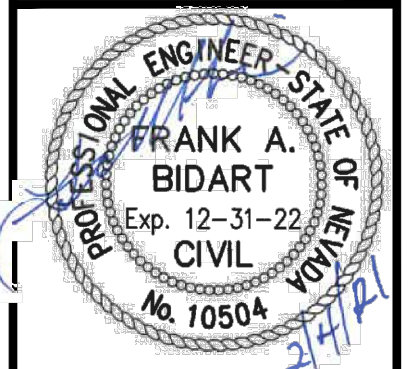
DATE: FEB 4, 2021  
 DRAWN BY: ACAD 20  
 DESIGNED BY: TCP  
 CHECKED BY: FAB

VICTORIAN AVE. INFRASTRUCTURE  
 IMPROVEMENTS SECTION 4  
 CIVIL DETAILS

SPARKS WASHOE NEVADA

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431  
 (775) 399-3363 FAX: (775) 399-3364  
 ODYSSEY-RENO.COM

**odyssey** ENGINEERING INCORPORATED

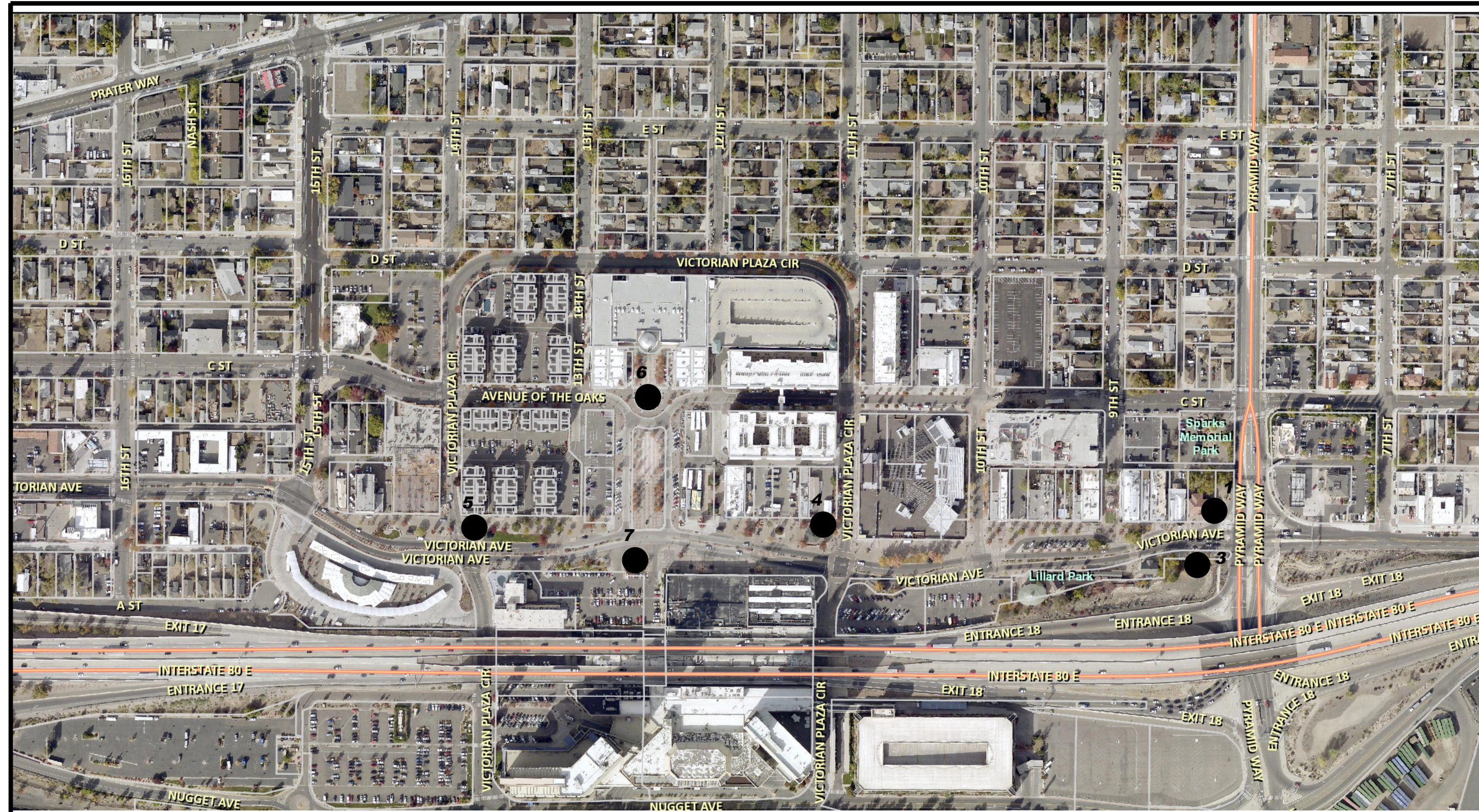


SCALE  
 HORIZ. -  
 VERT. -  
