

Beck Park Expansion – Phase 1

Bid # 25-11

ADDENDUM No. 4

April 17, 2025

Any and all changes to the Contract Document are valid only if they are included by written addendum to all potential respondents, which will be mailed, emailed and/or faxed prior to the bid due date to all who are known to have received a complete bid document. Each respondent must acknowledge receipt of any addenda by indicating on the Bid Form. Each respondent, by acknowledging receipt of any addenda, is responsible for the contents of the addenda and any changes to the bid proposal therein. Failure to acknowledge receipt of any addenda may cause the bid to be rejected. If any language or figures contained in this addendum are in conflict with the original document, this addendum shall prevail.

This addendum consists of the following:

1. Addendum Number Four (4) is attached and consists of a total of twenty four (24) pages including this cover sheet. Any changes to the drawings or specifications noted within Addendum Number Four (4) will be reflected in subsequent drawing issues.

Please feel free to call (847-866-2910) or email (lithomas@cityofevanston.org) with any questions or comments.

Sincerely,

Linda Thomas
Purchasing Specialist

Beck Park Expansion – Phase 1

Bid # 25-11

ADDENDUM No. 4

April 17, 2025

This addendum forms a part of the Specifications and Bid Documents for Bid #25-11 and modifies these documents. This addendum consists of the following:

Exhibit A – Bid Form

Section 1.11 Unit Pricing List

- Unit Price List Item # 5 – Base bid quantity has been modified.
- Unit Price List Item # 6 - Asphalt Base Repair has been added to the unit price list.
- Unit Price List Item #7 – Asphalt Crack Repair has been added to the unit price list. Asphalt crack repair shall be performed in accordance with IDOT Standard Specification 406 and shall include installation of a fiberglass repair system over filled cracks per IDOT Standard Specification Section 444.

Drawings:

Sheet L6.05 Site Details

- All limestone caps at stone clad seat walls shall have a sandblast finish

Sheet L6.06 Site Details

- All limestone caps at pavilion columns shall have a sandblast finish

The following drawings have been reissued in their entirety. Modifications have been made per the following and called out with revision cloud and “A4”

Sheet C3.01 Geometric Plan

- Sidewalk connection to McDaniel Avenue Street Project added
- McDaniel Avenue Street Project (By City of Evanston) added, for reference
- Added new callout/detail reference for R.O.W. concrete driveway pavement at southwest parking lot driveway.

Sheet C3.02 Geometric Plan

- McDaniel Avenue Street Project (By City of Evanston) added, for reference

Sheet C4.04 Excavation Plans

- Reduced depths of aggregate base excavation for both north and south playground areas.
- Extended limits of aggregate base excavation to include canopy downspout/sewer outfall.

Sheet C5.01 Utility Plan

- Reduced size of underground StormTrap vault
- Raised elevation of underground StormTrap vault by 12"
- Adjusted adjacent storm sewers accordingly.
- Replaced outlet control structure (including custom vortex restrictor) with standard catch basin.

Sheet C5.02 Utility Plan

- Revised playground underdrainage per updates to sheet C4.04 and adjusted adjacent storm sewers accordingly.
- Revised pavilion canopy downspout/sewer outfall design to include infiltration trench with underdrainage piping.
- Replaced outlet control structure (including custom vortex restrictor) with standard catch basin.

Sheet C5.03 Utility Plan

- Revised playground underdrainage per updates to sheet C4.04 and adjusted storm adjacent sewers accordingly.
- Replaced outlet control structure (including custom vortex restrictor) with standard catch basin.

Sheet C7.02 Details

- Removed "Catch Basin, Type A w/ Vortex Restrictor" detail.
- Added "R.O.W. Concrete Driveway" section detail.

Sheet C7.04 Details

- Revised infiltration trench details to coordinate with revisions to sheets C4.04, C5.02, and C5.03.
- Removed outlet control structure and vortex restrictor details.

Sheet C7.05 Details

- Revised StormTrap system detail drawings to coordinate with revisions to sheet C5.01.

Specifications:

The following specification sections have been reissued in their entirety. Modifications have been made per the following and called out with red underlined text.

Section 01 27 00 – Unit Prices

- Part 3.01: Added Unit Price No. 6 – Asphalt Base Repair
- Part 3.01: Added Unit Price No. 7 – Asphalt Crack Repair

Section 11 68 00 – Playground Equipment and Structures

- Part 1.05 : This portion of the specification has been removed. Contractor shall purchase all playground equipment and structures.

Clarifications to Questions Received:

Question #1:

A Subcontractor brought forth a potential issue regarding the proposed Milled/Resurfaced Bike Path at Beck Park per detail 2 on sheet C7.01. It calls for 2.25" of the existing paths to be milled and replaced with .75" Leveling Binder and 1.5" surface course. The concern has to do with the leveling binder being a polymerized asphalt, and issues with it cracking due to the weight of the machines required to place it over the existing pavement. His suggestion would be to mill 2" and then just replace with 2" surface course. Please provide any clarification or if this is acceptable.

Response #1:

Detail 2 on sheet C7.01 shall remain unchanged.

Question #2:

Note 1 on the electrical sheets state " all new underground conduits shall be directly drilled MIN. 3' below grade" . We believe this may just be to indicate the minimum below grade requirement and not require boring for every electrical excavation. Is this an open cut project with trenching or are we to figure boring everything?

Response #2:

All electrical conduit shall be directionally bored.

Question #3:

Also in the spec section 26 56 00, 3.05 calls for PVC conduit to be no less than 1-1/2" but the drawing specifically calls for just a 1" conduit for exterior lights. Which one should we base our pricing on?

Response #3:

1" PVC conduit shall be used.

Note: Acknowledgment of this Addendum is required in the Bid.

1.11 UNIT PRICING LIST

The undersigned submits the following UNIT PRICING LIST to be performed as shown on the Plans and/or described in the Specifications, and agrees that items of work not specifically mentioned in the Schedule which are necessary and required to complete the work intended shall be done incidental to and as part of the work for which a unit price is given, and understands that no additional payment will be made for such incidental work from the estimated quantities shown below. Unit prices for individual line items shall be used for the project's schedule of values, pay applications and will also be used to determine the amount to ADD TO or DEDUCT FROM the contract LUMP SUM PRICE for properly authorized additional or deducted work. Bidders shall examine plans and determine actual work items and quantities for the work involved for bid analysis by the Owner. **Include the cost for the base bid quantity of each unit price item below in the Lump Sum Base Bid Amount above.**

Item	Description	Unit	Base Bid Quantity	Add Unit Cost *	Deduct Unit Cost **
1	Chain Link Fence Replacement	LF	234	\$	\$
2	Perform Existing Entry Wall Signage Repairs – Brick Replacement	EA	15	\$	\$
3	Perform Tree Pruning	EA	26	\$	\$
4	Perform Tree Root Pruning	LF	145	\$	\$
5	Perform Unsuitable Soil Removal and Title D Landfill Disposal	CY	<u>741</u>	\$	\$
<u>6</u>	<u>Asphalt Base Repair</u>	<u>SF</u>	<u>1050</u>	<u>\$</u>	<u>\$</u>
<u>7</u>	<u>Asphalt Crack Repair</u>	<u>LF</u>	<u>1050</u>	<u>\$</u>	<u>\$</u>

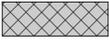
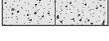
* Add costs to be provided by Bidder

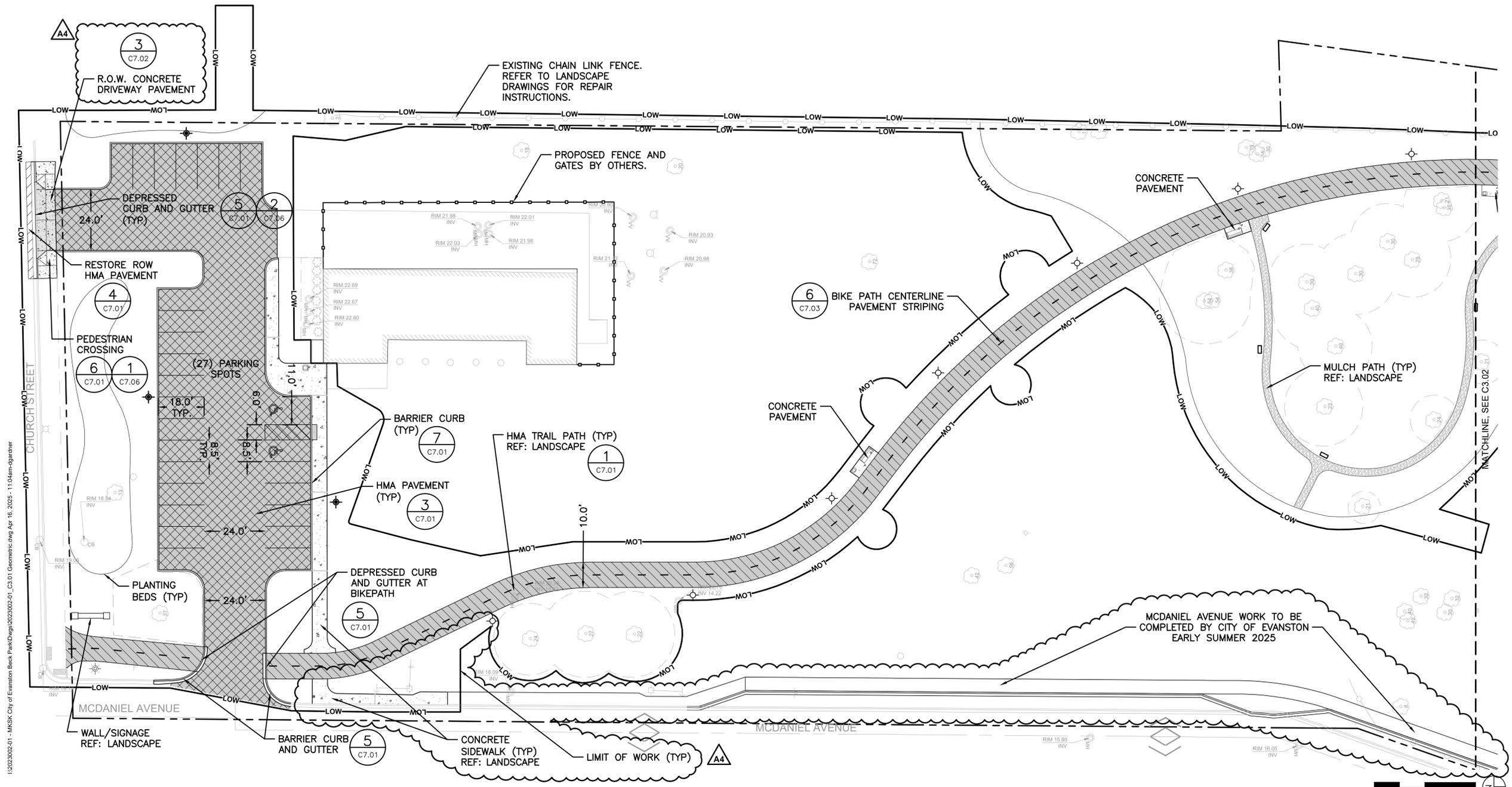
** Deduct costs to be provided by Bidder

