MP&R
MOON PARKS & RECREATION

Moon Parks & Recreation

1350 Joe DeNardo Way (Ewing Road)
Moon Township, Allegheny County, PA

MOORE DESIGN associates

www.mooredesignassociates.com
130 Heaven Lane | Mars, PA 16046 | 724.898.2082

Project Name

Moon Park – Sun Bowl

Drawing Name

Conceptual Landscape Plan

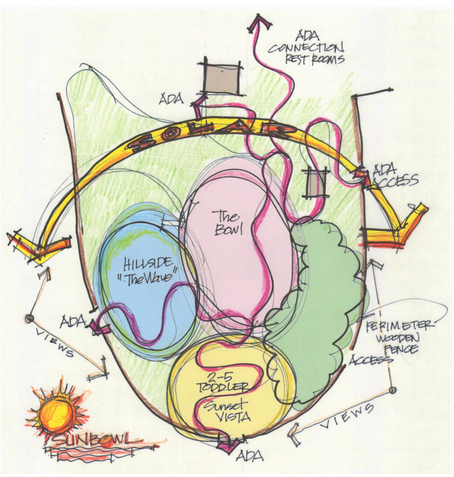
Date

November 24, 2014

Drawing No.

CLP

Existing base mapping – topography + aerial



Sun Bowl Concept Diagram

Existing Conditions

Conceptual Grading

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Moon Park – Sun Bowl

Drawing Name
Existing Base Plan Information

Date
November 24, 2014

Drawing No.
EB

ADA accessible ramps 5% slope connecting lower restrooms to the Sun Bowl Play Area and Saturn Pavilion / parking area

Rain garden capturing storm water. Interpretive signage.

The Bowl play area: 5 -12 zone. Drinking fountain, benches and rain garden

Green Wave hillside challenge with earth sculpted mounding for play and fireworks viewing

The Bowl play area; 5-12 zone

Moving Tunnels and Swing, benches or hillside overlook

Existing walnut tree to remain

Wooden fence creates Sun Bowl area edge / boundary and provides gateway / signage opportunities

Existing hillside grove – area for informal community festivals, picnic tables, benches under the tree canopy

Sun Bowl Vista Picnic Area

Sunset Vista: 2-5 Toddler Area – Playground surfacing, sand area and grass area

ADA accessible Sun Bowl circulation – connecting Saturn & Apollo pavilions, restrooms, parking and Sun Bowl Destinations. ADA Access through Sun Bowl gateways

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Drawing Name
Conceptual Landscape Plan