 JOB NO.  
 4273

CITY OF SPARKS APPROVAL:  
 \_\_\_\_\_  
 JON R. ERICSON, P.E., P.T.O.E. CITY ENGINEER DATE: \_\_\_\_\_

SHEET  
 13  
 OF  
 15



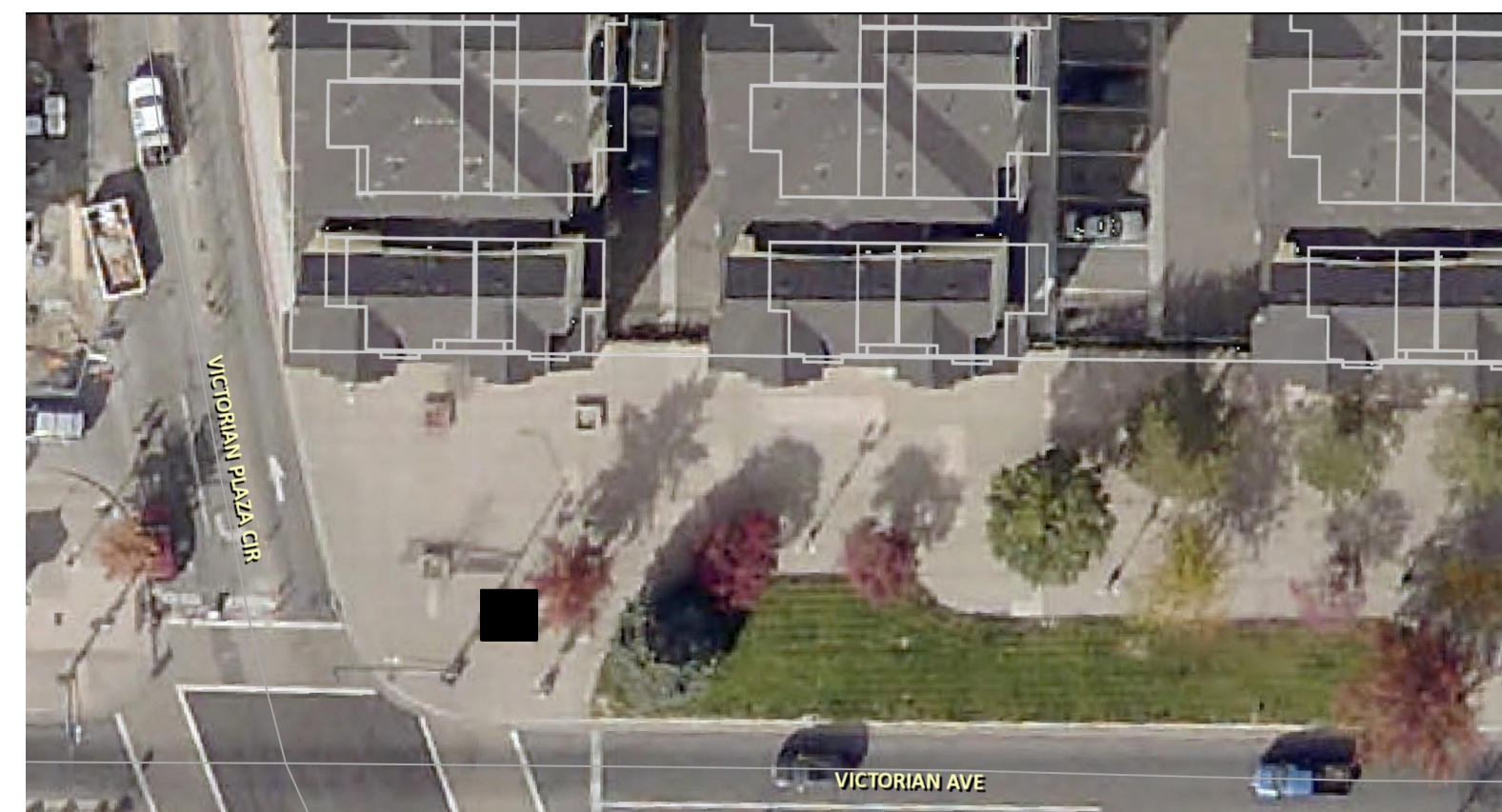


**ART LOCATIONS ~ NTS**

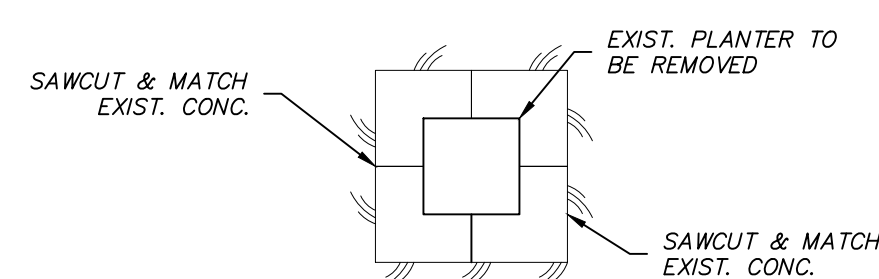


**ART LOCATION 2**

INSTALL 4'L X 4'W X 2'H PEDESTAL ON PATIO (REF. DTL. 1/15 & 4/15 FOR PEDESTAL)  
 PROTECT IN PLACE ALL EXISTING UTILITIES  
 REMOVE & REPLACE EXIST. BRICK AS NEEDED