GEOMETRIC SHEETS PROVIDED HEREIN AS REFERENCE ONLY FOR PERMITTING PURPOSES.
REFER TO LANDSCAPE DRAWINGS FOR ALL DETAILED DIMENSIONING & SITE LAYOUT INFORMATION

SOME ELEMENTS SHOWN ON GEOMETRIC SHEETS HAVE BEEN INDICATED AS ADD ALTERNATES
OR DEDUCT ALTERNATES. REFER TO LANDSCAPE DRAWINGS FOR ALL ALTERNATE INFORMATION.

LEGEND: GEOMETRIC

-  HMA PAVEMENT-PARKING LOT
-  HMA PAVEMENT-BIKE PATH (NEW)
-  HMA PAVEMENT-BIKE PATH (MILLED AND RESURFACED)
-  HMA PAVEMENT-ROW RESTORATION
-  5" CONCRETE PAVEMENT
-  5" CONCRETE SIDEWALK (ROW)
-  8" CONCRETE DRIVEWAY (ROW)
-  MULCH PATH
-  SOFT SURFACE PLAYGROUND (SEE LANDSCAPE FOR DETAILS)
-  LIMIT OF WORK
-  CONCRETE CURB
-  CHAIN LINK FENCE
-  BIKE PATH CENTERLINE STRIPING (DASHED)
-  PROPERTY LINE
-  LIGHTING REF: ELECTRICAL
-  INFORMATIONAL SIGNAGE
-  SITE FURNISHINGS (SEE LANDSCAPE FOR DETAILS)



I:\2023002-01 - MKSK City of Evanston Beck Park\Drawings\2023002-01_C3.01_Geometric.dwg Apr 16, 2025 - 11:04am-gardner

MKSK
Landscape Architecture
Urban Design
Planning

3057 NORTH ROCKWELL STREET
CHICAGO, IL 60618

client / owner
City of Evanston, IL
project name

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2525 CHURCH ST.
EVANSTON, IL 60201

Civil Engineer
David Mason & Associates Inc
333 S Desplaines St, Suite 200
Chicago, IL 60661
p 312.884.5100

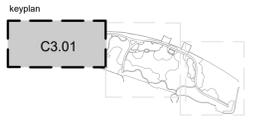
Electrical Engineer
ACGi Innovative Solutions
300 W. Adams Street #420
Chicago, IL 60606
p 312.357.1840

Environmental Engineer
Environmental Consulting Group
105 S. York Street, Suite 250
Evanston, Illinois 60126
p 630.607.0060

Geotechnical Engineer
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Schaumburg, IL 60173
p 630.994.2600

Arborist
Hendrickson Tree Care
2131 S. Foster Avenue
Wheeling, Illinois 60090
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Community Engagement
All Together
p 630.607.0060



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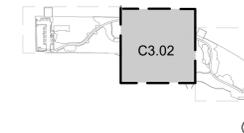
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issue date
04.16.2025

project number
n22209

sheet name
GEOMETRIC PLAN

sheet number
C3.01



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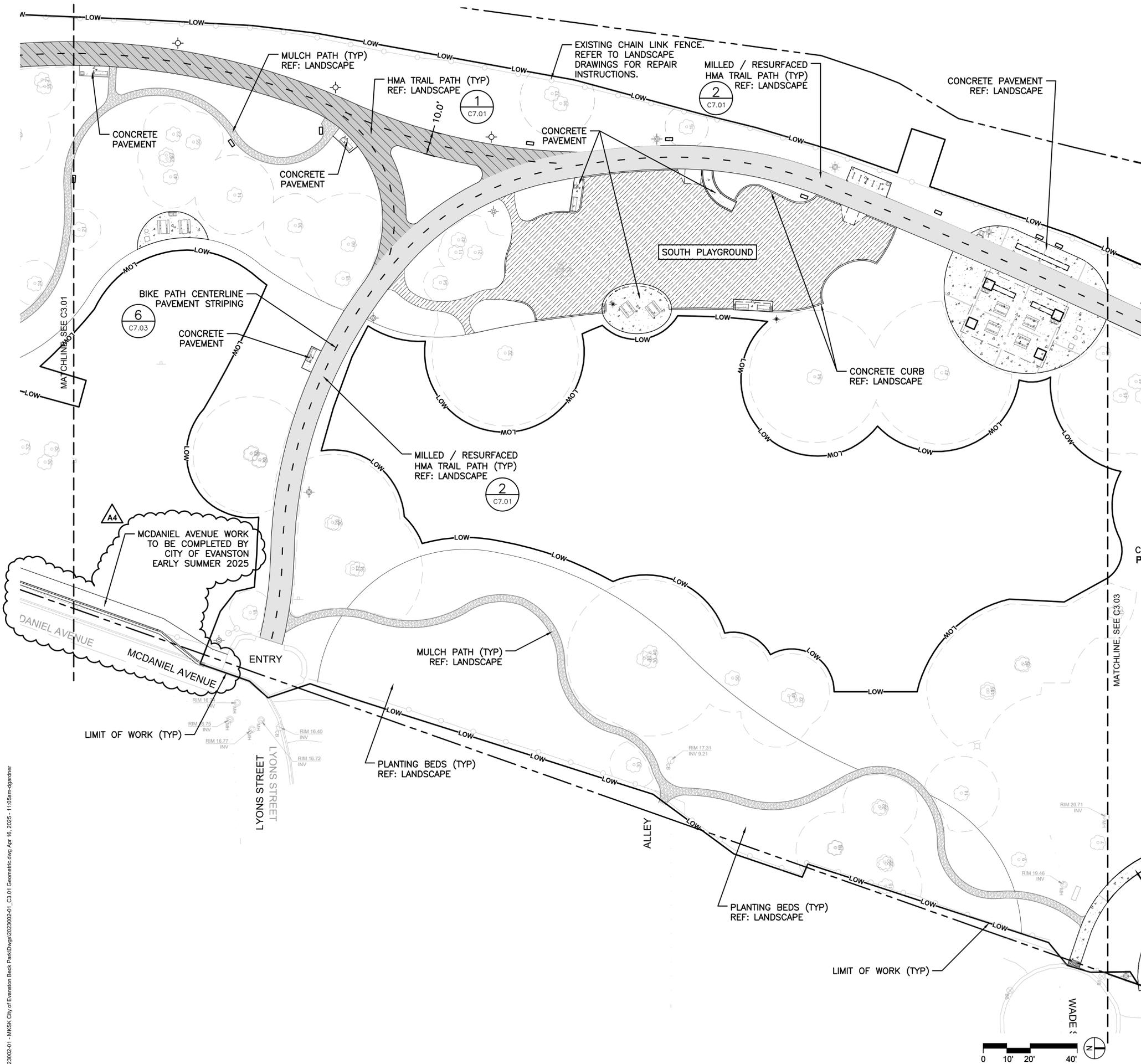
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sheet name
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sheet number
C3.02

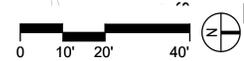


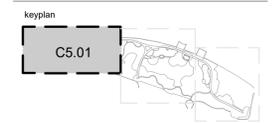
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sheet name
UTILITY PLAN

