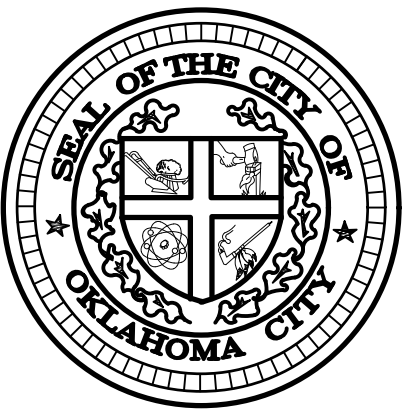


PROJECT MP-0542  
2007 GENERAL OBLIGATION BOND PROJECTS

PARK IMPROVEMENTS AT CROWN HEIGHTS PARK  
600 NW 38TH STREET



The City of  
**OKLAHOMA CITY**

DAVID HOLT Mayor

COUNCIL MEMBERS

JAMES GREINER	Ward 1
JAMES COOPER	Ward 2
LARRY McATEE, JR.	Ward 3
TODD STONE	Ward 4
DAVID GREENWELL	Ward 5
JOBETH HAMON	Ward 6
NIKKI NICE	Ward 7
MARK K. STONECIPHER	Ward 8

CRAIG FREEMAN City Manager

ERIC J. WENGER, P.E. City Engineer

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D-102	D-102 DETAILS
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D-700A	D-700 CITY STANDARD DETAILS
D-700B	D-700B CITY STANDARD DETAILS
D-700C	D-700C CITY STANDARD DETAILS
L-100	L-100 Existing Site
L-101	L-101 AREA-1 EXISTING CONTITIONS AND DEMO
L-102	L-102 AREA-2 EXISTING CONDITIONS & DEMO
L-103	L-103 AREA-3 EXISTING CONDITIONS & DEMO
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L-303	L-303 AREA-3 GRADING & DRAINAGE
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L-401	L-401 Area 1 - Landscape Plan
L-402	L-402 AREA 2 - LANDSCAPE PLAN
L-403	L-403 AREA 3 - LANDSCAPE PLAN

ONE CALL UTILITY LOCATION NUMBER

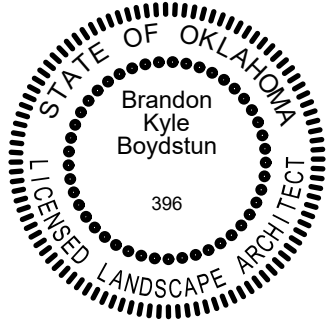
840-5032  
1-800-522-6543

This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

PREPARED BY  
OKLAHOMA CITY PARKS & RECREATION DEPT.

BRANDON K. BOYDSTUN, L.A., ASLA  
PARK PLANNING AND DEVELOPMENT MANAGER

NO. \_\_\_\_\_ DATE \_\_\_\_\_



RECOMMENDED FOR APPROVAL

DOUGLAS R. KUPPER, CPRP, DIRECTOR PARKS & RECREATION DATE \_\_\_\_\_

ERIC J. WENGER, P.E., CITY ENGINEER DATE \_\_\_\_\_

APPROVED AS FINAL PLANS

MAYOR \_\_\_\_\_ DATE \_\_\_\_\_

CITY CLERK \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT NO. MP-0542

NORTH 192ND STREET

NORTH 178TH STREET

NORTH 164TH STREET

NORTH 150TH STREET

MEMORIAL ROAD

NORTH 122ND STREET

HEFFNER ROAD

BRITTON ROAD

WILSHIRE BOULEVARD

NORTH 63RD STREET

NORTH 50TH STREET

NORTH 36TH STREET

NORTH 23RD STREET

NORTH 10TH STREET

RENO AVENUE

SOUTH 15TH STREET

SOUTH 29TH STREET

SOUTH 44TH STREET

SOUTH 59TH STREET

SOUTH 74TH STREET

SOUTH 89TH STREET

SOUTH 104TH STREET

SOUTH 119TH STREET

SOUTH 134TH STREET

SOUTH 149TH STREET

SOUTH 164TH STREET

SOUTH 179TH STREET

GREGORY ROAD

CIMARRON ROAD

RICHMOND ROAD

CEMETARY ROAD

CZECH HALL ROAD/  
PIEDMONT ROAD

SARA ROAD

MUSTANG ROAD

SARA ROAD

MORGAN ROAD

COUNTY LINE ROAD

COUNCIL ROAD

ROCKWELL AVENUE

MACARTHUR BOULEVARD

MERIDIAN AVENUE

PORTLAND AVENUE

MAY AVENUE

PENNSYLVANIA AVENUE

WESTERN AVENUE

SANTA FE AVENUE

HIGH AVENUE/  
KELLY AVENUE

EASTERN AVENUE/  
MARTIN LUTHER KING AVENUE

BRYANT AVENUE

SUNNYLANE ROAD/  
COLTRANE ROAD

SOONER ROAD

AIR DEPOT BOULEVARD

MIDWEST BOULEVARD

DOUGLASS BOULEVARD

POST ROAD

WESTMINSTER ROAD

ANDERSON ROAD

HIWASSEE ROAD

HENNEY ROAD

CHOCTAW ROAD

INDIAN MERIDIAN

TRIPLE X ROAD

PEEBLY ROAD

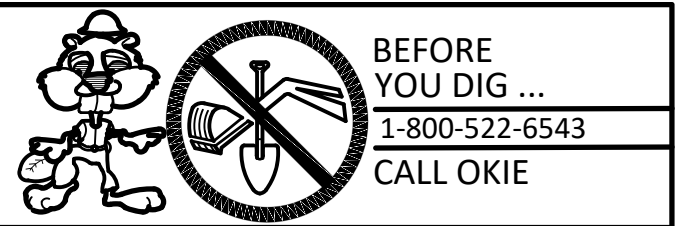
LUTHER ROAD

DOBBS ROAD

HARRAH ROAD

POTTAWATOMIE ROAD

FISHMARKET ROAD



CROWN HEIGHTS PARK  
600 NW 38TH STREET



Base Bid

Item	DESCRIPTION	Unit	QTY
1	Mobilization	ls	1
2	Construction Staking	ls	1
3	Pre-construction Audio/Video	ls	1
4	Concrete Wash-out Box	ea	5
5	Demolish and Remove Existing Concrete Walk	sf	18
6	Temporary Tree Protection	lf	1,947
7	6' Bench	ea	4
8	Unclassified Excevation - Cut	cy	226
9	Unclassified Excevation - Fill	cy	80
10	Erosion Control - Temporary Silt Fence	lf	2,474
11	5" Reinforced Integral Colored Concrete on 2" Compacted Gravel Base.	sf	10,029
12	Standard 8" Thick Reinforced Concrete Mower Crossing for 5' Wide Concrete Walk	ea	2
13	Pedestrian Striping 4" Wide White Paint	sf	428
14	ADA Ramp with detectible warning. City Standard Type F	ea	1
15	Solid Slab Sodding	sf	20088

Add Alt 1

Item	DESCRIPTION	Unit	QTY
16	Add Alt.1 - Temporary Tree Protection	lf	1,561
17	ADD ALT. 1 - 6' Bench	ea	2
18	Add Alt. 1 - Lightpole with Solar LED.	ea	5
19	Add Alt. 1 - Unclassified Excevation - Cut	cu	142
20	Add Alt. 1 - Unclassified Excevation - FILL	cu	145
21	Add Alt.1 - Erosion Control - Temporary Silt Fence	lf	1,248
22	ADD ALT. 1 - 5" Reinforced Integral Colored Concrete on 2" Compacted Gravel Base.	sf	6,419
23	Add Alt. 1 - Standard 8" Thick Reinforced Concrete Mower Crossing for 5' Wide Concrete Walk	ea	2
24	Add Alt. 1 - 5" THICK CONCRETE APRON FOR CMP CULVERT.	sf	150
25	Add Alt. 1 - 48" CMP. OFCI	lf	20
26	Add Alt. 1 - Solid Slab Sodding	sf	5719
27	Add Alt. 1 - 2" Caliper Tree	ea	3

Add Alt 2

Item	DESCRIPTION	Unit	QTY
1	Mobilization	ls	1
2	Construction Staking	ls	1
3	Pre-construction Audio/Video	ls	1
4	Concrete Wash-out Box	ea	5
5	Demolish and Remove Existing Concrete Walk	sf	18
6	Temporary Tree Protection	lf	1,947
7	6' Bench	ea	4
8	Unclassified Excavation - Cut	cy	226
9	Unclassified Excavation - Fill	cy	80
10	Erosion Control - Temporary Silt Fence	lf	2,474
11	5" Reinforced Integral Colored Concrete on 2" Compacted Gravel Base.	sf	10,029
12	Standard 8" Thick Reinforced Concrete Mower Crossing for 5' Wide Concrete Walk	ea	2

Add Alt 3

Item	DESCRIPTION	Unit	QTY
39	Add Alt.3 - Temporary Tree Protection	lf	643
40	Add Alt. 3 - Tree Removal	ea	2
41	ADD ALT. 3 - 6' Bench	ea	1
42	Add Alt. 3 - Lightpole with Solar LED.	ea	2
43	Add Alt. 3 - Unclassified Excevation - Cut	cy	89
44	Add Alt. 3 - Unclassified Excevation - FILL	cy	46
45	Add Alt. 3 - Erosion Control - Temporary Silt Fence	lf	585
46	ADD ALT. 3 - 5" Reinforced Integral Colored Concrete on 2" Compacted Gravel Base.	sf	4,134
47	Add Alt. 3 - Standard 8" Thick Reinforced Concrete Mower Crossing for 5' Wide Concrete Walk	ea	1
48	Add Alt. 3 - ADA Ramp with detectible warning. City Standard Type F	ea	1
49	Add Alt 3 - ADA Ramp with detectible warning. City Standard Type D	ea	1
50	Add Alt. 2 - Solid Slab Sodding	sf	5,618
51	Add Alt. 2 - 2" Caliper Tree	ea	3

GENERAL NOTES:

1. City of Oklahoma City Parks and Recreation Department Staff shall verify and approve all walk and path alignments prior to start of Construction
2. Contractor shall use flags, lime or marking paint to indicate centerline of sidewalks, center of picnic table pads, and seating areas. Contractor shall receive approval from Parks and Recreation Staff prior to excavating and setting forms.
3. Approval of flagged alignments do not nullify responsibility of contractor to meet ADA grades.
4. Contractor shall provide safety fencing around all trees within the limits of and immediately adjacent to construction activity.
5. Safety fencing shall be erected and installed prior to any earth moving or start of construction activity.
6. Safety fencing shall extend around the perimeter of the tree's dripline. construction activity shall not occur over the root system and drip line of trees unless shown on plan or authorized by Parks Staff.
7. Contractor shall deep line aerate all work areas disturbed during construction. use 5" to 6" tines to treat compacted areas where materials were stored, machinery parked, etc.. Coordinate with Parks and Recreation Department for areas to be aerated. Contractor shall avoid potential damage to tree roots where required.
8. Contractor shall replace and/or repair of all traffic control devices and appurtenances damaged or disturbed due to construction in a prompt and timely manner.
9. Contractor shall be responsible for the removal of all pavement markings that will be in conflict with the proposed work.
10. A **WORK ZONE PERMIT** MUST BE OBTAINED FROM THE TRAFFIC MANAGEMENT DIVISION AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF WORK AND/OR placing or removing any barricades OR modifying existing traffic control devices. Email WORKZONES@OKC.GOV TO OBTAIN AN **APPLICATION**.
11. Contractor shall include all labor, materials, and associated costs needed to purchase, install, store, and implement details, as shown, in units e.g. linear feet (lf), square yards (sy), square feet (sf), etc. as set forth in quantities table, drawings, or specifications.
12. Contractor shall furnish and install plant species and size as indicated on the drawings. Substitutions in plant species or size can be made only by written approval of the owner's representative and landscape architect.
13. Existing tree(s) requiring pruning, shall be pruned by the City of Oklahoma City Parks & Recreation Department at request of the contractor.

DEMOLITION NOTES:

1. All areas indicating demolition are approximate. Contractor shall verify conditions in the field.
2. Contractor shall protect all site improvements that are to remain.
3. Contractor shall properly deconstruct and remove all items and debris identified for demolition, off site and disposed of in a landfill or other appropriate location. Removal of debris includes (but not limited to) trees, vegetation, trash, debris, concrete, asphalt and other material.
4. Holes and voids left by removed improvements shall be backfilled with suitable backfill material to original grade.

EROSION CONTROL NOTES:

1. Erosion Control Permit(s) must be obtained prior to a work order being issued.
2. Construction activities which result in land disturbance of equal to or greater than one (1) acre, if they are part of a larger common plan of development or sale that totals at least one (1) acre must also obtain a permit from ODEQ (form 605-002a) for storm water discharges from construction activities.
3. Contractor shall construct all perimeter erosion control devices and inlet protection devices prior to any construction activity or earth moving activities.
4. Contractor shall repair or replace all erosion control devices damaged due to construction activity or storm events.
5. A copy of the Storm Water Pollution Prevention Plan (SWPPP) must be on site at all times and made available to the inspector upon request.
6. Contractor responsible for making notes and updates to the plan based on site conditions and construction activity.

STAGING AREA NOTES:

1. Construction entrance and staging areas to be finalized at pre-construction conference.
2. Construction vehicles and equipment will be staged here.
3. No personal or commercial vehicles shall be parked on grass.
4. Only necessary construction vehicles and equipment shall be permitted in the Work Zone.
5. All damage to the outside of approved Work Zone shall be repaired by contractor at no additional expense to owner.

UTILITY NOTES:

1. Underground utilities shown have been located from record documents or field locations by the operator.
2. The City of Oklahoma City makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned.
3. The City of Oklahoma City does not warrant that the underground utilities shown are in the exact location indicated on the plans, although the city does certify that they are located as accurately as possible from information available.
4. The City of Oklahoma City has not physically located the underground utilities.
5. Utility elevations and sizes may have been measured under adverse field conditions.
6. Contractor shall verify sizes, elevations, and locations of any utilities critical to the design prior to the start of construction.
7. Contractor shall verify critical elevations using the benchmark provided by the City of Oklahoma City Surveyor.
8. Discrepancies shall be immediately brought to the attention of the Landscape Architect.

GRADING NOTES:

1. Contractor shall notify the Landscape Architect or Landscape Architect's Designee of any discrepancies between design information and the City of Oklahoma City standard requirements prior to construction. Final decision on ADA matters shall be made by Inspection Services for City of Oklahoma City.
2. All sidewalk slopes shall be constructed in accordance with the City of Oklahoma City's current ADA guidelines. Walks and paths shall not exceed a 5% running slope and a 2% cross slope.
3. ADA landings shall not exceed a 2% slope in any direction.
4. if there are discrepancies identified on the plans it is the responsibility of the contract to notify the landscape architect or project manager of such issues.
5. All bench pads and picnic table pads shall not exceed a 2% slope in any direction.
6. Where plan indicates M.E.G. or Match, there shall be less than 1/4" difference in elevation where existing and proposed grades meet. to comply with ADA requirements no walks will be accepted with a change in level greater than 1/4".
7. Finish grade shall be feathered and blended to match existing natural grade as approved by the Landscape Architect or designated representative.

LANDSCAPE NOTES:

1. The contractor shall provide maintenance for all sodded areas for a period of 30 days beginning at the date of initial acceptance.
2. Temporary soil stabilization shall be required when sod is not available due to planting season or availability.
3. The contractor shall provide a one (1) year warranty from the date of final acceptance on all plant material in the project.
4. All trees shall be irrigated with 20 gal. Treegator (or approved equal) irrigation bags.
5. All trees shall be staked and have a 3' dia. cypress mulch ring around the trunk 3 inches deep. refer to details provided. Wire or any form or metal stakes SHALL NOT be allowed for tree staking.
6. All trees shall use the low profile or root ball staking method (See Details).
7. The location of trees shown is approximate. tree locations may have to be adjusted to accommodate field conditions. contractor shall verify conditions in the field.
8. Sod shall be provided for all exposed areas disturbed by construction.

THE CITY OF OKLAHOMA CITY  
PARKS AND RECREATION  
DEPARTMENT  
PLANNING DIVISION

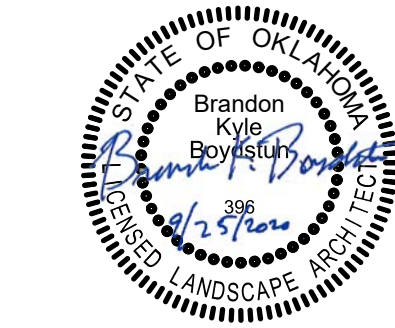


THE CITY OF OKLAHOMA CITY PARKS AND RECREATION DEPARTMENT  
420 W. MAIN STREET, SUITE 210, OKLAHOMA CITY, OK 73102 OFFICE: 405.297.3882

Improvements to Crown Heights Park  
Walks and Paths

600 NW 38th Street

OKLAHOMA CITY, OK



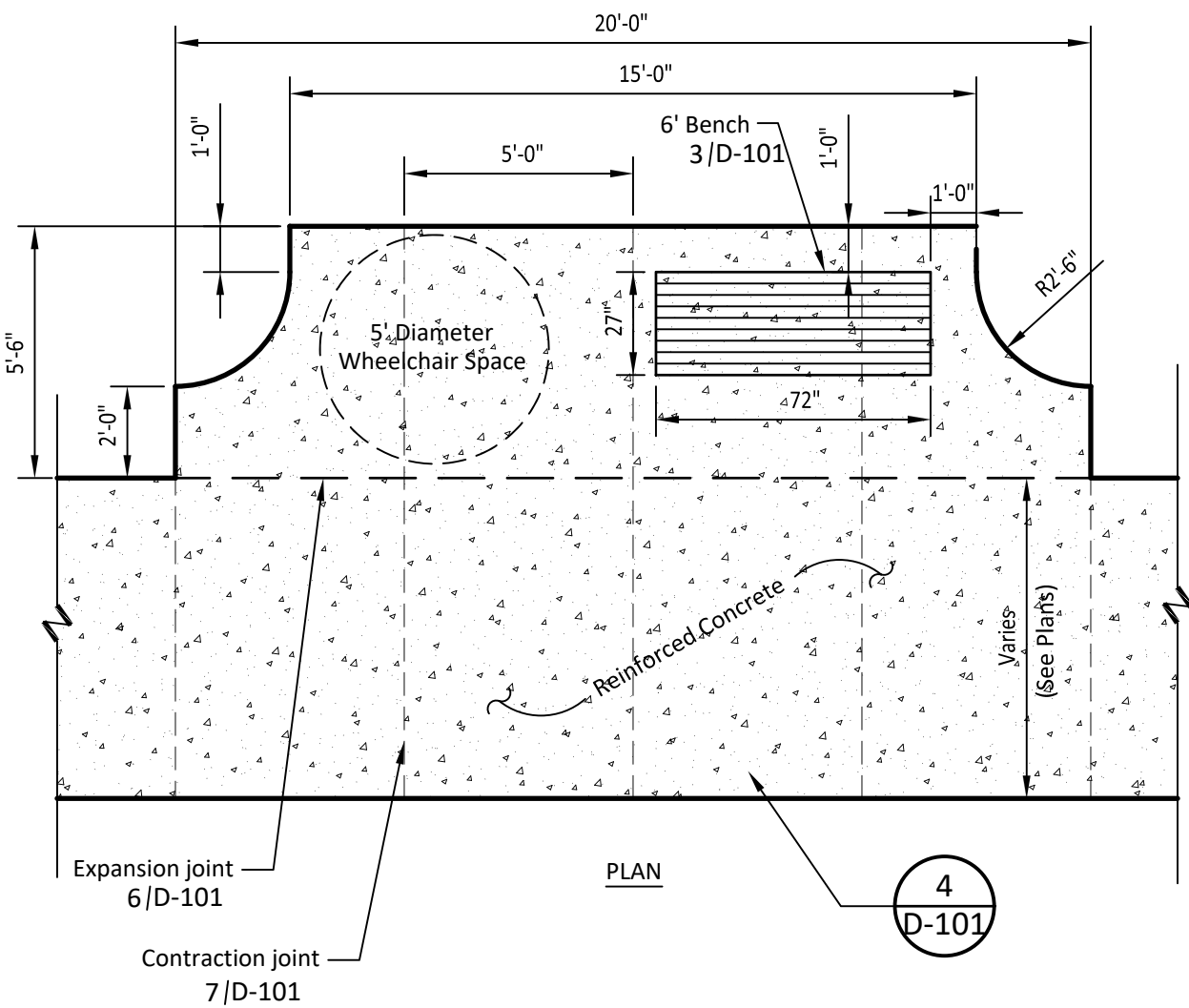
ISSUE:	DATE:
60% REVIEW SET	4/30/2020
95% REVIEW SET	5/23/2020
BID SET	9/25/2020

SHEET NO.:

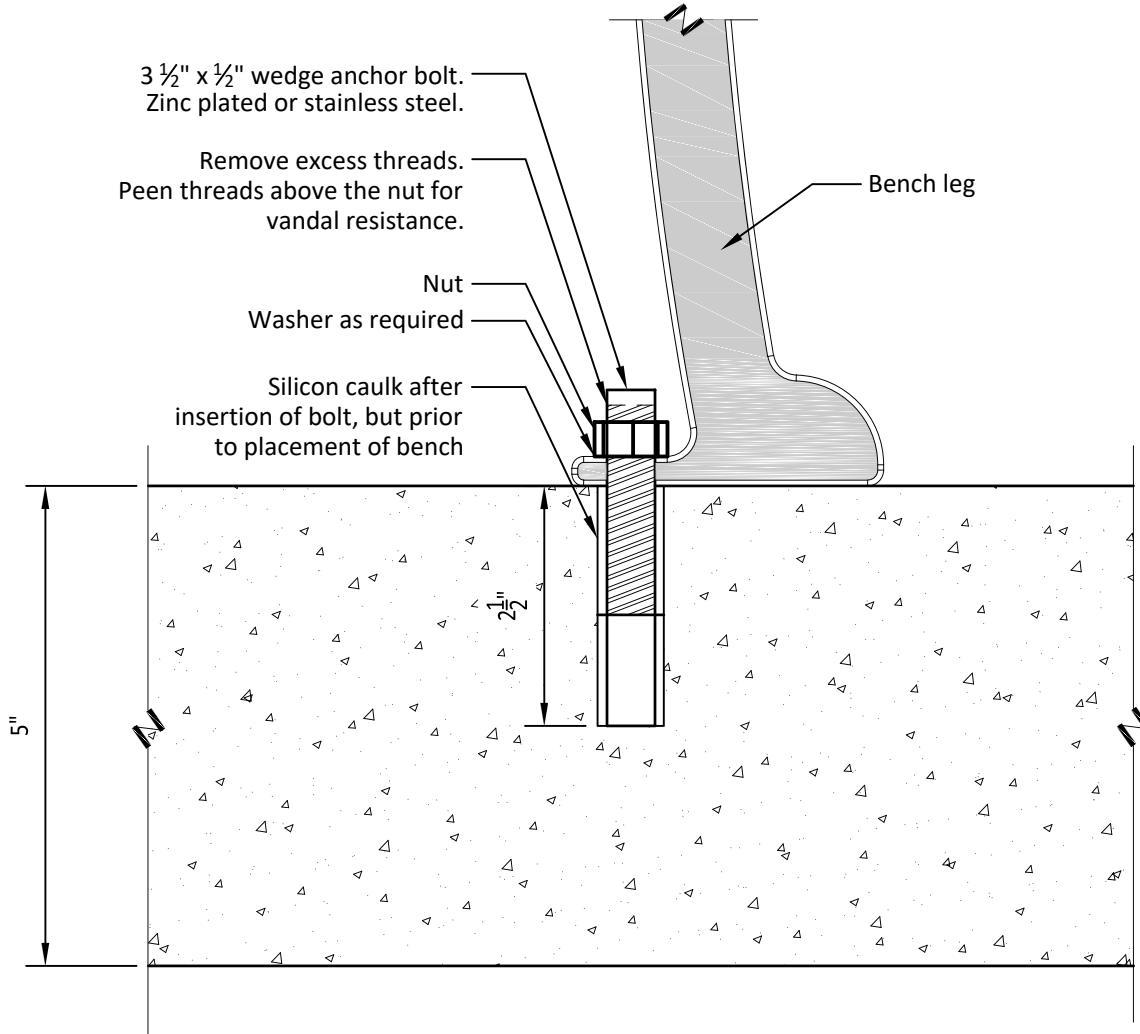
G-101

GENERAL NOTES

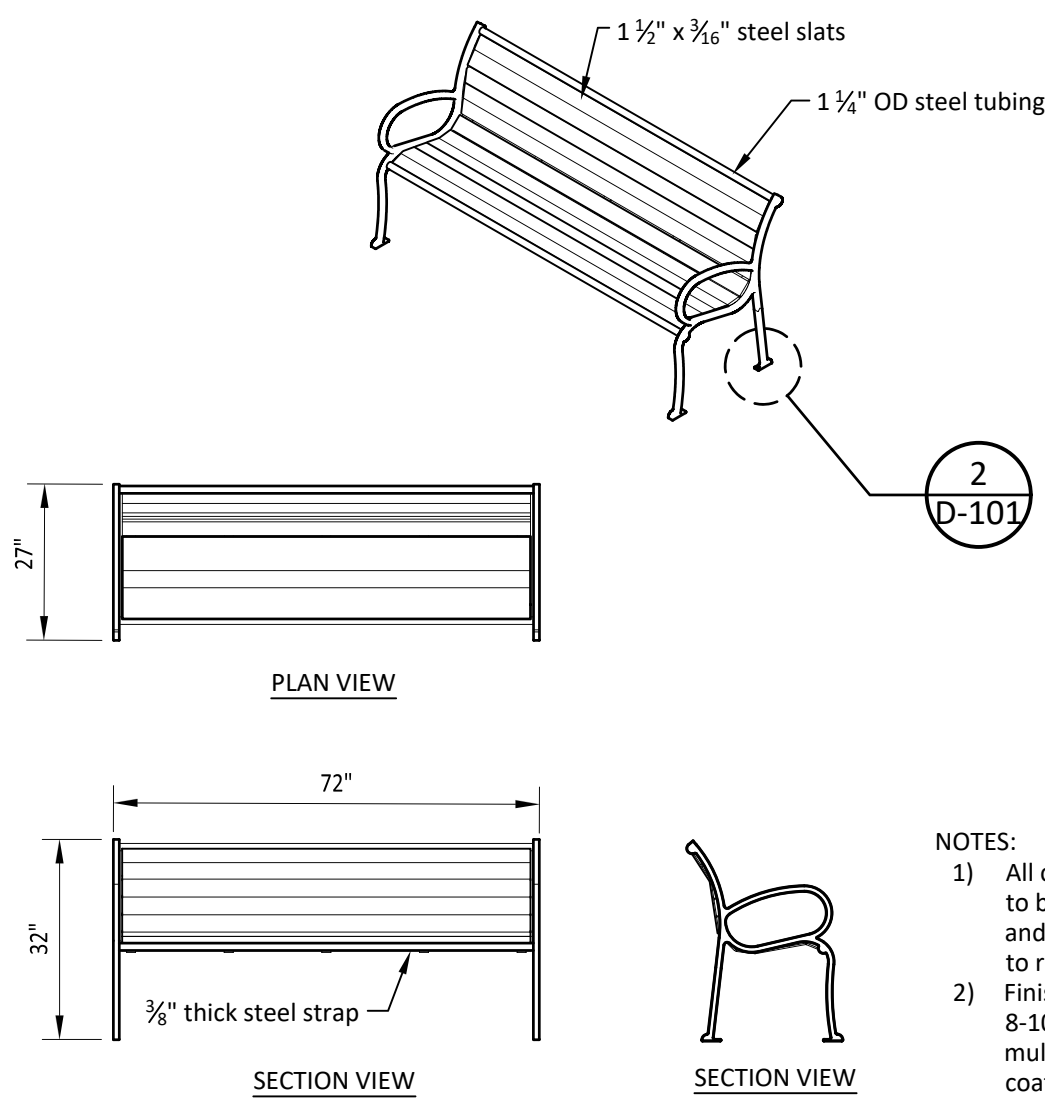




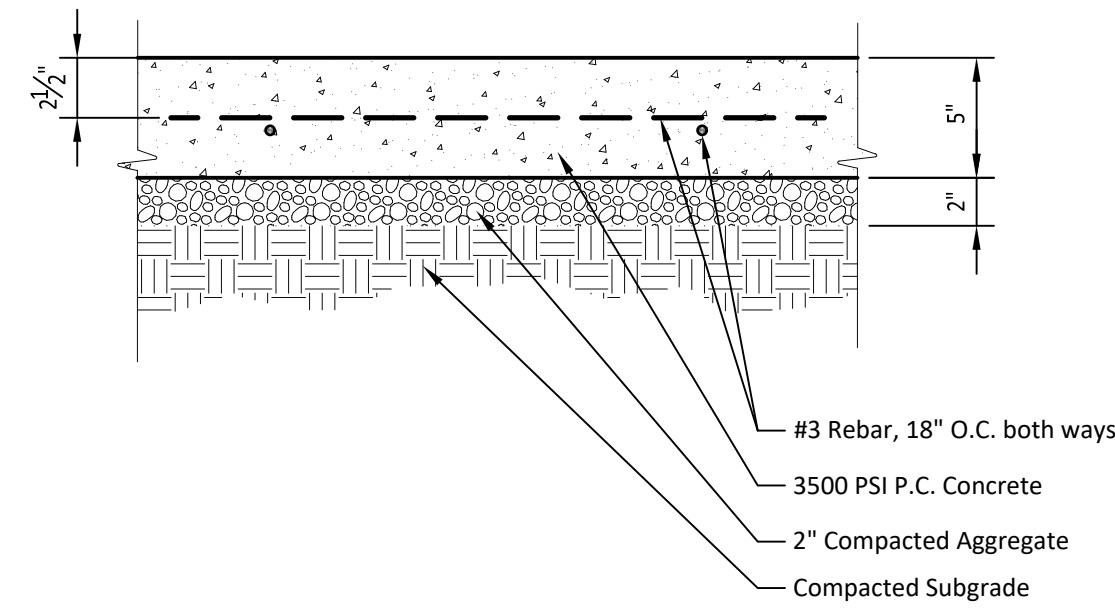
**1 BENCH PAD FOR (6') SURFACE MOUNT BENCH**  
1/4" = 1'-0" 129343.13-04



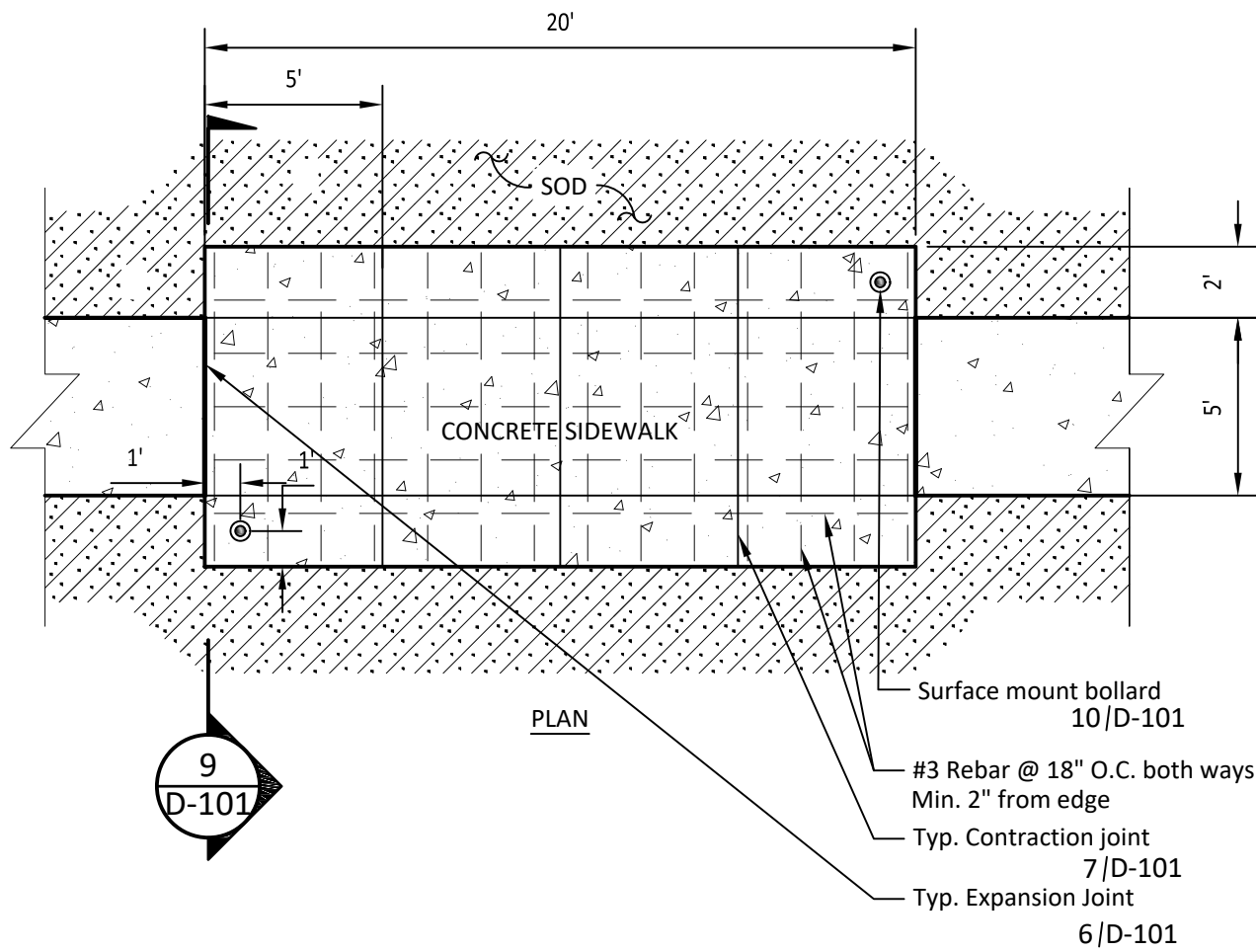
**2 SURFACE MOUNT**  
6" = 1'-0" 129343.13-06



