



ACME TOWNSHIP PARKS & TRAILS MEETING
ACME TOWNSHIP HALL
6042 Acme Road, Williamsburg MI 49690
August 26th, 2016 11:00 a.m.

ROLL CALL:

Committee:

	Feringa		Heffner		Heflin		Jenema
	LaPointe		Timmins		Wentzloff		
	Heinert		Kushman				
	Henkel		Winter				

Advisory:

Staff:

- A. PUBLIC COMMENT:**
- B. APPROVAL OF AGENDA:**
- C. INQUIRY AS TO CONFLICTS OF INTEREST:**
- D. CORRESPONDENCE:**
- E. ACTION:**
- F. REPORTS (if applicable):**
 - 1. Township Board – Jenema
 - 2. Autumn Olive – Winter
- G. NEW BUSINESS:**
- H. OLD BUSINESS:**
 - 1. Bayside Park Phase I Bid Options
- I. PUBLIC COMMENT**

ADJOURN:



ACME TOWNSHIP PARKS & TRAILS MEETING
ACME TOWNSHIP HALL
6042 Acme Road, Williamsburg MI 49690
August 26th, 2016 11:00 a.m. Draft minutes

ROLL CALL: Meeting called to order at 11:05

Committee:	x	Feringa	x	Heffner	x	Heflin	x	Jenema
	x	LaPointe	x	Timmins	A	Wentzloff		
Advisory:	x	Heinert	A	Kushman				
Staff:	A	Henkel	x	Winter				

A. PUBLIC COMMENT:none

B. APPROVAL OF AGENDA: Motion: Motion to approve agenda
 With addition of item D 1, correspondence and action item E 1.
 Motion made by LaPointe 2nd. By Heffner motion carries

C. INQUIRY AS TO CONFLICTS OF INTEREST: none

D. CORRESPONDENCE:
 1) email from Angie Lucus – at the land conservancy- discussion of connecting the upper and lower trails.
 Offered to meet with Acme township to help look at best trail layout. Also offered to help redesign our crumbling signs at Yuba. Shawn wondered about transferring this to the park and maintenance committee. LaPointe said he is happy to let the conservancy go flag areas and then talk about the next steps. Heffner said he would also be happy to work on trail development within Yuba.

E. ACTION:
 1. **Approve park and trails minutes from 8/12/16** – correction under H. 2 fix typo to “more” not “moved”. Motion: To approve the minutes from 8/12/16 with correction – Feringa, 2nd by Heflin, motion carries

F. REPORTS (if applicable):
 1. **Township Board – Jenema-** reported that Tom Henkel will be retiring at the end of September or October.
 2. **Autumn Olive – Winter-** Meet with farmers to talk about maintenance in the areas that Autumn olive was removed. Jake from Americorp will be going to Yuba nature area to cut and spray more Autumn Olive with his team. Late spring early next summer Shawn and Jake will be going to reevaluate what has regrown and decide on the maintenance plan. No action can happen until after July 15th due to bird nesting.

G. NEW BUSINESS:

H. OLD BUSINESS:
 1. **Bayside Park Phase I Bid Options-**
 LaPointe made corrections to the bayside park budget items: Option 3, Item 3 1.5 was increased to \$5760 and under option 4, restroom repair and stamped concrete needed to be added new total \$67,500

Zollinger explained how much the township has to actually work with on hand (\$60,438) after the reduction of tree removal cost. Township has to watch the dollars carefully as cost add up faster than revenue. Gave example of having to find extra engineering cost for boat launch project at Saylor Park.

LaPointe wants to make sure in the future we have better tracking of budgeting and cost to avoid having
If you are planning to attend and are physically challenged, requiring any special assistance, please notify Cathy Dye, Clerk, within 24 hours of the meeting at 938-1350.

to go back to the board for additional funds.

Jay has come up with a new way to track budgets to track internally.

Heffner doesn't want to go over budget but doesn't want to trim so much we sacrifice quality. Better to hold back and add components later instead of cutting items down.

Went over the 4 different options Klaus came up with.

Option 1 cost = \$78,206.51

Option 2 cost= \$74,934.98

Option 3 cost=\$69,552.98

Option 4 cost= \$62,223.68

*(please note the above numbers do not include LaPointe's corrections, see above for those figures)

Smaller piece of a bigger plan, so it makes it a bit challenging to design things that will be added to in the future without compromising quality and structure.