**TYPICAL DETAIL**



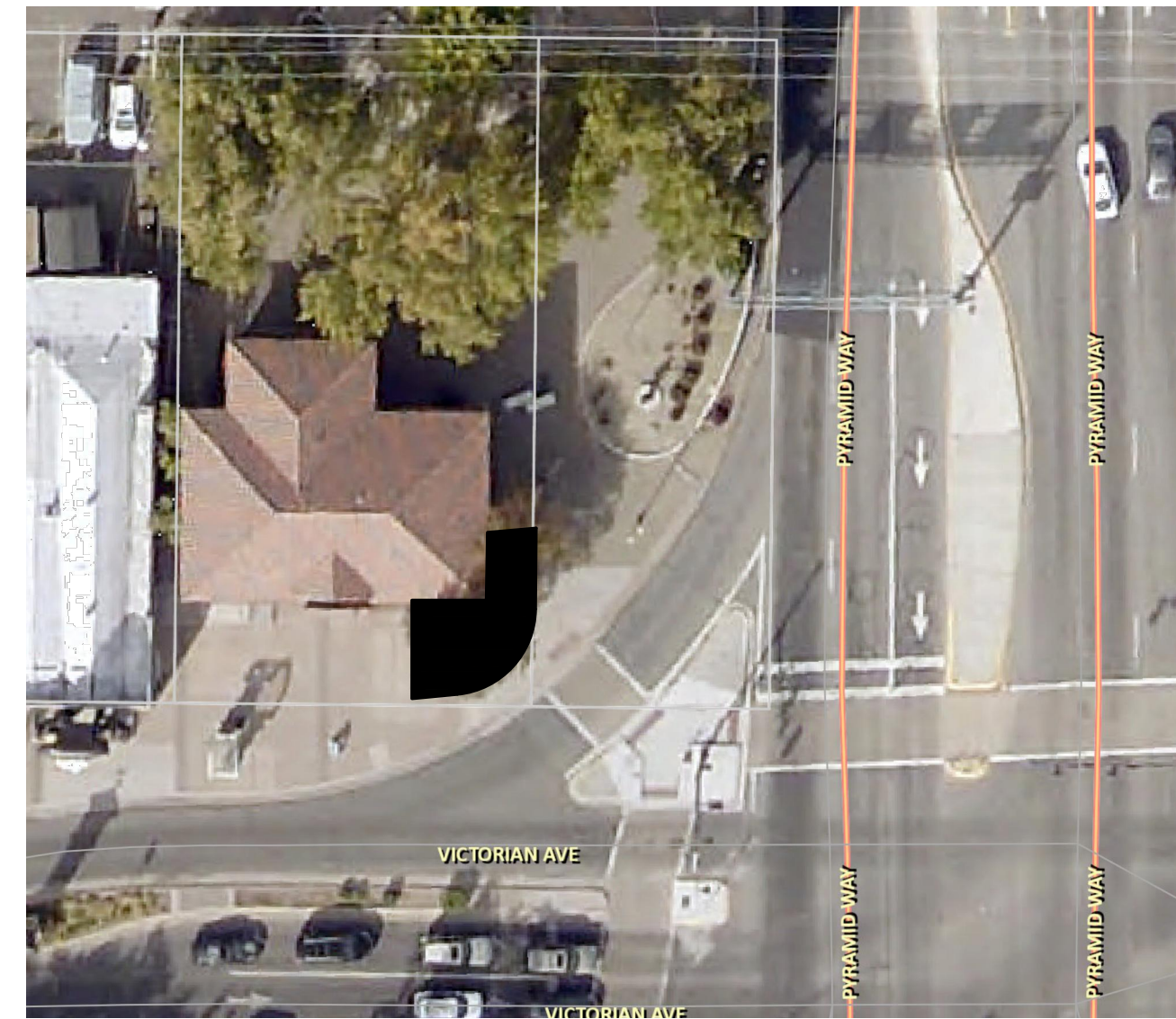
**ART LOCATION 4**

EXIST. PLANTER & TREE TO BE REMOVED  
 INSTALL 4'L X 4'W X 4.5'H PEDESTAL (REF. DTL. 2/15 & 4/15 FOR PEDESTAL)  
 PROTECT IN PLACE ALL EXISTING UTILITIES