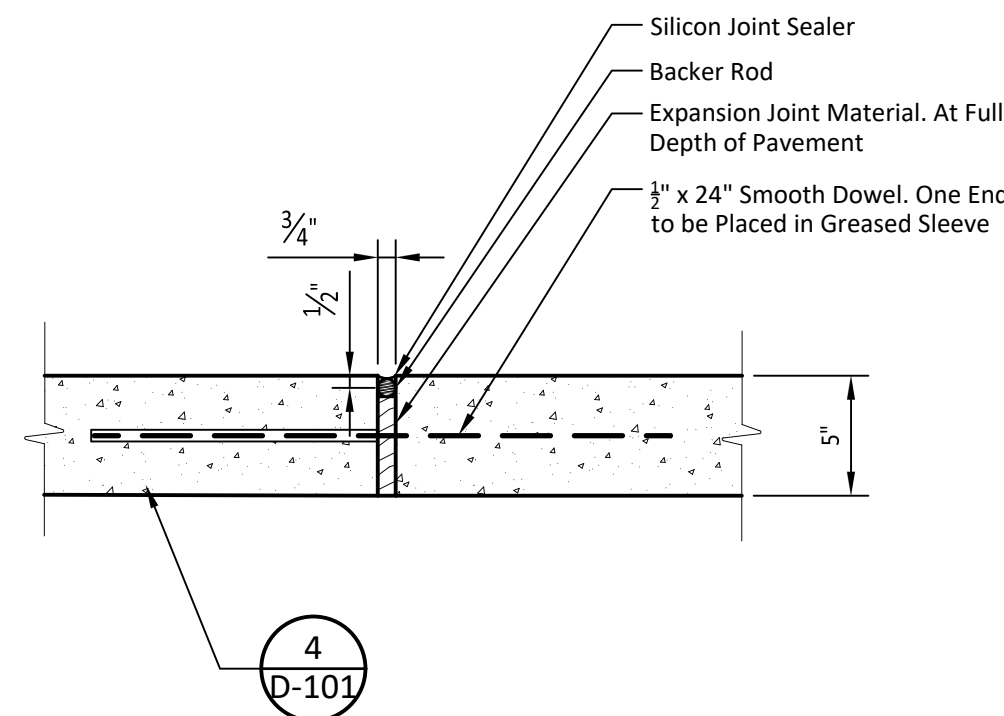
**3 (6') SURFACE MOUNT BENCH**  
3/8" = 1'-0" 129343.13-05



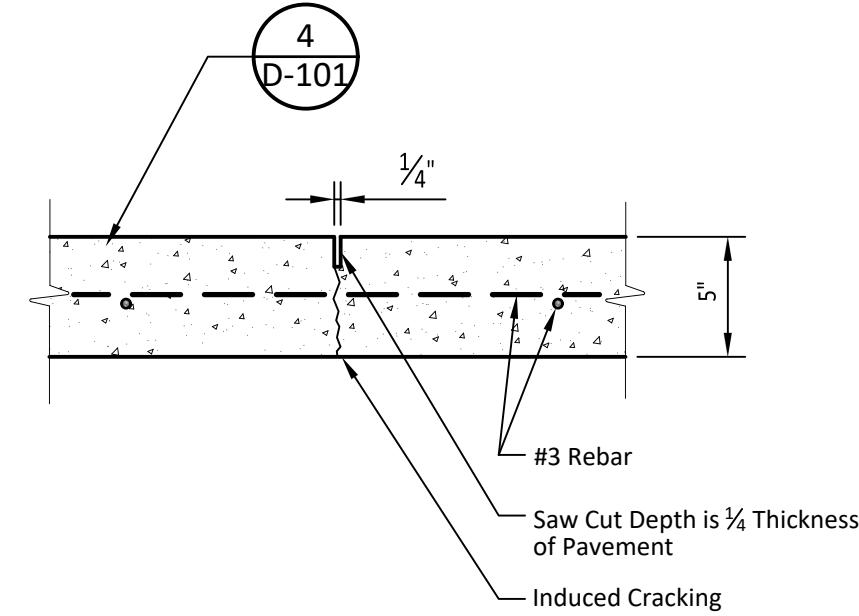
**4 TYPICAL 5' REINFORCED CONCRETE WALK**  
1 1/2" = 1'-0" 321313.13-13



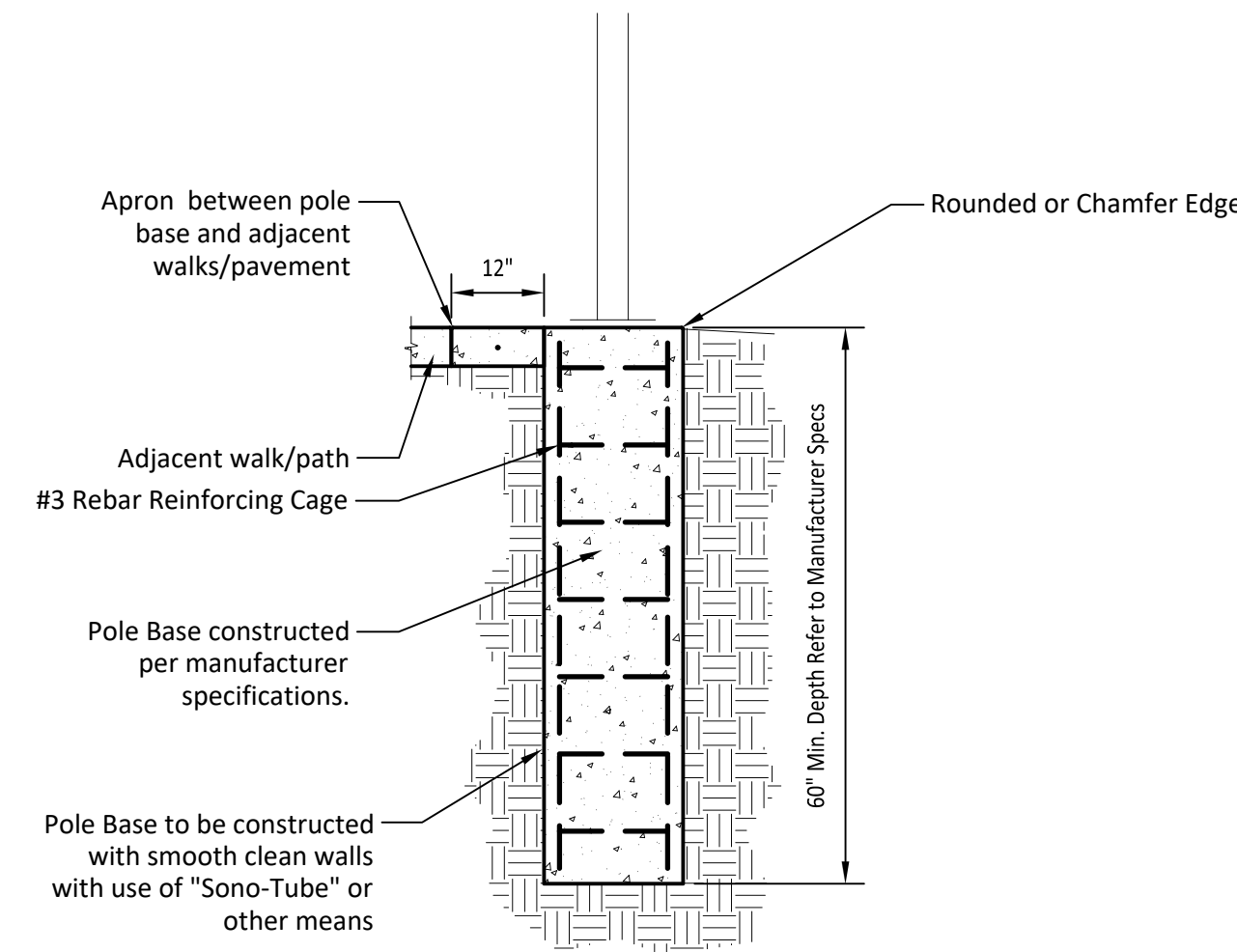
**5 MOWER CROSSING (5' WALK)**  
3/16" = 1'-0" 321313.13-05



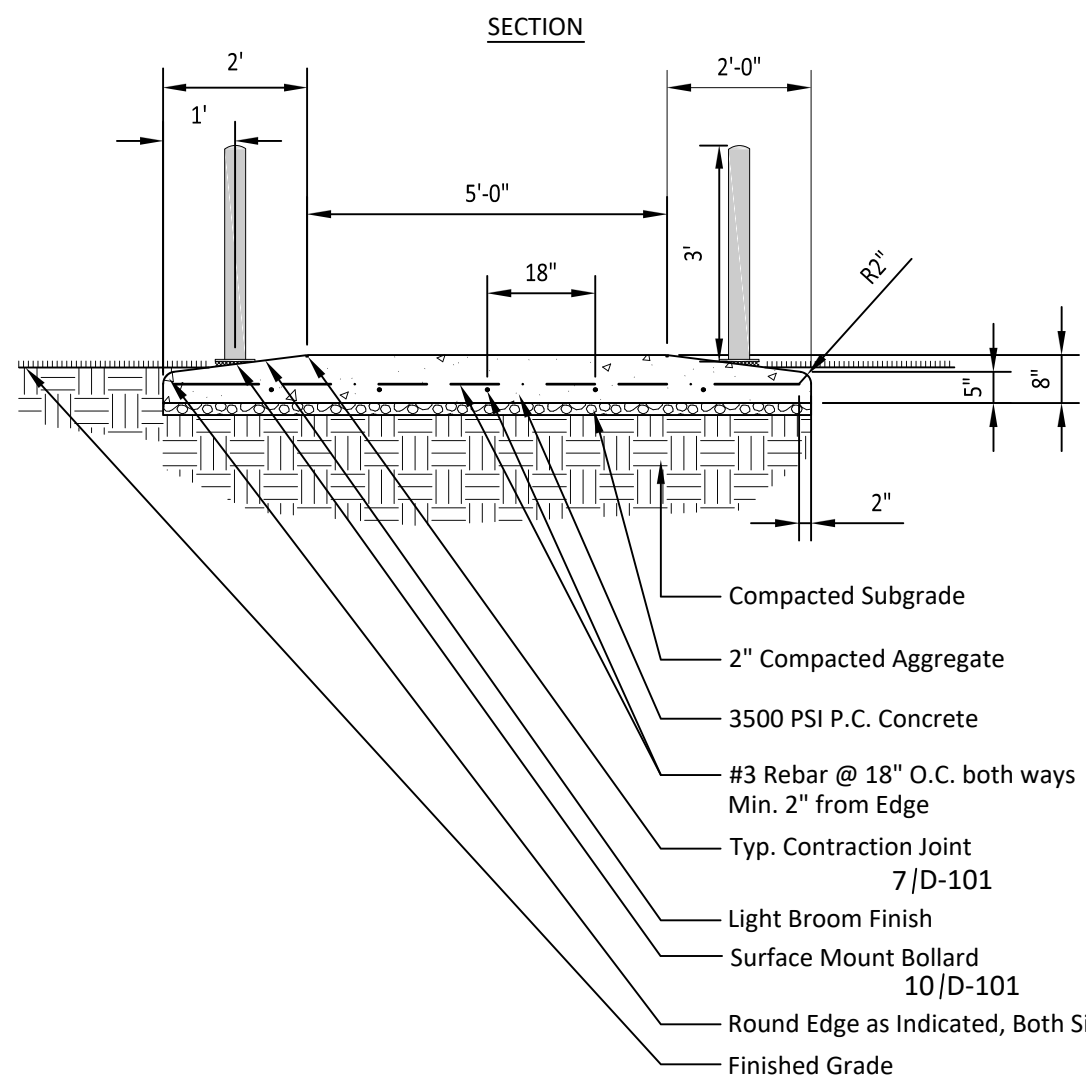
**6 TYPICAL EXPANSION JOINT**  
1 1/2" = 1'-0" 321313.13-11



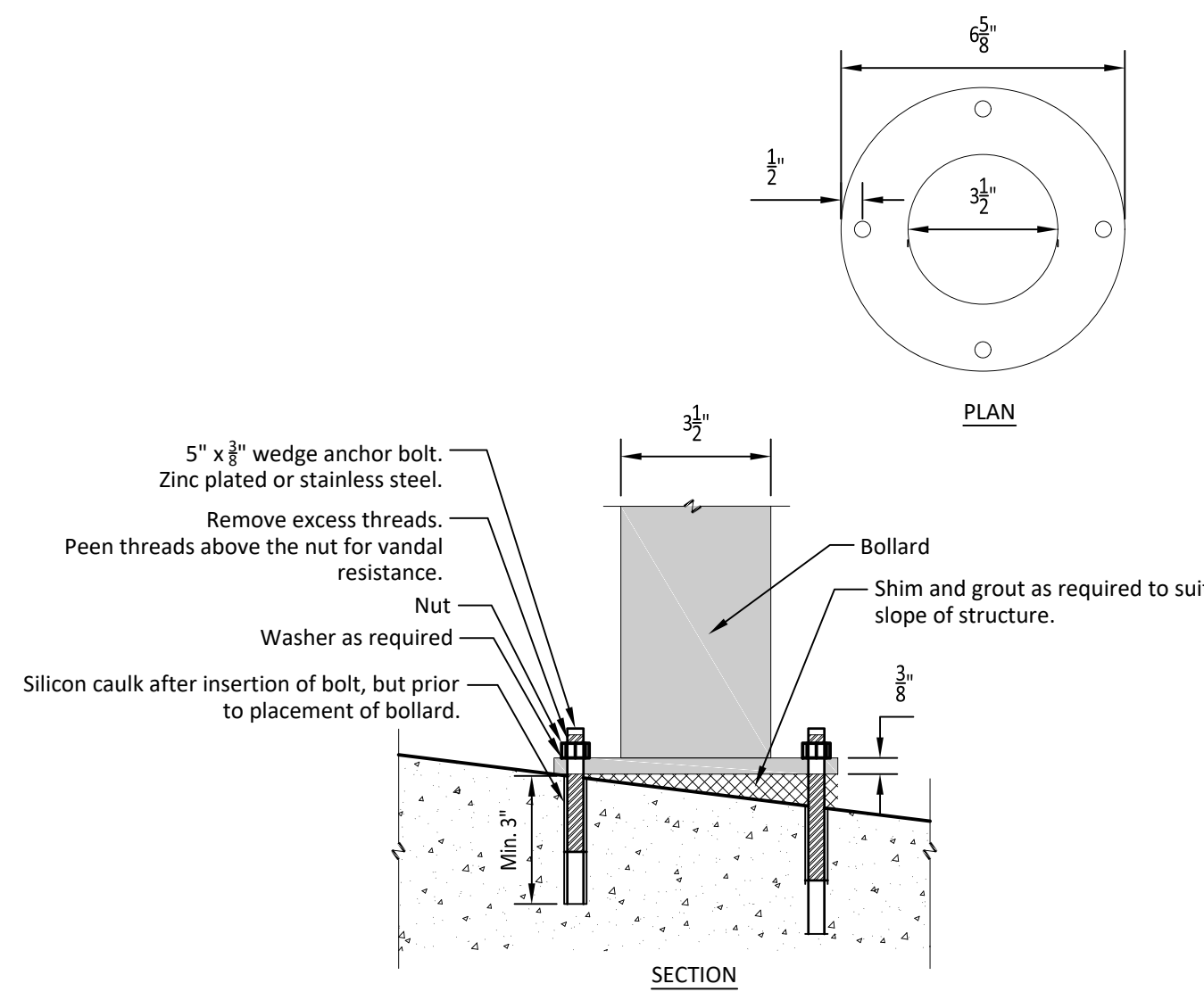
**7 TYPICAL CONTRACTION JOINT**  
1 1/2" = 1'-0" 321313.13-12



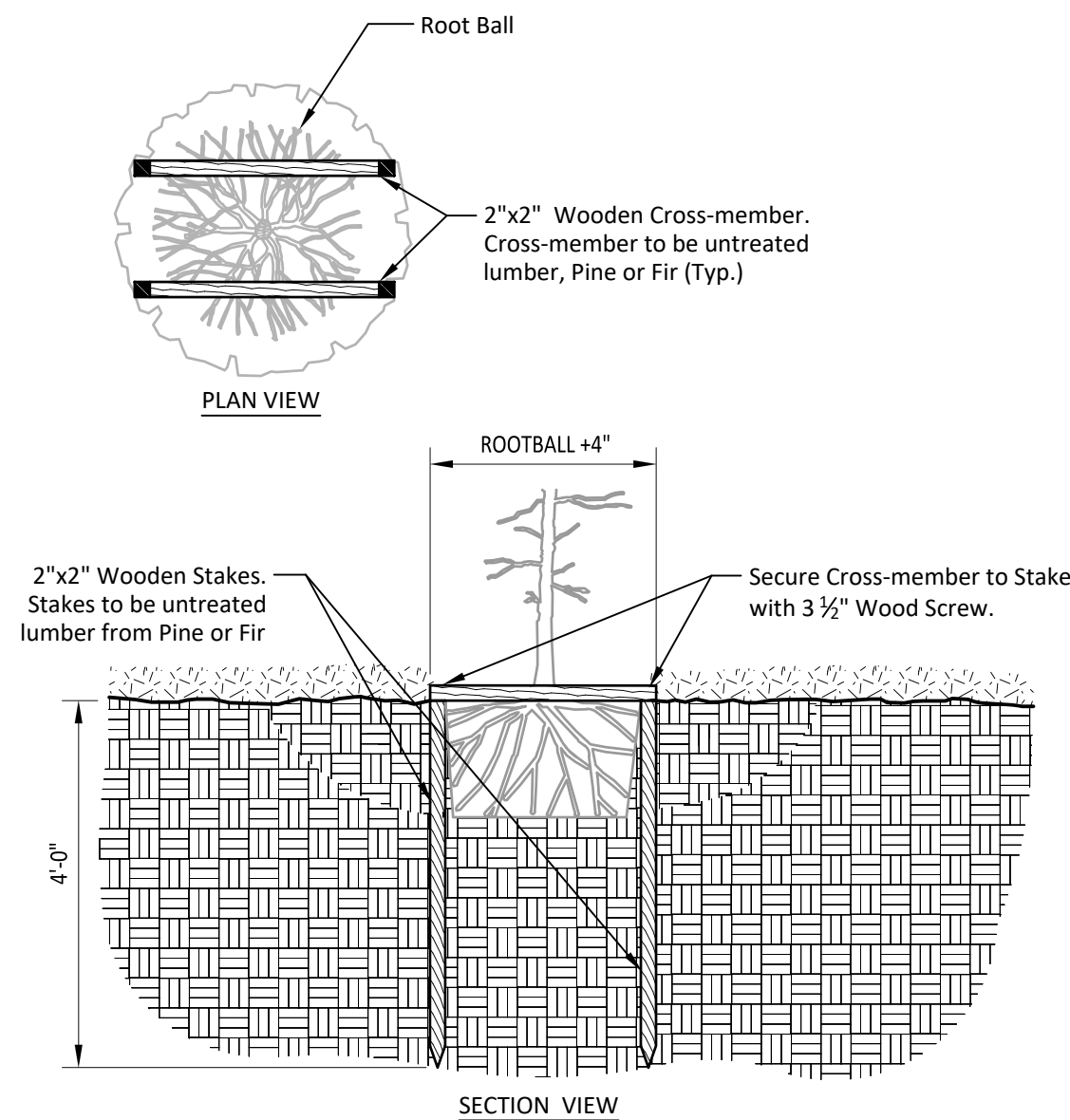
**8 TYPICAL POLE BASE**  
1/2" = 1'-0" 265613-01



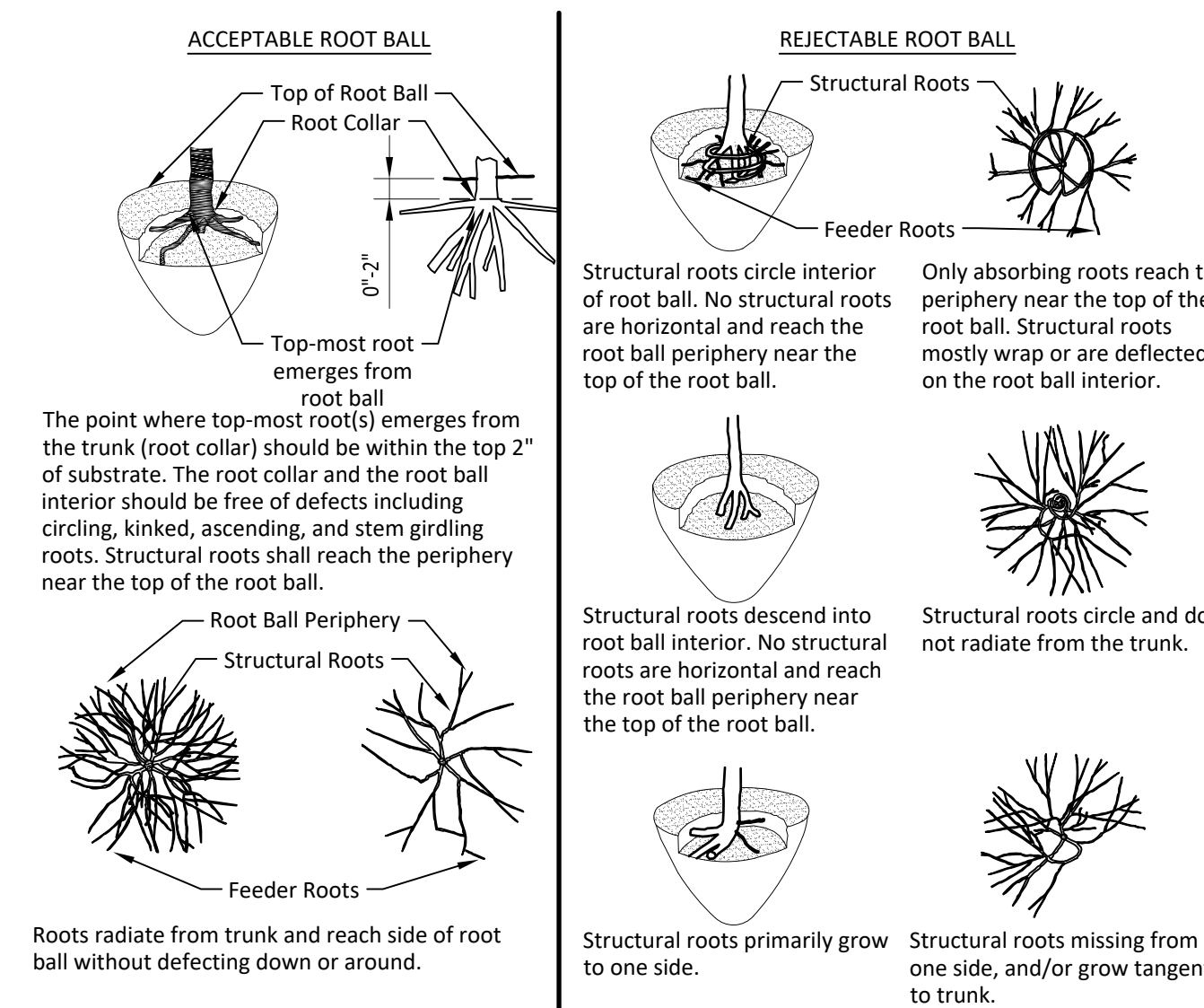
**9 TYPE I MOWER CROSSING SECTION (5' WALK)**  
3/8" = 1'-0" 321313.13-09



**10 SURFACE MOUNT METAL BOLLARD**  
3" = 1'-0" 323913-01

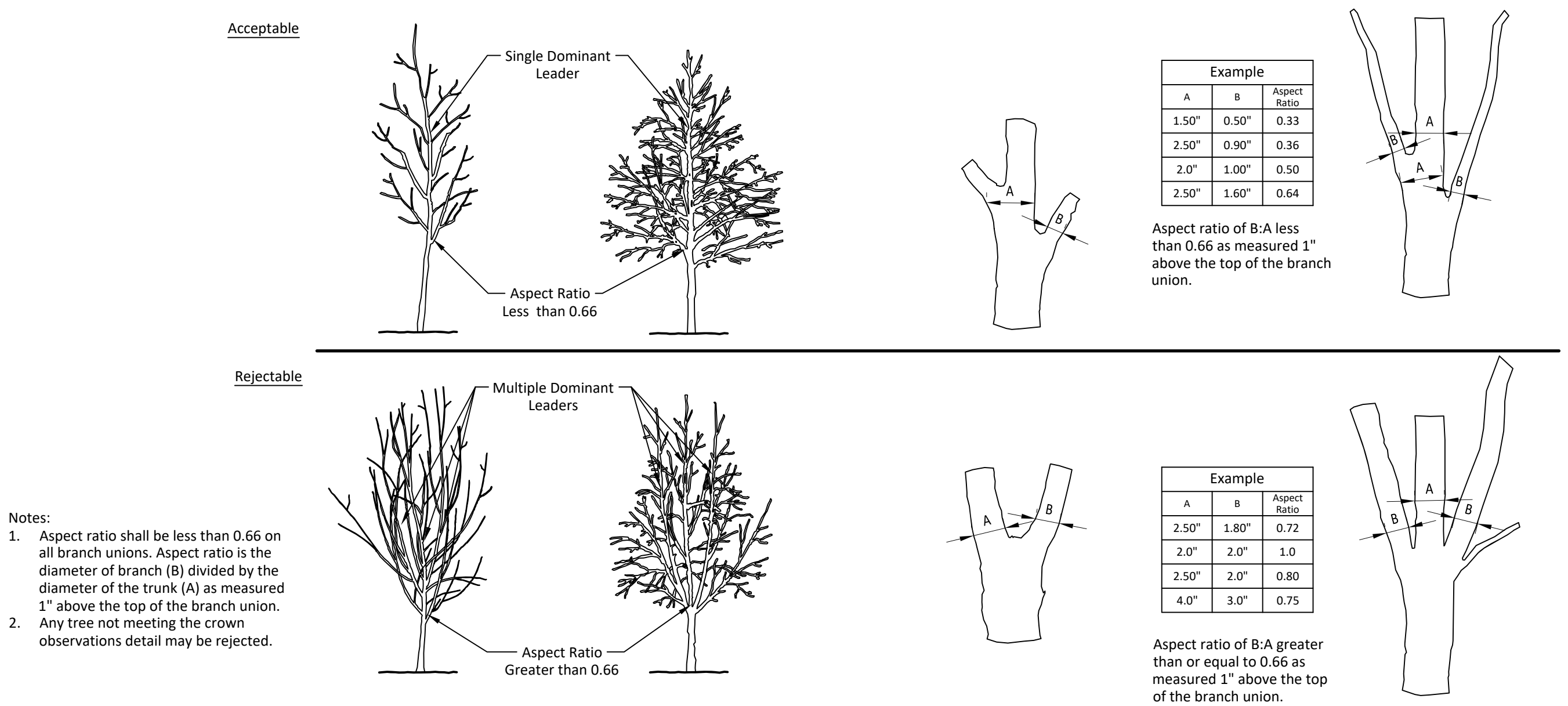


**11 TREE STAKING - LOW PROFILE**  
1/2" = 1'-0" 329343.43-30



**12 ROOT BALL OBSERVATION (B&B)**  
3/4" = 1'-0" 329343.33-30

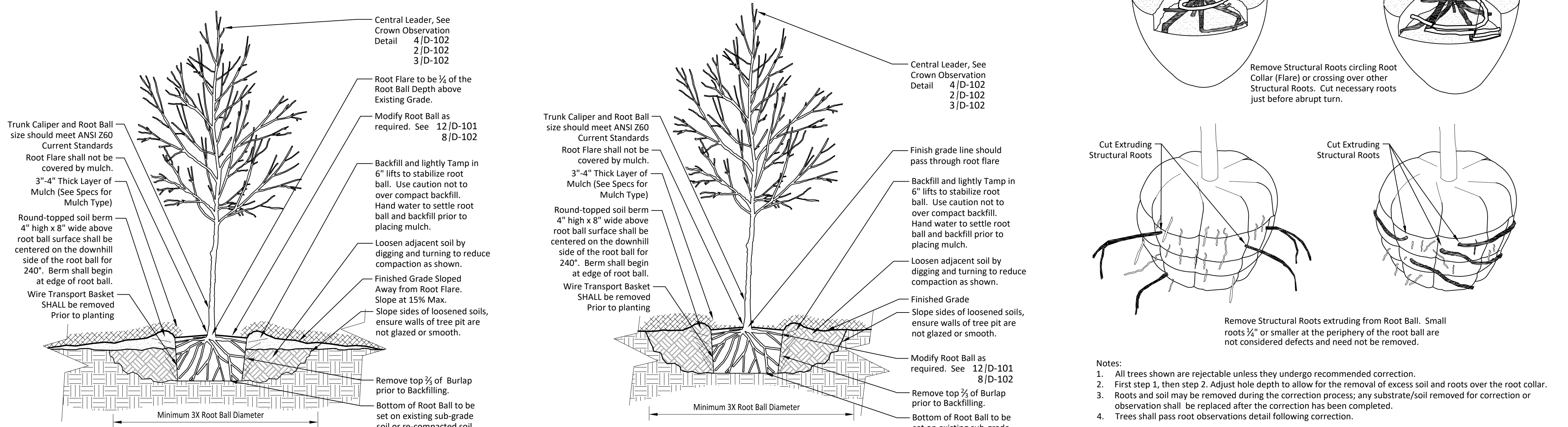




② CROWN OBSERVATION - HIGH BRANCHED TREE



### 1 CROWN CORRECTION EXAMPLE



ROOT BALL CORRECTION (B&B)



**SILT FENCE**

STORM WATER QUALITY MANAGEMENT DIVISION

312513-10

FORM 7.1

312513-10

**TRIANGULAR SILT DIKES**

STORM WATER QUALITY MANAGEMENT DIVISION

312513-11

FORM 7.2

312513-11

**STRAW WATTLE INSTALLATION**

STORM WATER QUALITY MANAGEMENT DIVISION

312513-12

FORM 7.3

312513-12

**TEMPORARY ROCK CONSTRUCTION ENTRANCE / EXIT**

STORM WATER QUALITY MANAGEMENT DIVISION

312513-13

FORM 7.4

312513-13

**TEMPORARY ROCK CONSTRUCTION ENTRANCE / EXIT FOR STEEP GRADES**

STORM WATER QUALITY MANAGEMENT DIVISION

312513-14

FORM 7.5

312513-14

**ROCK BAG SILT FENCE**

STORM WATER QUALITY MANAGEMENT DIVISION

312513-15

FORM 7.6

312513-15

**ROCK CHECK DAMS**

STORM WATER QUALITY MANAGEMENT DIVISION

312513-16

FORM 7.7

312513-16

**ROCK BAG CHECK DAMS**

STORM WATER QUALITY MANAGEMENT DIVISION

312513-17

FORM 7.8

312513-17

THE CITY OF OKLAHOMA CITY  
PARKS AND RECREATION  
DEPARTMENT  
PLANNING DIVISION

THE CITY OF OKLAHOMA CITY PARKS AND RECREATION DEPARTMENT  
420 W. MAIN STREET, SUITE 210, OKLAHOMA CITY, OK 73102 OFFICE: 405.297.3882

Improvements to Crown Heights Park  
Walks and Paths  
600 NW 38th Street  
OKLAHOMA CITY, OK

PROJECT NO.: MP-0542  
DRAWN BY: Staff  
APPROVED BY: BKB

SHEET NO.:  
**D-301**  
EROSION CONTROL DETAILS



**PLAN VIEW**

**SECTION A-A**

BACK OF SIDEWALK

PLACE ROCK BARRIER BAGS SUCH THAT NO GAPS ARE EVIDENT

CATCH BASIN

CURB INLET

PONDING AREA FOR SEDIMENT SEPARATION

BACK OF CURB

FLOW

SPILLWAY

PLACE FILTER FABRIC UNDER GRATE AND ON BACK OF GRATE TO BE HELD WITH ROCK BARRIER BAGS SUCH THAT NO GAPS ARE EVIDENT

PONDING HEIGHT

SIDEWALK

CATCH BASIN

**NOTES:**

1. PLACE CURB TYPE ROCK BAG BARRIER ON GENTLY SLOPING STREET, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. BAGS OF WOVEN GEOTEXTILE FABRIC, FILLED WITH GRAVEL MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW ON THE SIDE AWAY FROM FLOW, TO PROVIDE A SPILLWAY, OR IN THE CENTER IF PONDING IS NEEDED ON BOTH SIDES.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT, SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

**ROCK BAG CURB INLET BARRIER**

STORM WATER QUALITY MANAGEMENT DIVISION

DESIGNED BY: [Signature] DATE: 03/05/13

CHECKED BY: [Signature] DATE: 03/05/13

THE CITY OF OKLAHOMA CITY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

FORM 7.9

**PLAN VIEW**

**SECTION**

DRAIN GRATE

PLACE ROCK BARRIER BAGS SUCH THAT NO GAPS ARE EVIDENT

ROCK BAGS

1" ROCK CONTAINED IN SYNTHETIC NET BAGS (33 MM MESH), APPROXIMATELY TWENTY-FOUR (24") INCH LONG, TWELVE (12") INCHES WIDE AND SIX (6") INCHES HIGH.