Date
November 24, 2014

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CLP

ADA accessible circulation

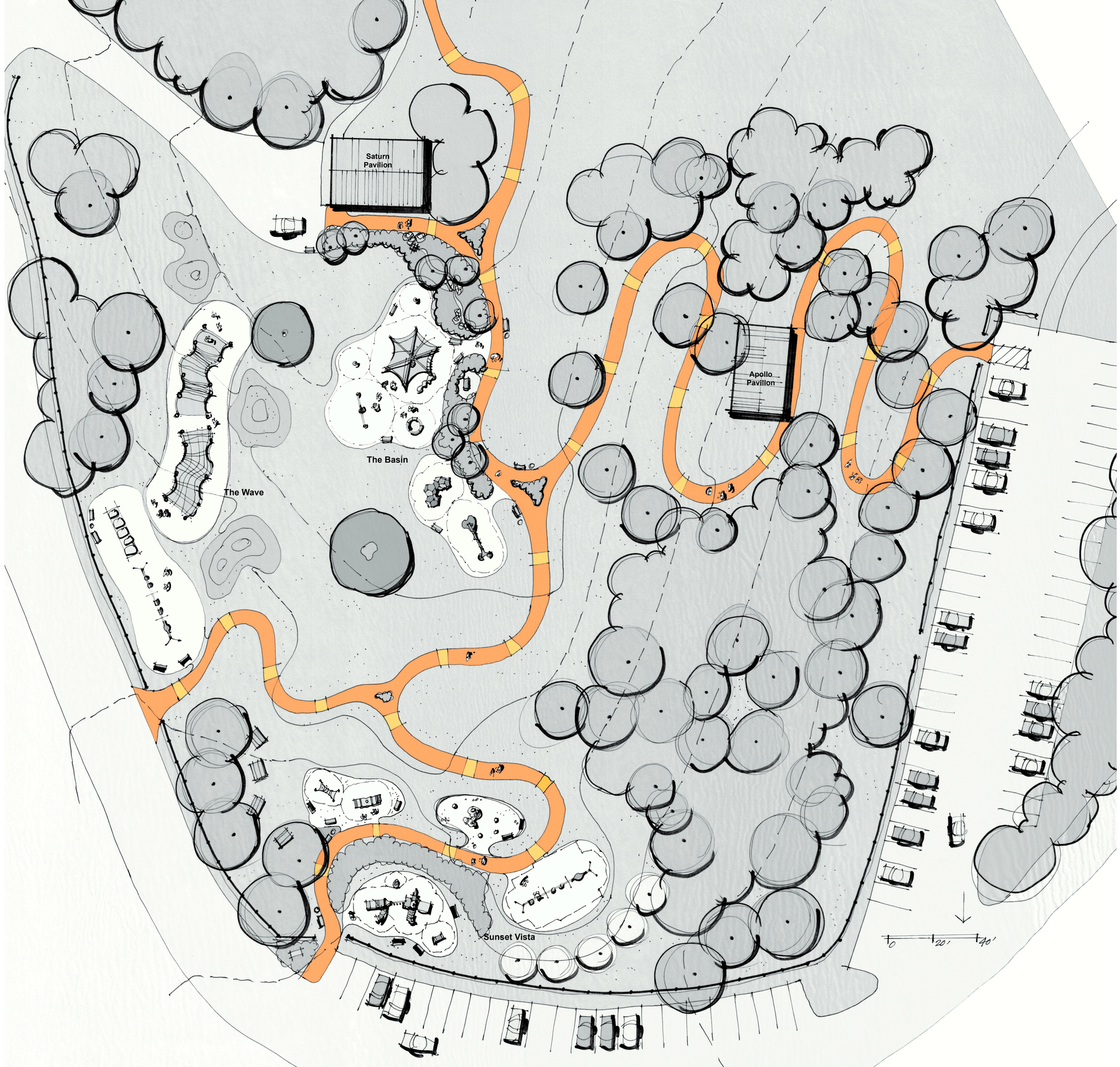
Connecting:
Lower restroom to:

- Saturn Pavilion
- Apollo Pavilion
- Parking
- Sun Bowl Destinations
  - The Basin
  - The Wave
  - Sunset Vista
- Picnic Areas and Seating

Access:
Gateways and access through the wooden perimeter fence that creates The Sun Bowl edge – defining the overall Sun Bowl Destination. Creates safe access and enhances the sense of place.

Destinations located along circulation. Path can be painted with markers for recreation / fitness trail.

Earth sculpting and mounds create informal play climbers / challenges and provide fireworks viewing areas. Earth mounds utilized to balance earthwork operations.



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Moon Park – Sun Bowl

Drawing Name

ADA Circulation
Sun Bowl Path

Date

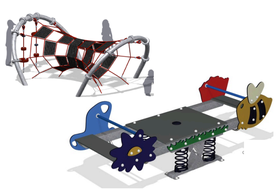
November 24, 2014

Drawing No.