**NOTE:**

COORDINATE WITH CITY OF SPARKS ART LOCATIONS REQUIRING ELECT. AND/OR WATER  
 ALL CONCRETE SHALL BE COLOR: SEQUOIA SAND  
 CONTRACTOR SHALL REPAIR ANY EXISTING INFRASTRUCTURE (UTILITIES, CURB, & SIDEWALK, ETC.) DAMAGED DURING THE REMOVAL OR CONSTRUCTION APART OF THE PROJECT



**CITY OF SPARKS APPROVAL:**

JON R. ERICSON, P.E., P.T.O.E. DATE: \_\_\_\_\_  
 CITY ENGINEER



INSTALL 4'L X 4'W X 2'H PEDESTAL IN LANDSCAPE ISLAND (REF. DTL. 1/15 & 4/15 FOR PEDESTAL)  
 PROTECT IN PLACE ALL EXISTING UTILITIES  
 REMOVE (2) TREES, PROTECT IN PLACE BUILDING, SIDEWALK, AND CURB, ETC.

**ART LOCATION 1**

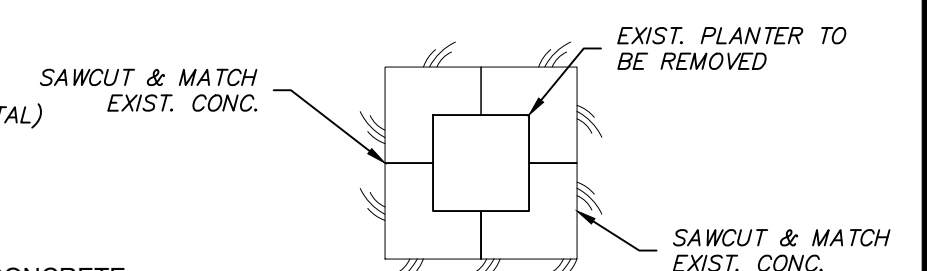


**ART LOCATION 3**

EXIST. PLANTER TO BE REMOVED  
 INSTALL 4'L X 4'W X 4.5'H PEDESTAL (REF. DTL. 2/15, 4/15 FOR PEDESTAL)  
 PROTECT IN PLACE ALL EXISTING UTILITIES



**TYPICAL DETAIL**



**A. DIVISION 3 - SECTION 031000 - CONCRETE FORMWORK:**

- DESIGN FORMS AS RECOMMENDED IN ACI 347. CONSTRUCT FORMS OF ADEQUATE STRENGTH AND STIFFNESS TO OBTAIN REQUIRED FINISHED CONCRETE SURFACE AND LINE TOLERANCES. FORMS SHALL BE TIGHT ENOUGH TO PREVENT LEAKAGE OF MORTAR FINES. USE NEW FORM MATERIALS FOR ALL EXPOSED CONCRETE SURFACES, AND NEW OR PROPERLY CLEANED USED FORM MATERIALS FOR UNEXPOSED SURFACES. THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN AND INSTALLATION OF ALL CRIBBING, BRACING, AND SHORING REQUIRED.
- COAT ALL FORMS WITH APPROVED FORM OIL.
- REMOVE ALL DIRT, CHIPS, SAWDUST, RUBBISH, WATER AND/OR ICE FROM FORM PRIOR TO PLACEMENT OF CONCRETE.
- FORMWORK TOLERANCES:
  - FOOTING THICKNESS - PLUS/MINUS 1/2 INCH.
  - WALL AND FOOTING CENTERLINE LOCATION - PLUS/MINUS 1/4 INCH.
  - CONSPICUOUS LINES AND LEVELS - PLUS/MINUS 1/4 INCH VARIATION IN 10 FEET.
  - DEFLECTION OF FORM MATERIALS - 1/360 TIMES SPAN.
  - ALL OTHER - 1/4 INCH IN 10 FEET, AND 1/2 INCH OVERALL, EXCEPT VISIBLE LINES SHALL APPEAR STRAIGHT AND TRUE AND FREE FROM SUDDEN TRANSITIONS.
- ALL EXPOSED EDGES SHALL BE CHAMFERED 3/4 INCH OR TOOLED TO A 1/2 INCH RADIUS.
- REMOVE FORM WORK IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:
  - FORMS AT SLAB EDGE: 1 DAY
  - SIDE FORMS AT FOOTINGS: 2 DAYS
  - ALL OTHER VERTICAL SURFACES: 7 DAYS