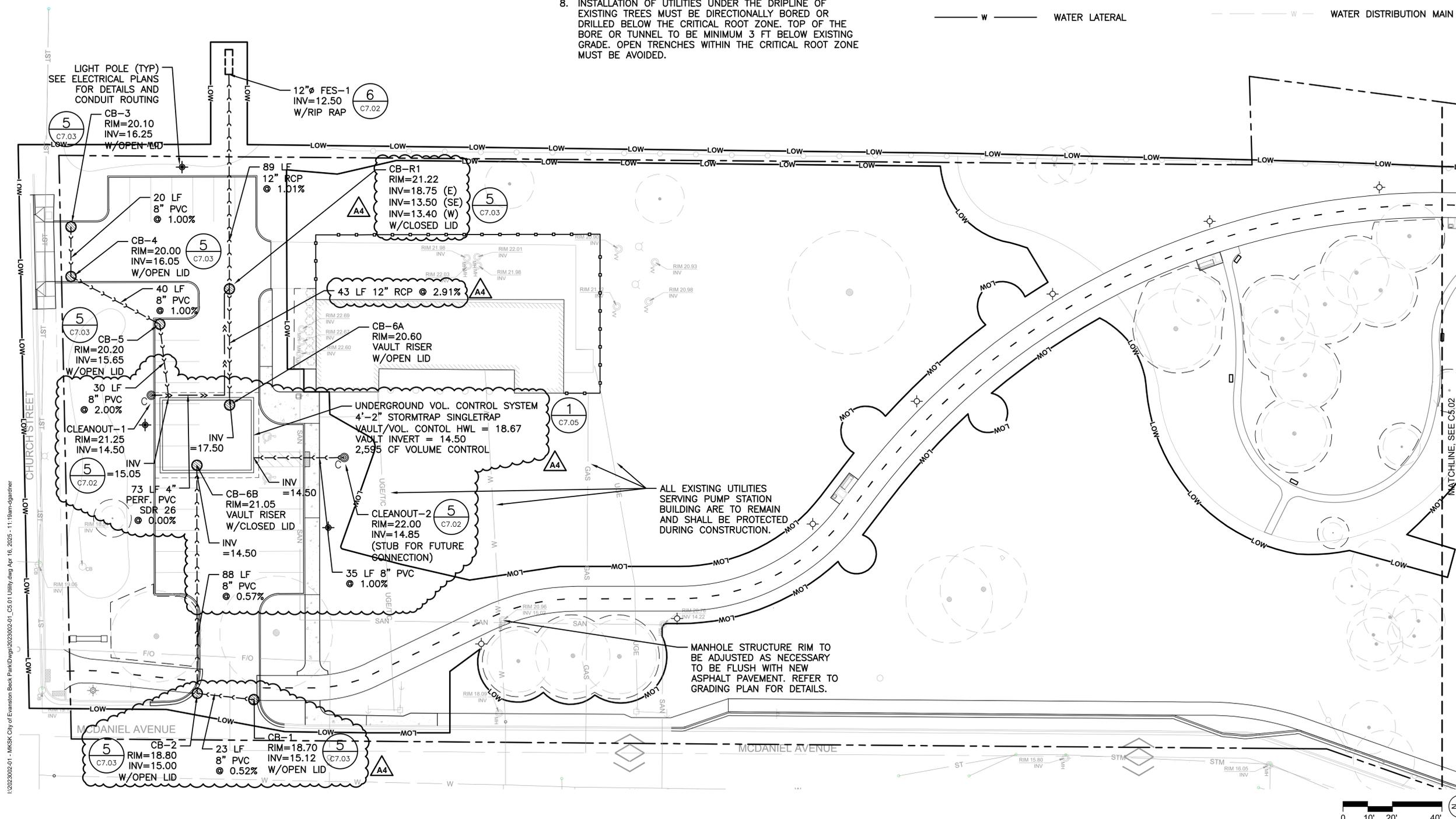
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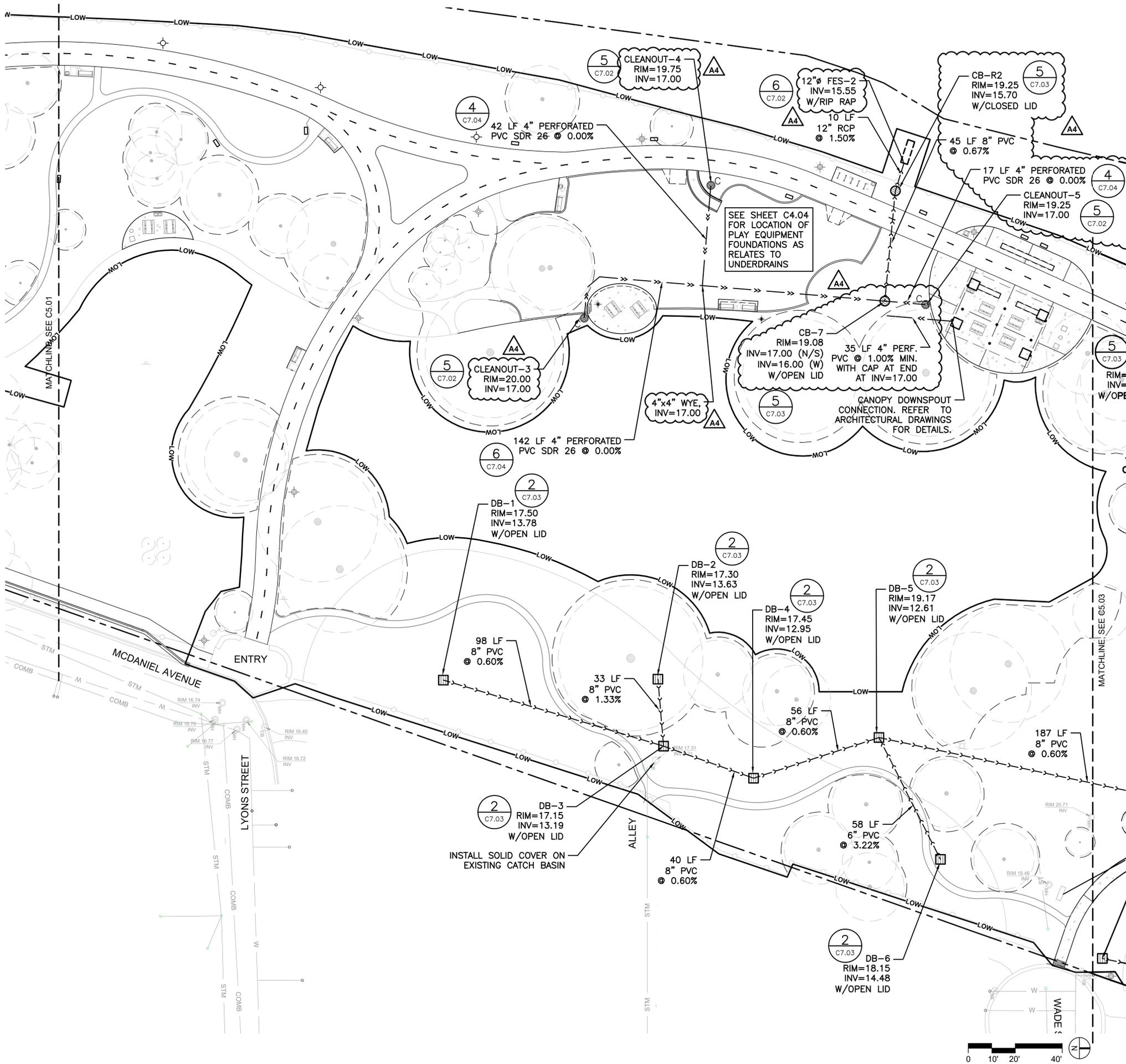
NOTES:

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LEGEND: UTILITY

	CATCH BASIN		UNDERGROUND DATA LINE
	NYLOPLAST DRAIN BASIN		UNDERGROUND ELECTRIC LINE
	RESTRICTOR CATCH BASIN W/ WEIR WALL		STORM SEWER
	DRYWELL BASIN		COMBINATION SEWER
	CLEANOUT		RELIEF SEWER
	LIGHT POLE SEE ELECTRICAL		SANITARY SEWER
	STORM SEWER		GAS LINE
	PERFORATED PVC SDR 26		FIBER OPTIC LINE
	WATER LATERAL		WATER DISTRIBUTION MAIN





LEGEND: UTILITY

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- WATER LATERAL
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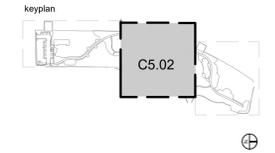
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scale

issue date	project number
04.16.2025	n22209

sheet name
UTILITY PLAN

sheet number
C5.02

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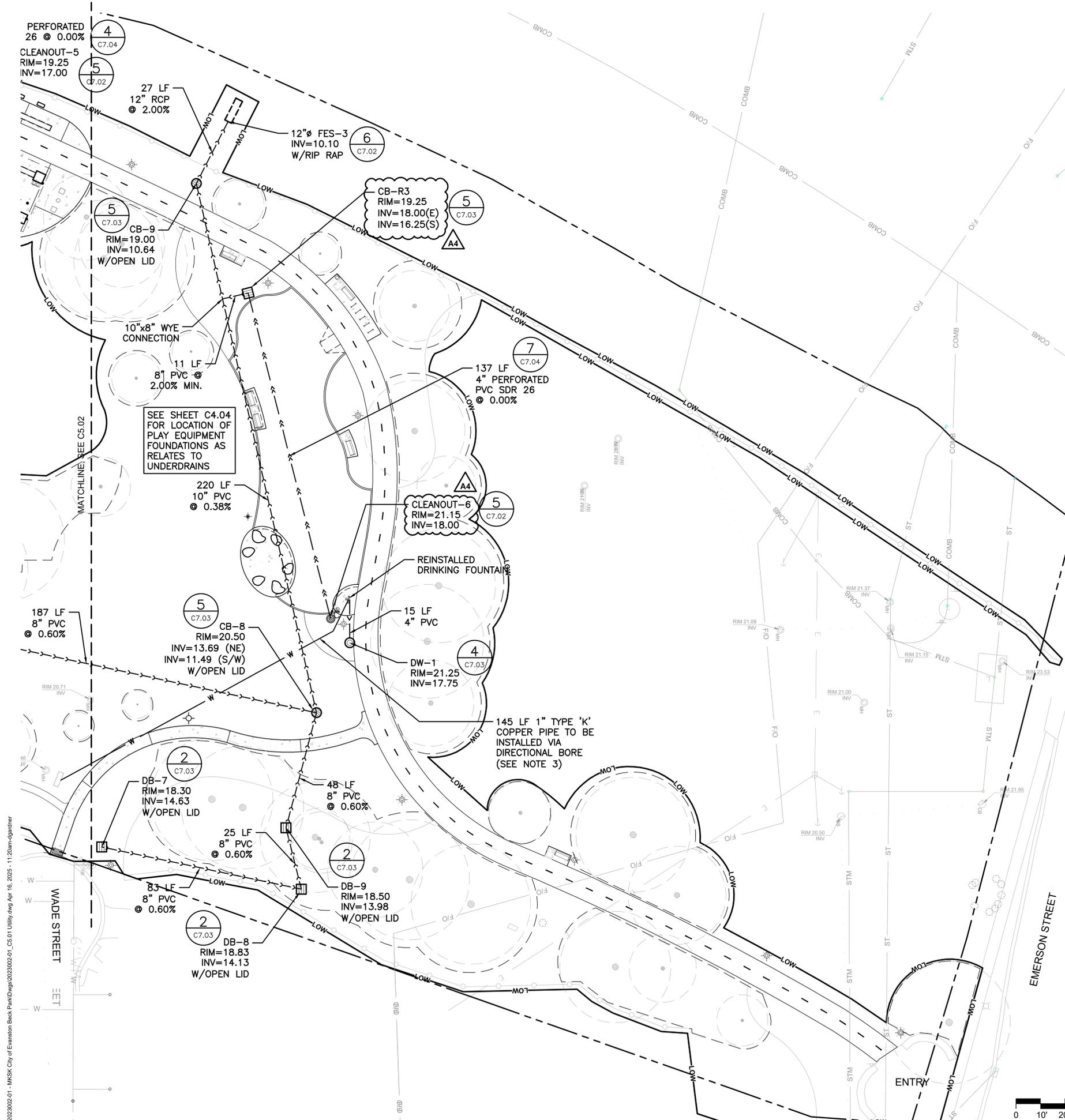
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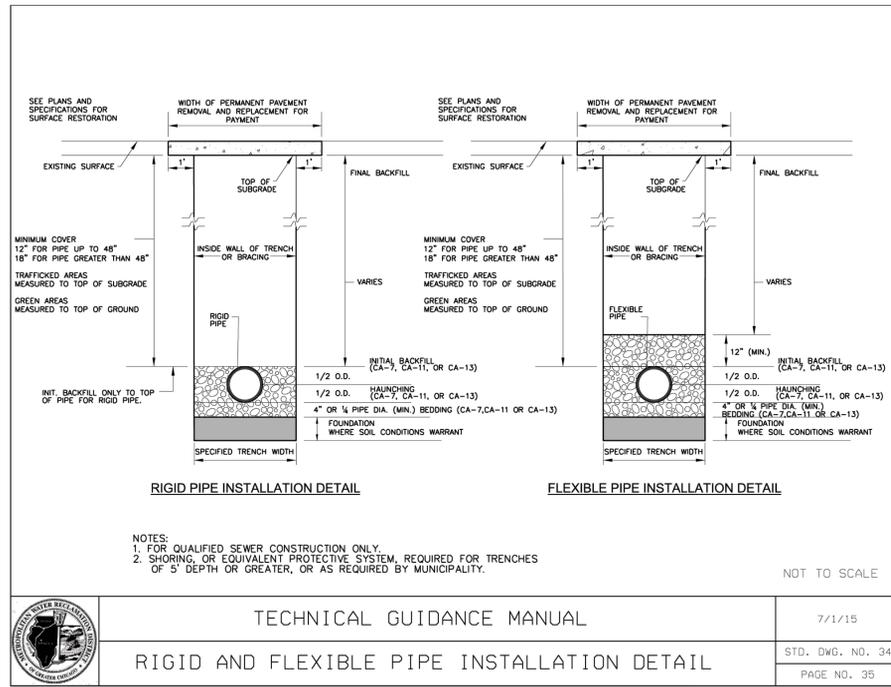
LEGEND: UTILITY