ROCK BARRIER BAGS CAN BE A DOUBLE OR SINGLE LAYER AS NEEDED.

ANCHOR WITH T-PINS

WATER

DROP INLET

PLACE ROCK BARRIER BAGS SUCH THAT NO GAPS ARE EVIDENT

FILTER FABRIC

PONDING HEIGHT

**NOTE:**

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. USE T-PINS TO ANCHOR FIBER MAT INTO THE SOIL.
3. A "REASONABLE" DESIGN SIZE PARTICLE TO CAPTURE MUST BE SELECTED.
4. SIZE DISTRIBUTION OF UPSTREAM SOIL PARTICLES MUST BE EVALUATED.
5. INFLOW AND OUTFLOW FROM THE SYSTEM FOR A SPECIFIC FREQUENCY STORM MUST BE KNOWN.
6. POND VOLUME IS DIRECTLY PROPORTIONAL TO THE DISCHARGE RATE OF WATER FROM THE SYSTEM.
7. POND VOLUME IS INVERSELY PROPORTIONAL TO THE MASS OF THE DESIGN SIZE SUSPENDED PARTICLE.
8. A SYSTEM MUST PROVIDE SUFFICIENT FLOW TO ALLOW FOR DEPOSITION OF DESIGN SIZE PARTICLES.
9. THE PONDING HEIGHT MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

**ROCK BAG / FILTER MAT DROP INLET SEDIMENT BARRIER**

STORM WATER QUALITY MANAGEMENT DIVISION

DESIGNED BY: [Signature] DATE: 03/05/13

CHECKED BY: [Signature] DATE: 03/05/13

THE CITY OF OKLAHOMA CITY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

FORM 7.10

**PLAN VIEW**

**SECTION**

BACK OF CURB

T-PIN TO ANCHOR

CURB INLET

36" WIDE FILTER MAT

BACK OF CURB

CURB INLET

**NOTES:**

1. USE FILTER MAT SEDIMENT BARRIER WHEN CURB INLET IS LOCATED IN GENTLY SLOPING STREET, WITH MINIMAL NEED, WHERE WATER CAN FILTER AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. BARRIER SHALL ALLOW FOR OVERFLOW FROM SEVERE STORM EVENT.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

**CURB INLET FILTER MAT SEDIMENT BARRIER**

STORM WATER QUALITY MANAGEMENT DIVISION

DESIGNED BY: [Signature] DATE: 03/05/13

CHECKED BY: [Signature] DATE: 03/05/13

THE CITY OF OKLAHOMA CITY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

FORM 7.11

**ISOMETRIC ASSEMBLY**

Storm grate

Curb opening

Lift straps

Curb filter

Reinforced corners

Optional flow ports

Managable 2 foot containment area

Dumping straps

**NOTES:**

1. Remove the grate from the catch basin.
2. Stand grate on end. Move the top lifting straps out of the way and place grate into the unit so that the grate is below the top straps and above the lower straps. The grate should be cradled between the upper and lower straps.
3. Holding the lifting straps, insert the grate into the inlet, being careful that the grate remains in place and being careful not to damage the unit.
4. Remove all accumulated sediment and debris from the vicinity of unit after each storm event.
5. After each storm event and at regular intervals, look into the unit. If the unit is more than 1/3 full of accumulated sediment, the unit must be emptied.
6. To empty the unit, using the lifting straps lift the unit out of the inlet and remove the grate. Transport the unit to an appropriate location for removal of contents. Holding the dumping straps on the bottom of the unit, turn the unit upside down, emptying the contents. Reinstall unit as above.

**CURB INLET SEDIMENT BAG**

STORM WATER QUALITY MANAGEMENT DIVISION

DESIGNED BY: [Signature] DATE: 03/05/13

CHECKED BY: [Signature] DATE: 03/05/13

THE CITY OF OKLAHOMA CITY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

FORM 7.12

1 ROCK BAG INLET BARRIER 31 2513-18

2 ROCK BAG INLET BARRIER TYPE 2 31 2513-19

3 CURB INLET FABRIC BARRIER 31 2513-20

4 CURB INLET SEDIMENT BAG 31 2513-21

**ISOMETRIC ASSEMBLY**

Storm Grate

Lift Straps

Managable 2 foot containment area

Reinforced Corners

Optional outflow ports

Dumping straps

**NOTES:**

1. Remove the grate from the catch basin.
2. Stand grate on end. Move the top lifting straps out of the way and place grate into the unit so that the grate is below the top straps and above the lower straps. The grate should be cradled between the upper and lower straps.
3. Holding the lifting straps, insert the grate into the inlet, being careful that the grate remains in place and being careful not to damage the unit.
4. Remove all accumulated sediment and debris from the vicinity of unit after each storm event.
5. After each storm event and at regular intervals, look into the unit. If the unit is more than 1/3 full of accumulated sediment, the unit must be emptied.
6. To empty the unit, using the lifting straps lift the unit out of the inlet and remove the grate. Transport the unit to an appropriate location for removal of contents. Holding the dumping straps on the bottom of the unit, turn the unit upside down, emptying the contents. Reinstall unit as above.

**DROP INLET SEDIMENT BAG**

STORM WATER QUALITY MANAGEMENT DIVISION

DESIGNED BY: [Signature] DATE: 03/05/13

CHECKED BY: [Signature] DATE: 03/05/13

THE CITY OF OKLAHOMA CITY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

FORM 7.13

**NEW ROADWAYS**

CONCRETE CURB (OPTIONAL)

ROADWAY

18" MIN. SLAB SOD (BOTH SIDES)

GRASS

NEW ROADWAY

**STORM WATER QUALITY MANAGEMENT DIVISION**

DESIGNED BY: [Signature] DATE: 03/05/13

CHECKED BY: [Signature] DATE: 03/05/13

THE CITY OF OKLAHOMA CITY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

FORM 7.14

**CONCRETE FLUME**

18" MINIMUM SLAB SOD BOTH SIDES

CONCRETE FLUME

CONCRETE CHANNEL

**TYPICAL FLUME DETAIL CONCRETE CHANNEL**

18" MINIMUM SLAB SOD BOTH SIDES

CONCRETE FLUME

TYPICAL EARTH CHANNEL

**TYPICAL FLUME DETAIL EARTH CHANNEL**

**STORM WATER QUALITY MANAGEMENT DIVISION**

DESIGNED BY: [Signature] DATE: 03/05/13

CHECKED BY: [Signature] DATE: 03/05/13

THE CITY OF OKLAHOMA CITY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

FORM 7.15

**ISOMETRIC VIEW**

MATS / BLANKETS SHOULD BE INSTALLED VERTICALLY DOWN SLOPE

2' SLOPE

12" MIN.

MIN. 4" OVERLAP

**TYPICAL SLOPE SOIL STABILIZATION**

**NOTES:**

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS / BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

**EROSION BLANKET & TURF REINFORCEMENT MATS - SLOPE INSTALLATION**

STORM WATER QUALITY MANAGEMENT DIVISION

DESIGNED BY: [Signature] DATE: 03/05/13

CHECKED BY: [Signature] DATE: 03/05/13

THE CITY OF OKLAHOMA CITY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

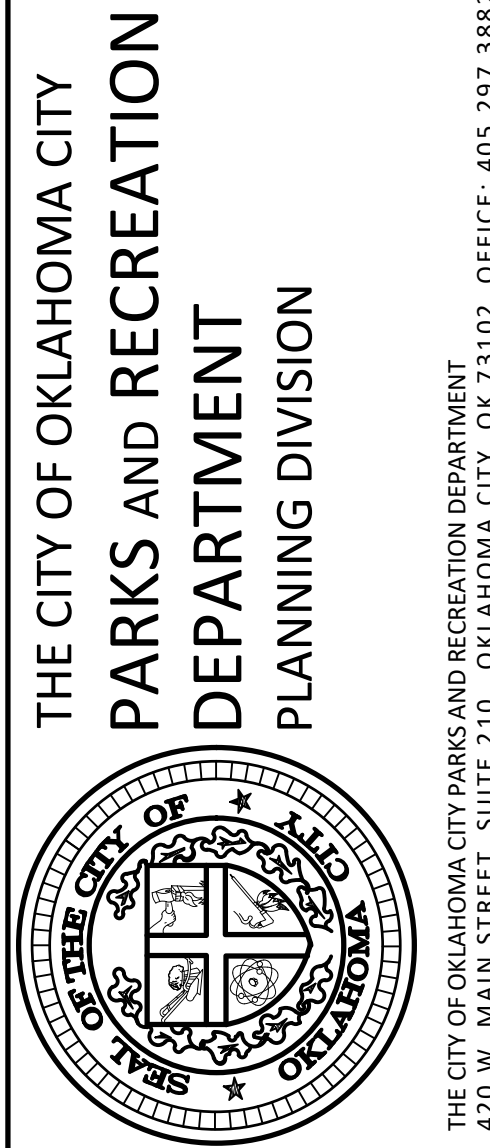
FORM 7.16

5 DROP INLET SEDIMENT BAG 31 2513-22

6 NEW ROADWAYS AND PAVEMENT PROTECTION 31 2513-23

7 CONCRETE FLUME PROTECTION 31 2513-24

8 TURF REINFORCEMENT MATS - SLOPE INSTALLATION 31 2513-25



Improvements to Crown Heights Park  
Walks and Paths

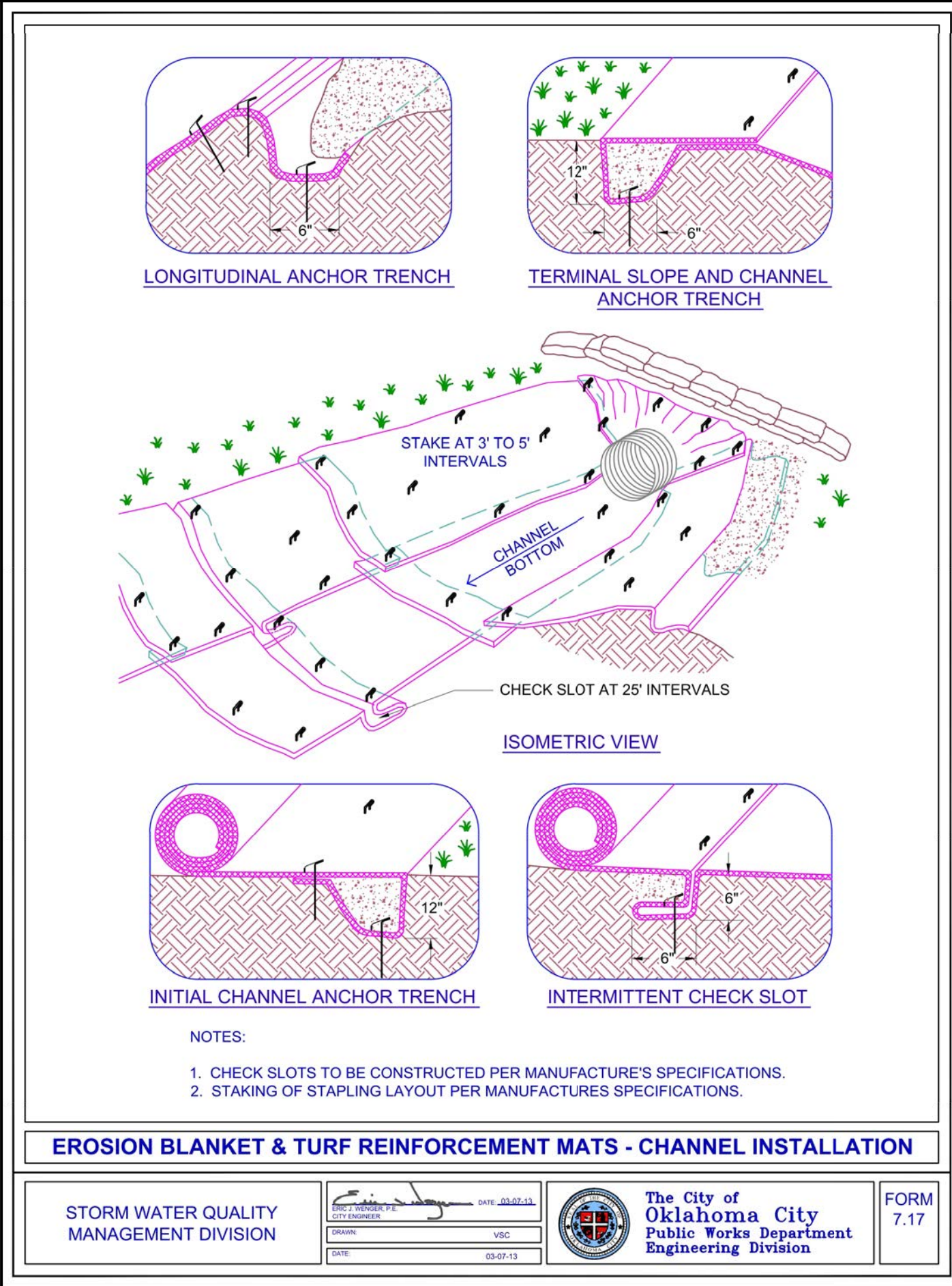
600 NW 38th Street  
OKLAHOMA CITY, OK

PROJECT NO.: MP-0542  
DRAWN BY: Staff  
APPROVED BY: BKB

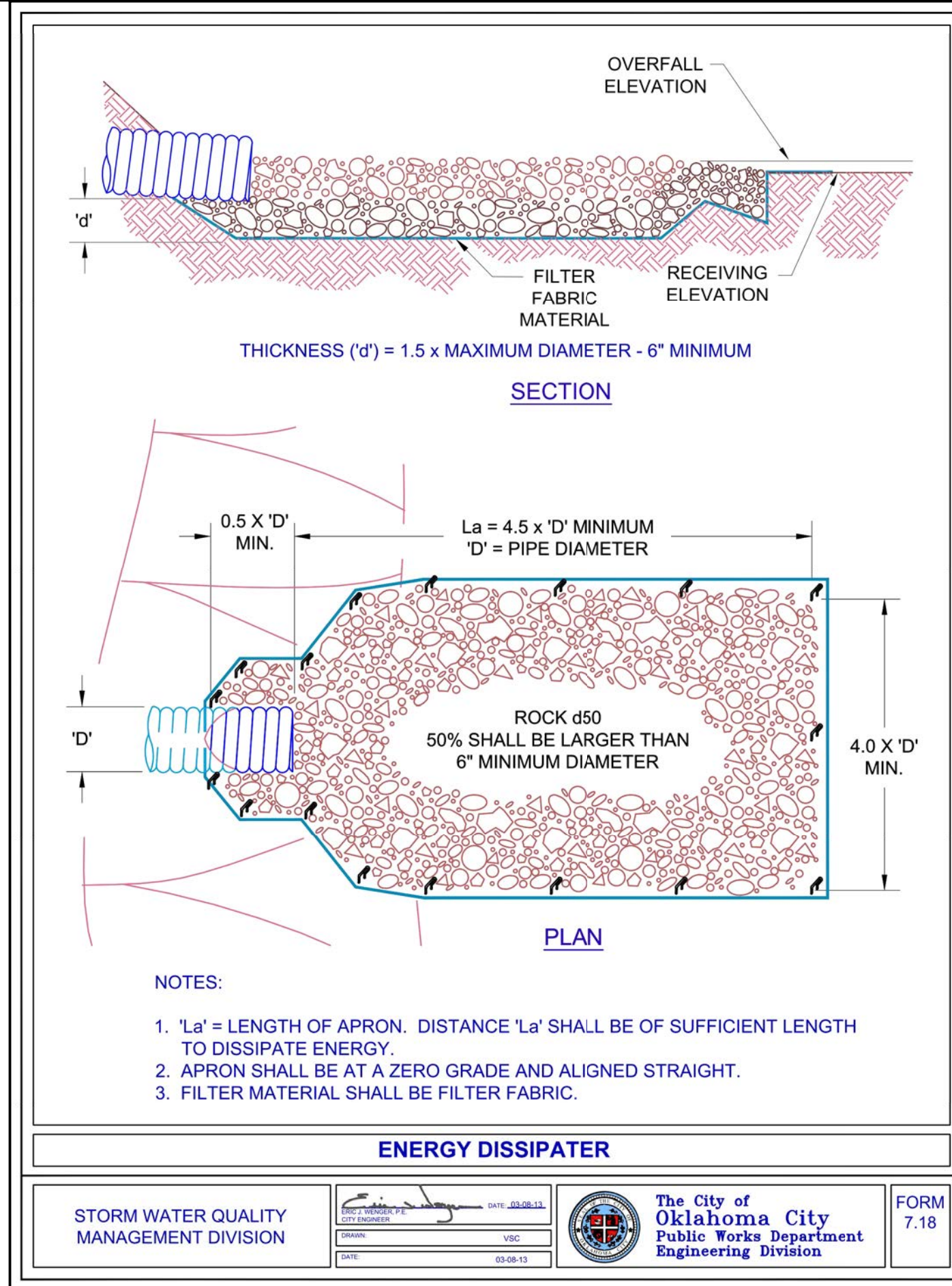
ISSUE:	DATE:
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SHEET NO.:  
**D-302**  
EROSION CONTROL DETAILS