AC

Home / Rescue
Ambulance
Scrambler

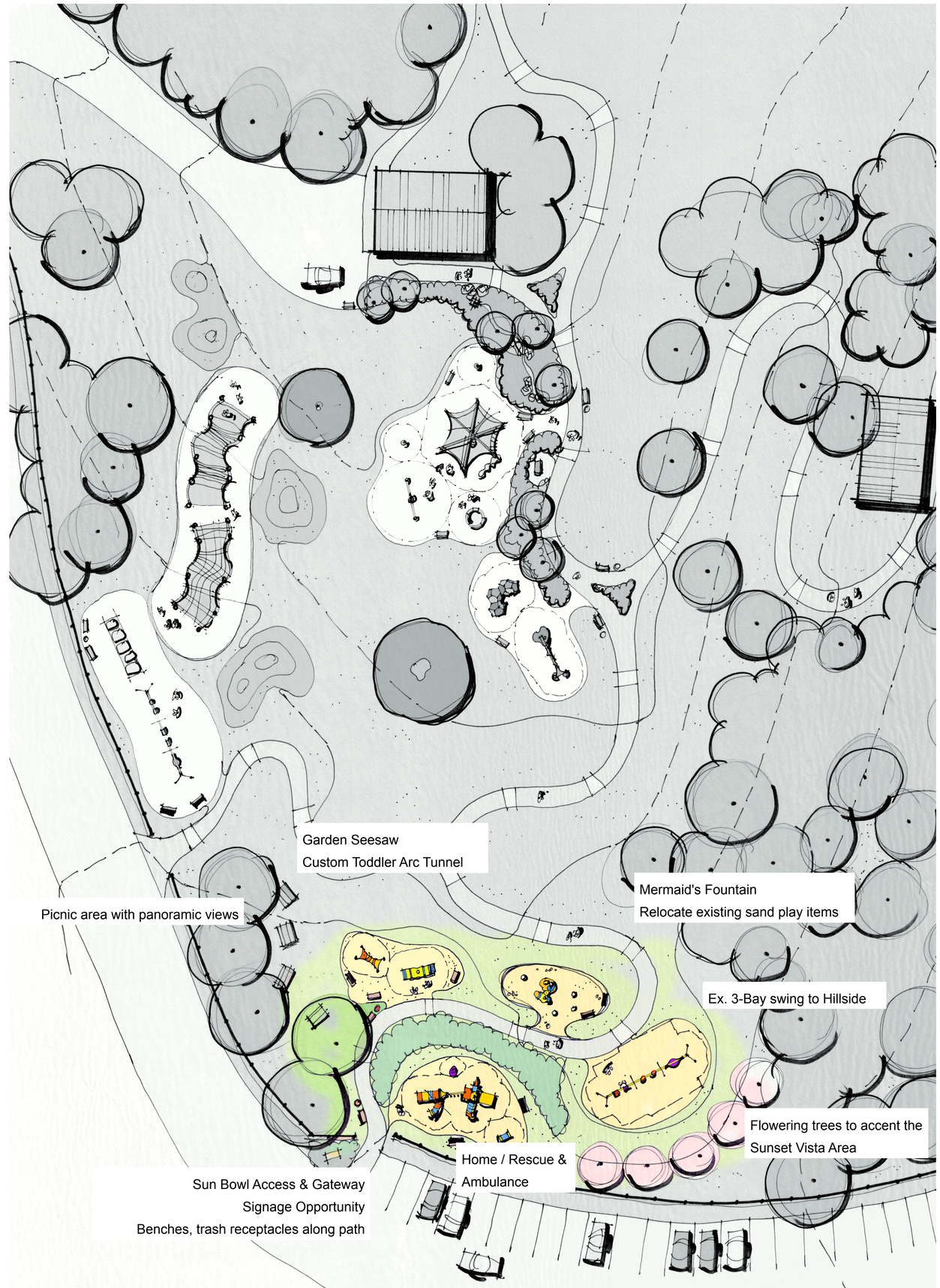
3-Bay swing with ADA & basket



Garden Seesaw
Custom Toddler Arc Tunnel

Relocate existing sand play items

Mermaid's Fountain



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Project Name

Moon Park – Sun Bowl

Drawing Name

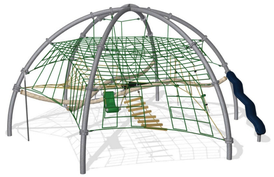
Sunset Vista
2-5 Toddler Area

Date

November 24, 2014

Drawing No.