**B. DIVISION 3 - SECTION 032000 - CONCRETE REINFORCEMENT:**

- REINFORCEMENT SHALL BE ASTM A 615 GRADE 60.
- LAP SPLICES 36 DIAMETERS UNO AND TIGHTLY WIRE IN PLACE. SECURE REINFORCEMENT IN PLACE WITH CHAIRS, TIES, OR DOBIES AS RECOMMENDED IN CRSI MANUAL OF STANDARD PRACTICES. DOBIES FOR SLABS-ON-GRADE SHALL BE CAST CONCRETE CUBES WITH WIRE TIES.
- THE HEATING OF REINFORCING STEEL TO AID IN BENDING AND SHAPING OF BARS IS NOT PERMITTED. ALL BENDS IN REINFORCING STEEL ARE TO BE MADE COLD. ALL BEND RADIUS SHALL CONFORM TO CRSI MANUAL OF STANDARD PRACTICE.
- CONCRETE COVERAGE FOR REINFORCING STEEL SHALL BE THE CLEAR DISTANCE FROM THE FORM FACE TO THE EXTERIOR SURFACE OF THE BAR AS FOLLOWS:
  - FOUNDATIONS PLACED AGAINST GROUND - 3 INCHES.
  - FORMED SURFACES EXPOSED TO GROUND OR WEATHER - 1-1/2 INCH FOR #5 BAR AND SMALLER; 2 INCHES FOR LARGER THAN #5 BAR.
  - REINFORCING SHOWN OR NOTED CONTINUOUS, SHALL RUN IN AS LONG OF LENGTHS AS PRACTICAL.

**C. DIVISION 3 - SECTION 033000 - CAST-IN-PLACE CONCRETE:**

- CONCRETE MIX DESIGN IN ACCORDANCE WITH ASTM C 94. SHALL BE AS FOLLOWS:
  - CLASS "D" CONCRETE - 4,500 PSI CONCRETE WITH 3/4 INCH MAXIMUM STONE AGGREGATE, TYPE II CEMENT, 3 INCH SLUMP, USE 4 LBS/CY MACRO 360 FF MACROSYNTHETIC FIBERS AS MANUFACTURED BY BASF OR EQUAL 5-7% AIR ENTRAINMENT, AND .45 WATER/CEMENT RATIO. EXPOSURE CLASS F-1, S0 P0 AND C0. FOR USE IN ALL EXTERIOR CONCRETE.
  - CONCRETE SHALL BE PLACED AT THE MINIMUM PRACTICAL SLUMP NOT EXCEEDING THE SPECIFIED MAXIMUM DESIGN SLUMP. ADDITIONAL WORKABILITY AND SLUMP MAY BE OBTAINED WITH APPROVED ADMIXTURES WHICH DO NOT INCREASE WATER CONTENT OR SHRINKAGE (I.E. WATER REDUCERS OR SUPER PLASTICIZER).
  - PLACE CONCRETE USING METHODS WHICH AVOID SEGREGATION. MECHANICALLY VIBRATE ALL CONCRETE TO CONSOLIDATE IT IN FORMS.
- CONCRETE FINISHES:
  - FOOTINGS - FLOAT TO A SMOOTH LEVEL SURFACE WITHIN PLUS/MINUS 1/4 INCH OF INDICATED ELEVATION.
  - FORMED SURFACES NOT EXPOSED - STRIP FORMS, PATCH LARGE HOLES OR DEFECTS, FILL SNAP TIE CONE HOLES FLUSH.
  - FORMED EXPOSED SURFACES - STRIP FORMS, PATCH LARGE HOLES OR DEFECTS, FILL SNAP TIE CONE HOLES FLUSH, SACK AND CURE.
  - ALL EXPOSED CONCRETE EDGES, EXCEPT SLABS-ON-GRADE, SHALL BE CHAMFERED 3/4" OR TOOLED TO A 1/2 INCH RADIUS.
- CONCRETE CURING:
  - CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING AND EXCESSIVE HOT OR COLD TEMPERATURES FOR A MINIMUM OF FIVE DAYS.

**D. DIVISION 13 - SECTION 138000 - ADHESIVE ANCHORING SYSTEMS:**

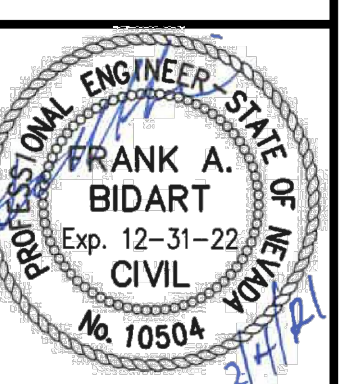
- ADHESIVE ANCHORING IN CONCRETE SHALL BE SIMPSON SET-3G ADHESIVE AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY; AND COMPLY WITH THE PROVISIONS OF ICC ESR-4057.
- ADHESIVE ANCHOR SYSTEM TO BE USED IN TEMPERATURES BELOW 40° F AND ABOVE 14° F SHALL BE SIMPSON AT-XP ADHESIVE AS MANUFACTURED BY SIMPSON STRONG TIE COMPANY AND COMPLY WITH THE PROVISIONS OF IAPMO UES ER-263 AND ER-281
- THREADED RODS USED IN EXTERIOR APPLICATIONS SHALL BE ASTM A193 GRADE B8 OR B8M (STAINLESS STEEL AISI TYPE 304 OR TYPE 316). THREADS SHALL BE UNC COARSE THREADS, UNLESS NOTED OTHERWISE. COMPATIBLE NUTS AND WASHERS SHALL BE FURNISHED AND CONSIDERED PART OF THE ASSEMBLY. AT SS ANCHORS COAT THREADS WITH OIL TO PREVENT NUT FROM SEIZING. PROVIDE NEOPRENE WASHER WHEN BOLTING MATERIAL NON COMPATIBLE WITH SS