Klaus discussed the practicality of cutting stair width from 4' to 3' as cost saving on end caps without changing design.

Klaus was worried about cost overrun do to unknowns under the soil where the retaining wall would be, did ground penetrating radar to prove there is no concrete foundation under where the wall will be constructed.

Discussed future water levels and how the wall is built to withstand high water, and setting the wall back as far as possible.

Discussed getting new numbers for dirt as that quote seemed a little high should be closer to 20k, because it's a small job contractors charge a little more, bigger the project the more the price goes down.

Discussed having stamped concrete instead of pavers under the bench area, also had the option of leaving as cutouts and mulching until the township can afford the cost of permanent concrete. Under option 4 Klaus suggest leaving the bench cut outs unpaved to save on cost. The committee supported this idea.

Option 4 is what the committee had a consensus on due to cost. Will be asking the board for the extra \$5300 for the restroom repairs that were not originally asked to be included in the plan.

Jenema asked what the committee thought about what to put under the benches, mulch was agreed upon by the committee.

Zollinger asked about dates. October 22nd is our goal end date to have the park ready for the blue star ceremony.

Klaus said the contractors would like to start right after labor day, if not before.

\$67,276 was Jenemas end figure on option 4.

Klaus said to take out \$800 from that for the cement bench space.

Zollinger, Jenema and LaPointe will meet to go over exact accounts and numbers within the Township.

Motion: by LaPointe 2nd, by Heffner

Motion to approve option 4, excluding option 1.4, but including \$4300 for repairs in front of the restrooms. Total cost of option 4 as of today's date = \$66,476.
Motion carries

I. PUBLIC COMMENT none

ADJOURN:

Motion: Motion to adjourn Timmins, 2nd by LaPointe motion carries

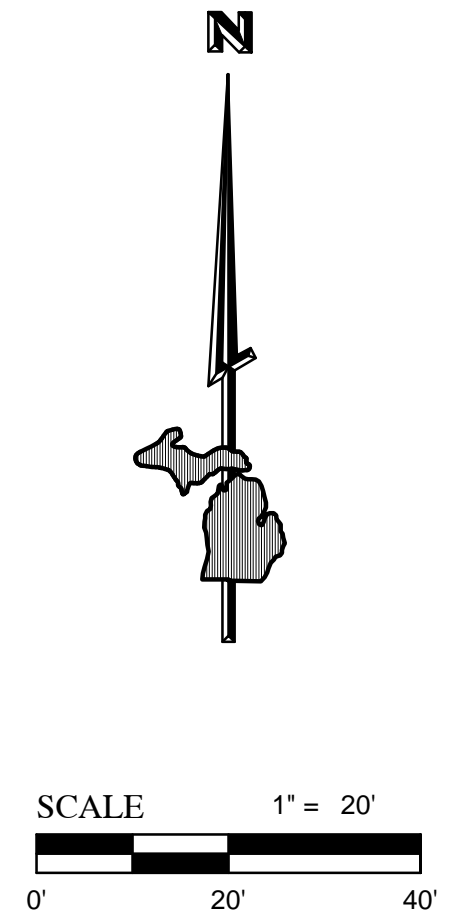
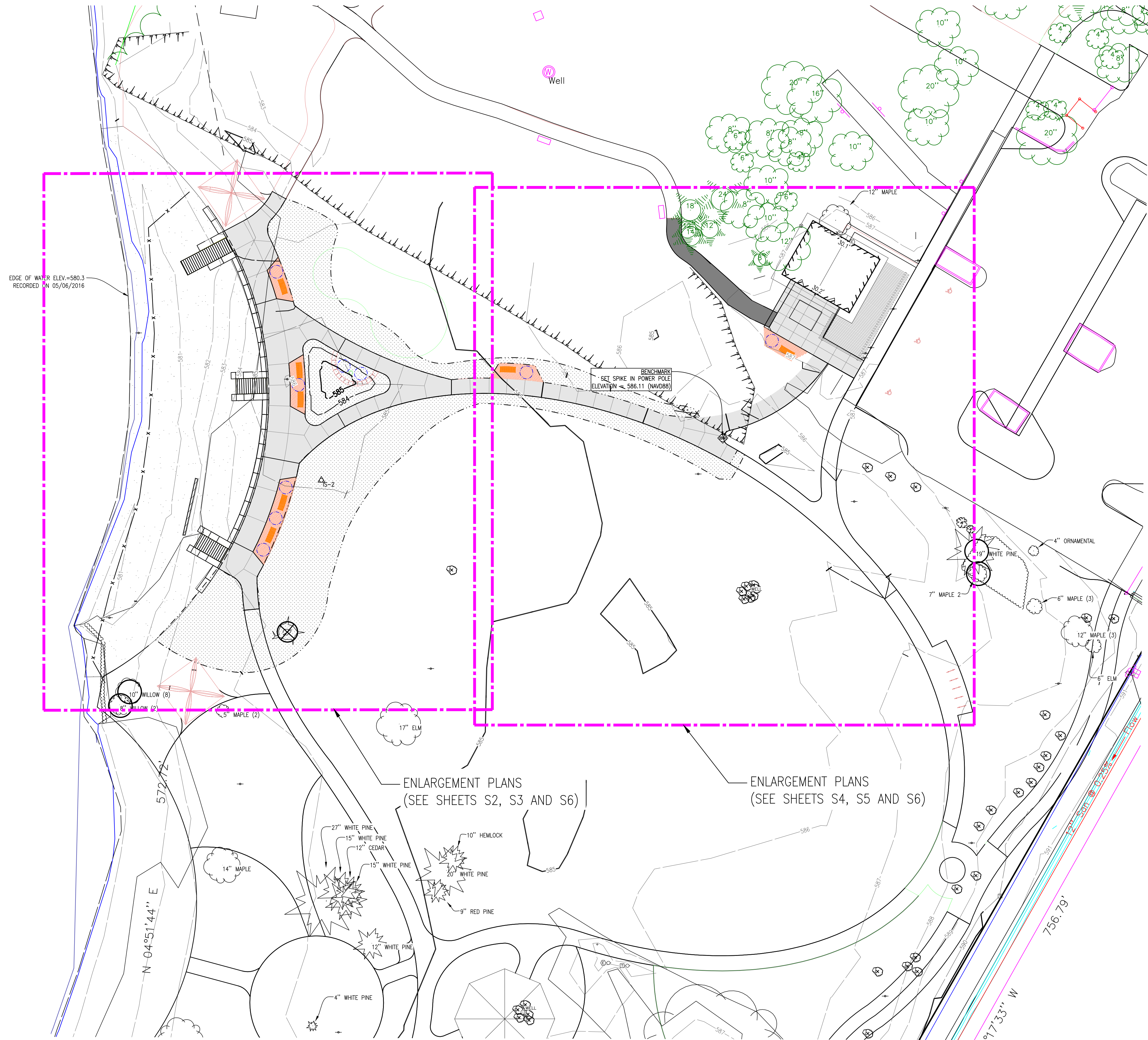
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General Legend

- PROJECT LIMITS
- - - EDGE OF WATER
- - - EX EDGE OF GRAVEL
- - - EX EDGE OF CONCRETE
- - - EX OVERHEAD ELECTRIC
- == EX CONCRETE CURB
- EX WOOD BOLLARD
- ☼ EX CONIFEROUS TREE
- ☼ EX DECIDUOUS TREE

Surfacing Symbol Legend

- CONCRETE PAVING
- ASPHALT PAVING
- PAVERS
- UNI ECO-STONE CONCRETE PAVERS
- BEACH SAND
- ADA BOARDWALK (BY OWNER)
- TURF GRASS (HYDRO-SEED AREA)



THE LOCATION OF THE EXISTING UTILITIES, AS SHOWN ON THIS PLAN, ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ACTUAL LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE OWNER AND THE SURVEYOR SHALL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATION SHOWN. THE CONTRACTOR SHALL NOTIFY "MISS DIG" AT 1 (800) 482-7171 OR 811 THREE (3) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.