	CATCH BASIN
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	RESTRICTOR CATCH BASIN W/ WEIR WALL
	DRYWELL BASIN
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	LIGHT POLE SEE ELECTRICAL
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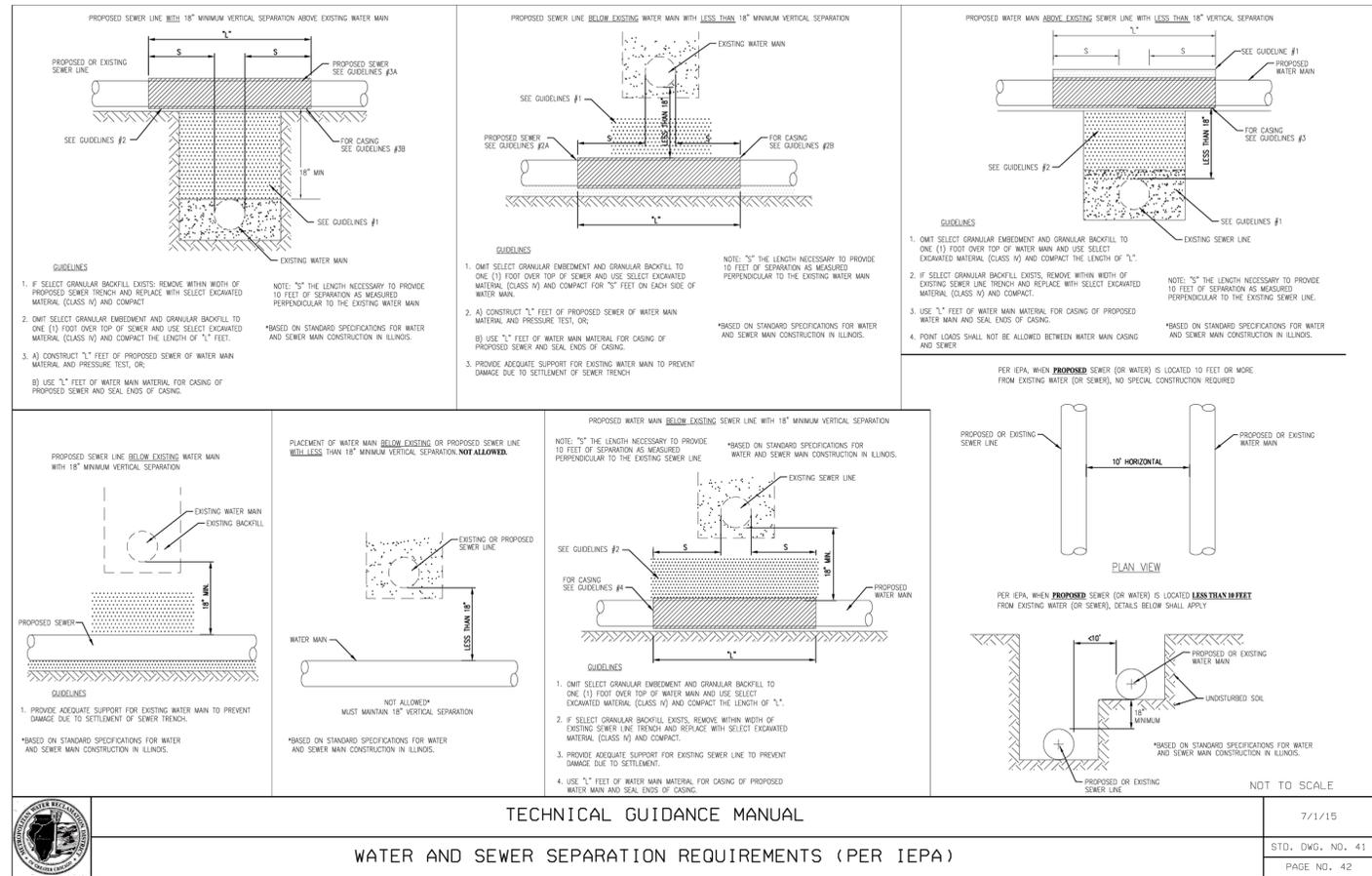
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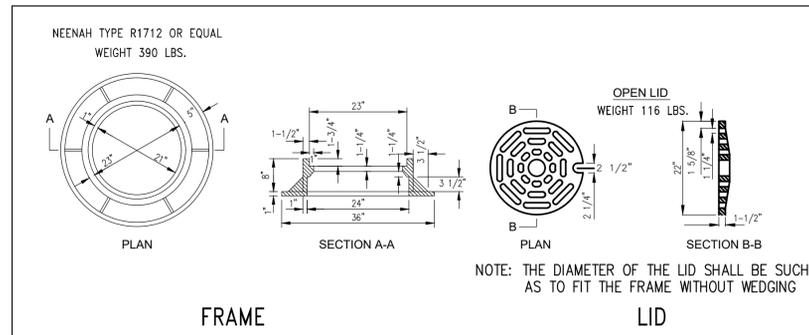




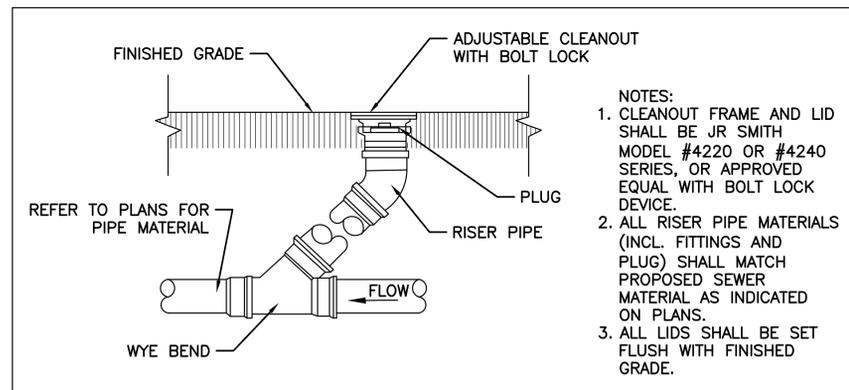
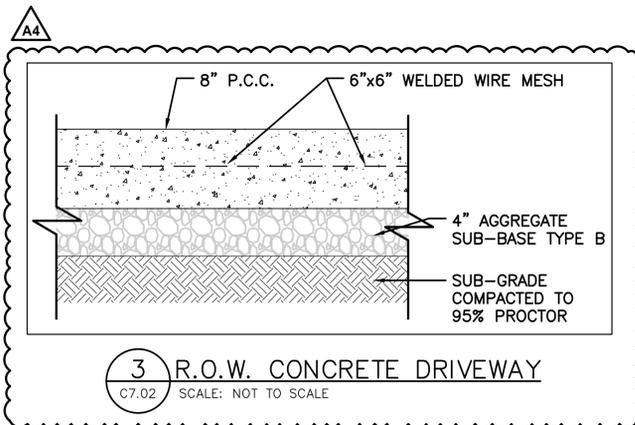
1 PIPE TRENCH DETAILS
SCALE: NOT TO SCALE