REV.	DATE	DESCRIPTION	BY	APP'D

DATE: FEB 4, 2021	DATE: FEB 4, 2021
DRAWN BY: ACAD 20	DRAWN BY: ACAD 20
DESIGNED BY: TGP	DESIGNED BY: TGP
CHECKED BY: FAB	CHECKED BY: FAB

VICTORIAN AVE. INFRASTRUCTURE IMPROVEMENTS SECTION 4  
 ART LOCATIONS  
 SPARKS WASHOE NEVADA

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431  
 (775) 399-3663 FAX: (775) 399-3664  
 ODYSSEYENGINEERING.COM  
**odyssey** ENGINEERING INCORPORATED



SCALE	---
HORIZ.	---
VERT.	---
JOB NO.	4273

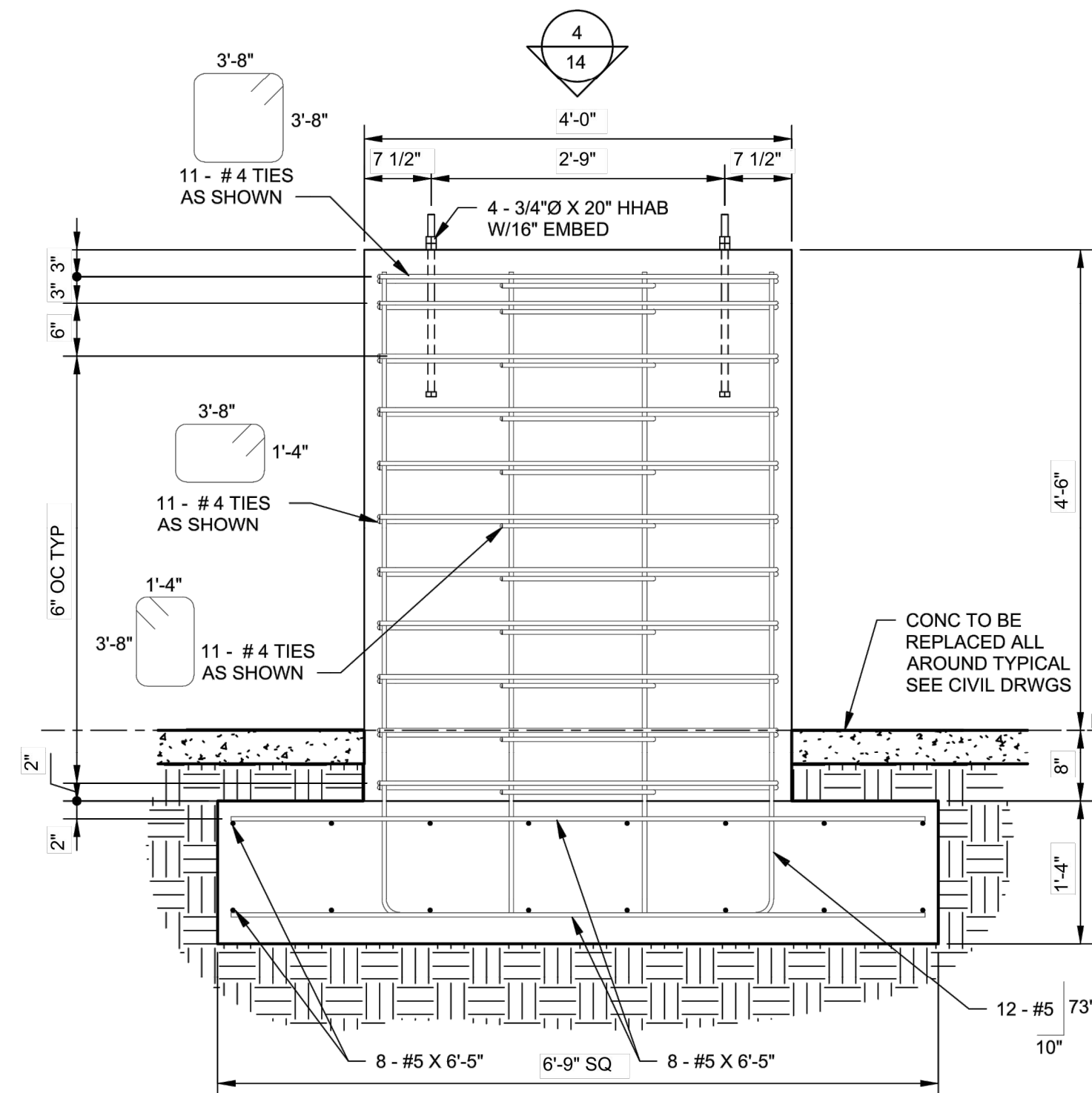
SHEET	14
OF	15



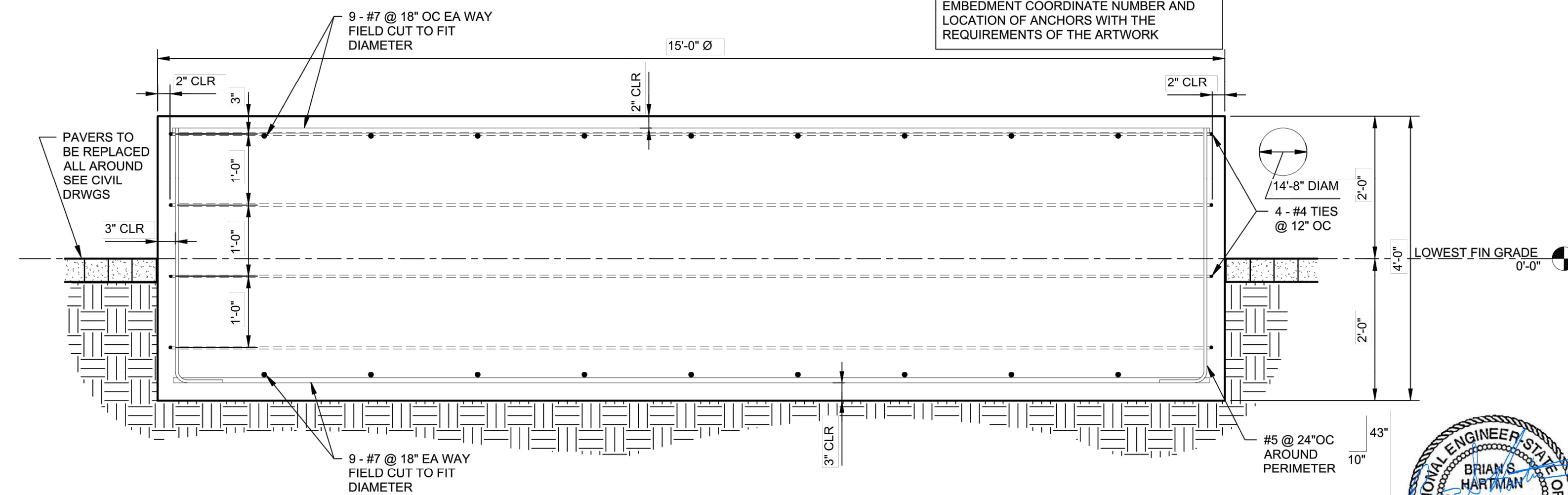


**ART LOCATION 5**

INSTALL 15" DIAMETER 2'H PEDESTAL (REF. DETAIL 3/15)  
 PROTECT IN PLACE EXIST. UTILITIES. (INSTALL TRAFFIC RATED BOXES FOR ALL UTILITIES PRESENT)  
 COORDINATE W/ CITY OF SPARKS STAFF LOCATIONS  
 REMOVE & REPLACE EXIST. BRICK AS NEEDED  
 REMOVE EXIST. ART WORK AND PLANTER



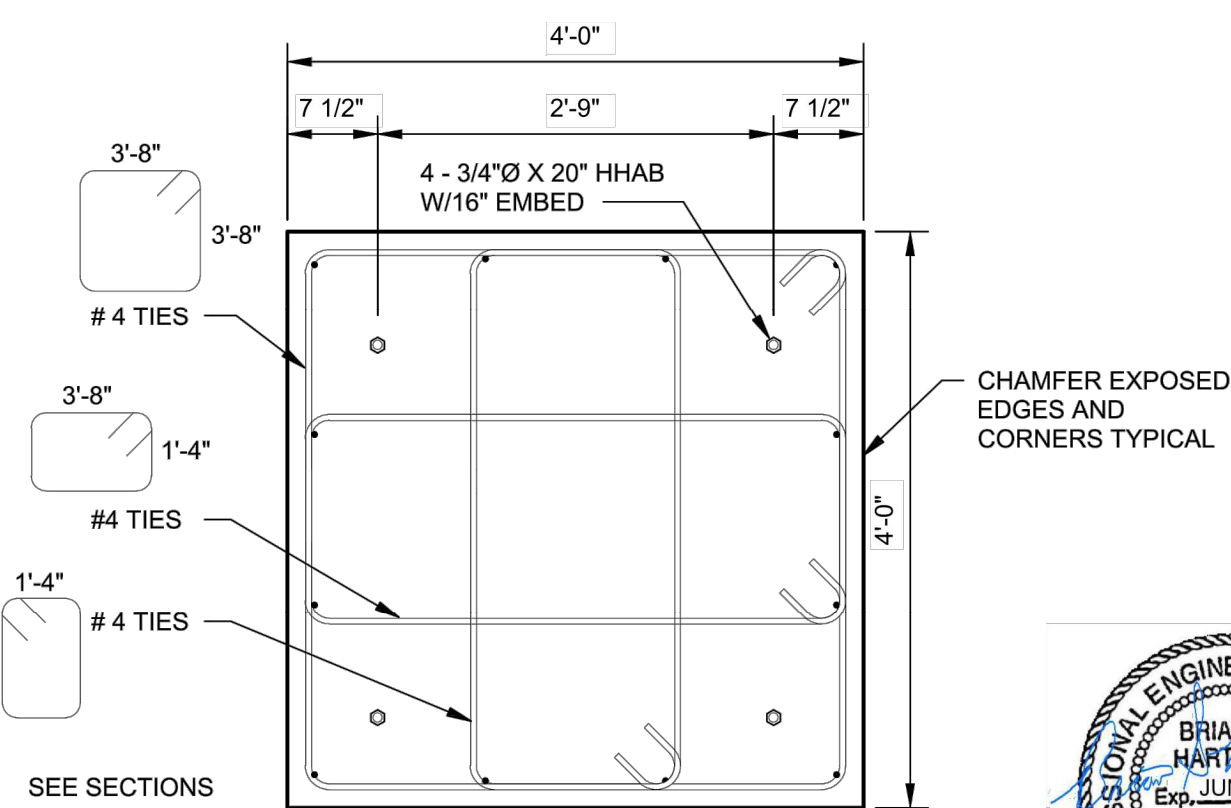
**2**  
15 SECTION  
SCALE: 3/4" = 1'-0"