OVERALL PLAN
SCALE: 1" = 20'

Gosling Czubak
 Engineering Sciences, Inc.
 12000 Corporate Blvd
 231-949-9191 800-988-1082
 Fax: 231-941-6625

By: KDH
 JPH
 KDH

Revised: PRELIMINARY BIDDING

No. 01
 Date: 06-30-16
 03 08-01-16

Drawn By: NTS
 Checked By: KDH

Date: 04-07-2016
 Scale: 1"=20'

Location:
 6042 Acme Road
 Williamstown, MI
 49680

OVERALL PROJECT PLAN
NORTH BAYSIDE PARK
ACME TOWNSHIP, MICHIGAN

Project No.
 2015390007.01

Sheet
S1

General Legend

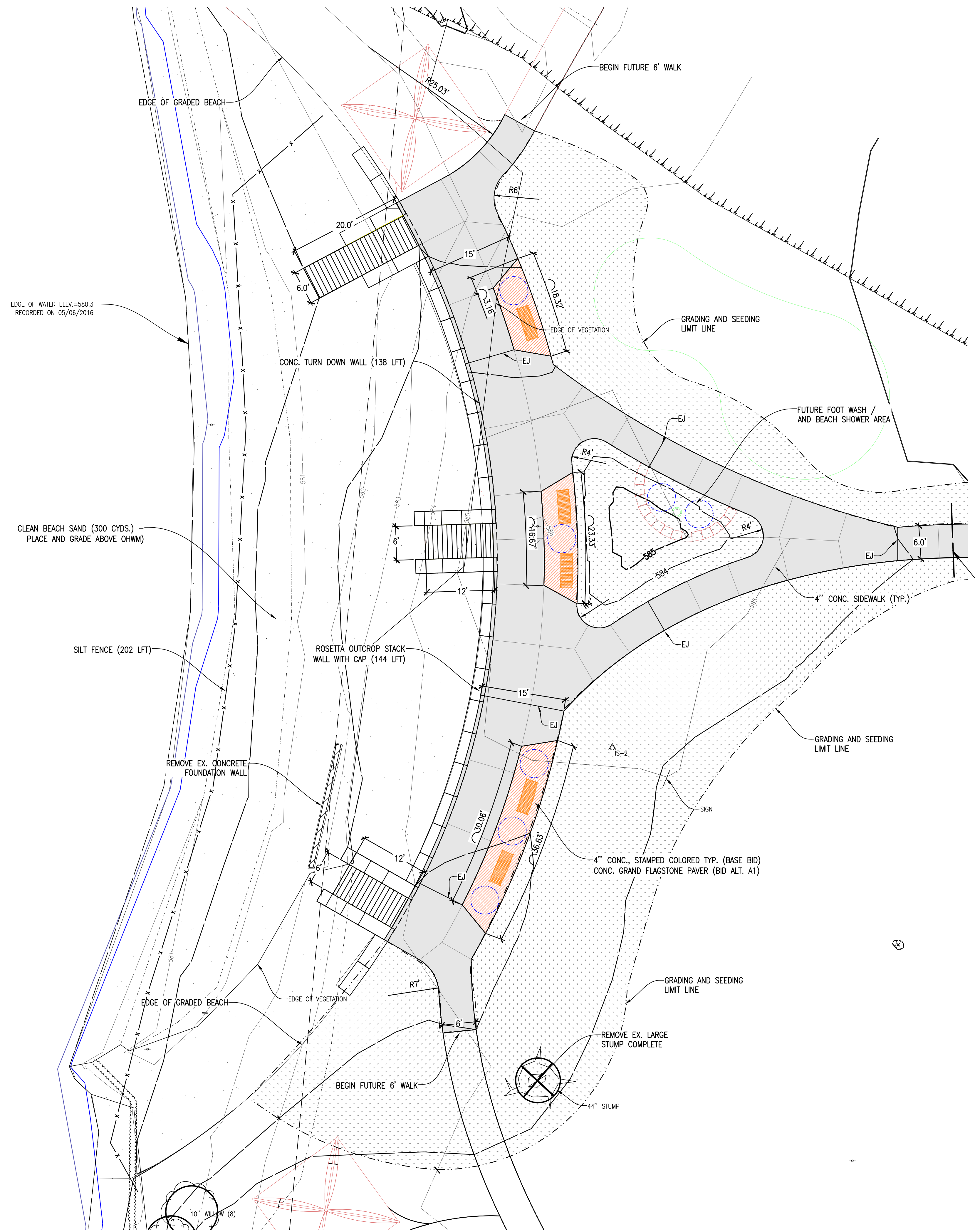
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Surfacing Symbol Legend