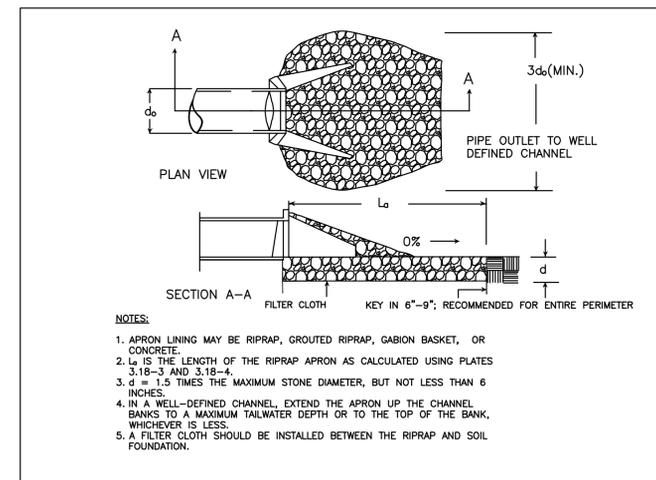
2 WATER AND SEWER PIPE SEPARATION
SCALE: NOT TO SCALE



4 TYPE 1 FRAME AND LID DETAIL
SCALE: NOT TO SCALE



5 TYPICAL CLEANOUT TO FINISH GRADE
SCALE: NOT TO SCALE



6 FLARED END SECTION
SCALE: NOT TO SCALE

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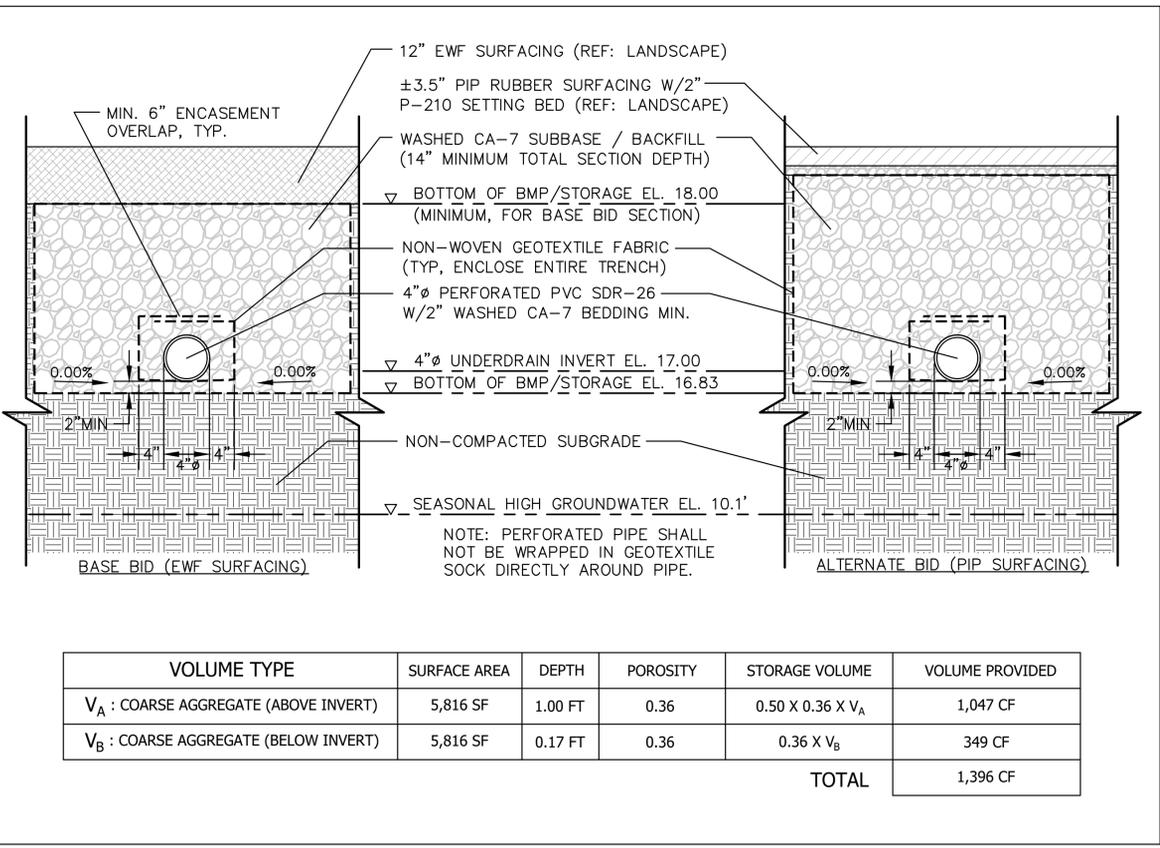
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1	4/12/2024	30% CDs
2	6/21/2024	50% CDs
3	8/2/2024	50% CDs
4	11/22/2024	95% CDs
5	01/24/2025	100% CDs
6	02/21/2025	ISSUED FOR PERMIT
7	03/27/2025	ISSUE FOR BID
8	04/17/2025	ADDENDUM 4

soil

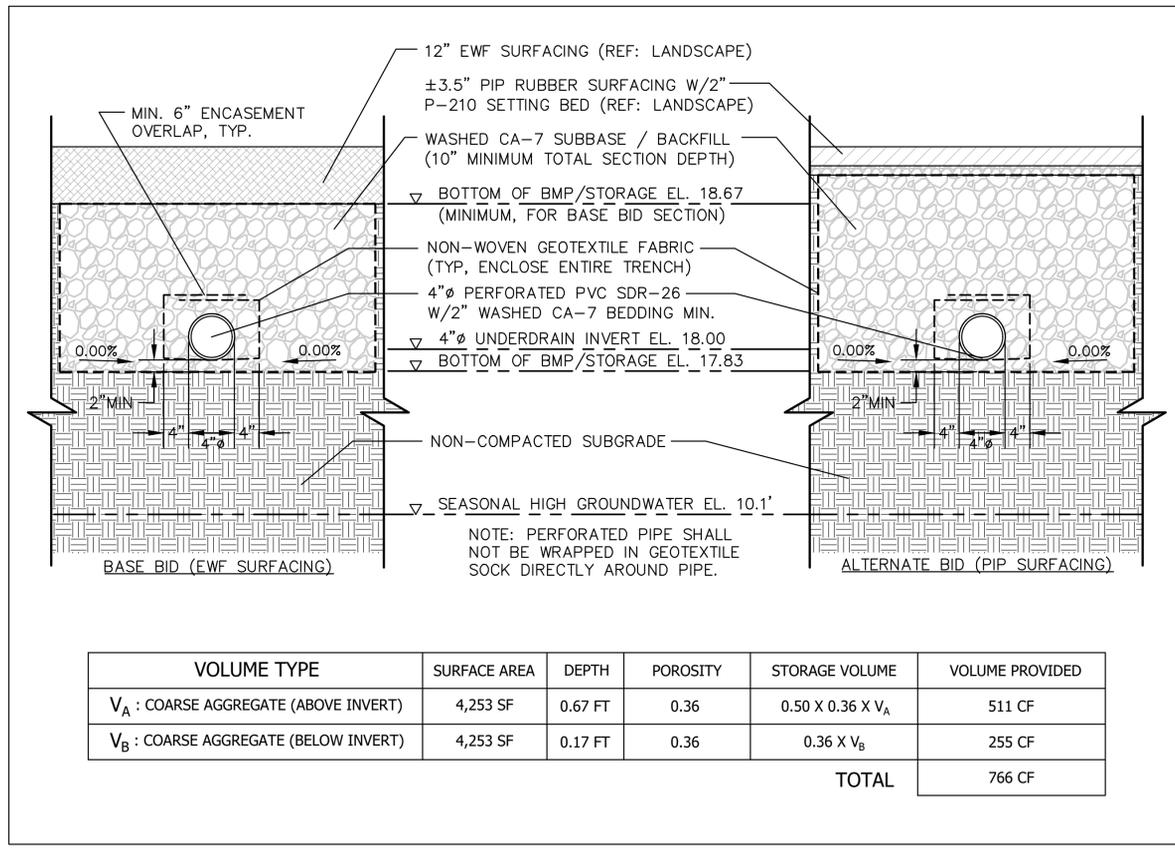
A4

I:\2025002-01 - MKSK City of Evanston Beck Park\Drawings\2025002-01_C7_01_Details.dwg Apr 16, 2025 - 11:23am-dgandner



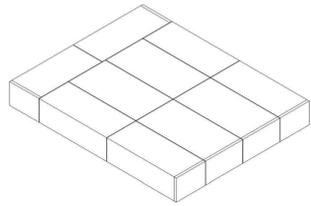
VOLUME TYPE	SURFACE AREA	DEPTH	POROSITY	STORAGE VOLUME	VOLUME PROVIDED
V _A : COARSE AGGREGATE (ABOVE INVERT)	5,816 SF	1.00 FT	0.36	0.50 X 0.36 X V _A	1,047 CF
V _B : COARSE AGGREGATE (BELOW INVERT)	5,816 SF	0.17 FT	0.36	0.36 X V _B	349 CF
TOTAL					1,396 CF

1 PLAYGROUND AREA INFILTRATION TRENCH DETAIL – AREA 2 (SOUTH)
 C7.04 SCALE: NOT TO SCALE



VOLUME TYPE	SURFACE AREA	DEPTH	POROSITY	STORAGE VOLUME	VOLUME PROVIDED
V _A : COARSE AGGREGATE (ABOVE INVERT)	4,253 SF	0.67 FT	0.36	0.50 X 0.36 X V _A	511 CF
V _B : COARSE AGGREGATE (BELOW INVERT)	4,253 SF	0.17 FT	0.36	0.36 X V _B	255 CF
TOTAL					766 CF

2 PLAYGROUND AREA INFILTRATION TRENCH DETAIL – AREA 3 (NORTH)
 C7.04 SCALE: NOT TO SCALE



Beck Park Expansion
Evanston, IL

PAGE	DESCRIPTION
1.0	COVER SHEET
2.0	BACKFILL SPECIFICATION
3.0	PIPE OPENING SPECIFICATION
4.0	PIPE INSTALLATION INSTRUCTIONS
5.0	PIPE ACCESS SPECIFICATION
6.0	SPLASH PAD & GEOWEB DETAILS
7.0	SINGLETRAP MODULE TYPES