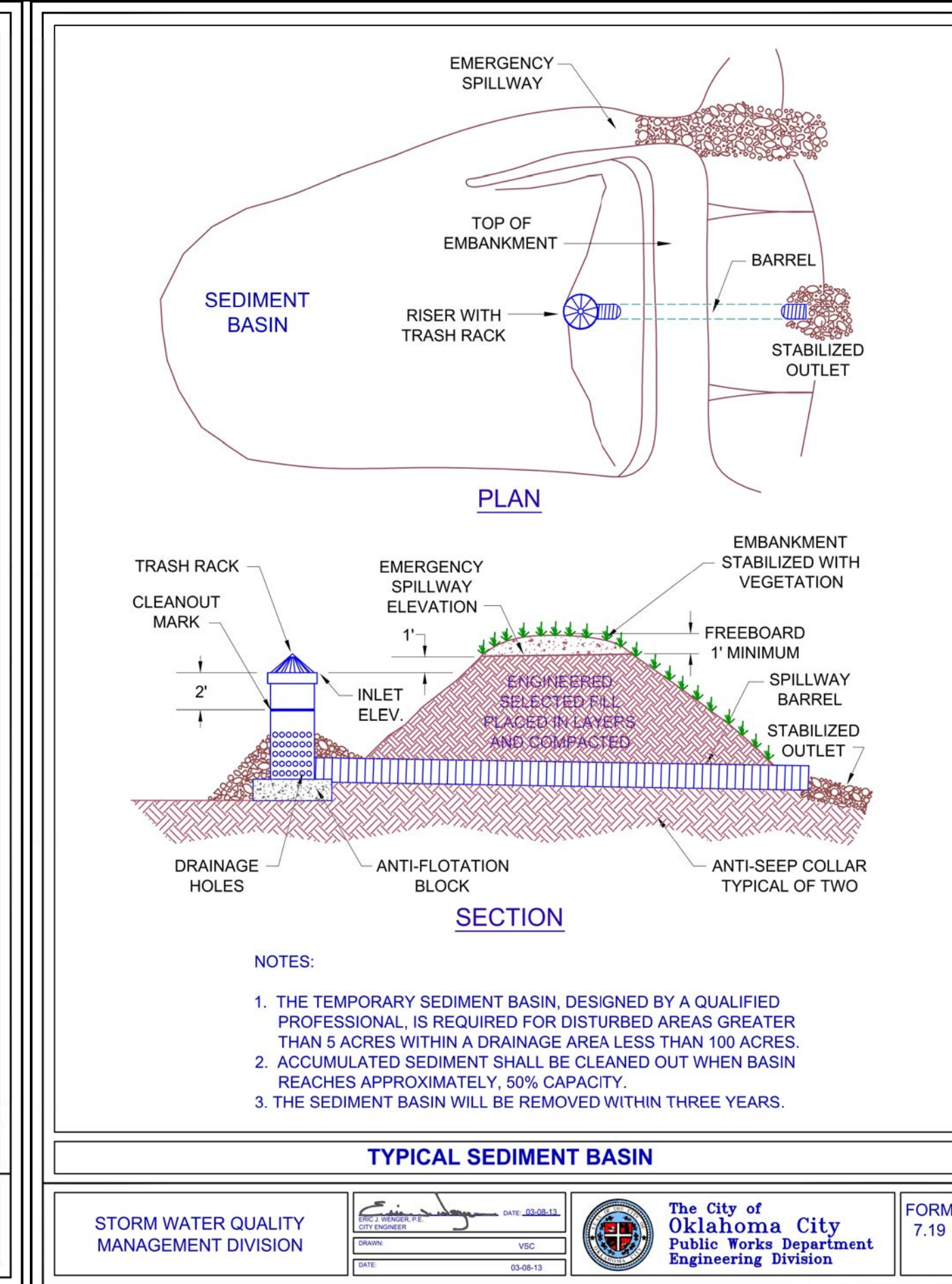




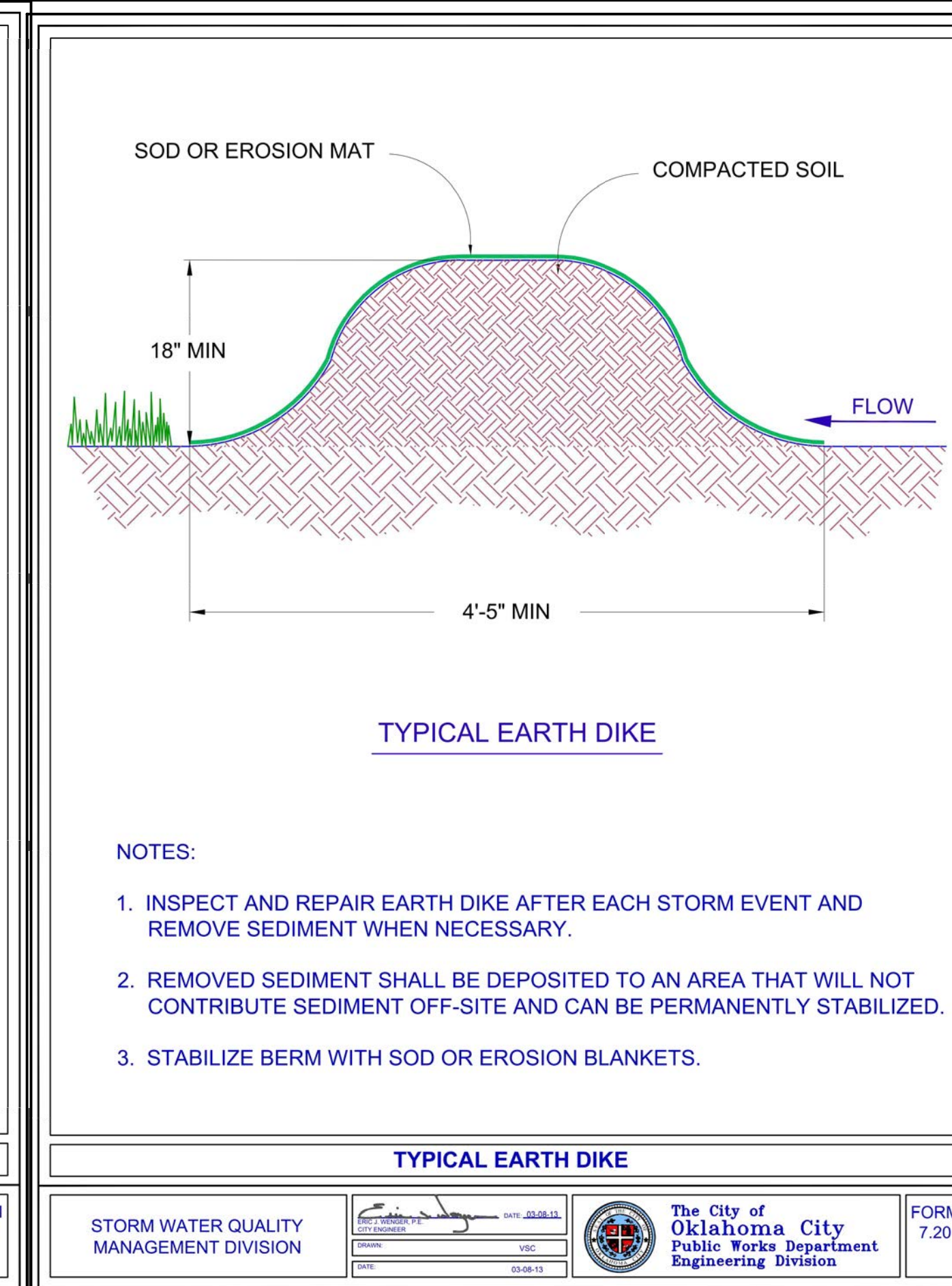
1 TURF REINFORCEMENT MATS - CHANNEL INSTALLATION 312513-26



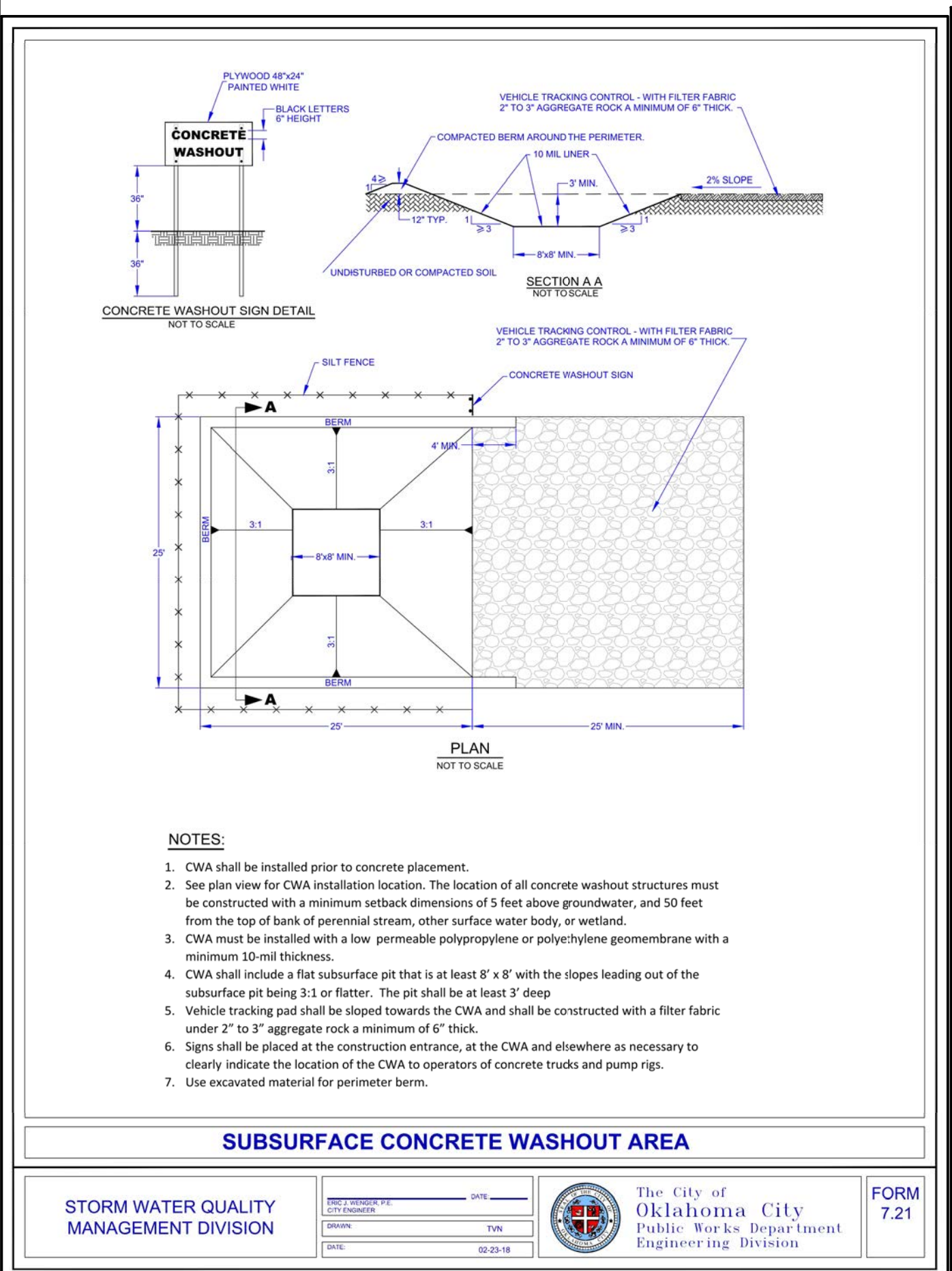
2 ROCK ENERGY DISSIPATER 312513-27



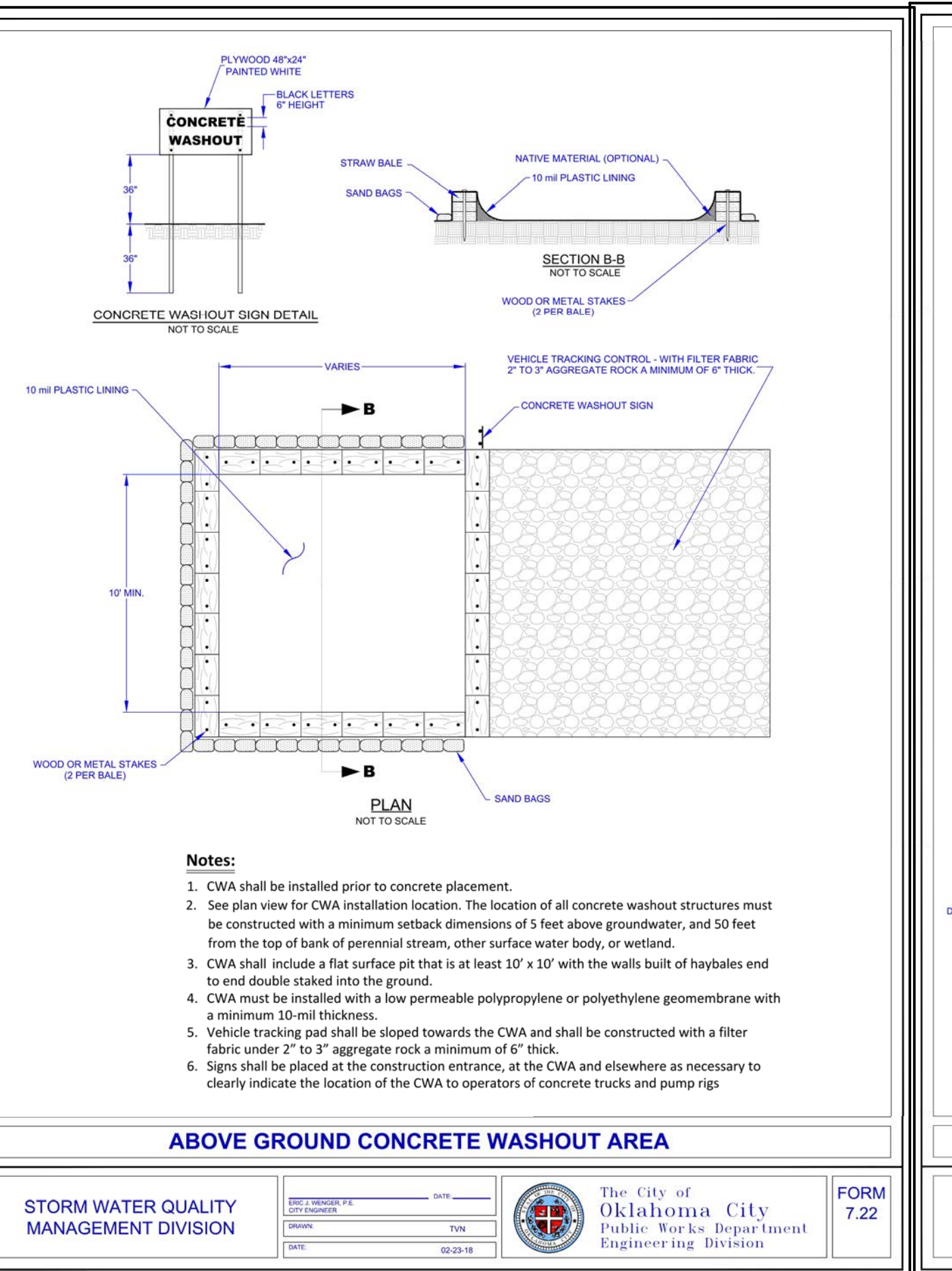
3 SEDIMENT BASIN 312513-28



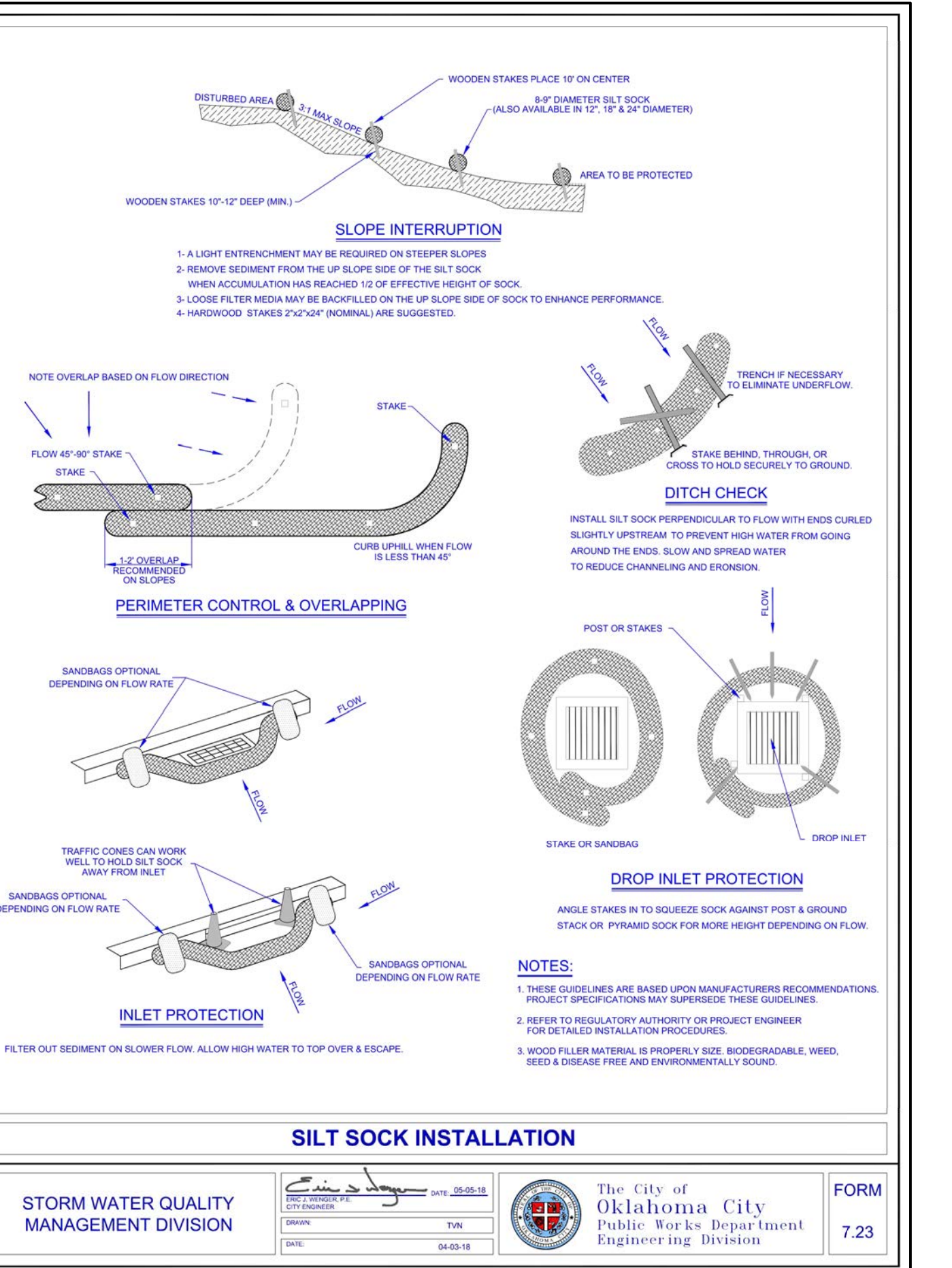
4 EARTH DIKE 312513-29



5 SUBSURFACE CONCRETE WASHOUT 312513-30

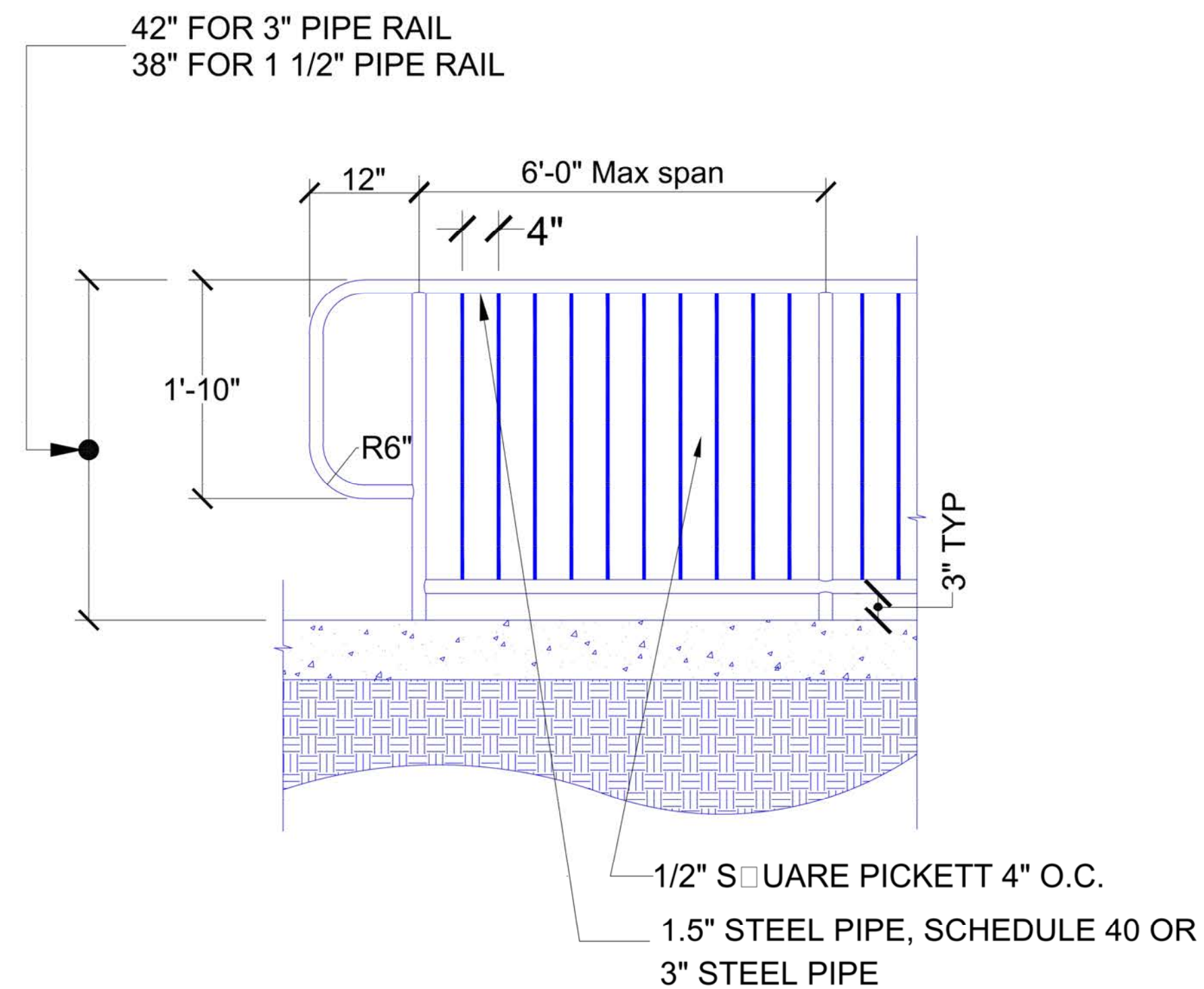


6 ABOVE GROUND CONCRETE WASHOUT 312513-31



7 SILT SOCK INSTALLATION 312513-32

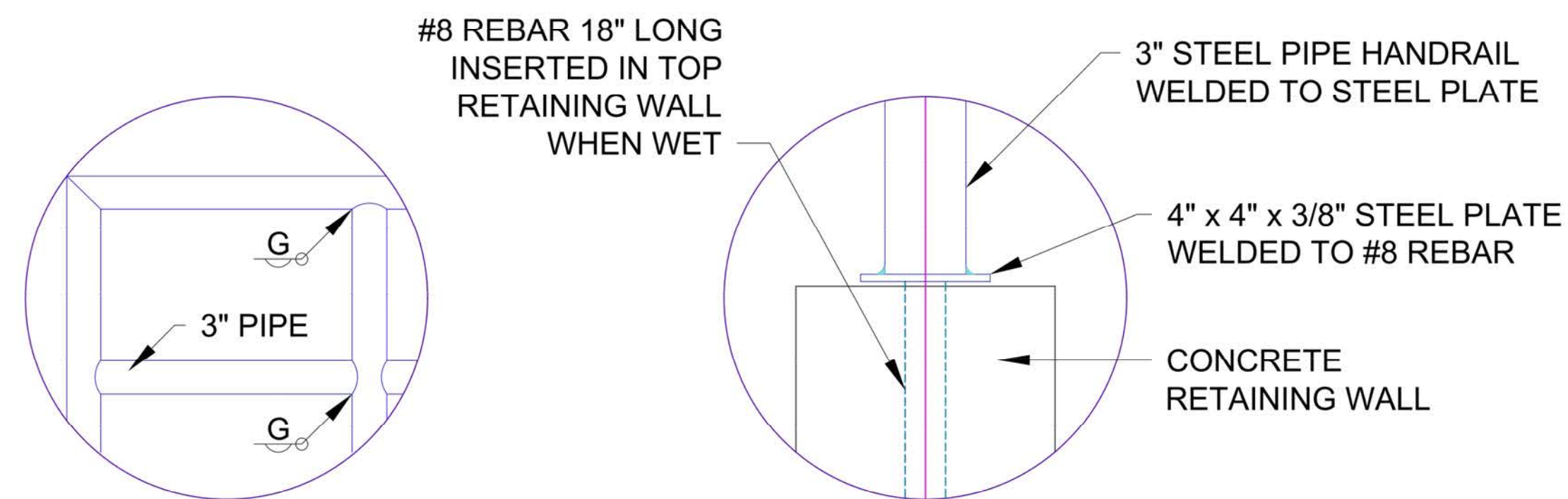




## PEDESTRIAN HANDRAIL DETAIL

NOTES:

1. Vertical tubes to be set on 6' centers, 4" clear from back edge of sidewalk.
2. Materials shall comply with the Std. Specifications.  
Submit shop drawing for approval prior to fabrication.
3. All materials shall be galvanized or galvanized / powder coated as specified in the proposal.
4. 3" steel pipe required when railing is adjacent to traffic.



ALTERNATE DETAIL  
(USING WELDED CONNECTIONS  
ON PIPE HANDRAIL)

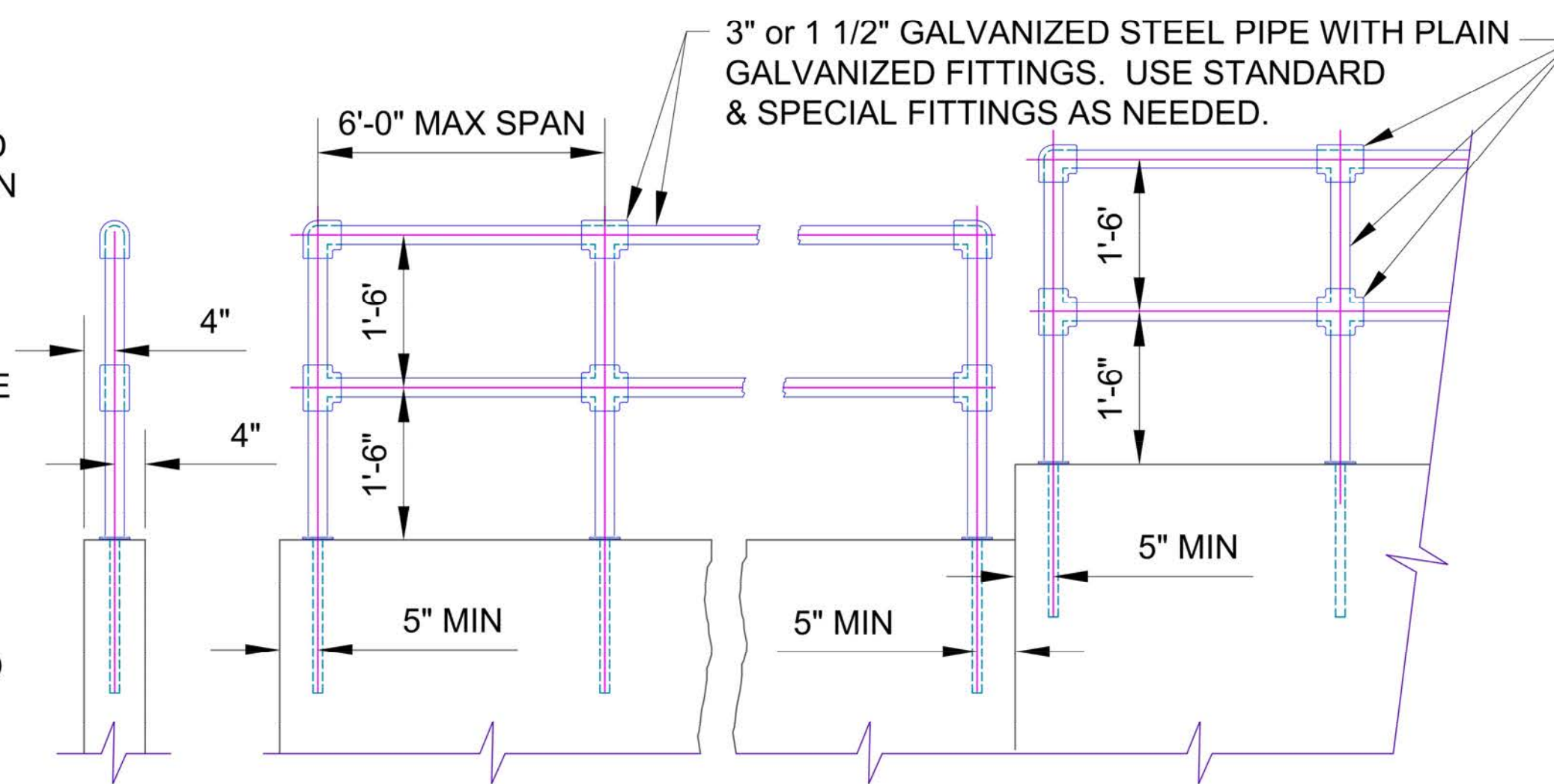
## HANDRAIL ATTACHMENT DETAIL

HANDRAIL NOTES:

PIPE HANDRAIL SHALL BE PLACED  
ON RETAINING WALLS ONLY WHEN  
CALLED FOR ON THE PLANS.

WELDED CONNECTIONS MAY BE USED FOR PIPE HANDRAILS. WELDED CONNECTIONS SHALL BE THOROUGHLY CLEANED OF ALL LOOSE SCALE, GROUND SMOOTH AND SPOT PAINTED WITH TWO COATS OF ZINC RICH PAINT.

SHOP DETAILS FOR ALL PIPE  
HANDRAILS SHALL BE SUBMITTED  
FOR APPROVAL.

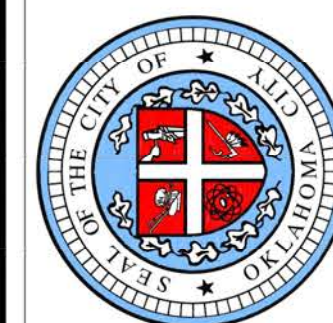



## TYPICAL ELEVATION OF HANDRAIL

GENERAL NOTES:

ALL CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE OKLAHOMA CITY STANDARD SPECIFICATIONS  
ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4" CHAMFER.  
ALL CONCRETE SHALL BE CLASS "A" CONCRETE 3500 PSI.  
EXPANSION JOINTS SHALL BE AT A MAXIMUM OF 30'-0" INTERVALS.  
ALL REINFORCING STEEL BARS SHALL BE DEFORMED BARS COLD BENT, NO WELDS PERMITTED.  
ALL EXPOSED CONCRETE SURFACES SHALL HAVE A CARBORUNDUM FINISH.  
THIS DETAIL ADAPTED FROM O.D.O.T RETAINING WALL RW-1.

## HEAVY DUTY - 3" PIPE RAILING and LIGHT DUTY - 1.5" PIPE RAILING



APPROVED BY:  DATE: 6-7-2017  
ERIC J. WENGER, P.E.  
CITY ENGINEER

DRAWN: TVN

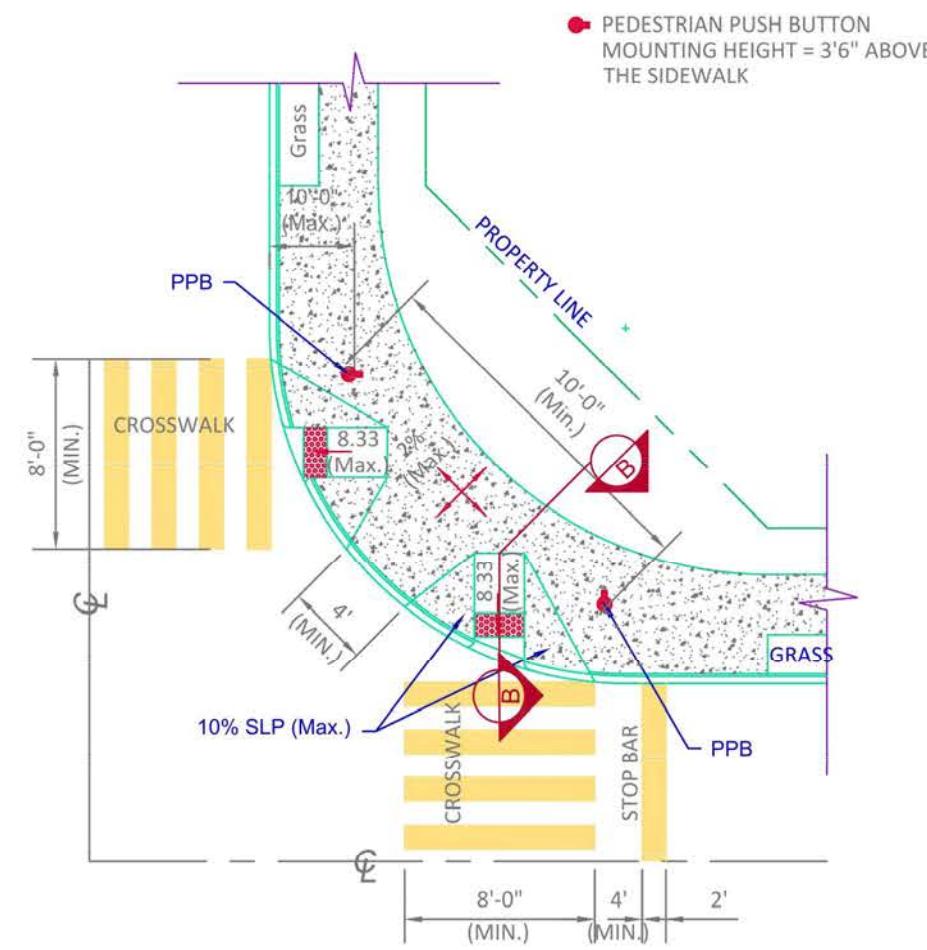
DATE: 6-7-2017

## PEDESTRIAN HANDRAIL DETAIL

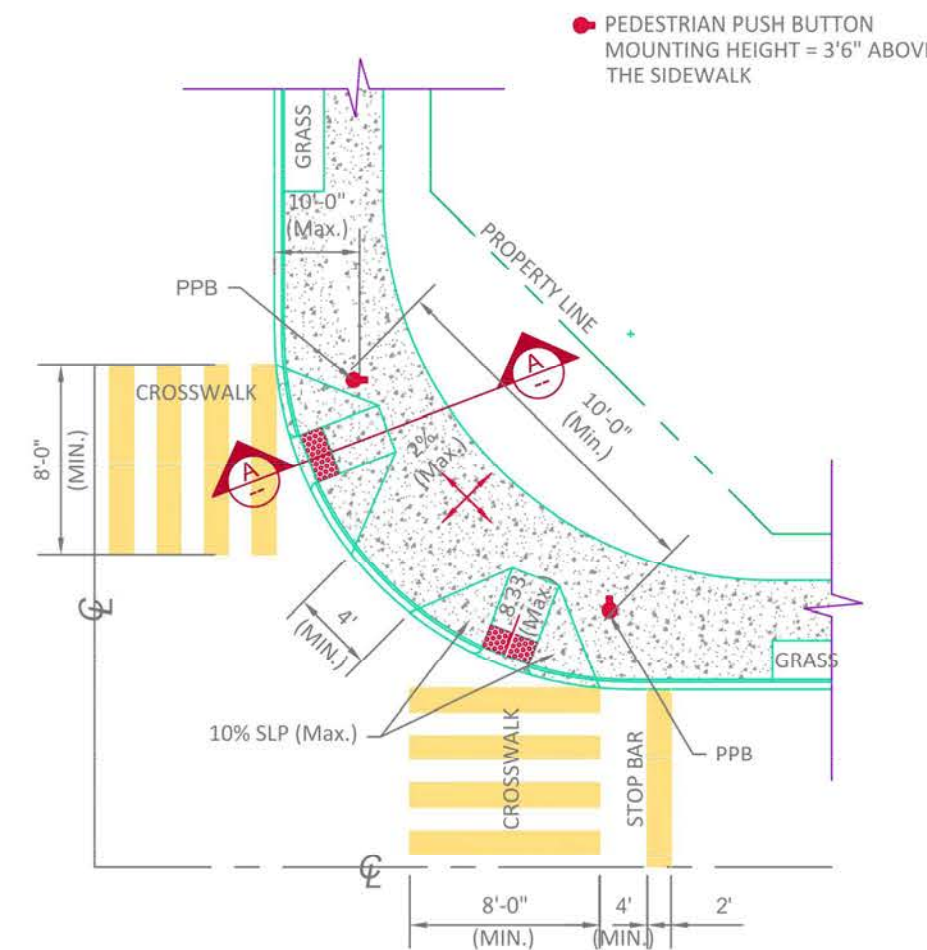
Drawing Number

D-505

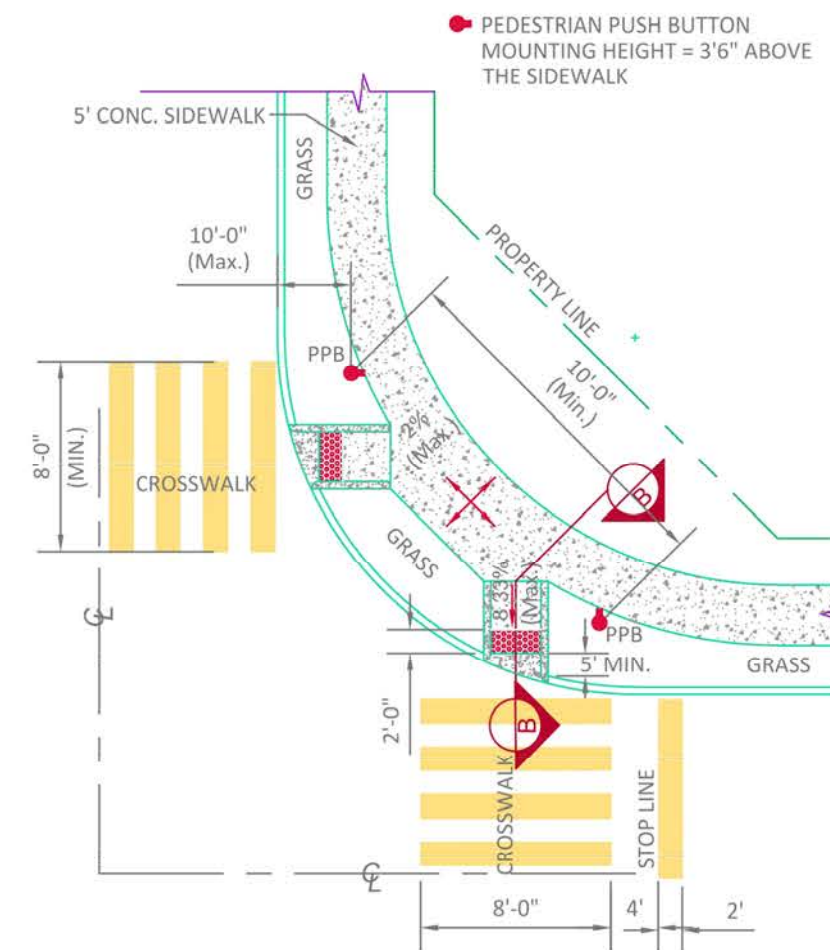




**CURB RAMP  
TYPE "A"**

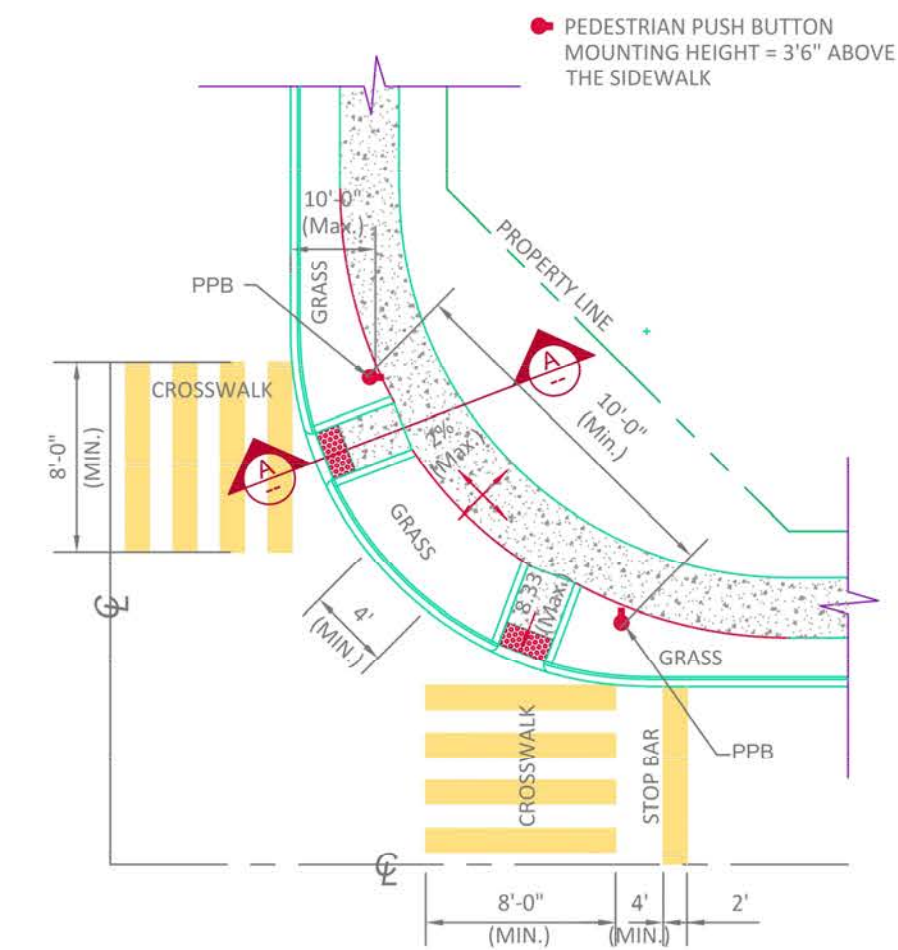


**CURB RAMP  
TYPE "A-1"**

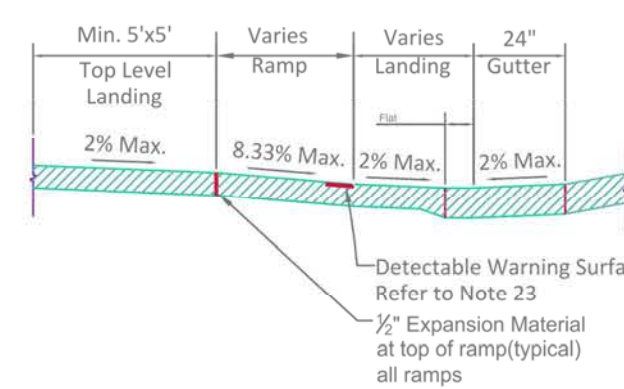


**CURB RAMP  
TYPE "B"**

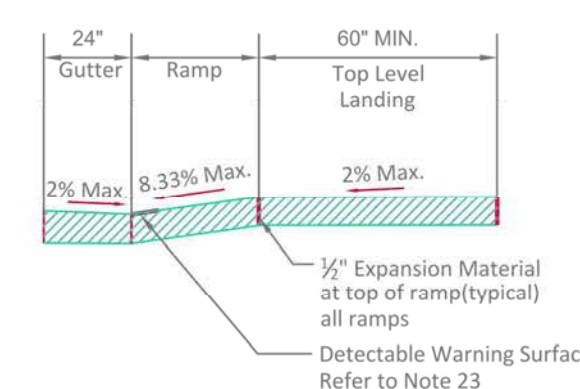
See Detail 1 & 2



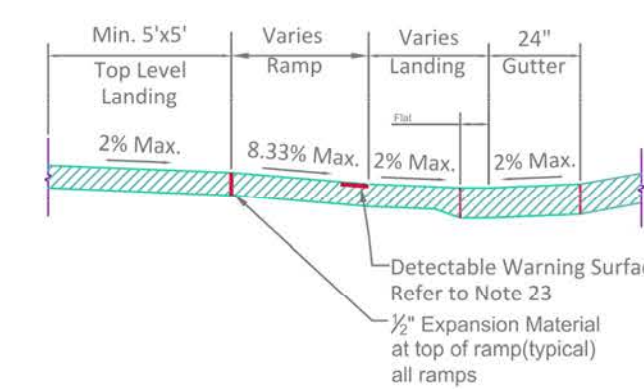
**CURB RAMP  
TYPE "B-1"**



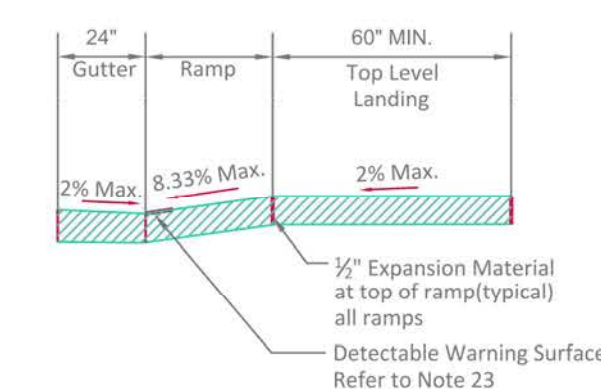
**SECTION B-B**



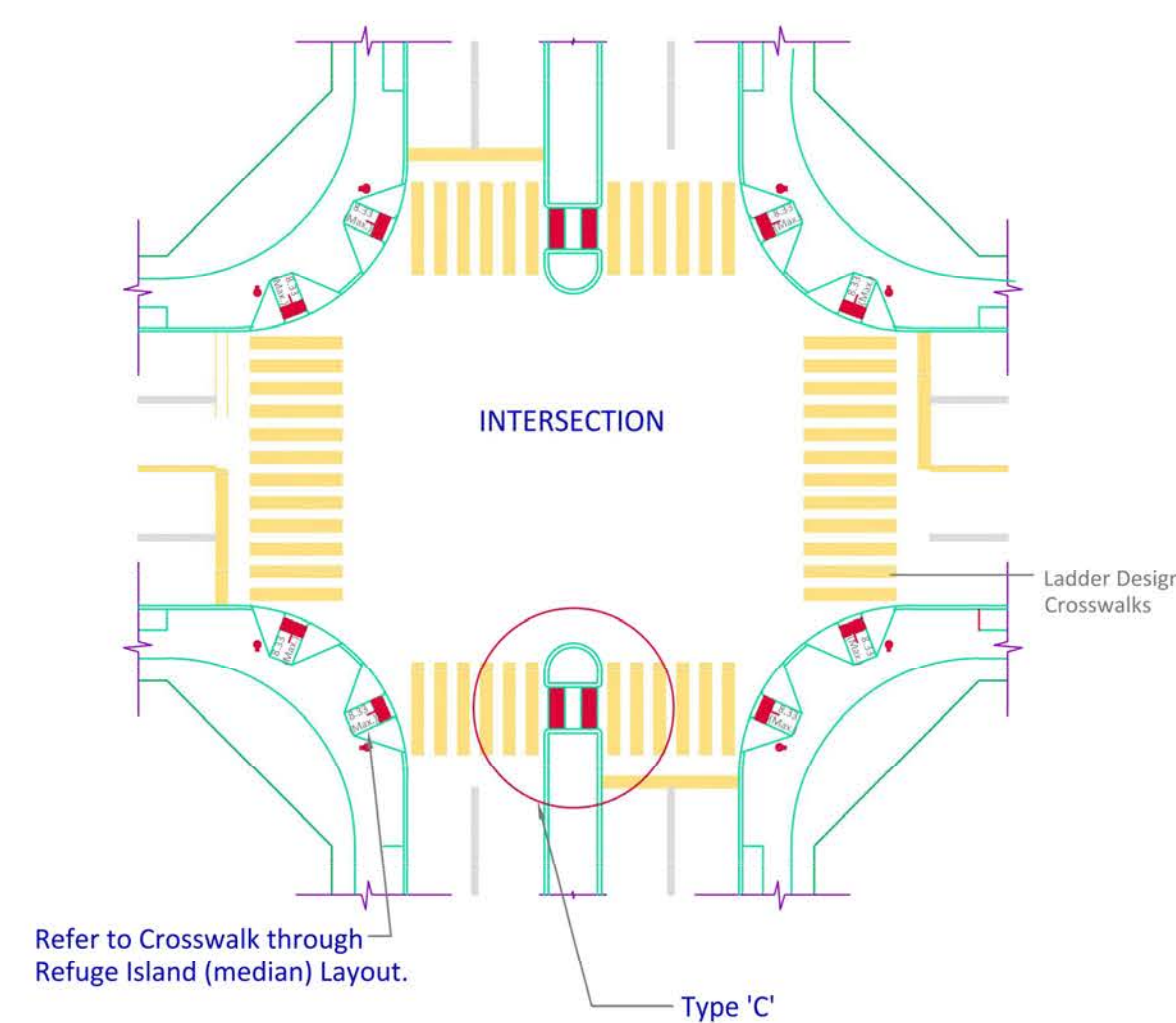
**SECTION A-A**



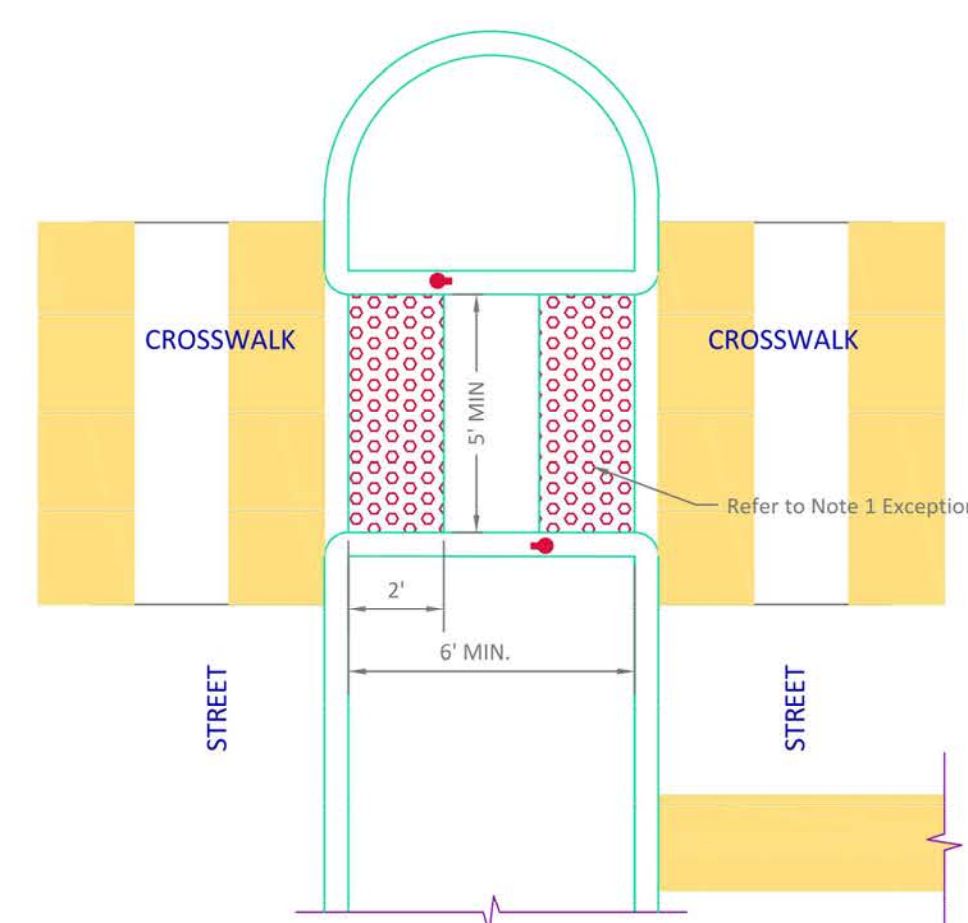
**SECTION B-B**



**SECTION A-A**



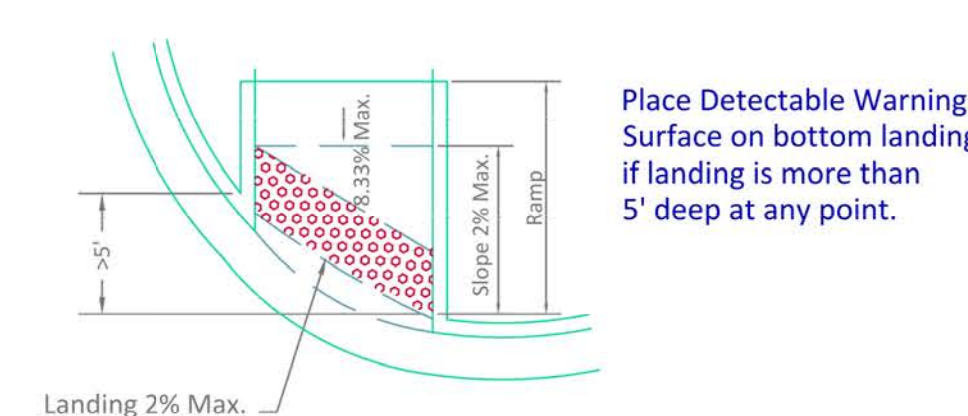
**INTERSECTION WITH  
REFUGE ISLANDS LAYOUT**