SV

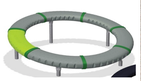


COR Explorer Dome

Spica

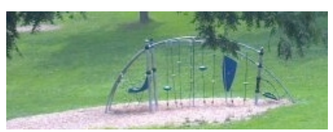
Existing Vega

Saturn Carousel

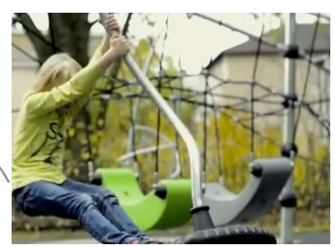


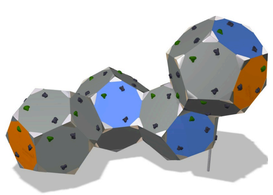
Existing Supernova

Existing Enif

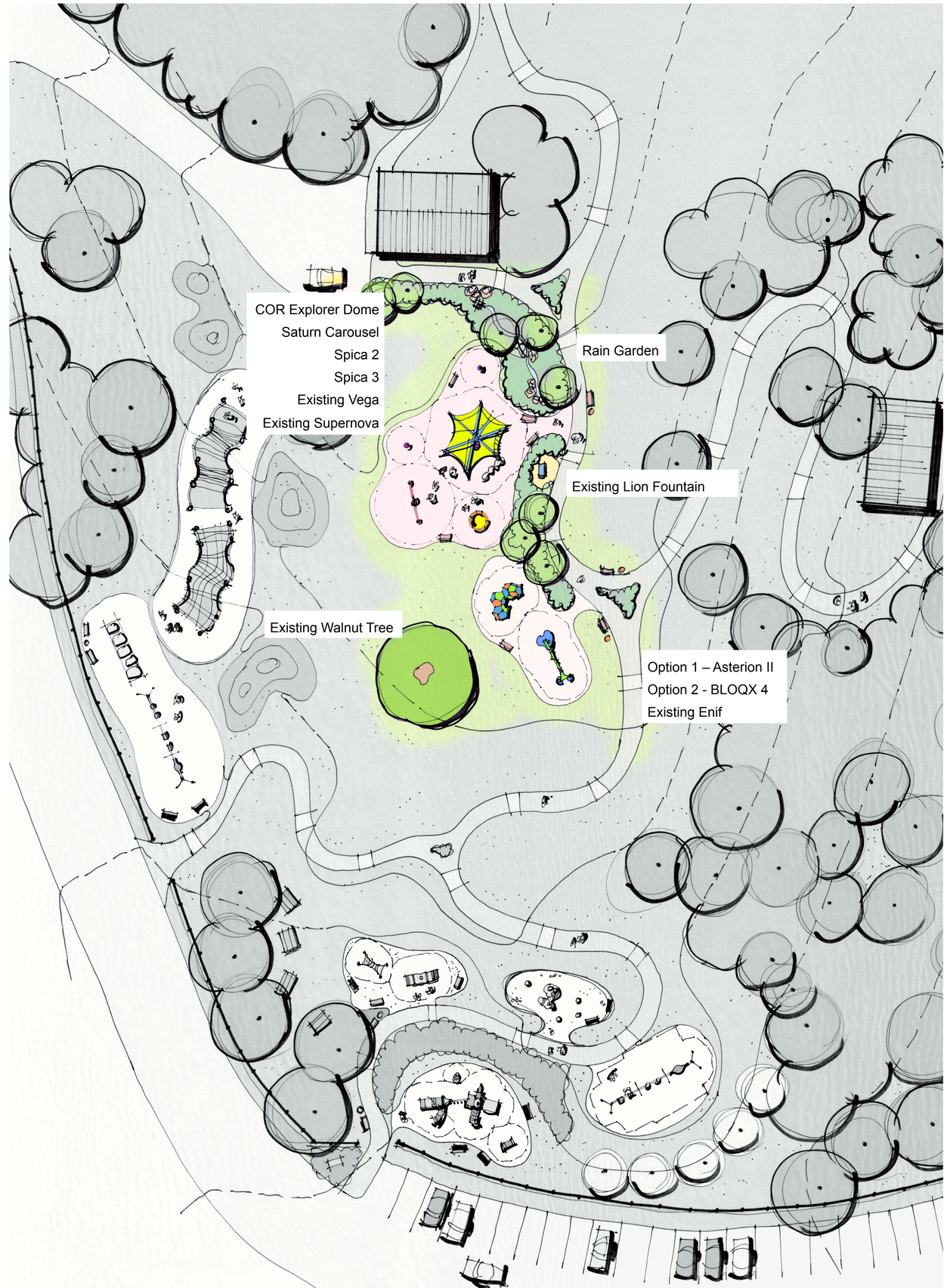


Option 1 - Asterion II





Option 2 – BLOQX 4



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Project Name
Moon Park – Sun Bowl