STORMTRAP SYSTEM INFORMATION	
STORMTRAP TYPE:	4'-2" SINGLETRAP
STORMTRAP MANUFACTURER:	StormTrap
STORMTRAP MODEL:	ST-42
STORMTRAP PART NUMBER:	ST-42-1000
STORMTRAP WEIGHT:	1000 LBS
STORMTRAP DIMENSIONS:	4'-2" x 4'-2" x 1'-0"
STORMTRAP MATERIAL:	CONCRETE
STORMTRAP FINISH:	SMOOTH
STORMTRAP COLOR:	GRAY
STORMTRAP SURFACE:	SMOOTH
STORMTRAP WEIGHT:	1000 LBS
STORMTRAP DIMENSIONS:	4'-2" x 4'-2" x 1'-0"
STORMTRAP MATERIAL:	CONCRETE
STORMTRAP FINISH:	SMOOTH
STORMTRAP COLOR:	GRAY
STORMTRAP SURFACE:	SMOOTH

GENERAL NOTES:

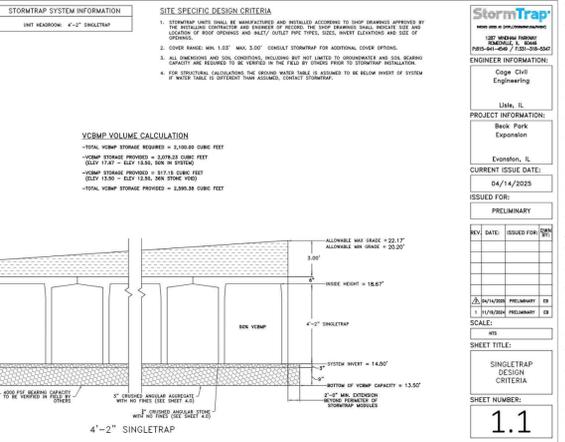
- STRUCTURE SHALL BE CONSTRUCTED TO ACCEPT ANY ADDITIONAL LOADS FROM ANY STRUCTURES NEAR TO OR OVER THE TOP OF THE STORMTRAP. EXAMPLES OF HEAVY STRUCTURES MAY INCLUDE BUT ARE NOT LIMITED TO: SIGNAGE, LIGHT FIXTURES, AIR CONDITIONING, TELEPHONE CABINETS, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY SUPPORT AND BRACING FOR ANY SUCH STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY SUPPORT AND BRACING FOR ANY SUCH STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY SUPPORT AND BRACING FOR ANY SUCH STRUCTURES.
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STRUCTURAL DESIGN LOADING CRITERIA

LOADS: UNIFORM SURFACE LOADS: 100 PSF
WIND: AS PER LOCAL CODES
SEISMIC: AS PER LOCAL CODES

STORMTRAP SYSTEM INFORMATION

STORMTRAP TYPE: 4'-2" SINGLETRAP
STORMTRAP MANUFACTURER: StormTrap
STORMTRAP MODEL: ST-42
STORMTRAP PART NUMBER: ST-42-1000
STORMTRAP WEIGHT: 1000 LBS
STORMTRAP DIMENSIONS: 4'-2" x 4'-2" x 1'-0"



CLIENT / OWNER
City of Evanston, IL
PROJECT NAME
**EVANSTON BECK
PARK EXPANSION**
PROJECT ADDRESS
2525 CHURCH ST.
EVANSTON, IL 60201

CIVIL ENGINEER
David Mason & Associates Inc
333 S Desplaines St, Suite 200
Chicago, IL 60661
p 312.884.5100

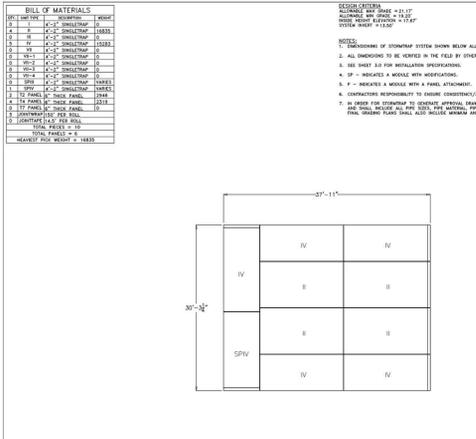
ELECTRICAL ENGINEER
ACGI Innovative Solutions
300 W. Adams Street #420
Chicago, IL 60606
p 312.357.1840

ENVIRONMENTAL ENGINEER
Environmental Consulting Group
105 S. York Street, Suite 250
Evanston, IL 60201
p 847.348.8302

GEOTECHNICAL ENGINEER
GSG
735 Remington Road
Schmaling, IL 60173
p 830.994.2600

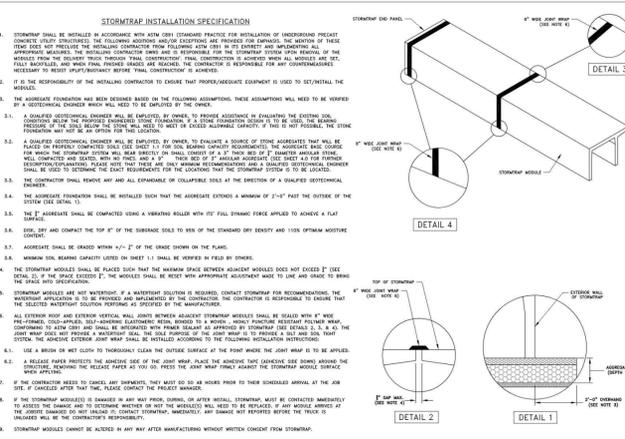
ARBORIST
Hendrickson Tree Care
2131 S. Foster Avenue
Wheeling, Illinois 60090
p 847.348.8302

COMMUNITY ENGAGEMENT
All Together
p 630.607.0060



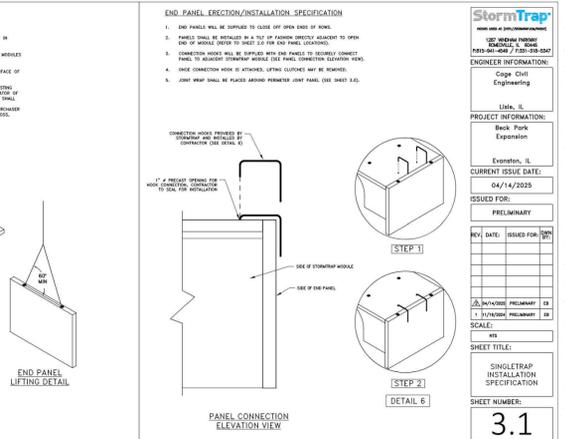
STORMTRAP INSTALLATION SPECIFICATION

- STORMTRAP SHALL BE INSTALLED IN ACCORDANCE WITH ALL OTHER STANDARD PRACTICES FOR INSTALLATION OF UNDERGROUND PRECAST CONCRETE STRUCTURES. THE FOLLOWING ADDITIONAL SPECIFICATIONS ARE PROVIDED FOR GUIDANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY SUPPORT AND BRACING FOR ANY SUCH STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY SUPPORT AND BRACING FOR ANY SUCH STRUCTURES.
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PIPE OPENING SPECIFICATION

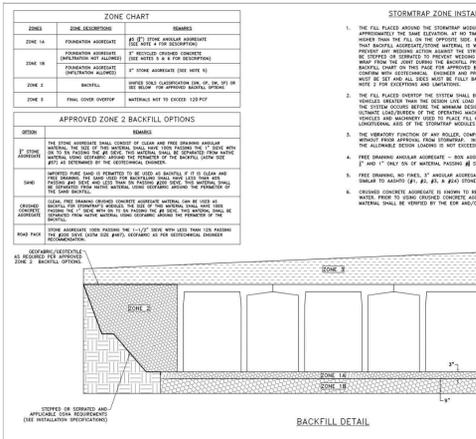
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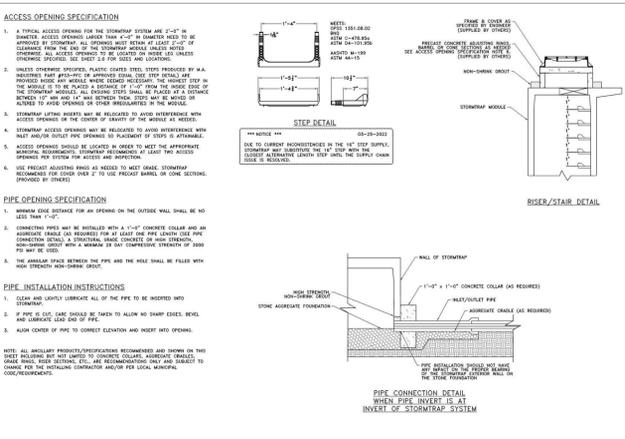
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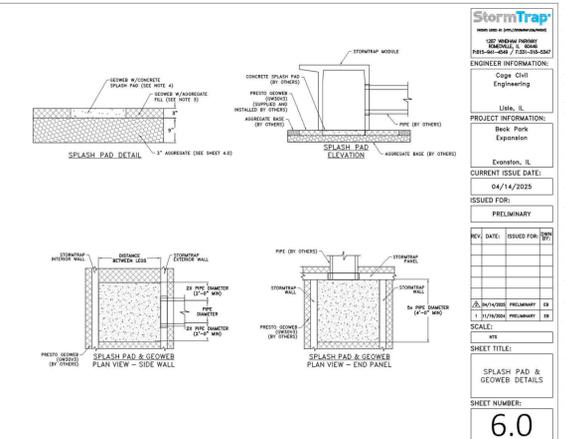