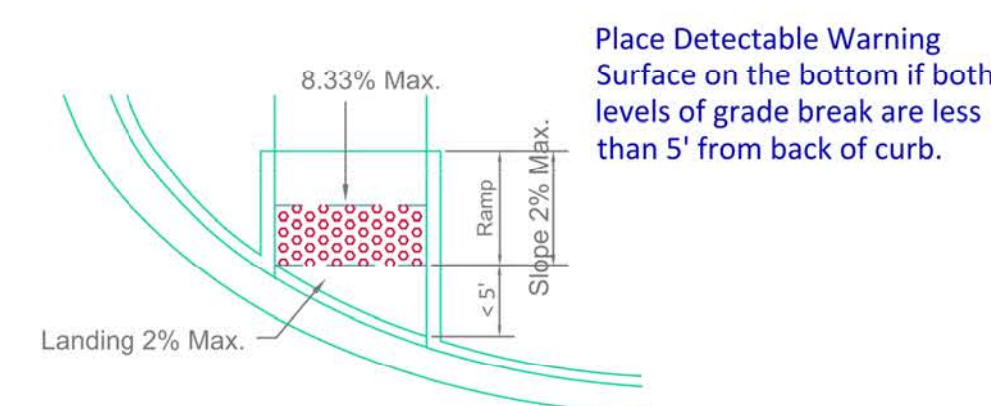
**STANDARD CROSSWALK THROUGH  
REFUGE ISLAND (MEDIAN) LAYOUT  
TYPE "C"**

NOTE 1: Exception

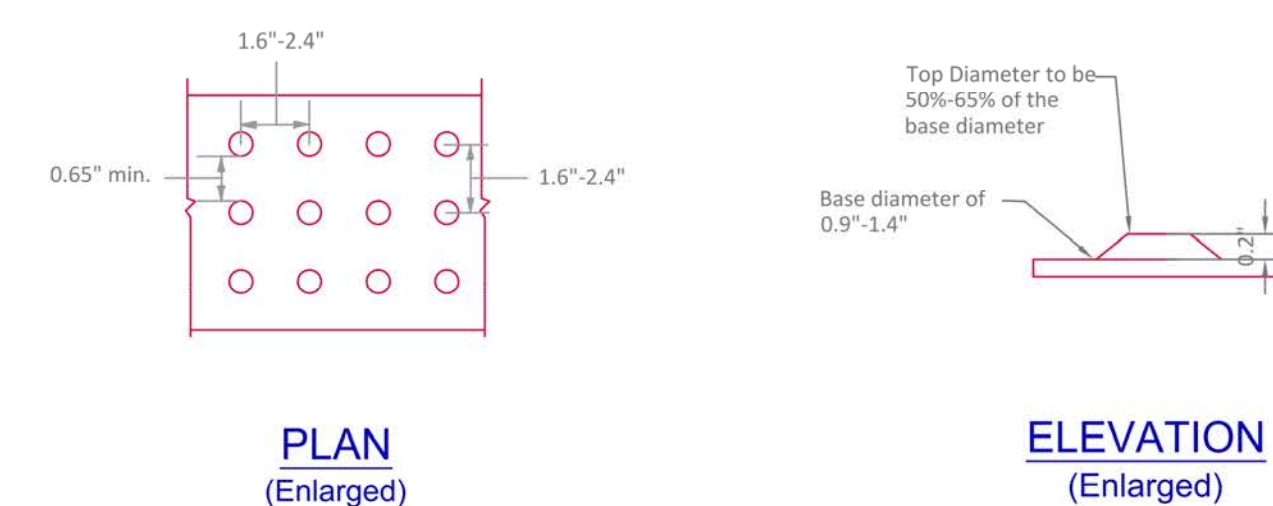
Detectable Warning Surface shall not be required on cut through islands where the crossing is controlled by timed signals and is timed for full crossing.



**DETAIL 1**



**DETAIL 2**



**DETECTABLE WARNING SURFACE  
PATTERN LAYOUT**

**Detectable Warning Surface Specifications:**

- Must provide a Visual Contrast.
- Raised Tactile surfaces used for way finding.
- Detectable Warning Surface shall be installed in a manner such that the domes are parallel to the direction of pedestrian travel.
- Install the Detectable Warning Surface beginning at back of curb.

The City of  
**Oklahoma City**  
Public Works Department  
Engineering Division



APPROVED BY: DATE: 10-14-14  
ERIC J. WENGER, P.E.  
CITY ENGINEER

DRAWN: VSC

DATE:

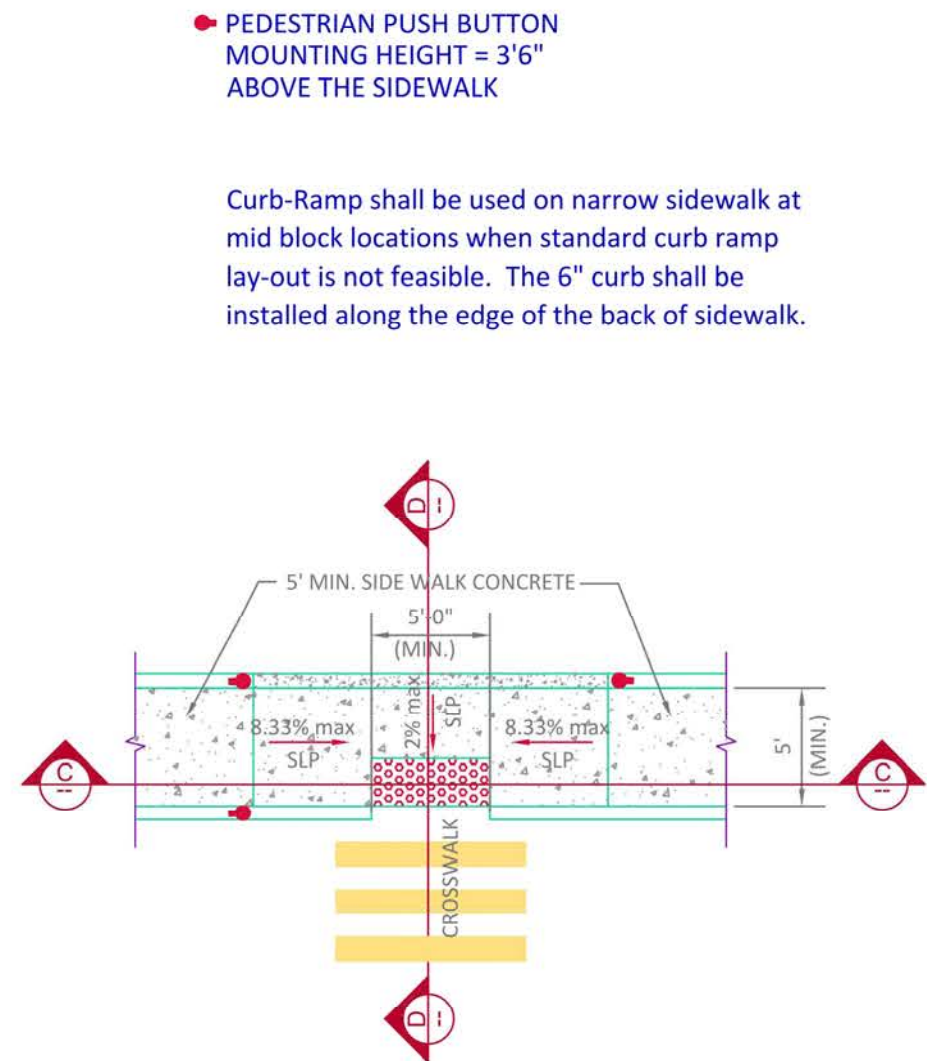
**ADA CURB RAMP DETAILS**

Drawing Number

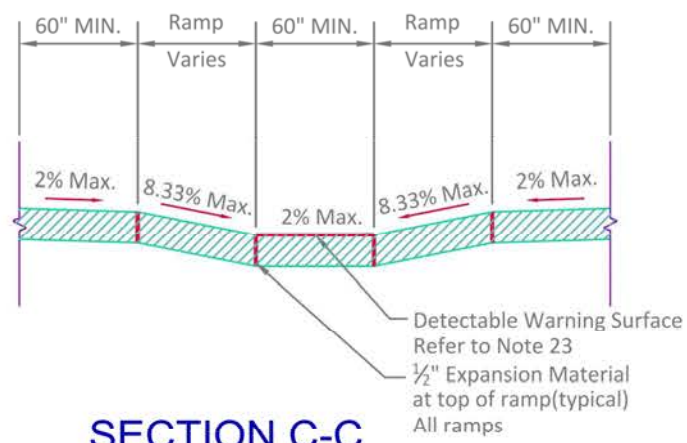
D-700

**A**

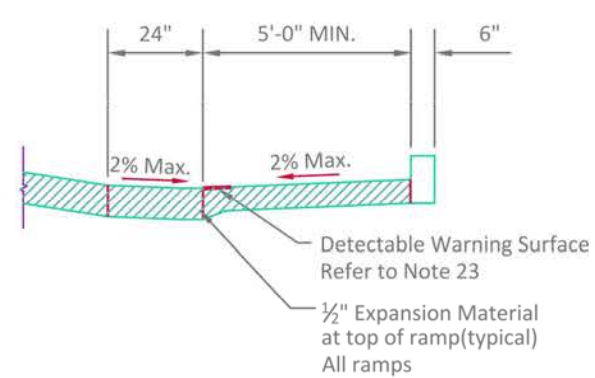




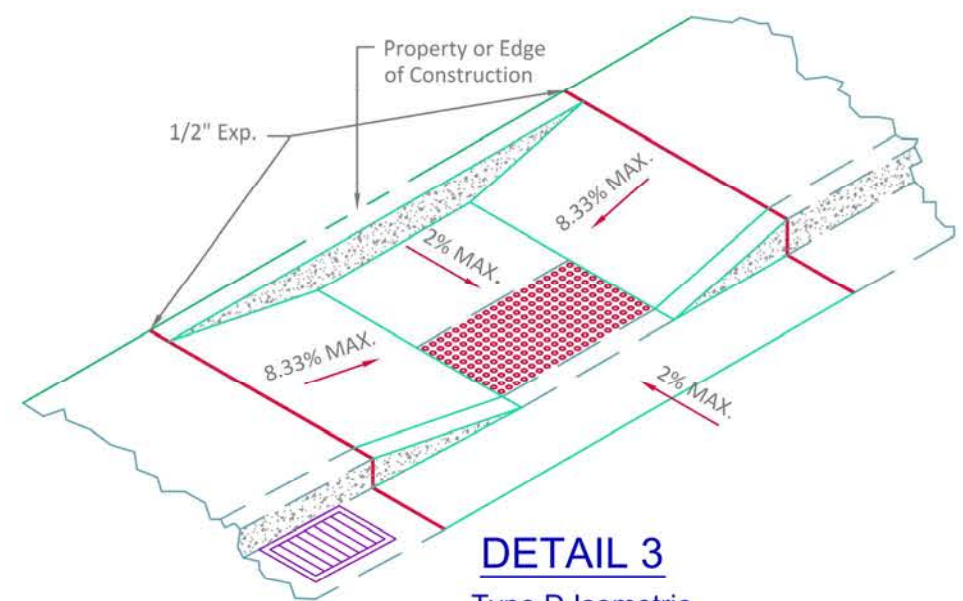
**PARALLEL CURB RAMP  
TYPE "D"**



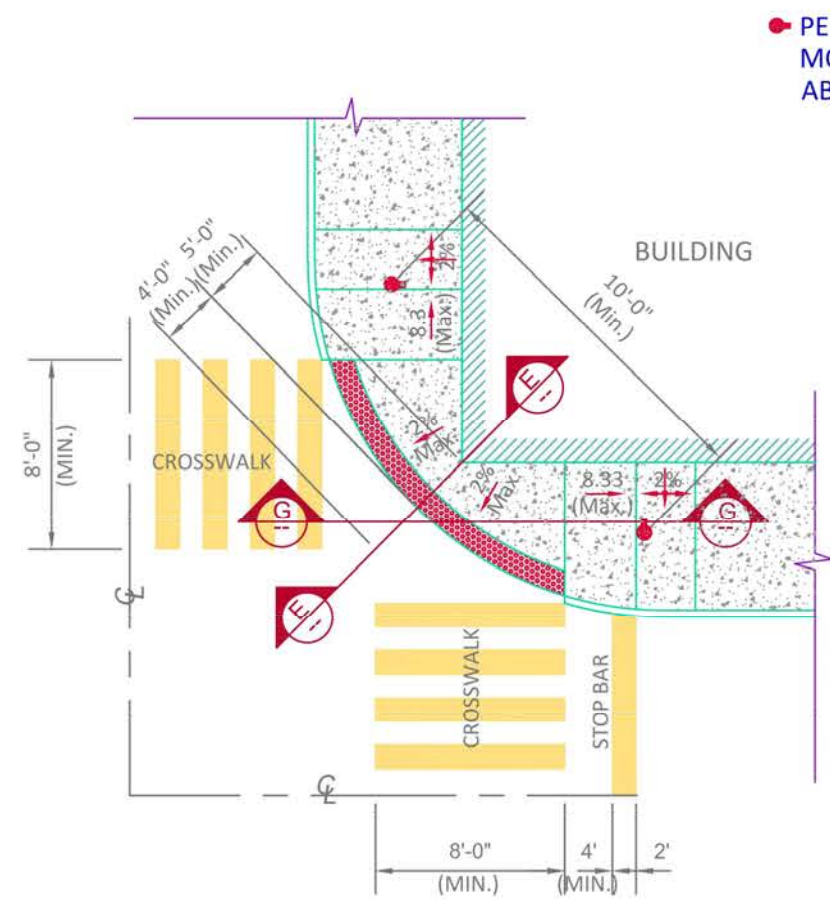
**SECTION C-C**



**SECTION D-D**  
See Detail 3 for Isometric View



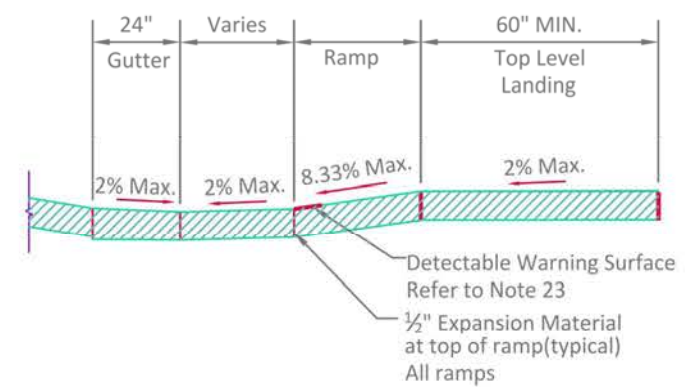
**DETAIL 3**  
Type D Isometric



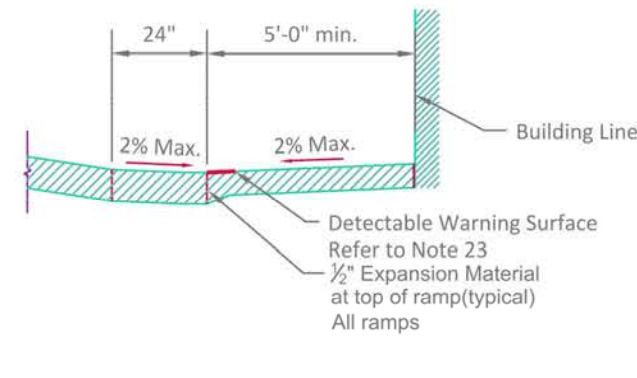
**RADIUS CURB RAMP  
TYPE "E"**

See Detail 3 for Isometric View

Written approval by the City Engineer is required.

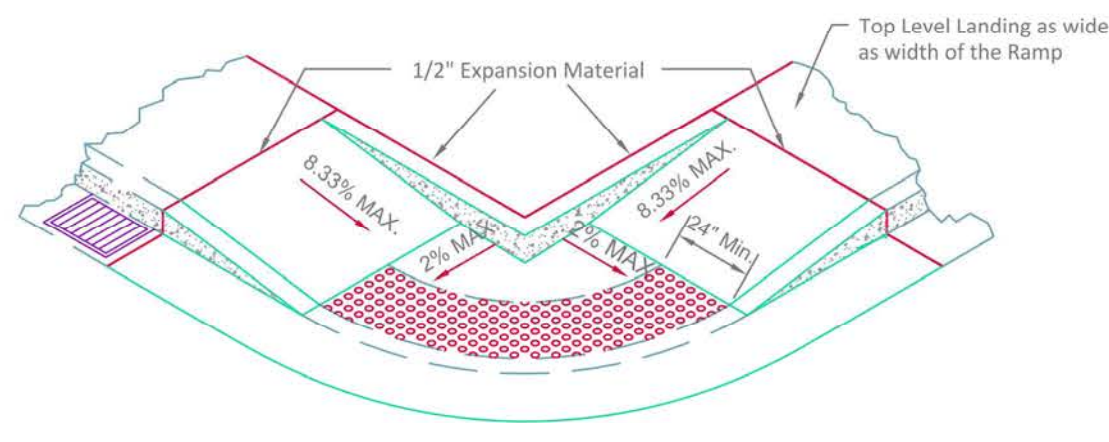


**SECTION G-G  
TYPE "E"**

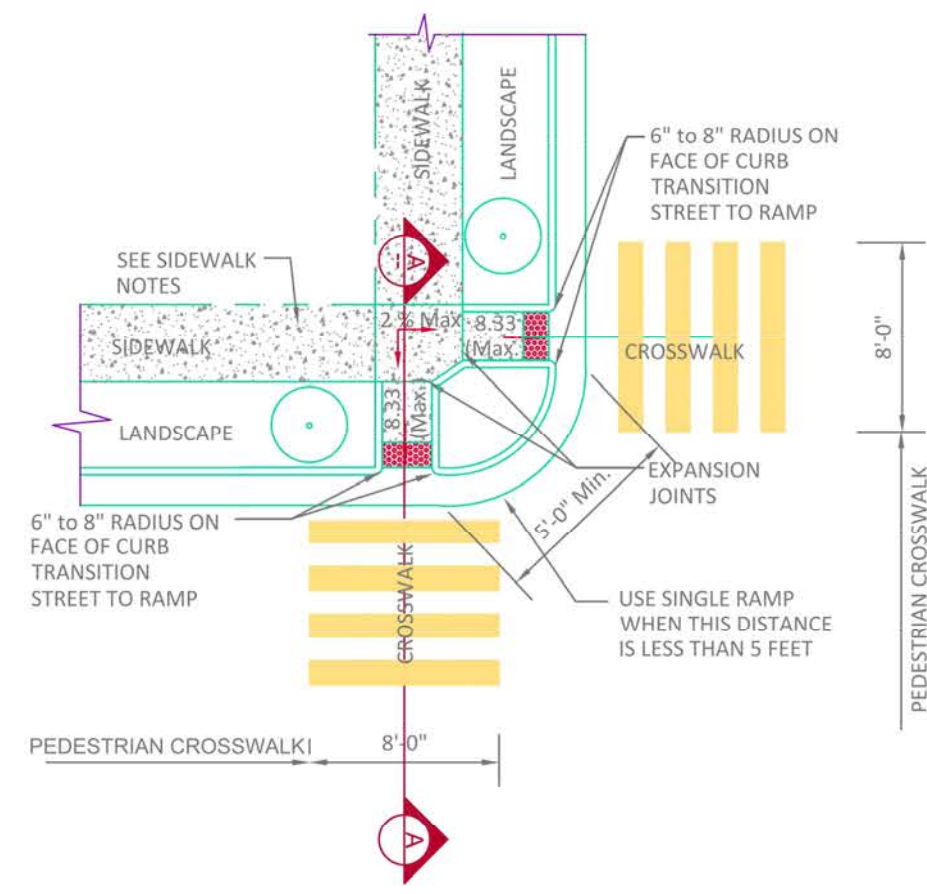


**SECTION E-E  
TYPE "E"**

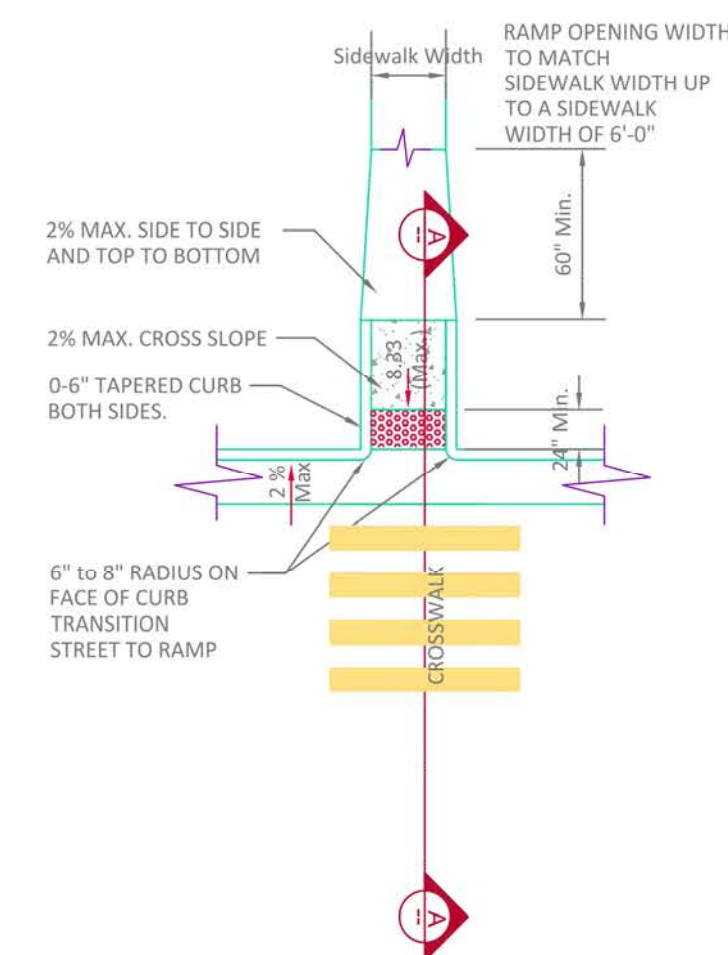
See Detail 4 for Isometric View



**DETAIL 4**  
Type E Isometric



**RESIDENTIAL  
CURB RAMP  
TYPE "F"**



**METHOD OF TRANSITIONING A RAMP  
WITH DIE OUT CURBS**

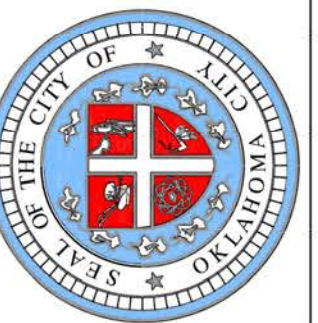
**Sidewalk Notes:**

- All work must meet current Americans with Disabilities Act (ADA) requirements.
- Minimum sidewalk width shall be as follows: residential, 5'-0" at curb, 4'-0" at property line; commercial, 6'-0" at curb, 5'-0" at property line.
- Sidewalk cross slope shall be a maximum of 2% and a minimum of 1/2% cross slope.
- Whenever the width of the sidewalk is less than 5'-0", a 5' x 5' passing area with a maximum 2% slope and minimum 1/2% slope in any direction at intervals of 200' shall be installed.
- Whenever changing direction in a sidewalk, install a 5' x 5' passing area with maximum 2% slope and minimum 1/2% slope in any direction.
- Objects such as tree branches, signs, water fountains, etc. shall not protrude into the sidewalk more than 4" at the heights between 27" and 80"
- Sidewalk shall be constructed of 4" thick concrete on top of 2" of 1 1/2" crusher run, 3/8" rock screenings, 1 1/2" clean recycled concrete or approved equal.
- All obstructions into the walk, such as power poles, hydrants, sign posts, etc. must have at least 48" of clear travel space around the obstruction.
- Sidewalk running grade shall not exceed 5% unless the sidewalk is contained in the R-O-W and then cannot exceed the general grade established for the adjacent street.

**General Notes:**

- The non-alternate curb-ramp layout shall be used whenever possible. Any deviation from the standard curb-ramp plans shall be approved by the City Engineer or his designee on a case by case basis.
- The standard curb-ramp drawings supersede all previous drawings and shall be a part of the new curb ramp standard drawings.
- All alternate ramps shall be approved by the City Engineer or his designee prior to construction.
- Seal all joints on sidewalks, landings and ramps. Width of expansion joint shall be 1/2"
- A curb ramp is defined as the entire concrete surface which includes the ramp and flared sides. The minimum 4' wide center portion, including the Detectable Warning Surface, shall have a sloped plane of 8.33% (1:12) maximum, and cross slope, not to exceed 2%. The "flared side" of the ramp shall lie on a slope of 10% (1:10) maximum measured along the curb. The curb ramp shall have a surface tolerance of 1/4" per 10 foot straight edge maximum.
- The ramp center line and path of travel should be parallel to the sidewalk whenever possible. The full width of the ramp shall lie within the crosswalk area. It is desirable that the location of the ramp be as close as possible to the center of the crosswalk.
- Curb Ramps shall not exceed 15' in length.
- Existing utility boxes and covers shall be adjusted flush with the curb ramp surface and shall not straddle any change in plane or material. Existing utility box frames and covers shall have matching surface finish on the entire frame and cover. New utility boxes shall not be placed within the accessible pathway.
- The surface of the curb ramp and Detectable Warning Surface material shall be stable, firm and slip resistant. The concrete curb ramp surface shall be broom finished transverse to the axis of the ramp and shall be slightly rougher than the finish of the adjacent sidewalk surface.
- A level landing 5'-0" deep, with a 2% maximum slope in each direction shall be provided at the upper end of each curb ramp to allow safe egress from the ramp surfaces. The width of the level landing shall be at least as wide as the width of the ramp. A level landing of a minimum of 30" wide x48" deep shall be provided at pedestrian push buttons at signalized crossings.
- Existing vertical utility poles or street light poles may be incorporated into the flared sides, if necessary. The vertical obstruction shall be a minimum of 6" away from edge of the ramp. Pedestrian crosswalks push button poles, fire department call boxes and other poles with activated devices, may not be placed in the curb-ramp at any time. No new vertical obstructions may be located in the curb ramp or the accessible pathway.
- Ramp opening shall be the same width as the sidewalk up to 6'-0" wide.
- Curb Ramp shall be constructed with 8" thick concrete at collector and arterial streets; and with 6" thick concrete at residential streets. All on top of 2" of 1 1/2" crusher run, 3/8" rock screenings, 1 1/2" recycled concrete or approved equal. The 8" or 6" thick concrete will extend a maximum of 8'-8" (maximum) behind the face of curb. The remainder of the ramp will be constructed of 4" thick concrete and paid as sidewalk. All landings and incidental connections will be paid as sidewalk and will be constructed of 4" thick concrete.
- For new construction all Detectable Warning Surfaces are to be set in concrete. Surface applied domes require special written approval by the City Engineer or his designee

The City of  
**Oklahoma City**  
Public Works Department  
Engineering Division



APPROVED BY: DATE: 10-14-14  
ERIC J. WENGER, P.E.  
CITY ENGINEER

DRAWN: VSC  
DATE:

**ADA CURB RAMP DETAILS**

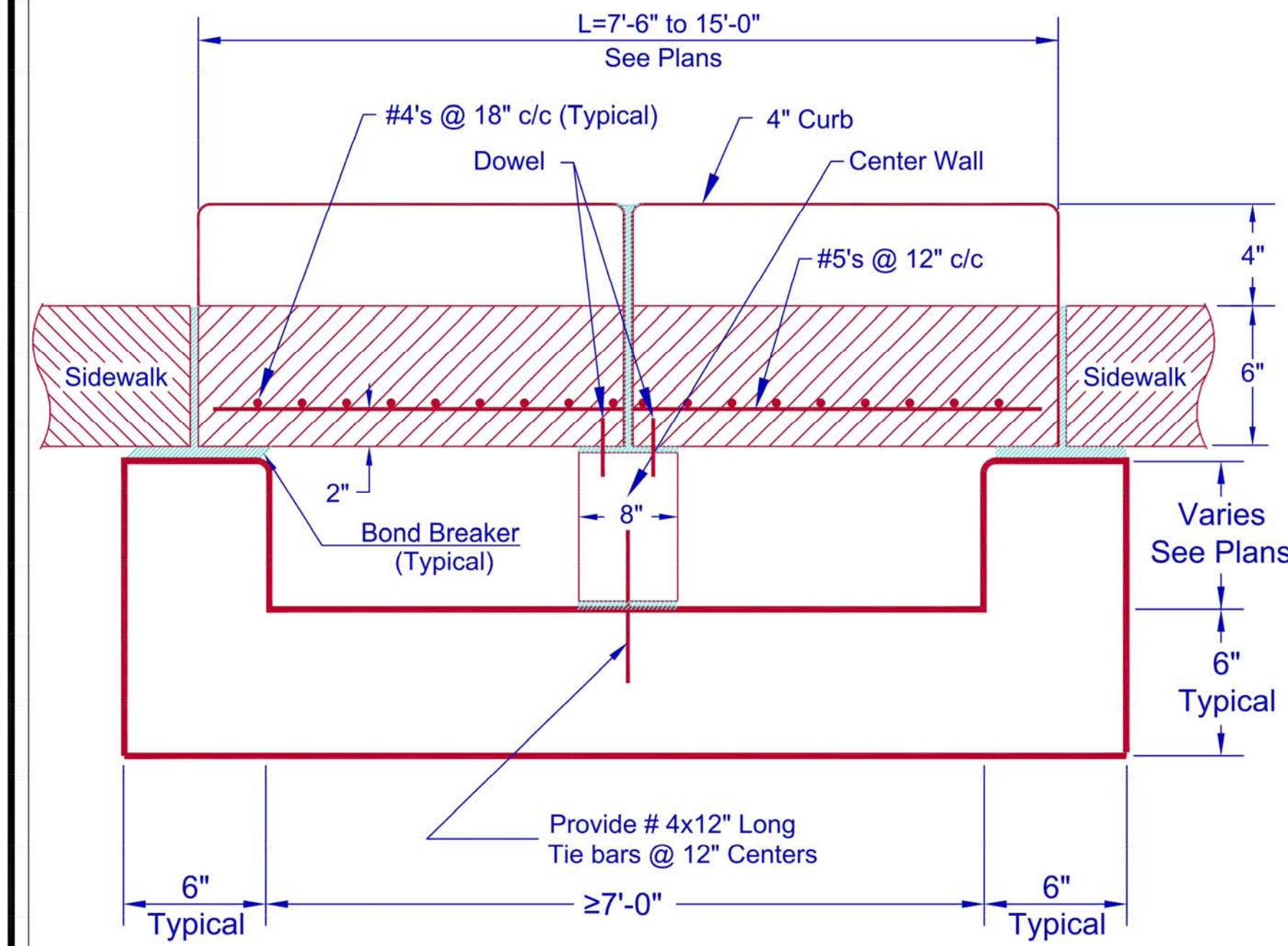
Drawing Number

D-700

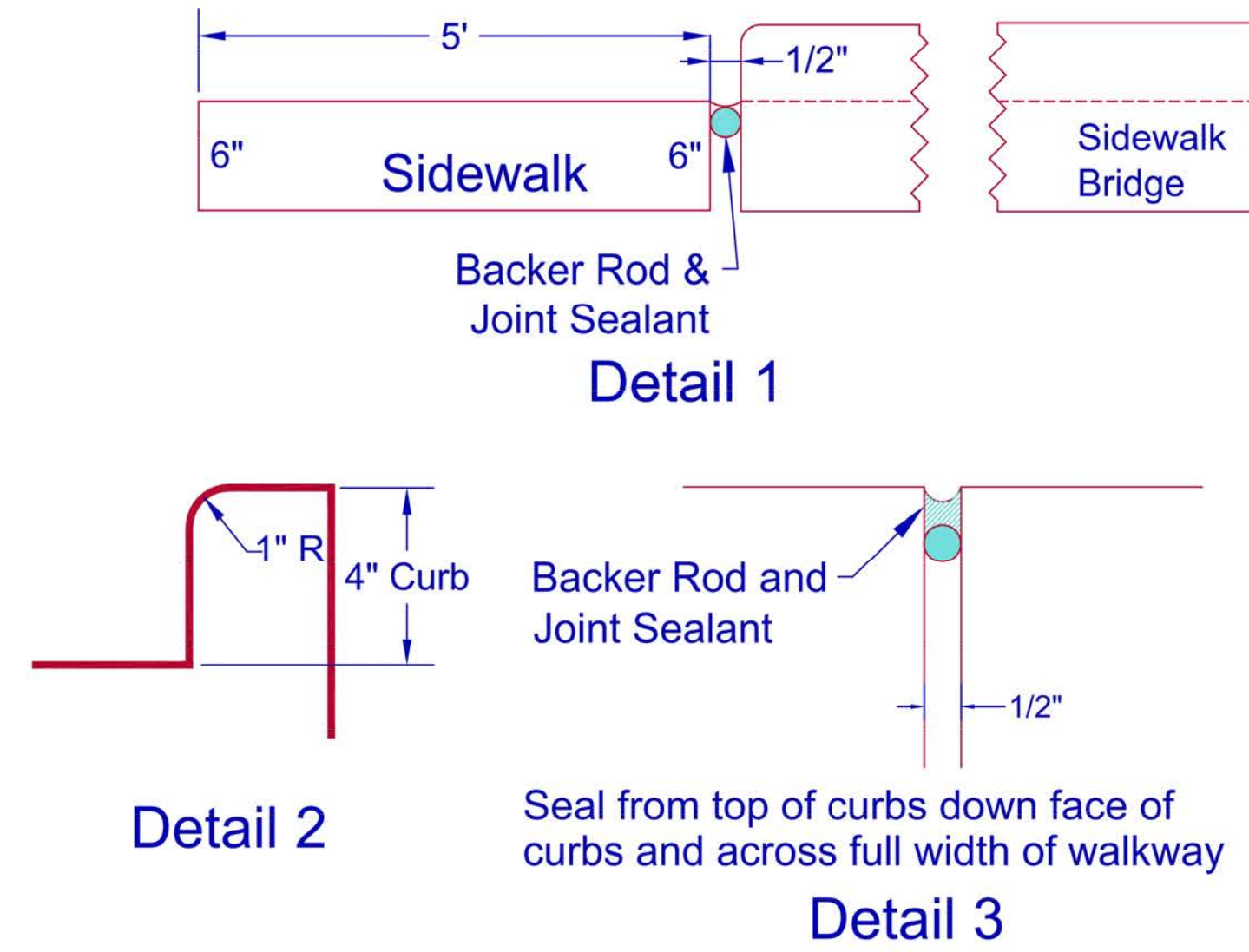
**B**



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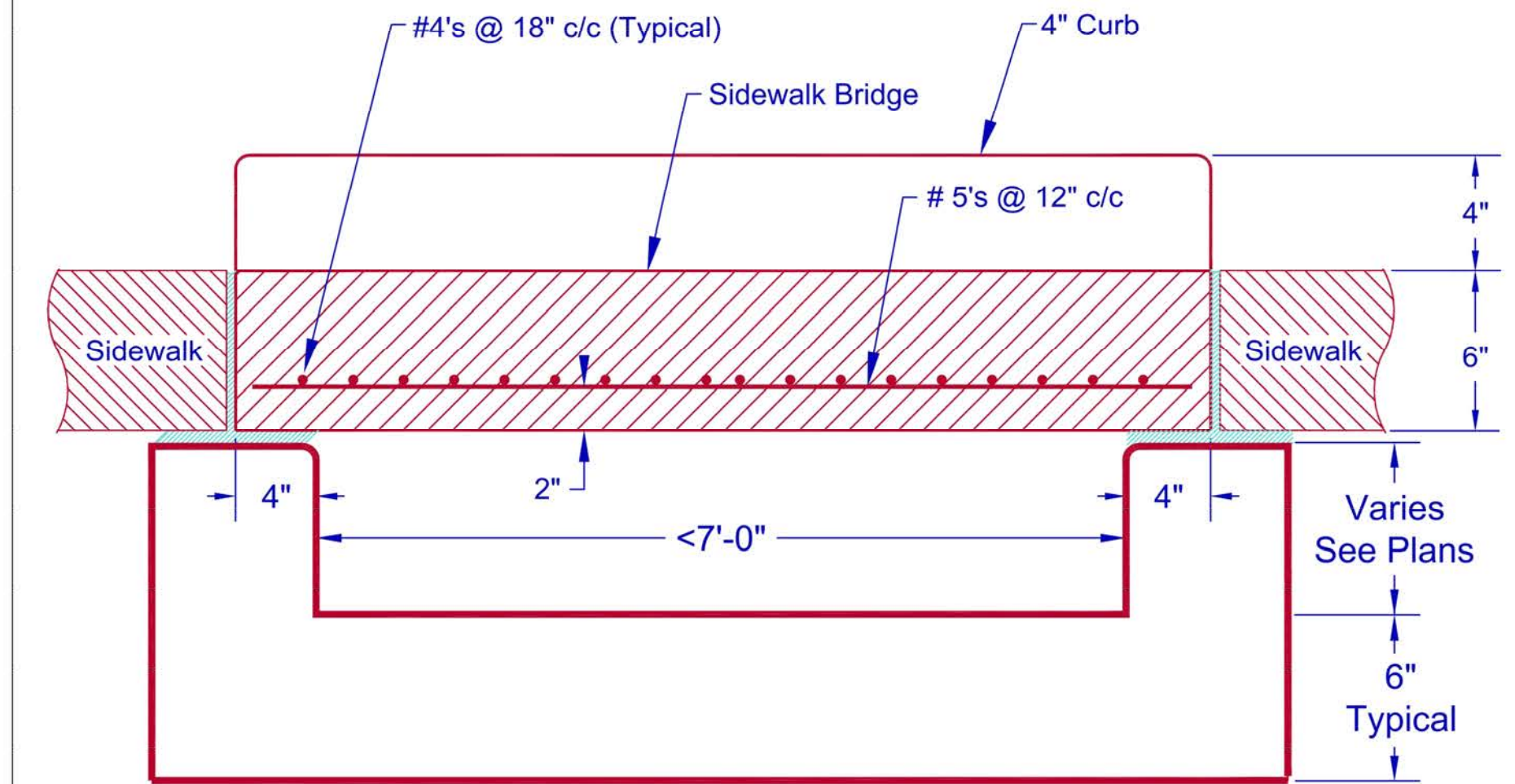


Section A-A for 7'-0" or greater span length

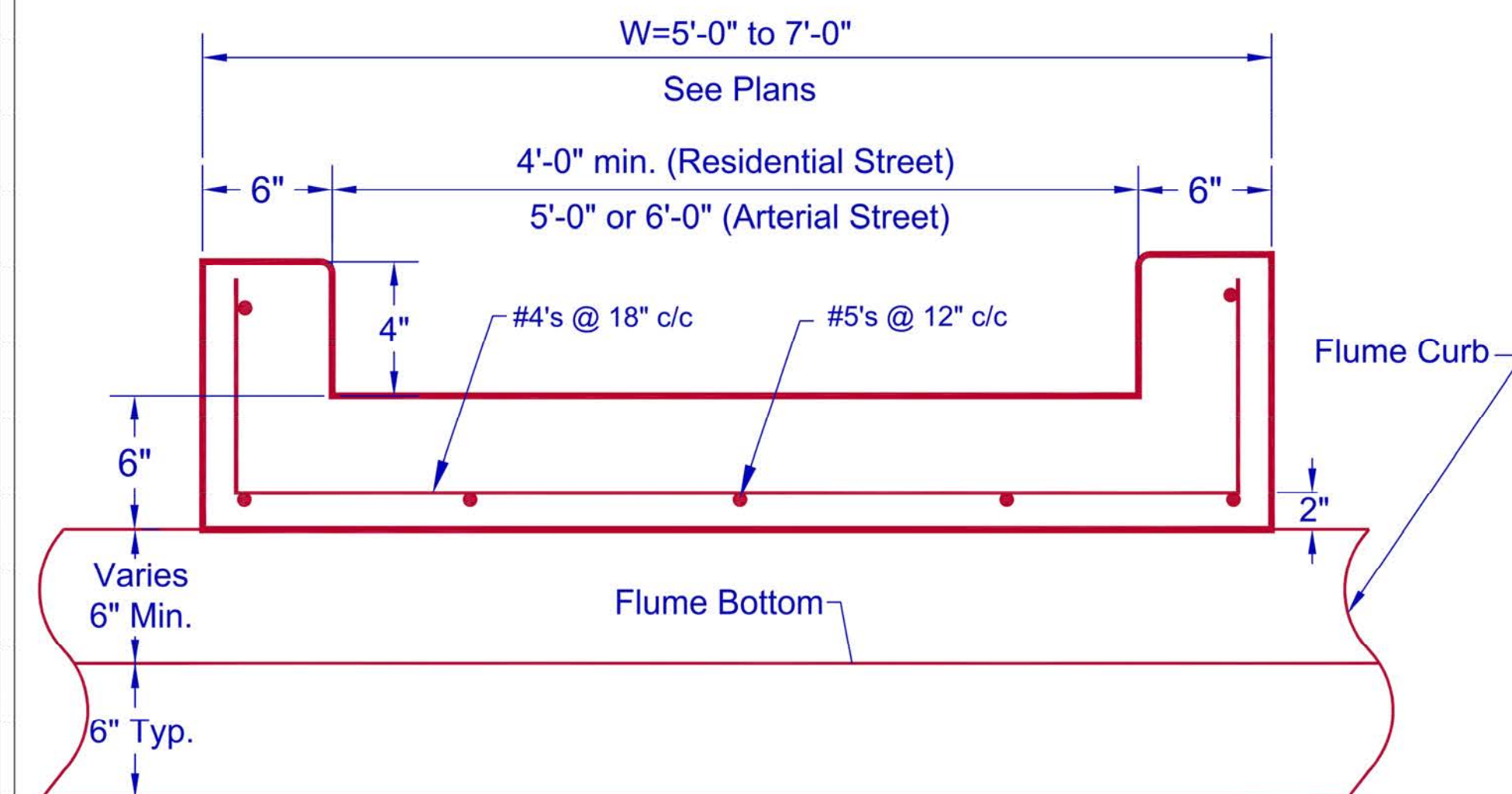


#### Sidewalk Bridge Notes:

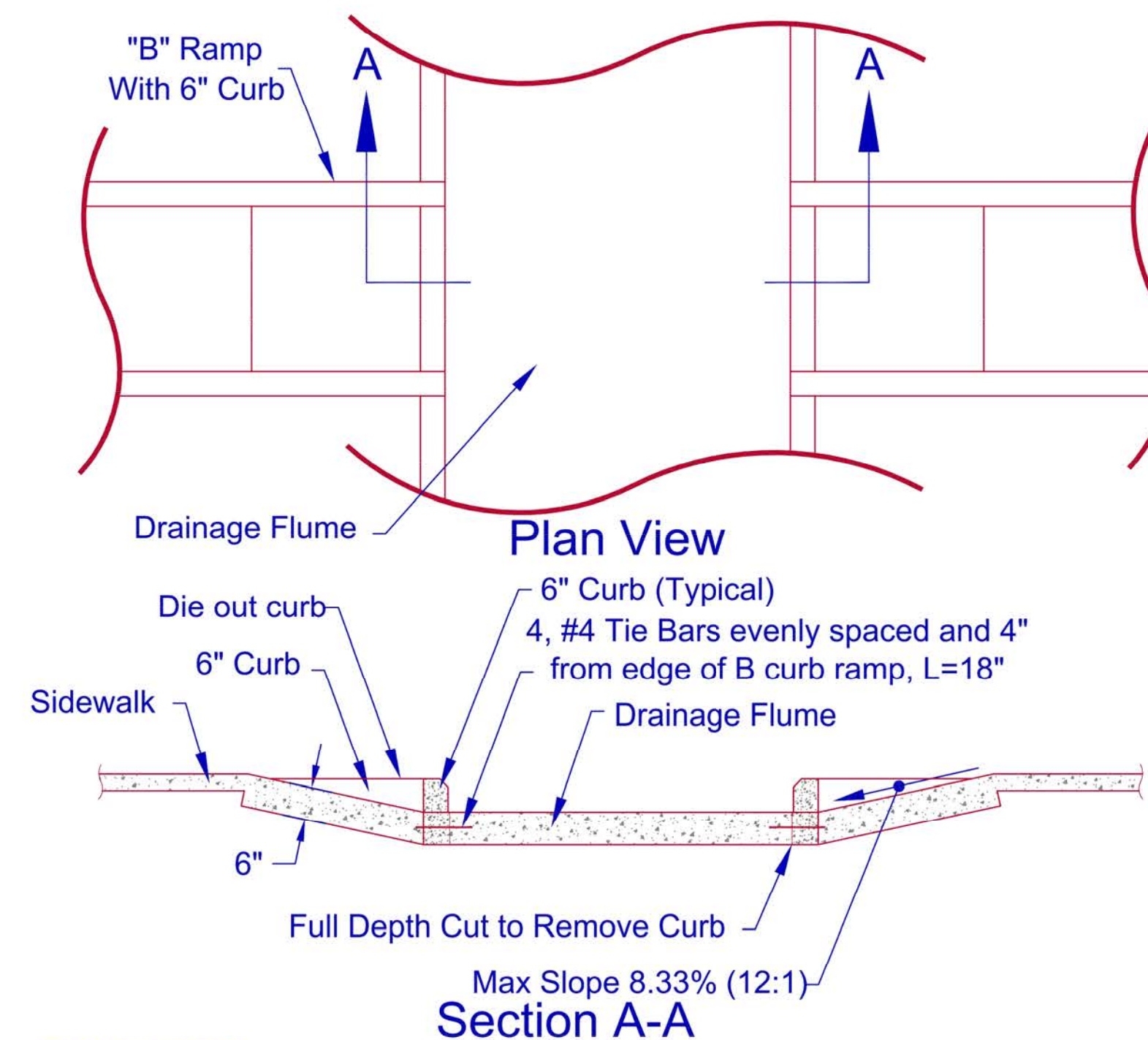
1. The width of the sidewalk bridge must be at least as wide as the adjacent sidewalk.
2. # 5 bars must extend to within 1 1/2" of the end forms.
3. Flume crossing with sidewalk bridges having a walking path greater than 5' wide require a separate design
4. Flume crossing with a dimension of 18" or greater from flume surface to the walkway surface will require pedestrian guardrail.
5. 3/4" chamfer (typical) required on all exposed edges.



Section A-A for less 7'-0" span length

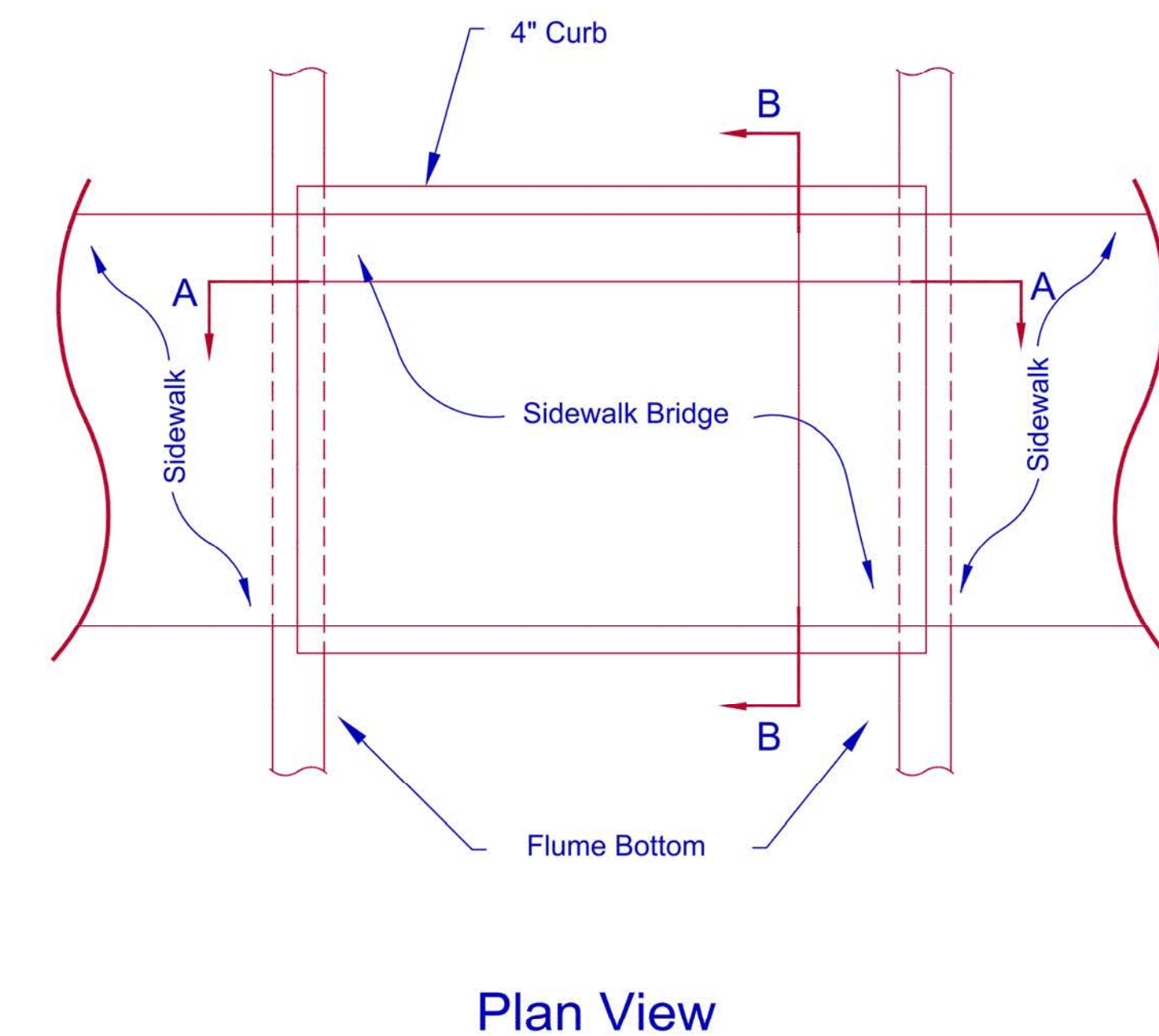


Section B-B



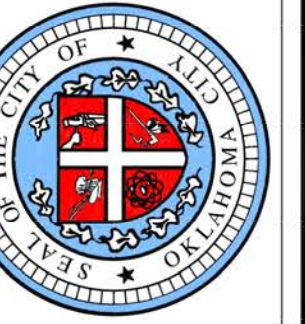
#### RAMP NOTES:

1. In most cases, to be constructed as shown above unless grade or other factors require the construction of a sidewalk bridge.
2. If flume grade is more than 2%, then bottom of flume must be reconstructed so the longitudinal grade is 2% or less to meet ADA requirements for sidewalk cross slope. The transition on each side of sidewalk in bottom of flume must be at least 2' wide and a maximum grade equal to 2x the longitudinal flume grade.



Sidewalk at Flume Crossing

The City of  
**Oklahoma City**  
Public Works Department  
Engineering Division



APPROVED BY: DATE: 02-26-20  
ERIC J. WENGER, P.E.  
CITY ENGINEER

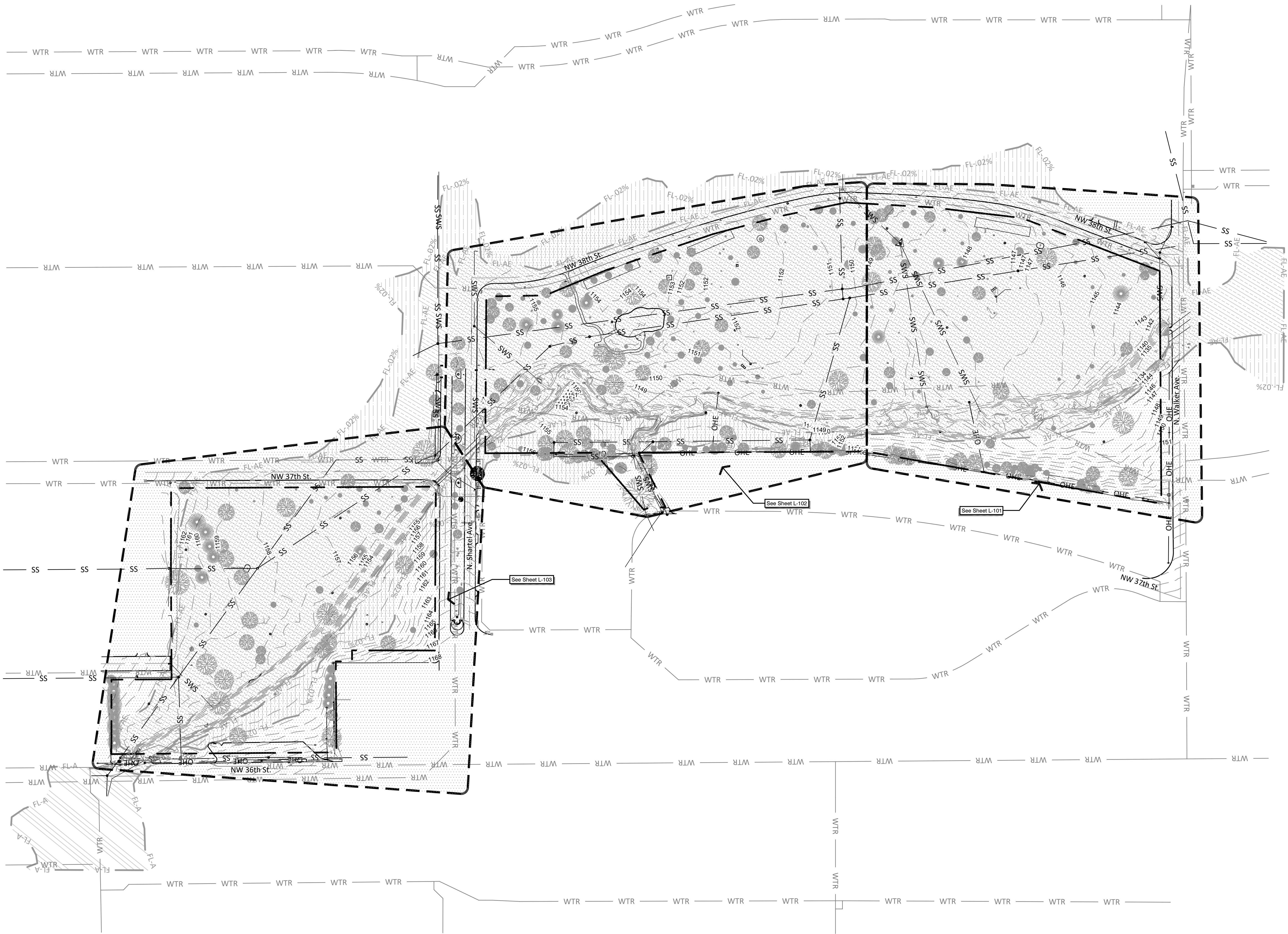
DRAWN: TVN  
DATE: 02-26-20

## ADA SIDEWALK AND CURB RAMP AT FLUME DETAILS

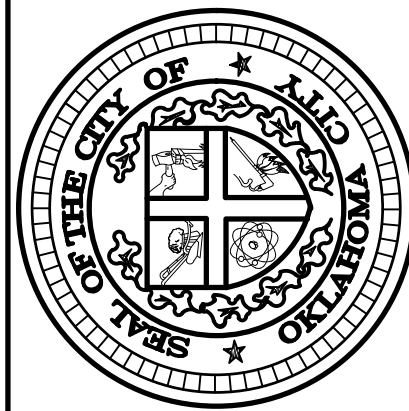
Drawing Number  
D-700c

D-700C-2020





THE CITY OF OKLAHOMA CITY  
PARKS AND RECREATION  
DEPARTMENT  
PLANNING DIVISION



THE CITY OF OKLAHOMA CITY PARKS AND RECREATION DEPARTMENT  
420 W. MAIN STREET, SUITE 210, OKLAHOMA CITY, OK 73102 OFFICE: 405.297.3882

## Improvements to Crown Heights Park Walks and Paths

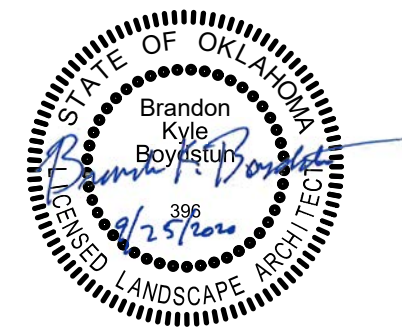
600 NW 38th Street

OKLAHOMA CITY, OK

PROJECT NO.: MP-0542

DRAWN BY: Staff

APPROVED BY: BKB



ISSUE:	DATE:
60% Review Set	4/30/2020
95% Review Set	5/23/2020
BID SET	9/25/2020

SHEET NO.:

# L-100

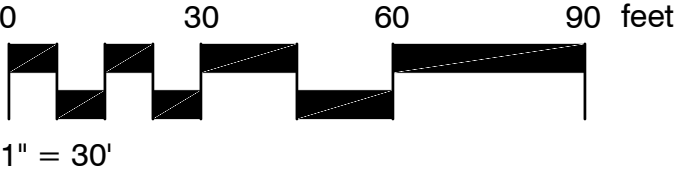
Existing Site



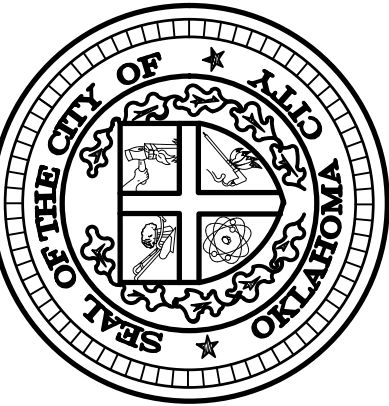


02 EXISTING CONDITIONS SCHEDULE EAST

SYMBOL	DEMOLITION DESCRIPTION	QTY	DETAIL
02-40-02	Temporary Tree Protection	719 lf	1/D-102
02-40-02A	Add Alt.1 - Temporary Tree Protection	706 lf	1/D-102



THE CITY OF OKLAHOMA CITY  
PARKS AND RECREATION  
DEPARTMENT  
PLANNING DIVISION



Improvements to Crown Heights Park  
Walks and Paths

600 NW 38th Street  
OKLAHOMA CITY, OK

PROJECT NO.: MP-0542

DRAWN BY: Staff

APPROVED BY: BKB



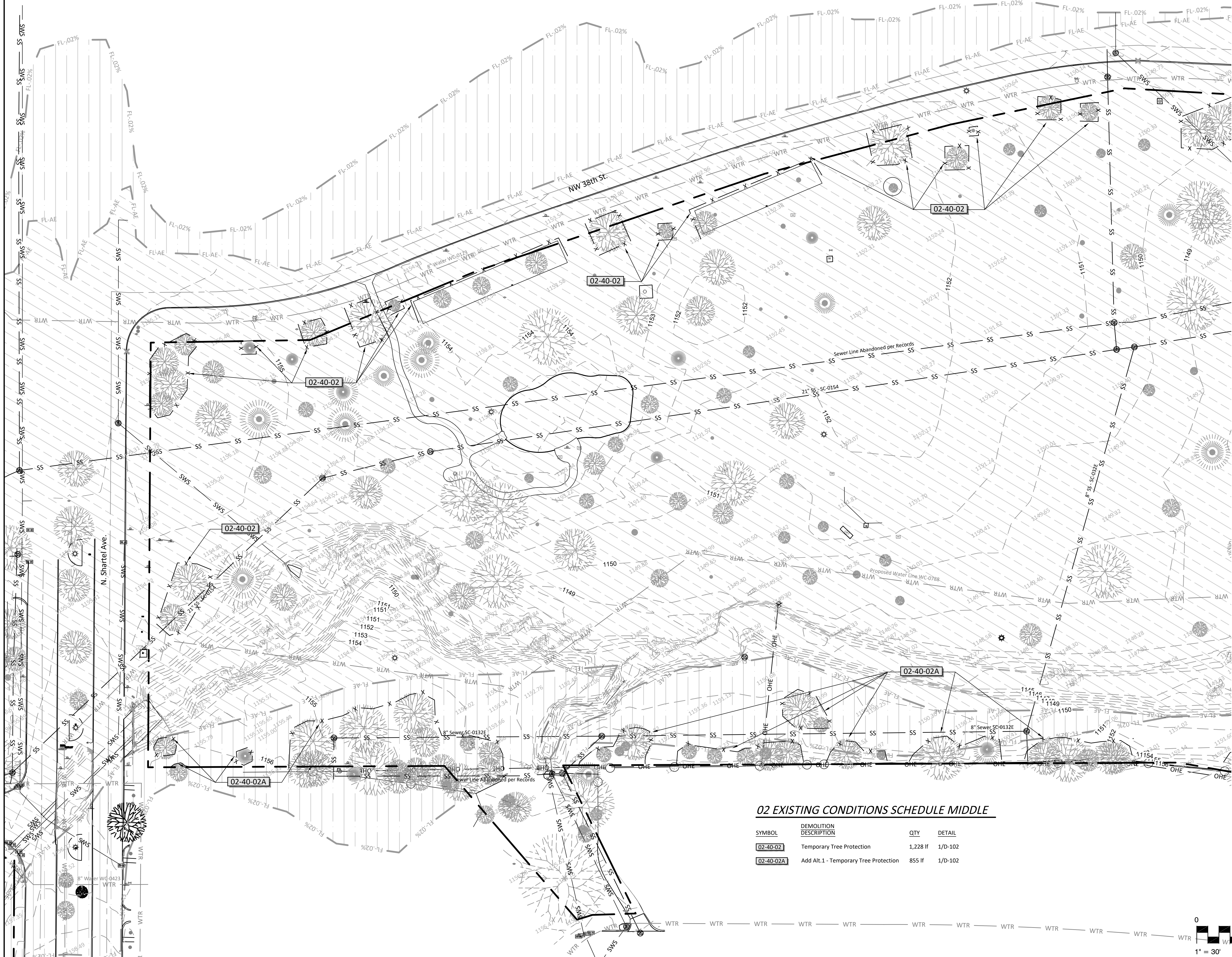
ISSUE:	DATE:
60% Review Set	4/30/2020
95% Review Set	5/23/2020
BID SET	9/25/2020

SHEET NO.:

L-101

AREA-1 EXISTING  
CONDITIONS & DEMO



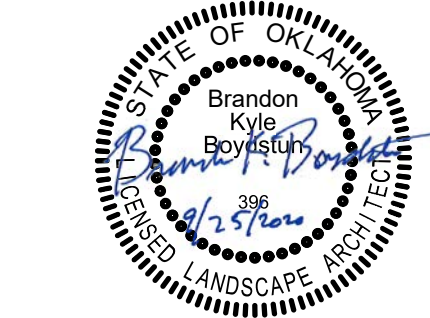


02 EXISTING CONDITIONS SCHEDULE MIDDLE

SYMBOL	DEMOLITION DESCRIPTION	QTY	DETAIL
02-40-02	Temporary Tree Protection	1,228 lf	1/D-102
02-40-02A	Add Alt.1 - Temporary Tree Protection	855 lf	1/D-102