Drawing Name
The Basin
5-12 Area

Date
November 24, 2014

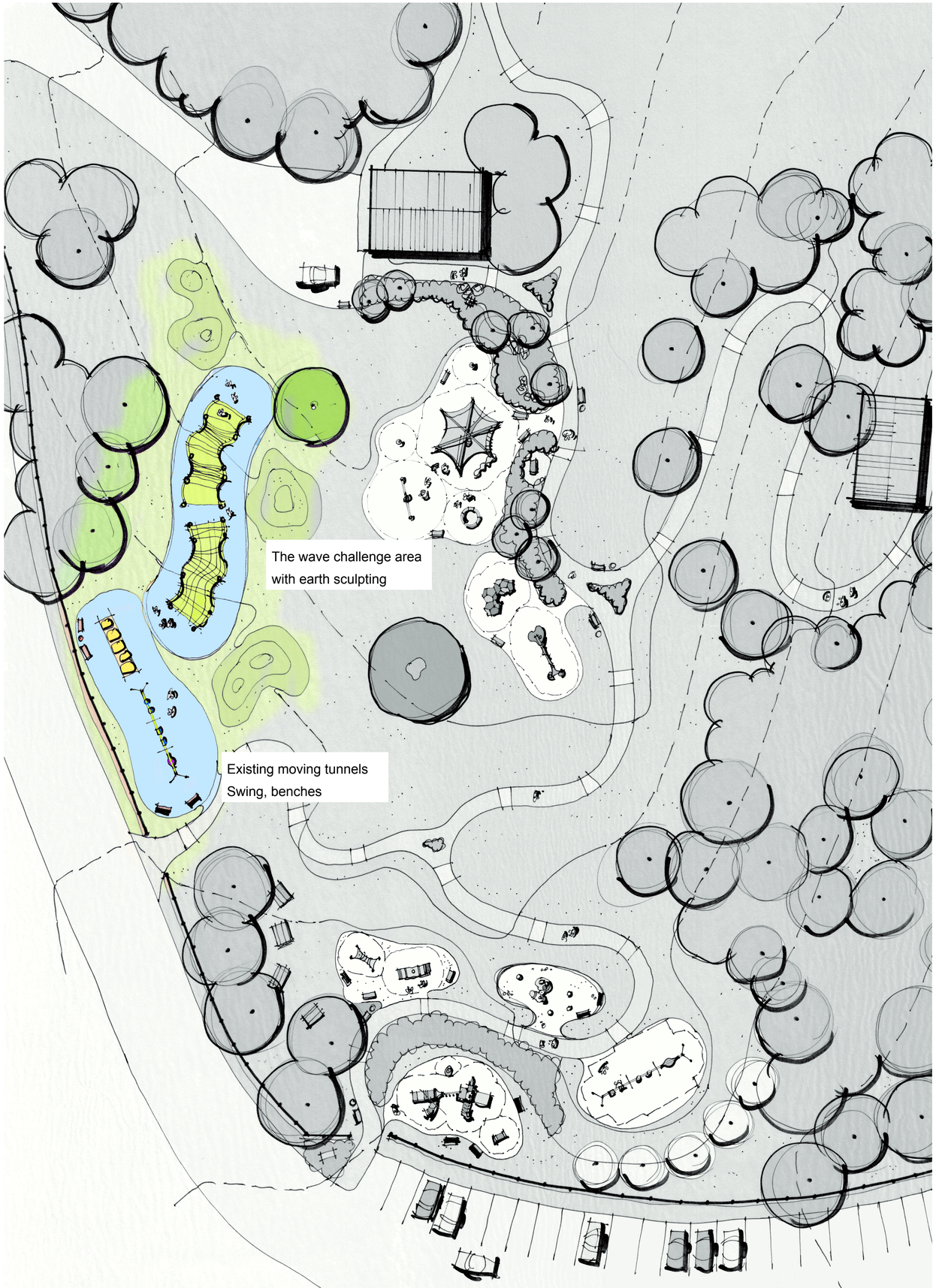
Drawing No.
TB

Existing moving tunnels

Relocated swing

Benches – Owner spec

The wave challenge area
with earth sculpting



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Project Name

Moon Park – Sun Bowl

Drawing Name

The Wave
Hillside Challenge Area

Date

November 24, 2014

Drawing No.