STORMTRAP BACKFILL SPECIFICATION

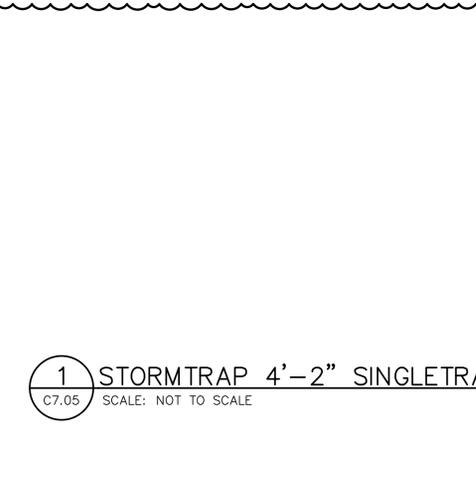


SPLASH PAD & GEOWEB INSTALLATION SPECIFICATION

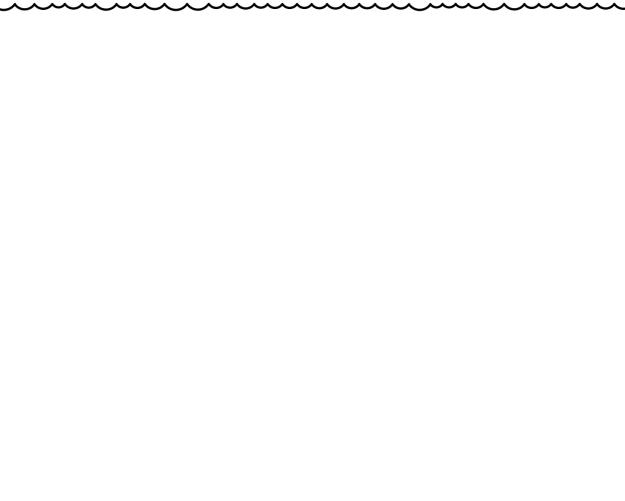
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STORMTRAP MODULE TYPES

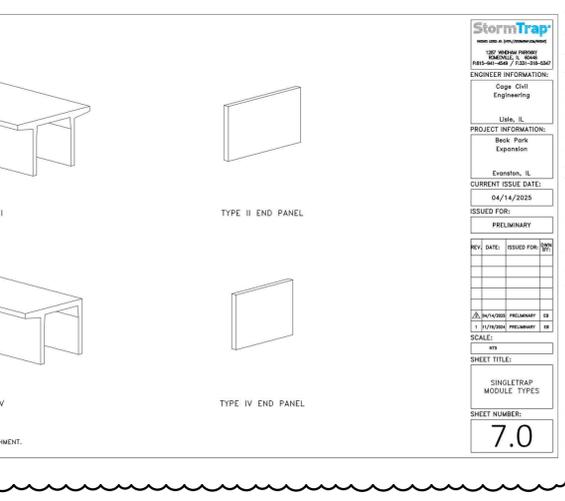


STORMTRAP BACKFILL SPECIFICATION



SPLASH PAD & GEOWEB INSTALLATION SPECIFICATION

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SECTION 01 27 00 - UNIT PRICES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes administrative and procedural requirements for unit prices.

1.03 DEFINITIONS

- A. Unit price is a price per unit of measurement for materials or services provided in the Contract. The unit prices shall be added to or deducted from the Contract Sum by appropriate modification, if estimated quantities of Work required by the Contract Documents are increased or decreased.

1.04 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, bonding, overhead, and profit.
- B. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- C. List of Unit Prices: A list of unit prices is included at the end of this Section. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 LIST OF UNIT PRICES

1. Unit Price No. 1 – Chain-link Replacement
 - a. Description: Unit price for the replacement of existing Chain-link Fence, including mesh fabric, posts and concrete footings, and rails.
 - b. Unit of Measurement: Linear Foot
 - c. Refer to Landscape sheets L5.00 – L5.02 and detail 7 /L6.03
2. Unit Price No. 2 – Perform Entry Wall Signage Repairs – Brick Replacement
 - a. Description: Replacement of defective masonry and brick units with bricks of matching color and texture.
 - b. Unit of Measurement: Each
3. Unit Price No. 3 – Perform Tree Pruning

- a. Description: Prune low, hanging branches and vines from existing trees and shrubs that overhang walks, streets and drives, parking areas, proposed structures or features.
- b. Unit of Measurement: Each
- c. Refer to 01 56 39 Tree and Plant Protection
4. Unit Price No. 4 - Perform Root Pruning
 - a. Description: Tree Root Pruning at locations adjacent to construction activity.
 - b. Unit of Measurement: Linear Foot
 - c. Refer to 01 56 39 Tree and Plant Protection
5. Unit Price No. 5 – Perform Unsuitable Soil Removable and Title D Landfill Disposal.
 - a. Description: Removal and Disposal of unsuitable soils.
 - b. Unit of Measurement: Cubic Yards as measured in situ (as measured/quantified prior to excavation)
 - c. Refer sheet C2.01
6. Unit Price No. 6 - Asphalt Base Repair
 - a. Description: This item shall include all costs associated with asphalt base repair to a depth matching the existing asphalt thickness – assumed at approximately 4 inches.
 - b. Unit of Measurement: Square Feet
7. Unit Price No. 7 – Asphalt Crack Repair
 - a. Description: This item shall include all costs associated with asphalt crack repair in accordance with IDOT Standard Specification 406 and 444.
 - b. Unit of Measurement: Linear Foot

END OF SECTION 01 27 00

SECTION 11 68 00 – PLAYGROUND EQUIPMENT AND STRUCTURES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. All playground equipment as noted per the Project's "Playground Equipment" Legends and Drawings apply.

1.02 SUMMARY

- A. Section includes playground equipment as follows:
 - 1. Beck Park Playground Equipment

1.03 DEFINITIONS

- A. Definitions in ASTM F1487 apply to Work of this Section.
- B. IPEMA: International Play Equipment Manufacturers Association.

1.04 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site

~~1.05 EQUIPMENT PRE-PURCHASE~~

- ~~A. The City is separately purchasing play equipment from Landscape Structures – purchase of this equipment should NOT be included in the contractor's bid price. Refer to Section 2.03B for list of equipment purchased by City.~~
- ~~B. Once the bid is awarded and the construction contract is executed, responsibility for the purchase will be assigned to the contractor who will then fully manage all aspects of the procurement from that time forward including arranging for delivery, verification of equipment received, storage on or off site of equipment, installation of equipment, post installation manufacturer inspection for ASTM compliance, etc. Direct payment to Landscape Structures for the equipment will be made by the City once the contractor verifies all materials are received and undamaged.~~

1.06 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Delegated-Design Submittal: For all Project specific "Fabricated" Structures including foundations and all associated materials and components. Submittal to include, shop drawings and analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
- C. Shop Drawings: For each type of playground equipment.
 - 1. Include plans, elevations, sections, and attachment details.
 - a. Manufacturer approved drawings may be submitted when complete systems are provided by specified manufacturer.
 - 2. Include fall heights and use zones for playground equipment, coordinated with the critical-height values of protective surfacing specified in Sections 32 18 00 "Playground Surface System" and 32 18 16 "Rubberized Play Surface" system.
- D. Samples for Initial Selection: For each type of exposed finish.
 - 1. Manufacturer's color charts.

2. Include Samples of accessories involving color selection.
- E. Samples for Verification: For each type of exposed finish on the following products:
 1. Include Samples of accessories to verify color and finish selection.
 2. Posts and Rails: Minimum 6 inches long.
 3. Platforms: Minimum 6 inches square.
 4. Molded Plastic: Minimum 3 inches square.

1.07 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For manufacturer and testing agency.
- B. Product Certificates: For each type of playground equipment.
- C. Material Certificates: For the following items:
 1. Shop finishes.
 2. Wood-Preservative Treatment: Include certification by treating plant that states type of preservative solution and pressure process used, net amount of preservative retained, and compliance with applicable standards.
- D. Field quality-control reports.
- E. Provide written inspection reports from Certified Inspectors.
- F. Sample Warranty: For manufacturer's special warranties.

1.08 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For playground equipment and finishes to include in maintenance manuals.

1.09 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A firm whose playground equipment components have been certified by IPEMA's third-party product certification service.
- B. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

1.10 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of playground equipment that fail in materials or workmanship per the Manufacturer's written warranty period.
 1. Failures include, but are not limited to, the following:
 - a. Structural failures.
 - b. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.
 2. Warranty Period: Begins from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

- A. Safety Standard: Provide playground equipment according to ASTM F1487.

2.02 MANUFACTURERS

- A. Source Limitations: Obtain playground equipment from single source from single manufacturer.
- B. Playground equipment and components shall have the IPEMA Certification Seal.

2.03 MANUFACTURERES

- A. Source Limitations: Obtain each type of play equipment from single source with resources to provide materials and products of consistent quality in appearance and physical properties.