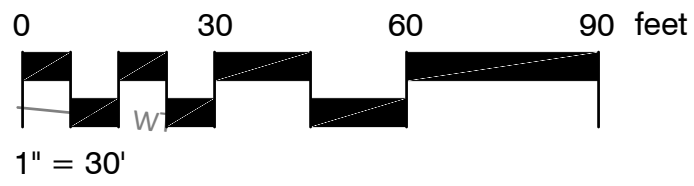
Improvements to Crown Heights Park  
Walks and Paths

PROJECT NO.: MP-0542  
DRAWN BY: Staff  
APPROVED BY: BKB

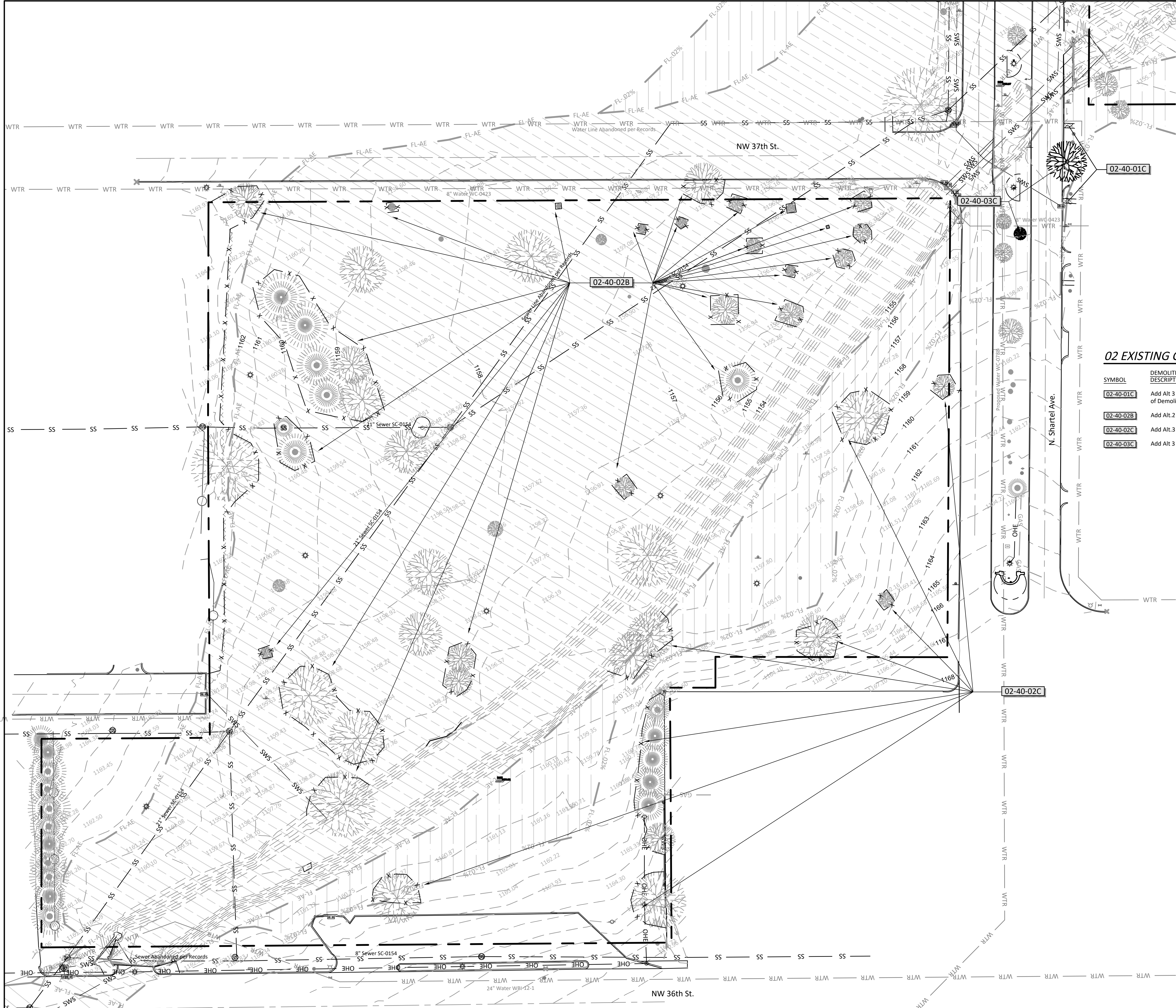


ISSUE:	DATE:
60% Review Set	4/30/2020
95% Review Set	5/23/2020
BID SET	9/25/2020

SHEET NO.:  
**L-102**  
AREA-2 EXISTING  
CONDITIONS & DEMO







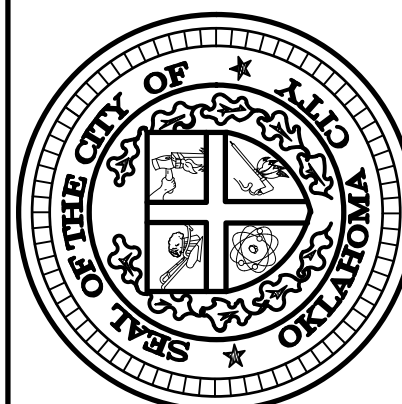


*NORTHING/EASTING POINT SCHEDULE*

POINT	DESCRIPTION	NORTHING	EASTING
1	"X" TOP OF CURB   ELEV. 1146.116	N 186261.79	E 111097.00
2	"X" TOP OF CURB   ELEV. 1143.394	N 185967.72	E 111059.35
3	IRON   ORANGE CAP	N 186004.34	E 110915.03
4	"X" NE CORN OF PAD   ELEV. 1156.878	N 185698.73	E 111055.55
5	"X" TOP OF CURB   ELEV. 1156.044	N 185686.78	E 111087.18
6	3/8 IRON   OKC CAP	N 185959.23	E 110395.35
7	"X" TOP OF CURB   ELEV. 1144.382	N 186233.58	E 110817.14
8	"X" TOP OF CURB   ELEV. 1149.474	N 186250.87	E 110905.87
9	3/8 IRON   OKC CAP	N 186006.11	E 110959.70
10	3/8 IRON   OKC CAP	N 185831.44	E 110995.49
11	"X" TOP OF CURB   ELEV. 1155.318	N 186054.34	E 110978.33
12	"X" TOP OF WALL   ELEV. 1156.570	N 185812.75	E 110979.21
13	3/8 IRON   OKC CAP	N 185624.17	E 110941.99
14	"X" TOP OF CURB   ELEV. 1103.802	N 185722.77	E 110180.92
15	"X" TOP OF CURB   ELEV. 1163.030	N 185212.96	E 110953.22



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# Improvements to Crown Heights Park Walks and Paths

600 NW 38th Street

OKLAHOMA CITY, OK

PROJECT NO.: MP-0542
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DRAWN BY: Staff

APPROVED BY: BKB



ISSUE:	DATE:
60% Review Set	4/30/2021
95% Review Set	5/23/2021
BID SET	9/25/2021

SHEET NO.:

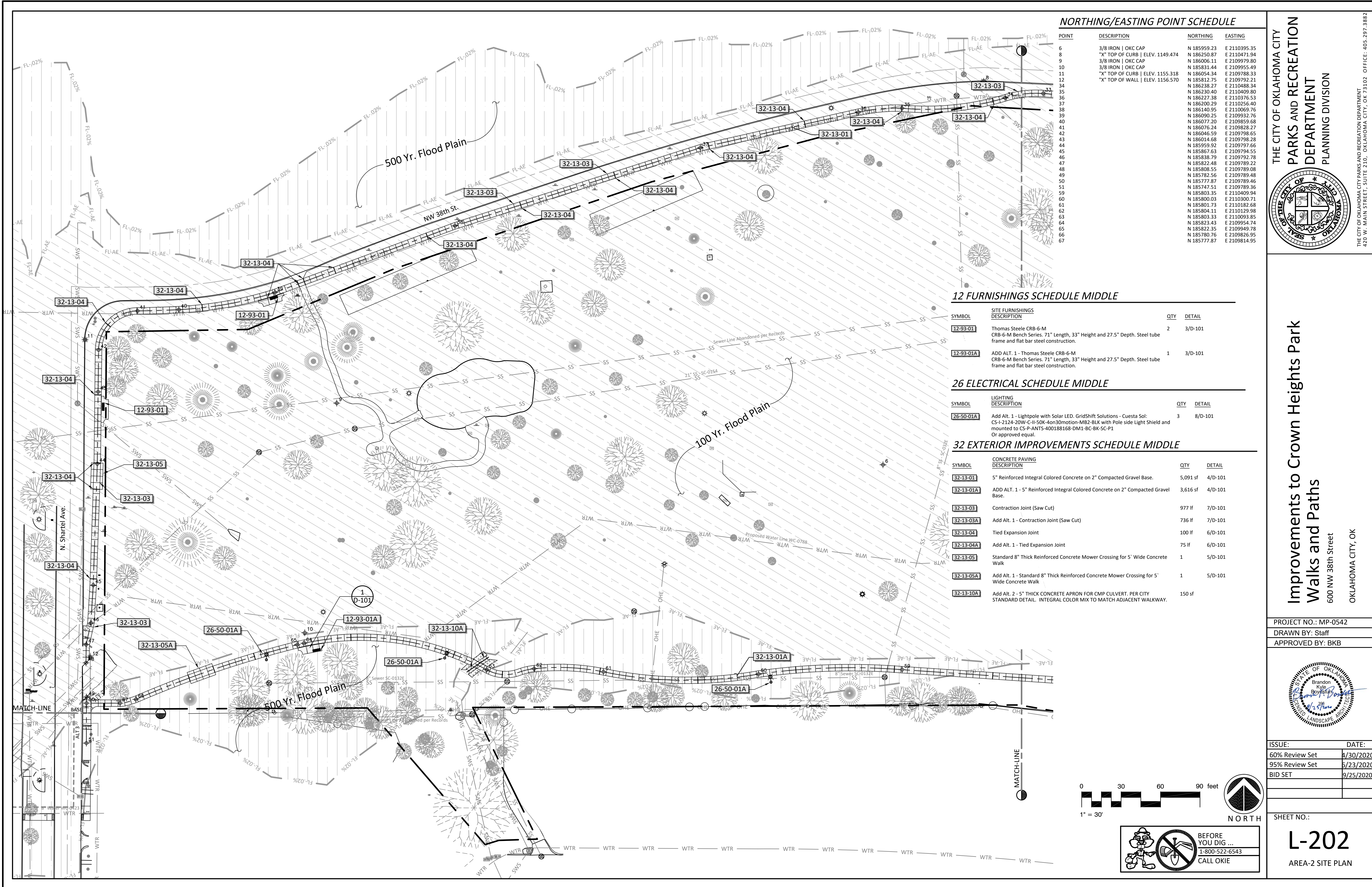
# L-200

## SITE PLAN









NORTHING/EASTING POINT SCHEDULE

POINT	DESCRIPTION	NORTHING	EASTING
6	3/8 IRON   OKC CAP	N 185959.23	E 2110395.35
8	"X" TOP OF CURB   ELEV. 1149.474	N 186250.87	E 2110471.94
9	3/8 IRON   OKC CAP	N 186006.11	E 2109979.80
10	3/8 IRON   OKC CAP	N 185831.44	E 2109955.49
11	"X" TOP OF CURB   ELEV. 1155.318	N 186054.34	E 2109788.33
12	"X" TOP OF WALL   ELEV. 1156.570	N 185812.75	E 2109792.21
34		N 186238.27	E 2110488.34
35		N 186230.40	E 2110409.80
36		N 186227.38	E 2110376.53
37		N 186200.29	E 2110256.40
38		N 186140.95	E 2110069.76
39		N 186090.25	E 2109932.76
40		N 186077.20	E 2109859.68
41		N 186076.24	E 2109828.27
42		N 186046.59	E 2109798.65
43		N 186014.68	E 2109798.28
44		N 185959.92	E 2109797.66
45		N 185867.63	E 2109794.55
46		N 185838.79	E 2109792.78
47		N 185822.48	E 2109789.22
48		N 185808.55	E 2109789.08
49		N 185782.56	E 2109789.48
50		N 185777.87	E 2109789.46
51		N 185747.51	E 2109789.36
59		N 185803.35	E 2110409.94
60		N 185800.03	E 2110300.71
61		N 185801.73	E 2110182.68
62		N 185804.11	E 2110129.98
63		N 185803.33	E 2110093.85
64		N 185823.43	E 2109954.74
65		N 185822.35	E 2109949.78
66		N 185780.76	E 2109826.95
67		N 185777.87	E 2109814.95

12 FURNISHINGS SCHEDULE MIDDLE

SYMBOL	SITE FURNISHINGS DESCRIPTION	QTY	DETAIL
12-93-01	Thomas Steele CRB-6-M CRB-6-M Bench Series. 71" Length, 33" Height and 27.5" Depth. Steel tube frame and flat bar steel construction.	2	3/D-101
12-93-01A	ADD ALT. 1 - Thomas Steele CRB-6-M CRB-6-M Bench Series. 71" Length, 33" Height and 27.5" Depth. Steel tube frame and flat bar steel construction.	1	3/D-101

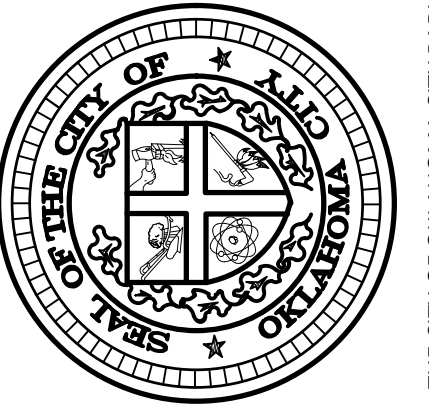
26 ELECTRICAL SCHEDULE MIDDLE

SYMBOL	LIGHTING DESCRIPTION	QTY	DETAIL
26-50-01A	Add Alt. 1 - Lightpole with Solar LED. GridShift Solutions - Cuesta Sol: CS-1-2124-20W-C-IL-SUK-4on30motion-MB2-BLK with Pole side Light Shield and mounted to CS-P-ANTS-400186168-DM1-BC-BK-SC-P1 Or approved equal.	3	8/D-101

32 EXTERIOR IMPROVEMENTS SCHEDULE MIDDLE

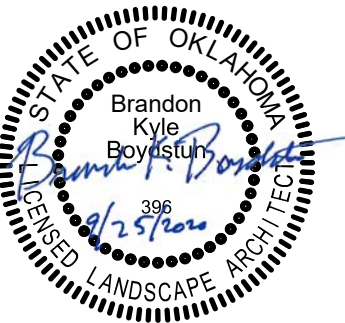
SYMBOL	CONCRETE PAVING DESCRIPTION	QTY	DETAIL
32-13-01	5" Reinforced Integral Colored Concrete on 2" Compacted Gravel Base.	5,091 sf	4/D-101
32-13-01A	ADD ALT. 1 - 5" Reinforced Integral Colored Concrete on 2" Compacted Gravel Base.	3,616 sf	4/D-101
32-13-03	Contraction Joint (Saw Cut)	977 lf	7/D-101
32-13-03A	Add Alt. 1 - Contraction Joint (Saw Cut)	736 lf	7/D-101
32-13-04	Tied Expansion Joint	100 lf	6/D-101
32-13-04A	Add Alt. 1 - Tied Expansion Joint	75 lf	6/D-101
32-13-05	Standard 8" Thick Reinforced Concrete Mower Crossing for 5' Wide Concrete Walk	1	5/D-101
32-13-05A	Add Alt. 1 - Standard 8" Thick Reinforced Concrete Mower Crossing for 5' Wide Concrete Walk	1	5/D-101
32-13-10A	Add Alt. 2 - 5" THICK CONCRETE APRON FOR CMP CULVERT. PER CITY STANDARD DETAIL. INTEGRAL COLOR MIX TO MATCH ADJACENT WALKWAY.	150 sf	

THE CITY OF OKLAHOMA CITY  
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Improvements to Crown Heights Park  
Walks and Paths  
600 NW 38th Street  
OKLAHOMA CITY, OK

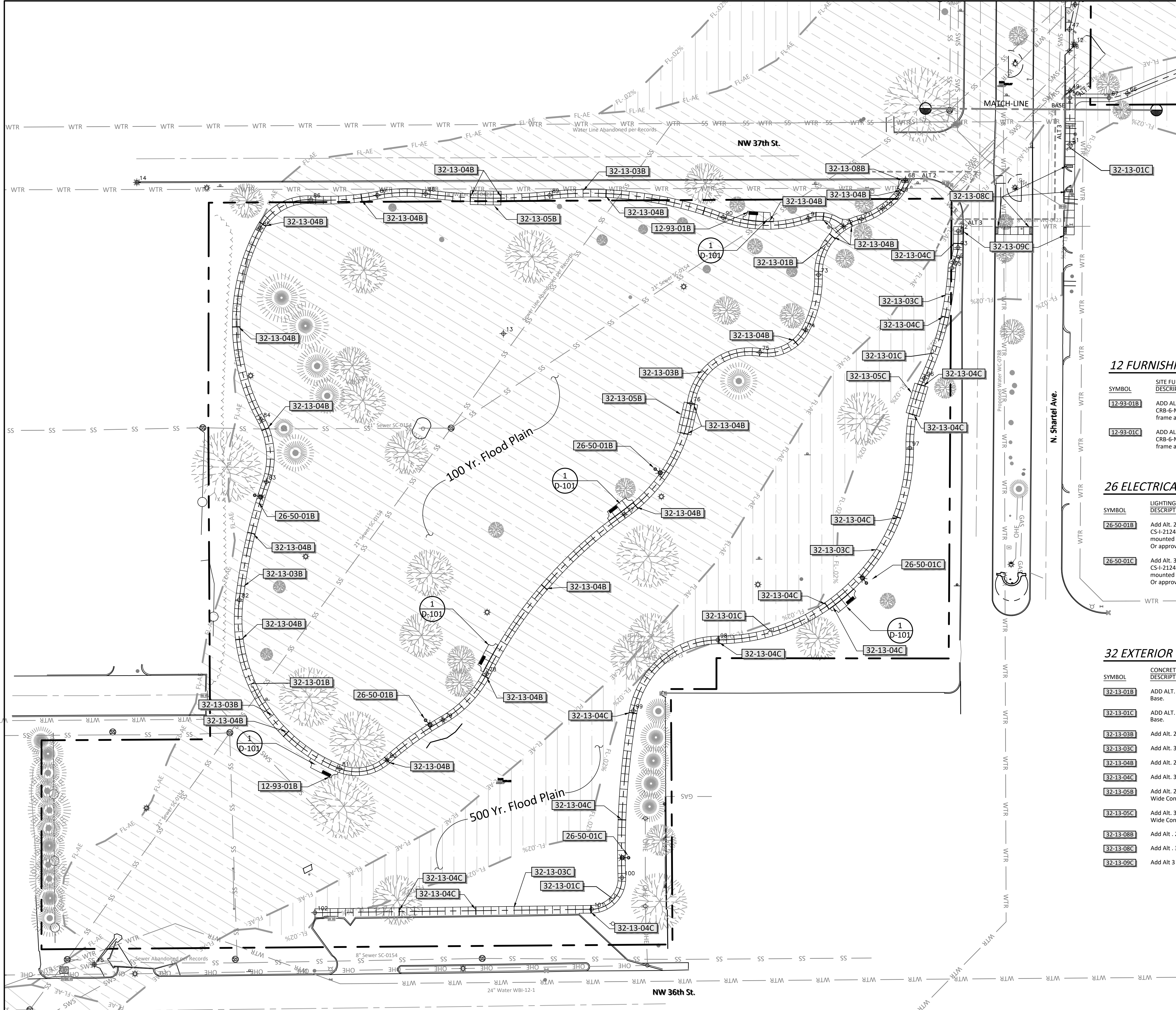
PROJECT NO.: MP-0542  
DRAWN BY: Staff  
APPROVED BY: BKB



ISSUE:      DATE:  
60% Review Set      4/30/2020  
95% Review Set      5/23/2020  
BID SET      9/25/2020

SHEET NO.:  
**L-202**  
AREA-2 SITE PLAN





NORTHING/EASTING POINT SCHEDULE

POINT	DESCRIPTION	NORTHING	EASTING
13	3/8 IRON   OKC CAP	N 185624.17	E 2109419.99
14	"X" TOP OF CURB   ELEV. 1103.802	N 185722.77	E 2109180.92
15	"X" TOP OF CURB   ELEV. 1163.030	N 185212.96	E 2109153.22
68		N 185724.51	E 2109682.27
69		N 185715.35	E 2109677.82
70		N 185705.84	E 2109667.26
71		N 185698.90	E 2109653.47
72		N 185693.91	E 2109641.90
73		N 185662.49	E 2109625.50
74		N 185626.63	E 2109617.05
75		N 185611.94	E 2109587.20
76		N 185578.59	E 2109542.35
77		N 185506.39	E 2109498.91
78		N 185402.48	E 2109409.14
79		N 185372.33	E 2109380.54
80		N 185346.10	E 2109344.11
81		N 185340.62	E 2109313.16
82		N 185450.64	E 2109247.73
83		N 185527.52	E 2109265.37
84		N 185568.24	E 2109261.84
85		N 185692.95	E 2109261.44
86		N 185711.41	E 2109294.45
87		N 185714.36	E 2109337.77
88		N 185715.35	E 2109369.26
89		N 185714.36	E 2109450.18
90		N 185699.86	E 2109563.32
91		N 185699.37	E 2109618.91
92		N 185691.01	E 2109716.65
93		N 185680.27	E 2109716.45
94		N 185671.26	E 2109713.91
95		N 185666.97	E 2109712.51
96		N 185595.08	E 2109694.56
97		N 185549.59	E 2109685.03
98		N 185424.49	E 2109559.83
99		N 185378.30	E 2109504.73
100		N 185269.53	E 2109497.25
101		N 185248.91	E 2109477.50
102		N 185246.69	E 2109297.04

12 FURNISHINGS SCHEDULE WEST

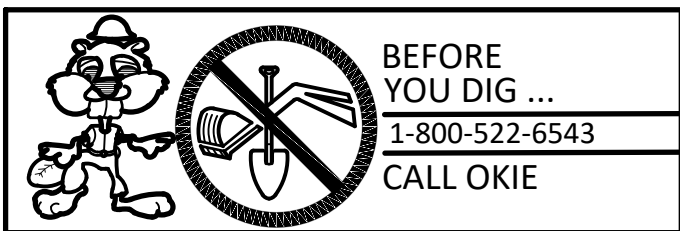
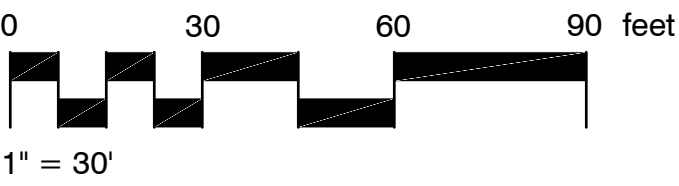
SYMBOL	SITE FURNISHINGS DESCRIPTION	QTY	DETAIL
12-93-01B	ADD ALT. 2 - Thomas Steele CRB-6-M CRB-6-M Bench Series. 71" Length, 33" Height and 27.5" Depth. Steel tube frame and flat bar steel construction.	4	3/D-101
12-93-01C	ADD ALT. 3 - Thomas Steele CRB-6-M CRB-6-M Bench Series. 71" Length, 33" Height and 27.5" Depth. Steel tube frame and flat bar steel construction.	1	3/D-101

26 ELECTRICAL SCHEDULE WEST

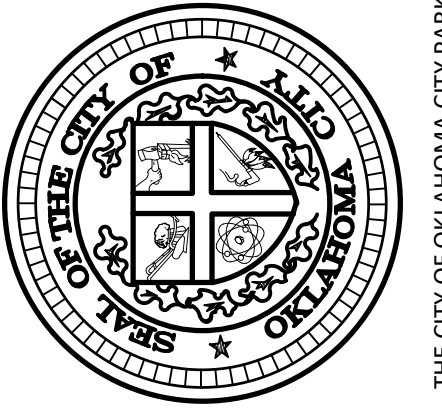
SYMBOL	LIGHTING DESCRIPTION	QTY	DETAIL
26-50-01B	Add Alt. 2 - Lightpole with Solar LED. GridShift Solutions - Cuesta Sol: CS-I-2124-20W-C-II-50K-4on30motion-MB2-BLK with Pole side Light Shield and mounted to CS-P-ANTS-400188168-DM1-BC-BK-SC-P1 Or approved equal.	3	8/D-101
26-50-01C	Add Alt. 3 - Lightpole with Solar LED. GridShift Solutions - Cuesta Sol: CS-I-2124-20W-C-II-50K-4on30motion-MB2-BLK with Pole side Light Shield and mounted to CS-P-ANTS-400188168-DM1-BC-BK-SC-P1 Or approved equal.	2	8/D-101

32 EXTERIOR IMPROVEMENTS SCHEDULE WEST

SYMBOL	CONCRETE PAVING DESCRIPTION	QTY	DETAIL
32-13-01B	ADD ALT. 2 - 5" Reinforced Integral Colored Concrete on 2" Compacted Gravel Base.	6,913 sf	4/D-101
32-13-01C	ADD ALT. 3 - 5" Reinforced Integral Colored Concrete on 2" Compacted Gravel Base.	4,134 sf	4/D-101
32-13-03B	Add Alt. 2 - Contraction Joint (Saw Cut)	1,385 lf	7/D-101
32-13-03C	Add Alt. 3 - Contraction Joint (Saw Cut)	824 lf	7/D-101
32-13-04B	Add Alt. 2 - Tied Expansion Joint	170 lf	6/D-101
32-13-04C	Add Alt. 3 - Tied Expansion Joint	81 lf	6/D-101
32-13-05B	Add Alt. 2 - Standard 8" Thick Reinforced Concrete Mower Crossing for 5' Wide Concrete Walk	2	5/D-101
32-13-05C	Add Alt. 3 - Standard 8" Thick Reinforced Concrete Mower Crossing for 5' Wide Concrete Walk	1	5/D-101
32-13-08B	Add Alt. 2 - ADA Ramp with detectible warning. City Standard Type F	1	
32-13-08C	Add Alt. 3 - ADA Ramp with detectible warning. City Standard Type F	4	
32-13-09C	Add Alt. 3 - ADA Ramp with detectible warning. City Standard Type D	2	

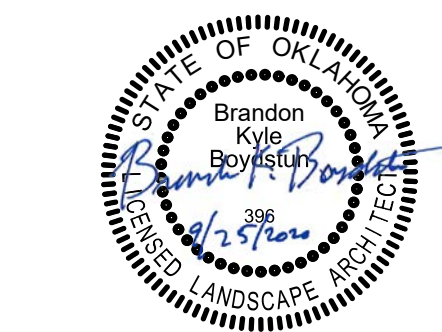


THE CITY OF OKLAHOMA CITY  
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PLANNING DIVISION



Improvements to Crown Heights Park  
Walks and Paths  
600 NW 38th Street  
OKLAHOMA CITY, OK

PROJECT NO.: MP-0542  
DRAWN BY: Staff  
APPROVED BY: BKB



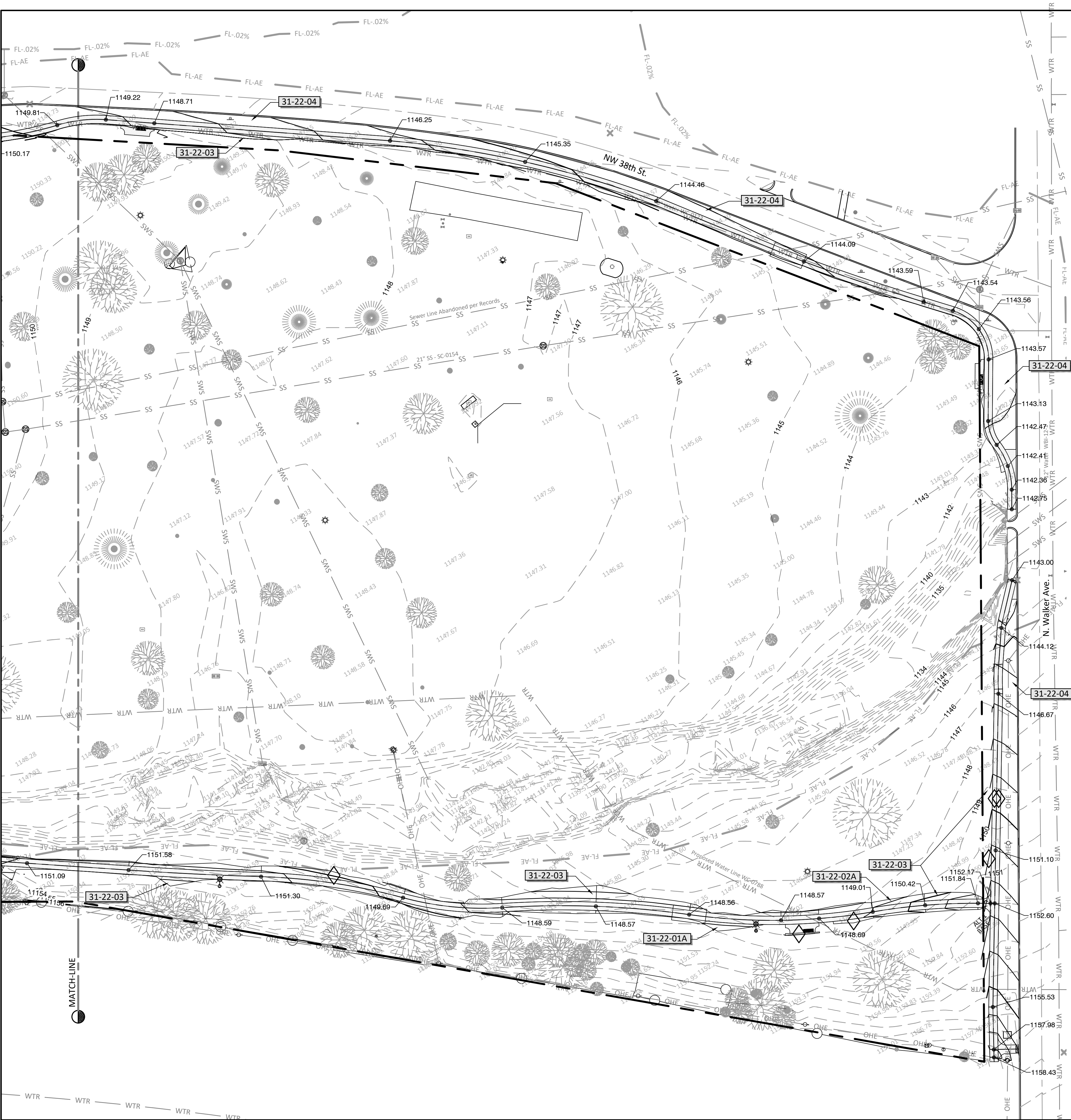
ISSUE: DATE:  
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95% Review Set 5/23/2020  
BID SET 9/25/2020

SHEET NO.:  
L-203  
AREA-3 SITE PLAN



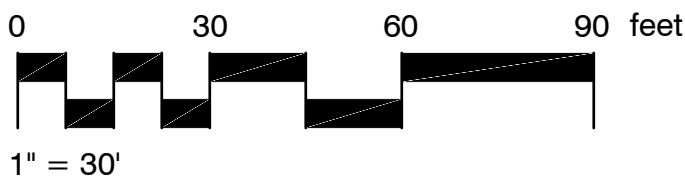






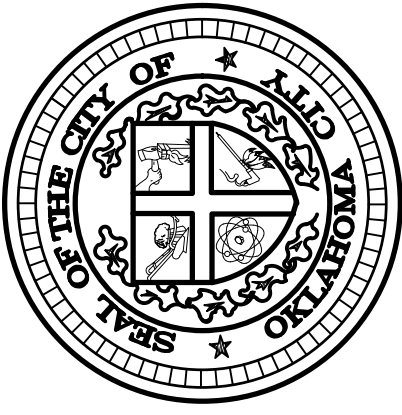
31 EARTHWORK SCHEDULE EAST

SYMBOL	GRADING DESCRIPTION	Cubic Yards
31-22-01A	Add Alt. 1 - Unclassified Excavation - Cut	142
31-22-02A	Add Alt. 1 - Unclassified Excavation - FILL	145
31-22-03	4:1 Max Side Slope	
31-22-04	Provide smooth transitions from proposed surfaces to existing grades.	