TW

Green Wave Slide

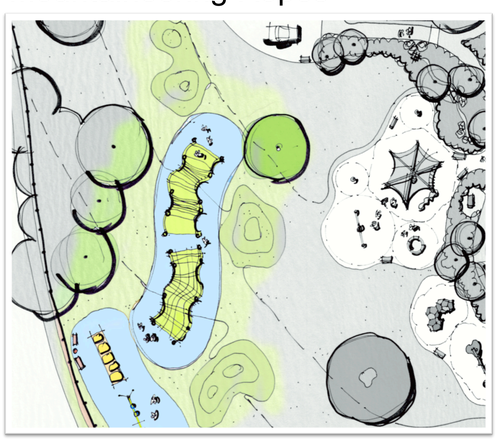
Rope Jungle / Hammock Climber

Rope Jungle

Mountaineering Ropes

The wave challenge area with earth sculpting

Rope Funnel



Steel open catch slide

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Project Name
Moon Park – Sun Bowl

Drawing Name
The Wave
Hillside Challenge Area

Date
November 24, 2014

Drawing No.
TWD

Moon Park

The Sun Bowl - Play & Challenge Park
Construction Budget Estimate
11/24/14

Master Plan Elements: OPTION 1		Qty	UT	Unit Cost	Total
SUNSET VISTA: 2-5 Toddler Area					**$ 176,930**
Playground surface (PIP) - 1-3/4" (4' fall height)		1,425	SF	$ 20.15	$ 28,714
Sand area		650	SF	$ 5.00	$ 3,250
Edging		570	LF	$ 45.00	$ 25,650
Wood carpet under swings, tunnel, seesaw		122	CY	$ 30.00	$ 3,667
MSC6421 Home / Rescue (Large)- installed	Install on PIP	1	EA	$ 55,000	$ 55,000
M166P Ambulance / M130P Scrambler	Install on PIP	2	EA	$ 1,200	$ 2,400
M18601P Garden Seesaw	Install wood carpet	1	EA	$ 7,750	$ 7,750
COR2060s - Custom Toddler Arc Tunnel	Install wood carpet	1	EA	$ 28,000	$ 28,000
M590P Mermaid's Fountain (Sand / Water Play)	Install in sand	1	EA	$ 10,400	$ 10,400
Remove / Relocate existing sand play items	Install in sand	3	EA	$ 250	$ 750
Add 3-Bay Swings (2 infants, 2 ADA, 1 Basket)	Install wood carpet	1	EA	$ 11,350	$ 11,350
THE BASIN: 5-12 Area					**$ 245,805**
Playground surface (PIP) - 4" thick (10' fall height)		4,590	SF	$ 22.00	$ 100,980
Edging		570	LF	$ 45.00	$ 25,650
COR Explorer Dome - lime green color	Install on PIP	1	EA	$ 65,400	$ 65,400
GXY948 Asterion II - new lime color	Install on PIP	1	EA	$ 37,725	$ 37,725
Saturn Carousel	Install on PIP	1	EA	$ 10,500	$ 10,500
GXY8015 / 8016 - Spica 2 and Spica 3	Install on PIP	2	EA	$ 2,650	$ 5,300
BLX4103 - BLOQX 4 Unit	Install on PIP	-	EA	$ 31,865	$ -
Existing Lion Fountain (to remain)		1	EA		$ -
Existing GXY902 Enif to remain		1	EA		$ -
Existing GXY8017 Vega (potentially relocate)		1	EA	$ 250.00	$ 250
THE WAVE: Hillside Challenge					**$ 204,913**
Playground surface (PIP)		3,440	SF	$ 22.00	$ 75,680
Wood carpet under swings & tunnels		111	CY	$ 30.00	$ 3,333
Edging		550	LF	$ 45.00	$ 24,750
The wave	Install on PIP	1	EA	$ 100,000	$ 100,000
Relocate Ex. 3-Bay swing to Hillside (5-12)	Installed wood carpet	1	EA	$ 1,150	$ 1,150
Existing Moving Tunnels (EC625)	Installed wood carpet	1	EA	$ -	$ -
SITE DEVELOPMENT					**$ 223,250**
Site preparation & selective demolition		1	LS	$ 10,000	$ 10,000
Earthwork for circulation and earth sculpting		4,000	LS	$ 10.00	$ 40,000
ADA Accessible circulation		13,500	SF	$ 6.50	$ 87,750
Underdrainage		1	LS	$ 20,000	$ 20,000
Rain garden & infiltration area		1	EA	$ 17,500	$ 17,500
Lawn seeding		76,000	SF	$ 0.50	$ 38,000
Planting		1	LS	$ 10,000	$ 10,000
Lighting	Not included				
Site furniture - benches, trash receptacles, picnic tables - by Owner					
Wayfinding and signage - by Owner					
Relocation of existing play elements - by Owner					
Wooden fencing - by Owner					
Total Playground					**$ 850,899**