B. Products:

- 1. Burke Playground Group (Supplied by Play Illinois)

Westmont, IL 60559

(844)222-9990

info@playil.com

- a. PG7 – Zip Line

- 1) Equipment List

- a) Zipventure 75 Foot (550-0206)

- 2. Landscape Structures (Supplied by NuToys Leisure Products) Playbooster Component System

PO Box 7075

Westchester, IL 60154

(800) 526-6197

- a. PG1 – 2-5 year play structure:

- 1) Equipment List:

<u>QTY.</u>	<u>NO.</u>	<u>DESCRIPTION</u>
		2-5 Year Olds Play Equipment
1	120325A	Ramp Berm Exit Plate Concrete Wall
2	156233A	Ramp w/Barriers
1	175572A	Log Stepper 16" Deck w/1 Recycled Wood-Grain Handhold
1	175179A	Mushroom Stepper 16"Deck w/1 Recycled Wood-Grain Handhold DB Only Right Handhold
1	175180B	Mushroom Stepper 24"Deck w/1 Recycled Wood-Grain Handhold 1 Handloop DB Only Right Handhold
1	169318D	Wood Plank Wiggle Ladder 56"Deck w/Recycled Wood-Grain Handholds DB
1	CP041976	40" DK DOUBLE NOODLE POD CLIMBER W/HAND RAIL AND LOOP DB Permalene hand holds. Hand rail and loop. Includes 2 noodle posts with pods at 32, 24, 16, 8"
1	CP041969	84" OC/16" DK DIFFERENCE GRID WALK WITH PROSHIELD BARRIERS Above Deck ProShield® Barriers

2	CP042014	ASYMMETRIC 42" OC ROOF WITH BROWN RP BOARDS Above Deck Requires 4 standard roof posts. Brown 002 recycled poly boards, no woodgrain texture.
2	CP004139	RPL TREEHOUSE SINGLE HANDHOLD Mink & Cedar boards
1	CP002825	RPL WOOD-GRAIN LUMBER PANEL W/2 STEERING WHEELS Above Deck
7	CP042015	SHORT SINGLE CURVED TUBE POST TOPPER Custom Curve to match radius of standard noodle posts. Requires roof post for at least a 24i shorter deck, not included.
2	122197A	90* Triangular Tenderdeck
3	121948A	Kick Plate 8"Rise
2	111230A	Square Deck Corner
4	111229A	Square Deck Extension
5	111228A	Square Tenderdeck
1	121949A	Tri-Deck Kick Plate 8"Rise
2	191031A	Accessible Panel Curb
2	217909A	DigiFuse Barrier Panel Above Deck Custom Art- work/Requires CP – 000000054
1	345280A	Driver Panel Above Deck
1	345273B	Handhold Panel
2	345273A	Handhold Panel Set
1	116244A	Pipe Barrier Above Deck
2	169319A	Recycled Wood-Grain Lumber Panel
1	345297A	Ring-a-Bell Reach Panel Above Deck
1	345276A	Storefront Panel
1	345299A	Trail Tracker Reach Panel Above Deck
1	120901A	Grab Bar
5	111404G	100"Alum Post DB
2	111404F	108"Alum Post DB
7	111403J	110"Alum Post For Roof DB
4	111403E	150"Alum Post For Roof DB
4	111403D	158"Alum Post For Roof DB
1	111405H	50"Alum Flush Post w/Standard Cap DB
1	111405G	58"Alum Flush Post w/Standard Cap DB
2	111404I	84"Alum Post DB
3	111404H	92"Alum Post DB
1	124863B	SlideWinder2 40"Dk DB 1 Left
1	122033C	SpyroSlide 56"Dk DB
1	120710A	Pod Climber 8" DB
1	200677A	Wee Planet Climber DB
2	CP008983	UPCHARGE FOR CUSTOM DIGIFUSE® PANEL ART (NO APPROVAL REQ'D) for (1) DigiFuse® ready standard panel (Bubble, PB/PS Barrier, Peri- scope, Hole, Arch sign), *Panel Only*

1	355992A	Symbol Communication Sign English-English w/2 Post DB
1	247189A	Welcome Sign (LSI Provided) Ages 2-5 years DB

b. PG2 & PG5– 2-5 Year & 5-12 Year Swings

1) Equipment List:		
QTY.	NO.	DESCRIPTION
		New 6-Place Single Post Swing Set 3 Belt Seats, 2 Full Bucket Seats and 1 ADA
3	174018A	Belt Seat Proguard Chains 8' Beam
2	176038A	Full Bucket Seat Proguard Chains 8' Beam
1	177351A	Molded Bucket Seat (5-12 yrs) w/Harness Proguard Chains 8' Beam
1	177332A	Single Post Swing Frame 8' Beam
2	177333A	Single Post Swing Frame Addtl Bay 8' Beam

c. PG3 – 2-5 Year Spinner

1) Equipment List:		
1	247189A	Chill Spinner DB

d. PG4 – 5-12 Year Play Structure

1) Equipment List		
1	172666A	Corkscrew Climber w/Recycled Wood-Grain Handholds 48"Dk DB
1	169320B	Log Stepper 48" Deck w/2 Recycled Wood-Grain Handholds 1 Handloop DB Only Right Handhold
1	172665A	Loop Pole w/Recycled Wood-Grain Handholds 48"Dk DB
1	CP005435	10' PLAYODYSSEY® TREEHOUSE TOWER WITH OUTER ROOF POSTS DB Includes PlayOdyssey tower modified to include outer roof posts, capped interior ladder deck posts for 120i deck, and offset Recycled Poly Ladder accents between 48i and 120i decks.
1	CP041977	48" DK CORNSTALK CLIMBER W/RPL HANDHOLDS DB Cedar and Mink RPL
1	CP042013	ASYMMETRIC PLAYODYSSEY® ROOF WITH BROWN RP BOARDS Above Deck Includes post extensions. Brown 002 recycled poly boards, no woodgrain texture. To be used with CP005435.
1	CP000337A	DTR PB Recycled Wood-Grain Barrier w/Telescope
1	152911C	Curved Transfer Module Left 48"Dk DB
1	217909A	DigiFuse Barrier Panel Above Deck Custom Art-work/Requires CP - 000000054
5	169319A	Recycled Wood-Grain Lumber Panel

QTY.	NO.	DESCRIPTION
1	115242A	Slant Entrance Panel DB
1	173565A	Xylofun Panel Above Deck
1	185346A	10' Tower SlideWinder2
1	185338A	10' Tower TurboTwister
1	201545A	Blender Spinner DB
1	166809A	E-Pod Seat
2	111404O	132"Steel Post DB 42" BURY
1	169317A	Firepole w/Recycled Wood-Grain Handholds 48"Dk DB
2	CP000197A	DTR IND Farmstead Cornstalk Climber
1	CP008984	UPCHARGE CUSTOM DIGIFUSE® PANEL ART (APPROVAL REQ'D) for (1) DigiFuse® ready standard panel (Bubble, PB/PS Barrier, Periscope, Hole, Arch sign), *Panel Only*
1	182503C	Welcome Sign (LSI Provided) Ages 5-12 years DB
1	298208A	Symbol Communication Sign w/2 Posts DB
e. PG6 – 13+ Overhead Bars		
1) Equipment List:		
1	243907A	Angled Overhead Ladder (13+) DB
f. PG7 – 13+ Angled Balance Beam		
1) Equipment List		
1	243908A	Angled Balance Beam Triple (13+) DB
g. PG10 – 13+ Communication Sign		
1) Equipment List		
1	355992A	Symbol Communication Sign English-English w/2 Post DB
h. PG11 – Ind. Cyclor		
1) Equipment List		
1	158107A	Cyclor DB Only

2.04 MATERIALS

- A. General: All materials to comply with and perform at or above manufacturer's specifications or engineer's delegated design specifications.
- B. Aluminum: Material, alloy, and temper recommended by manufacturer for type of use and finish indicated.

- C. Steel: Material types, alloys, and forms recommended by manufacturer for type of use and finish indicated.
- D. Stainless-Steel Sheet: Type 304; finished on exposed faces with No. 2B finish unless noted.
- E. Wood: Surfaced smooth on all sides and all edges rounded. See plans for species.
- F. Opaque Plastics: Color impregnated, UV stabilized, and mold resistant.
- G. Hardware: Manufacturer's standard; commercial-quality; corrosion-resistant; hot-dip galvanized steel and iron, stainless steel, or aluminum; of a vandal-resistant design.
- H. Fasteners: Manufacturer's standard; corrosion-resistant; hot-dip galvanized or zinc-plated steel and iron, or stainless steel; permanently capped; and theft resistant.

2.05 WOOD-PRESERVATIVE-TREATED MATERIALS

- A. Preservative Treatment: Pressure-treat wood products according to AWWA U1 and the following:
 - 1. Use preservative chemicals acceptable to authorities having jurisdiction and containing no arsenic or chromium. Use chemical formulations that do not bleed through or otherwise adversely affect finishes. Do not use colorants to distinguish treated materials from untreated materials.
 - 2. Kiln-dry lumber and plywood after treatment to a maximum moisture content, respectively, of 19 and 15 percent. Do not use materials that are warped or do not comply with requirements for untreated materials.

2.06 CAST-IN-PLACE CONCRETE

- A. Concrete Materials and Properties: Comply with requirements in Section 03 30 00.13 - Cast-in-Place Concrete "Site" for Type A - Normal-weight concrete with minimum 28-day compressive strength of 3500 psi.

2.07 ALUMINUM FINISHES

- A. Baked-Enamel or Powder-Coat Finish: Minimum dry film thickness of 1.5 mils, medium gloss. Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.

2.08 IRON AND STEEL FINISHES

- A. Baked-Enamel or Powder-Coat Finish: After cleaning and pretreating, apply manufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat to a minimum dry film thickness of 2 mils. Comply with coating manufacturer's written instructions for pretreatment, applying, and baking.

2.09 STAINLESS-STEEL FINISHES

- A. Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.
- B. Bright, Cold-Rolled, Unpolished Finish: No. 2B.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for earthwork, subgrade elevations, surface and subgrade drainage, and other conditions affecting performance of the Work.

1. Do not begin installation before final grading required for placing playground equipment and protective surfacing is completed.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Comply with Delegated Design “Engineered Approved Stamped Drawings” for delegated design equipment.
- B. Comply with manufacturer's written installation instructions for each equipment type unless more stringent requirements are indicated. Anchor playground equipment securely, positioned at locations and elevations indicated.
 1. **Maximum Equipment Height:** Coordinate installed fall heights of equipment with finished elevations and critical-height values of protective surfacing. Set equipment so fall heights and elevation requirements for age group use and accessibility are within required limits. Verify that playground equipment elevations comply with requirements for each type and component of equipment.

3.03 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
- B. Perform the following tests and inspections with the assistance of a factory-authorized service representative.
 1. Perform inspection and testing for each type of installed playground equipment according to ASTM F1487.
- C. Playground equipment items will be considered defective if they do not pass tests and inspections.
- D. Prepare test and inspection reports.
- E. Notify Landscape Architect and Owner 48 hours in advance of date(s) and time(s) of testing and inspection.
- F. Provide Owner and Landscape Architect with inspection and testing reports approving installation meets or exceeds ASTM and Manufacturer's requirements.
 1. Playground will not be permitted to operate until testing and inspection approval reports are in the Owner's possession.

END OF SECTION 11 68 00