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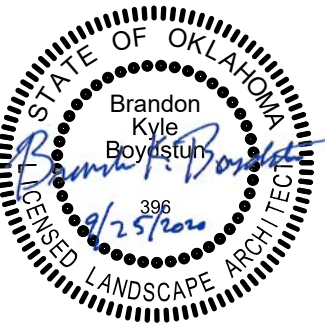
THE CITY OF OKLAHOMA CITY PARKS AND RECREATION DEPARTMENT  
420 W. MAIN STREET, SUITE 210, OKLAHOMA CITY, OK 73102 OFFICE: 405.297.3882

Improvements to Crown Heights Park  
Walks and Paths

600 NW 38th Street

OKLAHOMA CITY, OK

PROJECT NO.: MP-0542  
DRAWN BY: Staff  
APPROVED BY: BKB



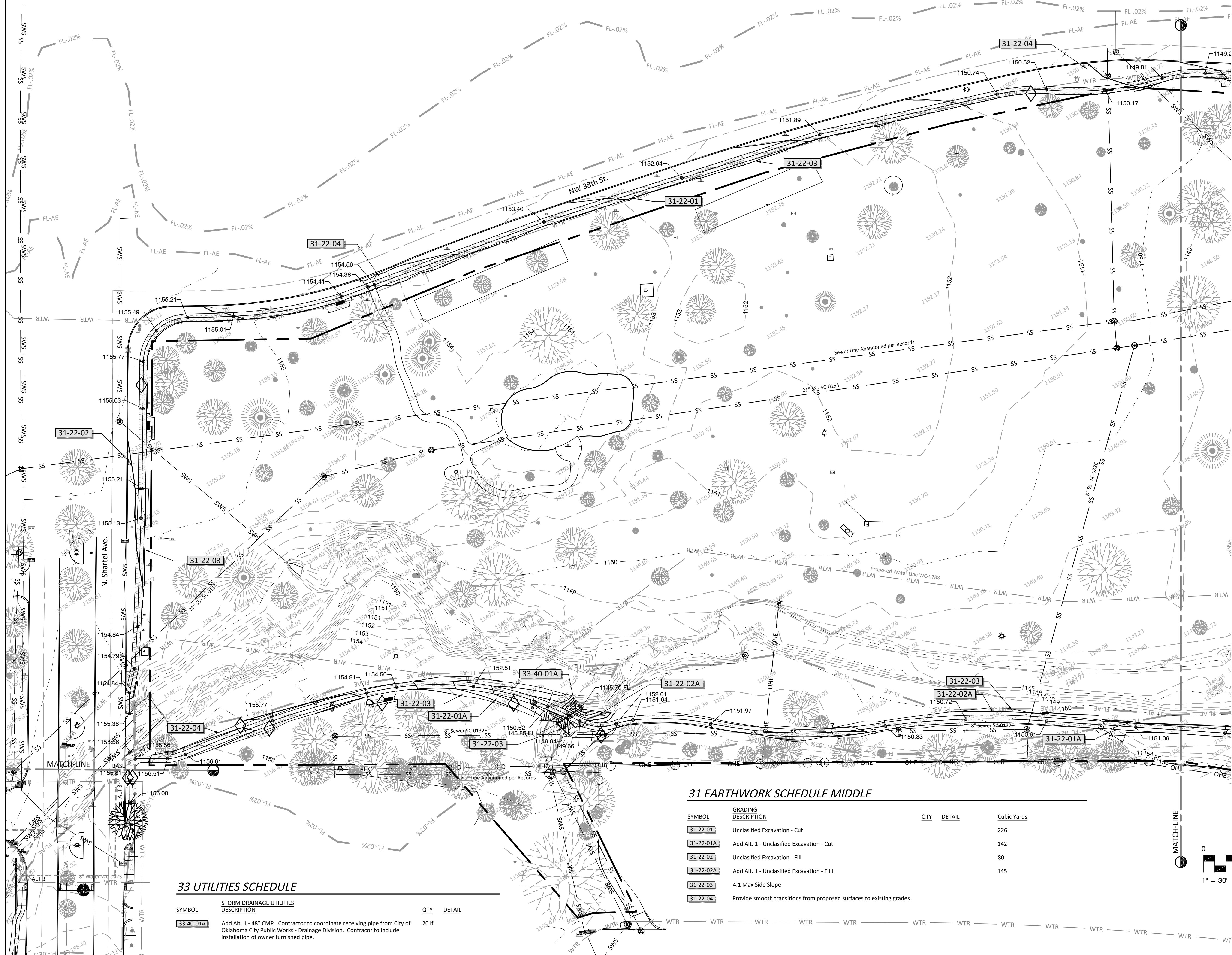
ISSUE: DATE:  
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SHEET NO.:

L-301

AREA-1 GRADING &  
DRAINAGE



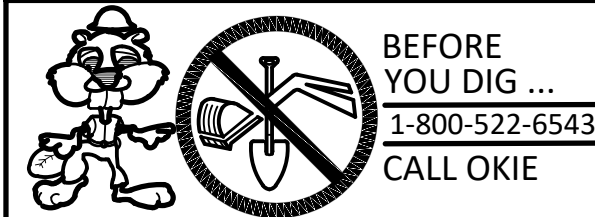
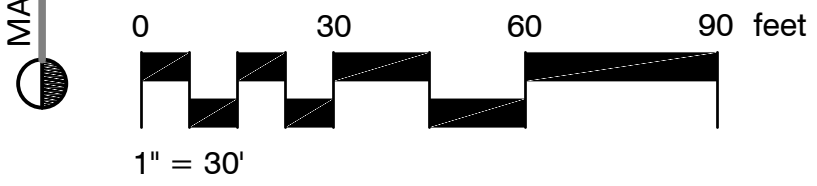


33 UTILITIES SCHEDULE

SYMBOL	STORM DRAINAGE UTILITIES DESCRIPTION	QTY	DETAIL
33-40-01A	Add Alt. 1 - 48" CMP. Contractor to coordinate receiving pipe from City of Oklahoma City Public Works - Drainage Division. Contractor to include installation of owner furnished pipe.	20	If

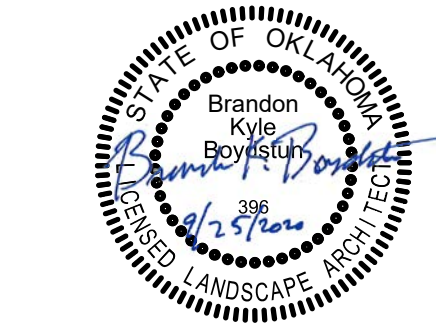
31 EARTHWORK SCHEDULE MIDDLE

SYMBOL	GRADING DESCRIPTION	QTY	DETAIL	Cubic Yards
31-22-01	Unclassified Excavation - Cut	226		
31-22-01A	Add Alt. 1 - Unclassified Excavation - Cut	142		
31-22-02	Unclassified Excavation - Fill	80		
31-22-02A	Add Alt. 1 - Unclassified Excavation - FILL	145		
31-22-03	4:1 Max Side Slope			
31-22-04	Provide smooth transitions from proposed surfaces to existing grades.			



Improvements to Crown Heights Park  
Walks and Paths

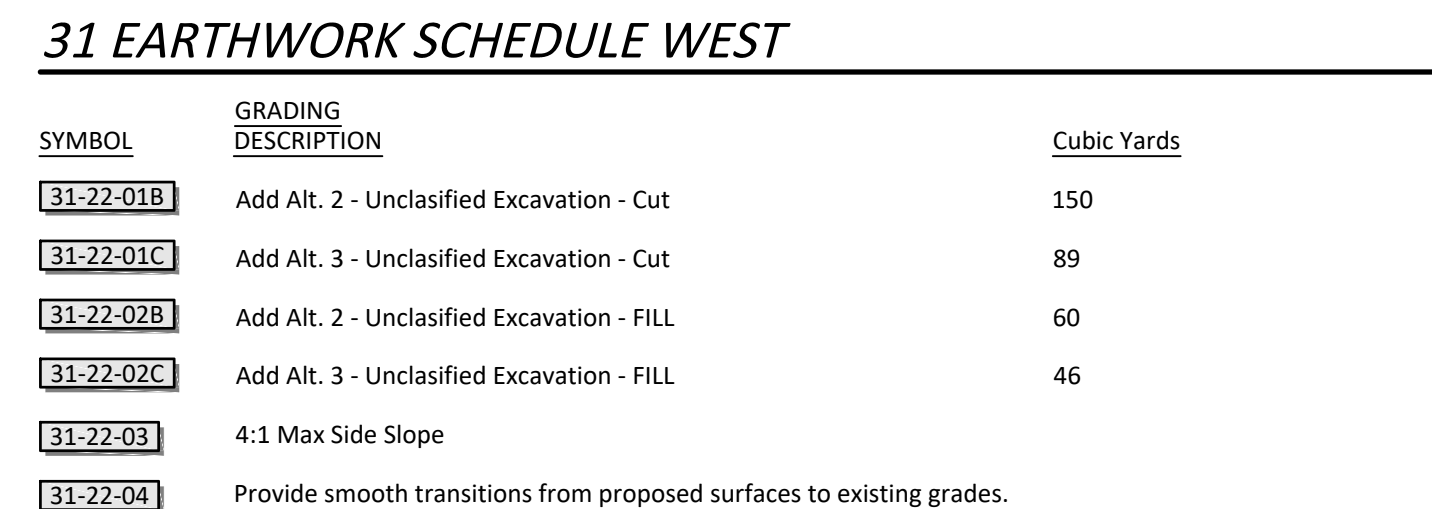
PROJECT NO.: MP-0542  
DRAWN BY: Staff  
APPROVED BY: BKB



ISSUE:	DATE:
60% Review Set	4/30/2020
95% Review Set	5/23/2020
BID SET	9/25/2020

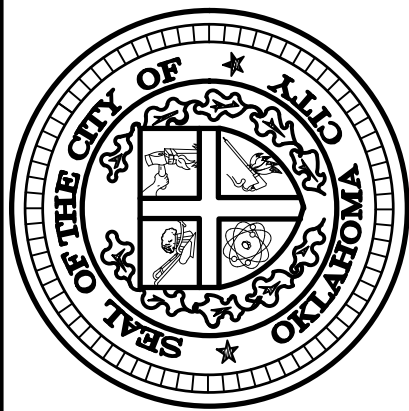
SHEET NO.:  
**L-302**  
AREA-2 GRADING &  
DRAINAGE





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## Improvements to Crown Heights Park Walks and Paths

600 NW 38th Street

OKLAHOMA CITY, OK

PROJECT NO.: MP-0542

DRAWN BY: Staff

APPROVED BY: BKB



ISSUE:	DATE:
60% Review Set	4/30/2021
95% Review Set	5/23/2021
BID SET	9/25/2021

SHEET NO.:

# L-303

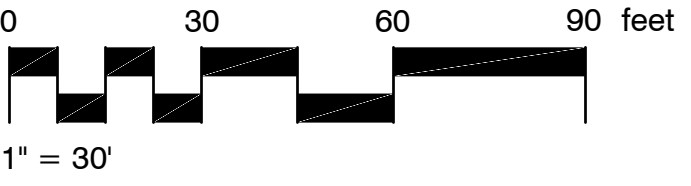
### AREA-3 GRADING & DRAINAGE





31 EARTHWORK SCHEDULE EAST

SYMBOL	EROSION AND SEDIMENTATION CONTROLS DESCRIPTION	QTY	DETAIL
31-25-01	Erosion Control - Temporary Silt Fence	1,306 lf	1/D-301
31-25-01A	Add Alt.1 - Erosion Control - Temporary Silt Fence	538 lf	1/D-301



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THE CITY OF OKLAHOMA CITY  
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# Improvements to Crown Heights Park Walks and Paths

600 NW 38th Street  
OKLAHOMA CITY, OK

PROJECT NO.: MP-0542

DRAWN BY: Staff

APPROVED BY: BKB

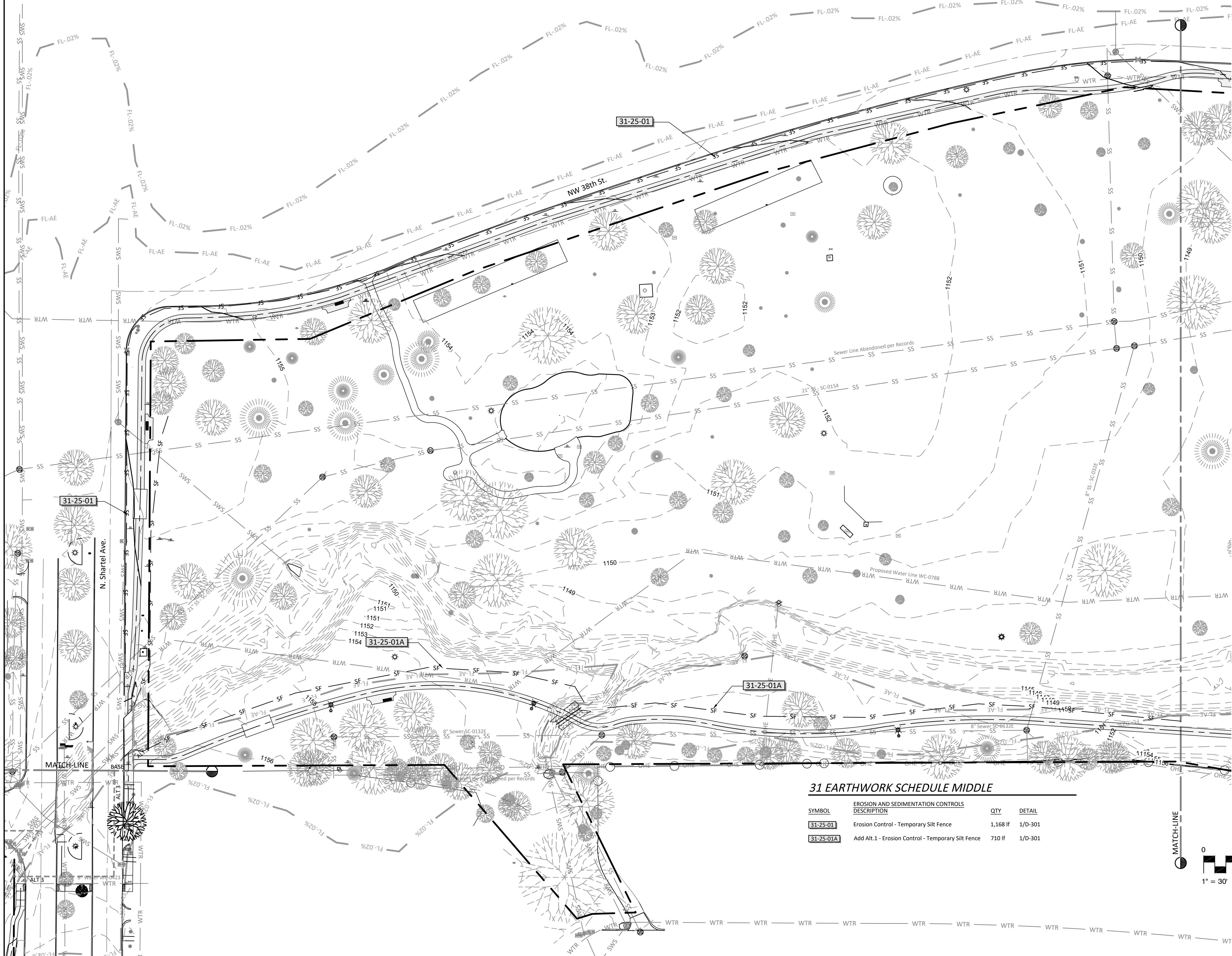
ISSUE:	DATE:
60% Review Set	4/30/2020
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SHEET NO.:

L-304

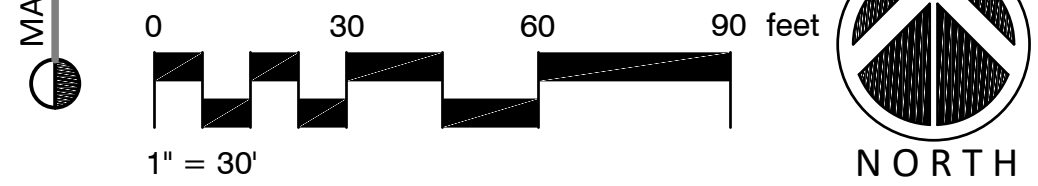
AREA-1 EROSION CONTROL





31 EARTHWORK SCHEDULE MIDDLE

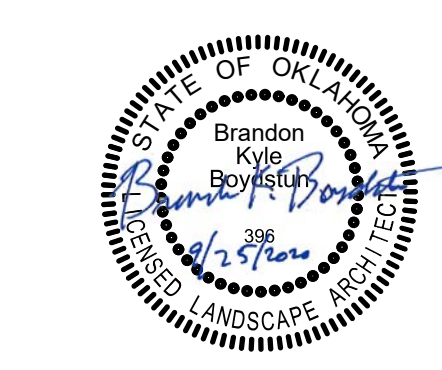
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31-25-01	Erosion Control - Temporary Silt Fence	1,168 lf	1/D-301
31-25-01A	Add Alt.1 - Erosion Control - Temporary Silt Fence	710 lf	1/D-301



Improvements to Crown Heights Park  
Walks and Paths

600 NW 38th Street  
OKLAHOMA CITY, OK

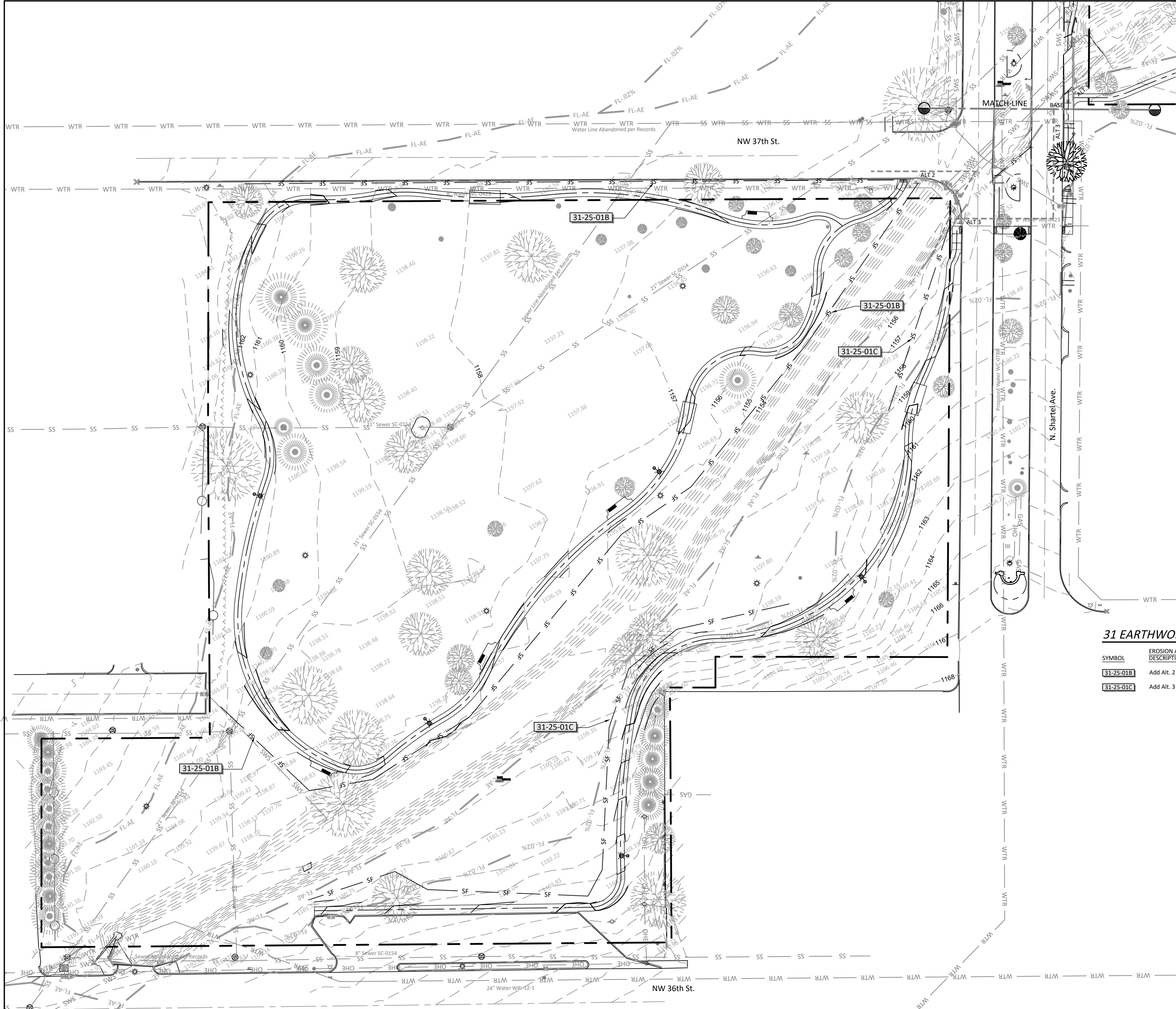
PROJECT NO.: MP-0542  
DRAWN BY: Staff  
APPROVED BY: BKB



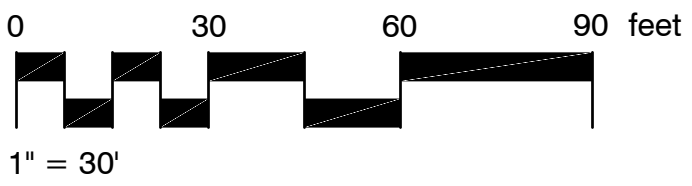
ISSUE:	DATE:
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SHEET NO.:  
**L-305**  
AREA-2 EROSION CONTROL






31 EARTHWORK SCHEDULE WEST			
SYMBOL	EROSION AND SEDIMENTATION CONTROLS DESCRIPTION	QTY	DETAIL
31-25-01B	Add Alt. 2 - Erosion Control - Temporary Silt Fence	1,110 lf	1/D-301
31-25-01C	Add Alt. 3 - Erosion Control - Temporary Silt Fence	585 lf	1/D-301






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Improvements to Crown Heights Park  
Walks and Paths  
600 NW 38th Street  
OKLAHOMA CITY, OK

PROJECT NO.: MP-0542  
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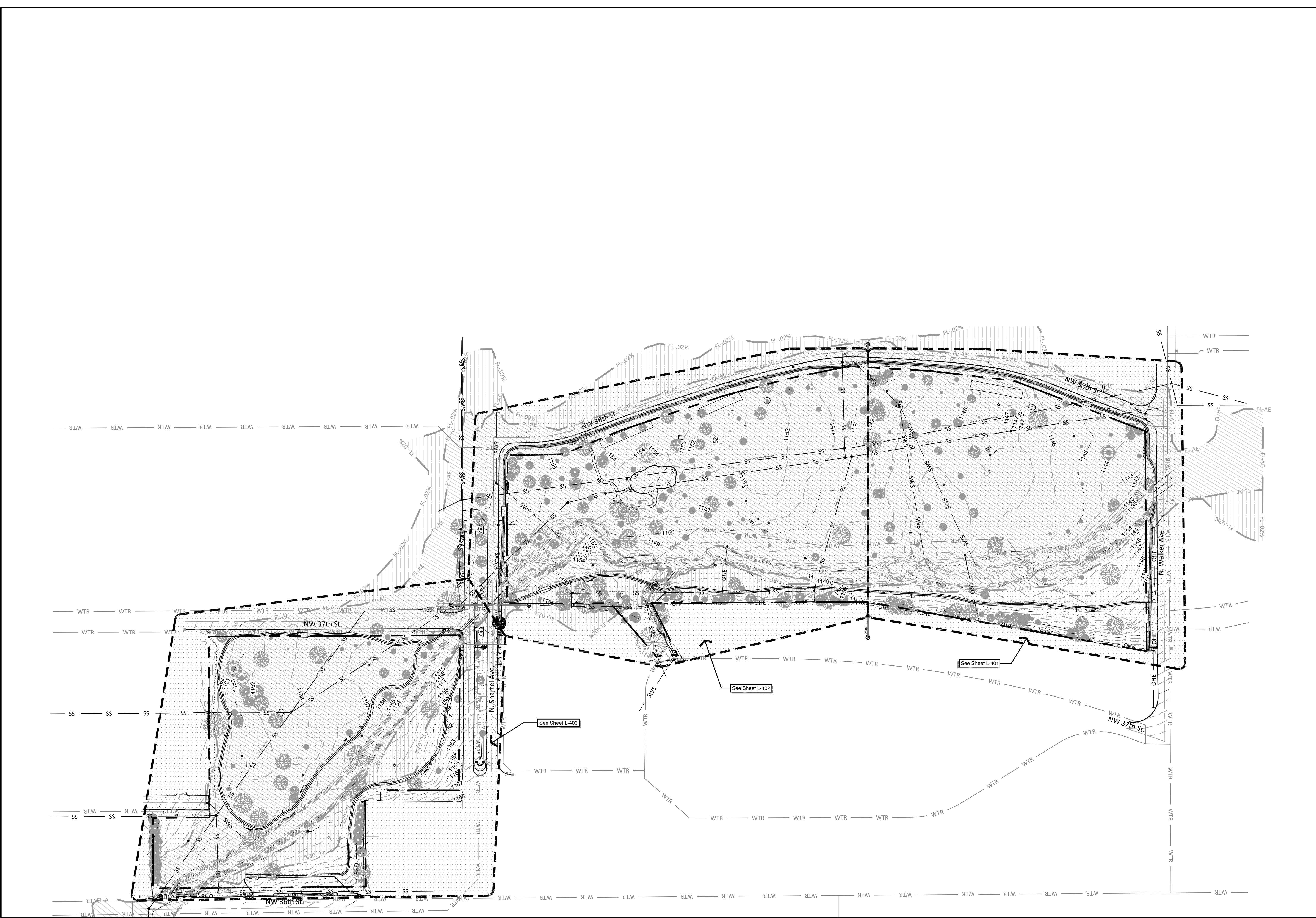
ISSUE:	DATE:
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L-306

AREA-3 EROSION CONTROL





# Improvements to Crown Heights Park Walks and Paths

OKLAHOMA CITY, OK

PROJECT NO.: MP-0542  
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SHEET NO.:  
**L-400**  
LANDSCAPE PLAN





PLANT SCHEDULE BASE1

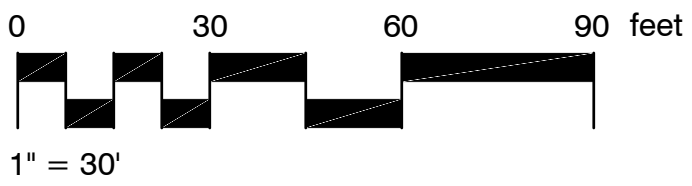
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	DETAIL
	9,873 sf	Cynodon dactylon 'U3' / U3 Bermuda Grass Base Bid	sod		

PLANT SCHEDULE ALT1

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	DETAIL
QUE MA2	2	Quercus macrocarpa / Burr Oak Add Alt. 2	B & B	2" Cal	7/D-102

GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	DETAIL
	5,212 sf	Cynodon dactylon 'U3' / U3 Bermuda Grass Add Alt 1	sod		



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THE CITY OF OKLAHOMA CITY PARKS AND RECREATION DEPARTMENT  
420 W. MAIN STREET, SUITE 210, OKLAHOMA CITY, OK 73102 OFFICE: 405.297.3882

Improvements to Crown Heights Park  
Walks and Paths

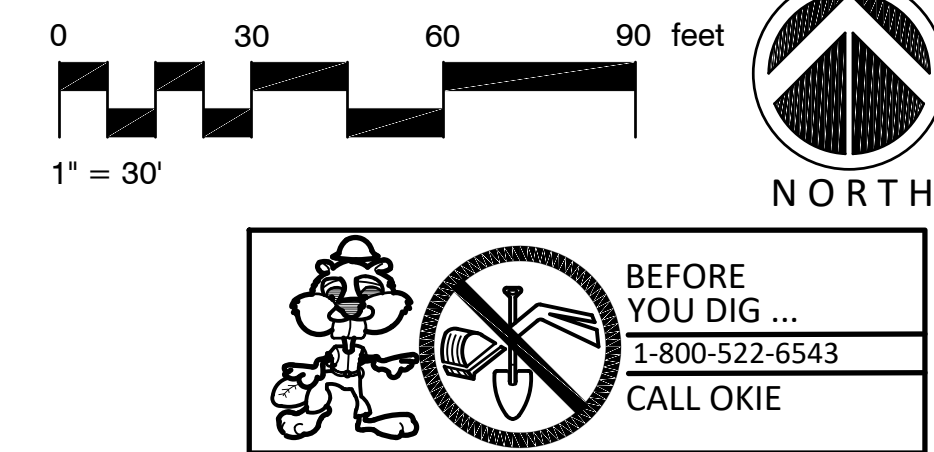
OKLAHOMA CITY, OK

PROJECT NO.: MP-0542  
DRAWN BY: Staff  
APPROVED BY: BKB

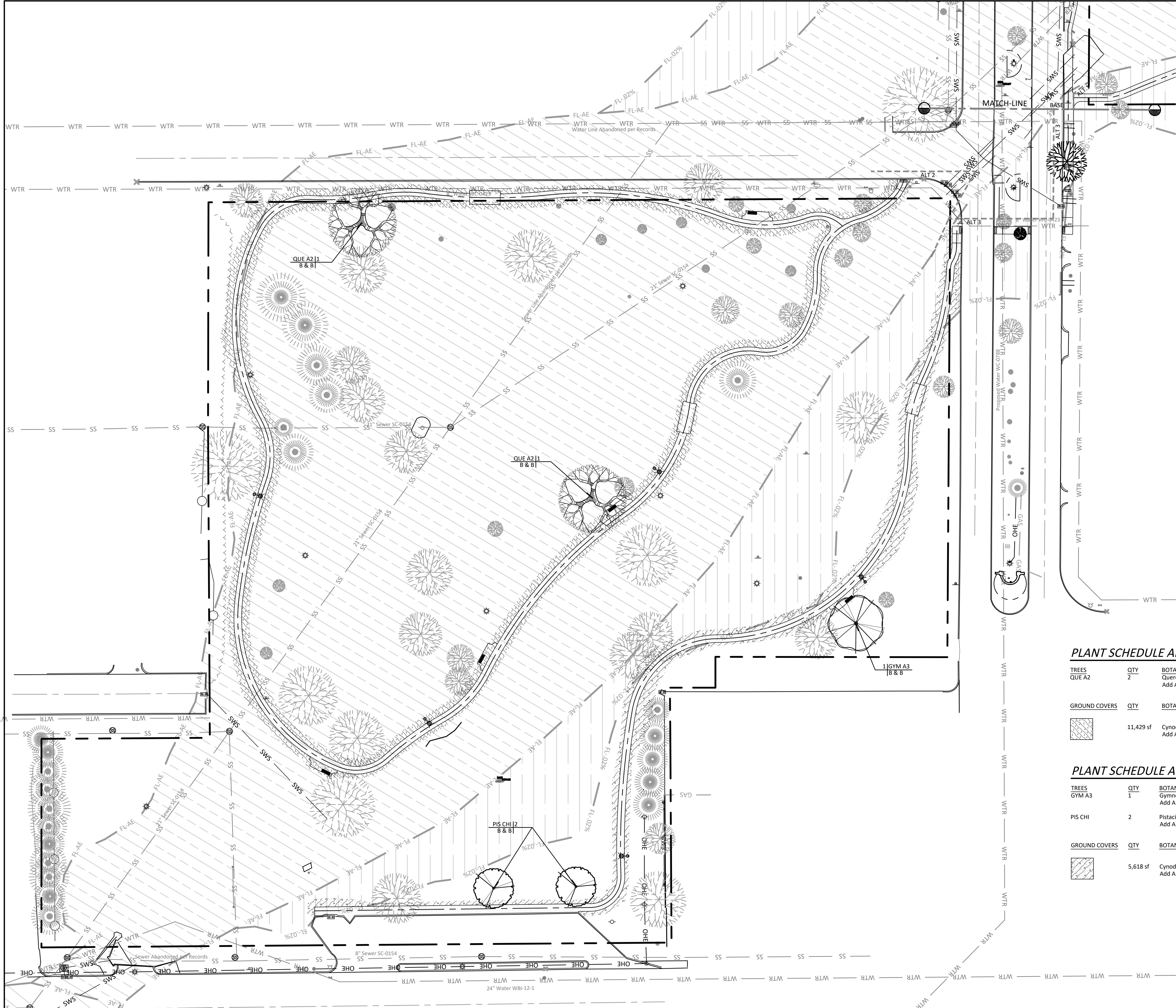
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SHEET NO.:  
**L-401**  
AREA 1- LANDSCAPE PLAN



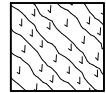






PLANT SCHEDULE ALT2

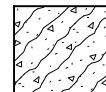
TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	DETAIL
QUE A2	2	Quercus muhlenbergii / Chinkapin Oak Add Alt. 2	B & B	2"Cal	7/D-102

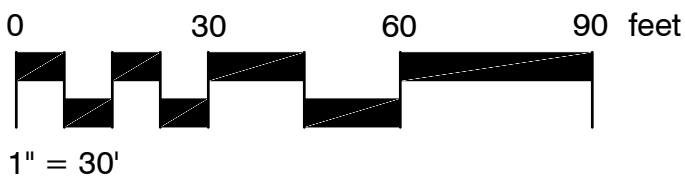
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	DETAIL
	11,429 sf	Cynodon dactylon 'U3' / U3 Bermuda Grass Add Alt. 2	sod		

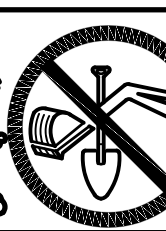

PLANT SCHEDULE ALT3

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	DETAIL
GYM A3	1	Gymnocladus dioica 'Espresso' / Kentucky Coffeetree Add Alt. 3	B & B	2"Cal	7/D-102

PIS CHI	2	Pistacia chinensis / Chinese Pistache Add Alt. 3	B & B	2"Cal	7/D-102
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GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	DETAIL
	5,618 sf	Cynodon dactylon 'U3' / U3 Bermuda Grass Add Alt. 3	sod		





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Improvements to Crown Heights Park  
Walks and Paths

OKLAHOMA CITY, OK

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**L-403**  
AREA 3 - LANDSCAPE PLAN