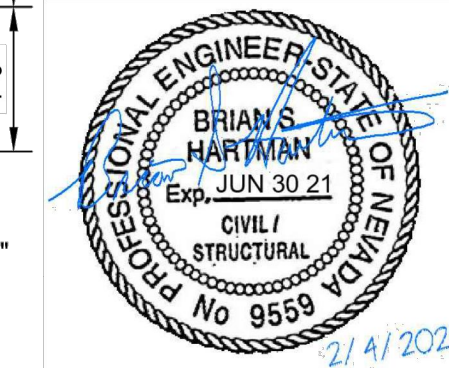
**3**  
15 SECTION  
SCALE: 3/4" = 1'-0"

NOTE:  
 ANCHOR BOLTS FOR ANCHORAGE OF  
 ARTWORK SHALL BE 3/4" X 16" STAINLESS  
 STEEL THREADED RODS SET IN EPOXY  
 FILLED DRILLED HOLES W/ 12" MIN  
 EMBEDMENT COORDINATE NUMBER AND  
 LOCATION OF ANCHORS WITH THE  
 REQUIREMENTS OF THE ARTWORK

**1**  
15 SECTION  
SCALE: 3/4" = 1'-0"



**4**  
15 PLAN  
SCALE: 3/4" = 1'-0"



**SPECIAL INSPECTIONS**

THE FOLLOWING SPECIAL INSPECTIONS SHALL BE PERFORMED BY CERTIFIED SPECIAL INSPECTORS.

- A. CONCRETE:
  1. PLACEMENT AND TEST CYLINDERS FOR FOUNDATIONS.
  2. PLACEMENT, AIR, AND TEST CYLINDERS FOR EXTERIOR CONCRETE FLATWORK.
  3. ALL CONCRETE WORK PER IBC TABLE 1705.3.
- B. EPOXY ANCHORS:
  1. COMPLIANCE WITH EVALUATION SERVICE REPORT IAPMO UES ER-263 (SIMPSON AT-XP IN CONCRETE).
  2. COMPLIANCE WITH EVALUATION SERVICE REPORT IAPMO ICC-ES ESR-4057 (SIMPSON SET-3G IN CONCRETE).

CITY OF SPARKS APPROVAL:

JON R. ERICSON, P.E., P.T.O.E.  
 CITY ENGINEER

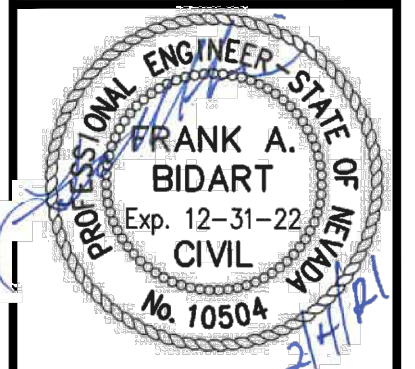
DATE:

REV.	DATE	DESCRIPTION	BY	APP'D

DATE: FEB 4, 2021	DRAWN BY: ACAD_20	DESIGNED BY: TCP	CHECKED BY: FAB
-------------------	-------------------	------------------	-----------------

VICTORIAN AVE. INFRASTRUCTURE IMPROVEMENTS SECTION 4  
 ART LOCATIONS  
 SPARKS WASHOE NEVADA

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431  
 (775) 399-3363 FAX: (775) 399-3364  
 ODYSSEYRENO.COM  
**odyssey** ENGINEERING INCORPORATED



SCALE	---
HORIZ.	---
VERT.	---
JOB NO.	4273

SHEET	15
OF	15