Moon Park

The Sun Bowl - Play & Challenge Park
Construction Budget Estimate
11/24/14

Master Plan Elements: OPTION 2		Qty	UT	Unit Cost	Total
SUNSET VISTA: 2-5 Toddler Area					**$ 176,924**
Playground surface (PIP) - 1-3/4" (4' fall height)		1,425	SF	$ 20.15	$ 28,714
Sand area		650	SF	$ 5.00	$ 3,250
Edging		570	LF	$ 45.00	$ 25,650
Wood carpet under swings & tunnels		122	CY	$ 30.00	$ 3,660
MSC6421 Home / Rescue (Large)- installed	Install on PIP	1	EA	$ 55,000	$ 55,000
M166P Ambulance / M130P Scrambler	Install on PIP	2	EA	$ 1,200	$ 2,400
M18601P Garden Seesaw	Install wood carpet	1	EA	$ 7,750	$ 7,750
COR2060s - Custom Toddler Arc Tunnel	Install wood carpet	1	EA	$ 28,000	$ 28,000
M590P Mermaid's Fountain (Sand / Water Play)	Install in sand	1	EA	$ 10,400	$ 10,400
Remove / Relocate existing sand play items	Install in sand	3	EA	$ 250	$ 750
Add 3-Bay Swings (2 infants, 2 ADA, 1 Basket)	Install wood carpet	1	EA	$ 11,350	$ 11,350
THE BASIN: 5-12 Area					**$ 146,615**
Playground surface (PIP) - 4" thick (10' fall height)		-	SF	$ 22.00	$ -
Edging		570	LF	$ 45.00	$ 25,650
Wood carpet under play elements		255	CY	$ 30.00	$ 7,650
COR Explorer Dome - lime green color	Install on PIP	1	EA	$ 65,400	$ 65,400
GXY948 Asterion II - new lime color	Install on PIP	-	EA	$ 37,725	$ -
Saturn Carousel	Install on PIP	1	EA	$ 10,500	$ 10,500
GXY8015 / 8016 - Spica 2 and Spica 3	Install on PIP	2	EA	$ 2,650	$ 5,300
BLX4103 - BLOQX 4 Unit	Install on PIP	1	EA	$ 31,865	$ 31,865
Existing Lion Fountain (to remain)		1	EA		$ -
Existing GXY902 Enif to remain		1	EA		$ -
Existing GXY8017 Vega (potentially relocate)		1	EA	$ 250.00	$ 250
THE WAVE: Hillside Challenge					**$ 204,913**
Playground surface (PIP)		3,440	SF	$ 22.00	$ 75,680
Wood carpet under swings & tunnels		111	CY	$ 30.00	$ 3,333
Edging		550	LF	$ 45.00	$ 24,750
The wave	Install on PIP	1	EA	$ 100,000	$ 100,000
Relocate Ex. 3-Bay swing to Hillside (5-12)	Installed wood carpet	1	EA	$ 1,150	$ 1,150
Existing Moving Tunnels (EC625)	Installed wood carpet	1	EA	$ -	$ -
SITE DEVELOPMENT					**$ 223,250**
Site preparation & selective demolition		1	LS	$ 10,000	$ 10,000
Earthwork for circulation and earth sculpting		4,000	LS	$ 10.00	$ 40,000
ADA Accessible circulation		13,500	SF	$ 6.50	$ 87,750
Underdrainage		1	LS	$ 20,000	$ 20,000
Rain garden & infiltration area		1	EA	$ 17,500	$ 17,500
Lawn seeding		76,000	SF	$ 0.50	$ 38,000
Planting		1	LS	$ 10,000	$ 10,000
Lighting	Not included				
Site furniture - benches, trash receptacles, picnic tables - by Owner					
Wayfinding and signage - by Owner					
Relocation of existing play elements - by Owner					
Wooden fencing - by Owner					
Total Playground					**$ 751,702**

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Moon Park – Sun Bowl

Drawing Name
Budget Estimate

Date
November 24, 2014

Drawing No.
BE