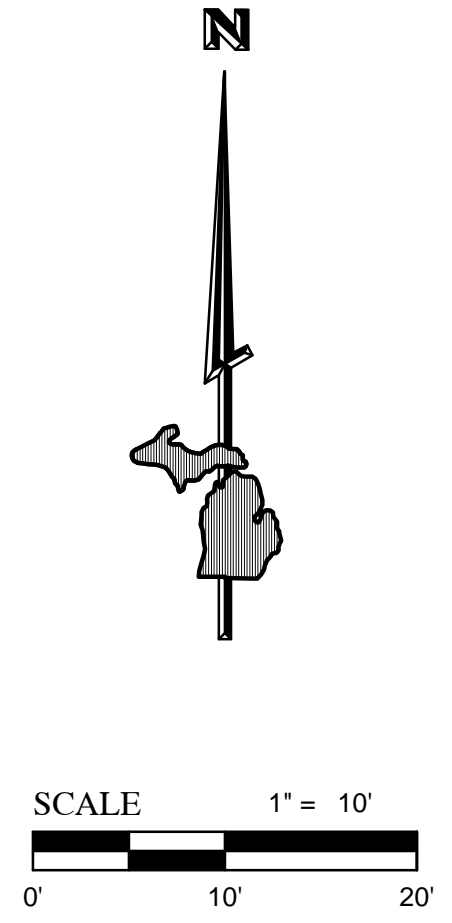
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- TURF GRASS (HYDRO-SEED AREA)

Layout Notes

1. A NORTH-SOUTH AND EAST-WEST CONTROL LINE SHALL BE STAKED BY GOSLING CZUBAK ENGINEERING SCIENCES, INC PRIOR TO CONSTRUCTION FOR BEACH AND WALL WORK. REMAINING GRADE STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. OFFSET STAKING TO BE INCLUDED IN CONTRACTOR PRICING. GOSLING CZUBAK SHALL VERIFY CONTROL AND LAYOUT CONNECTOR WALKWAY WITH OFFSET GRADE STAKES.
3. DIMENSIONS ARE TO EDGE OF CONCRETE, ASPHALT, OR WALL.



GRADING ENLARGEMENT
SCALE: 1" = 10'



FLAT WORK		
Material: Name	Material: Area	Material: Volume
Compacted Granular Base	4303 SF	53.13 CY
Compacted Subgrade	4303 SF	
4" Conc. Sidewalk	3787 SF	46.75 CY
4" Conc., Stamped, Colored	516 SF	6.38 CY
Beach Sand Amend (above OHWM)	965 SYD	321.53 CY

OR (BID ALT.1 Grand flagstone pavers)

30" CONC. TURN DOWN WALL	
Material	Volume
Compacted Granular Base	14.28 CY
30" TURN DOWN CURB	1.38 LFT 5.49 CY

DIMENSIONAL STEP WALL COPING SCHEDULE							
Length	Width	Height	Cut	Cut Start From Edge	Cut Angle - Left	Cut Angle - Right	Count
36"	30"	6"	No	0° - 0°	0°	0°	3 (BID ALT.2)
72"	30"	4"	No	0° - 0°	0°	0°	6
72"	30"	4"	Yes	0° - 1"	1.323°	1.323°	16
72"	30"	4"	Yes	0° - 1"	1.323°	3.82°	3
72"	30"	4"	Yes	0° - 1"	3.82°	1.323°	3
72"	30"	6"	No	0° - 0°	0°	0°	36 (BID ALT.2)

ROSETTA STONE OUTCROP WALL		
Type	Length	Area
Rosetta Blocks	144 LFT	157 SF

Gosling Czubak
Engineering Sciences, Inc.
12000 Conant Rd., Suite 200
Troy, MI 48068-1002
Tel: 313-948-9101 Fax: 313-948-1002

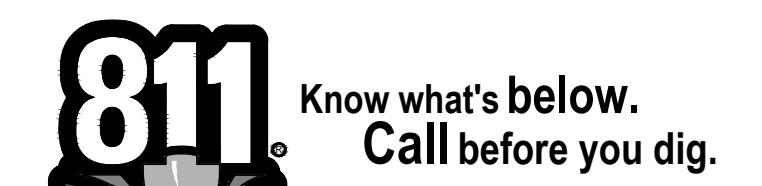
By: KDH, JPH, KDH
Checked By: KDH
Date: 08-30-16
No: 01
Revision: PRELIMINARY BIDDING
Date: 08-01-16

Drawn By: NTS
Checked By: KDH
Date: 04-07-2016
Scale: 1" = 10'

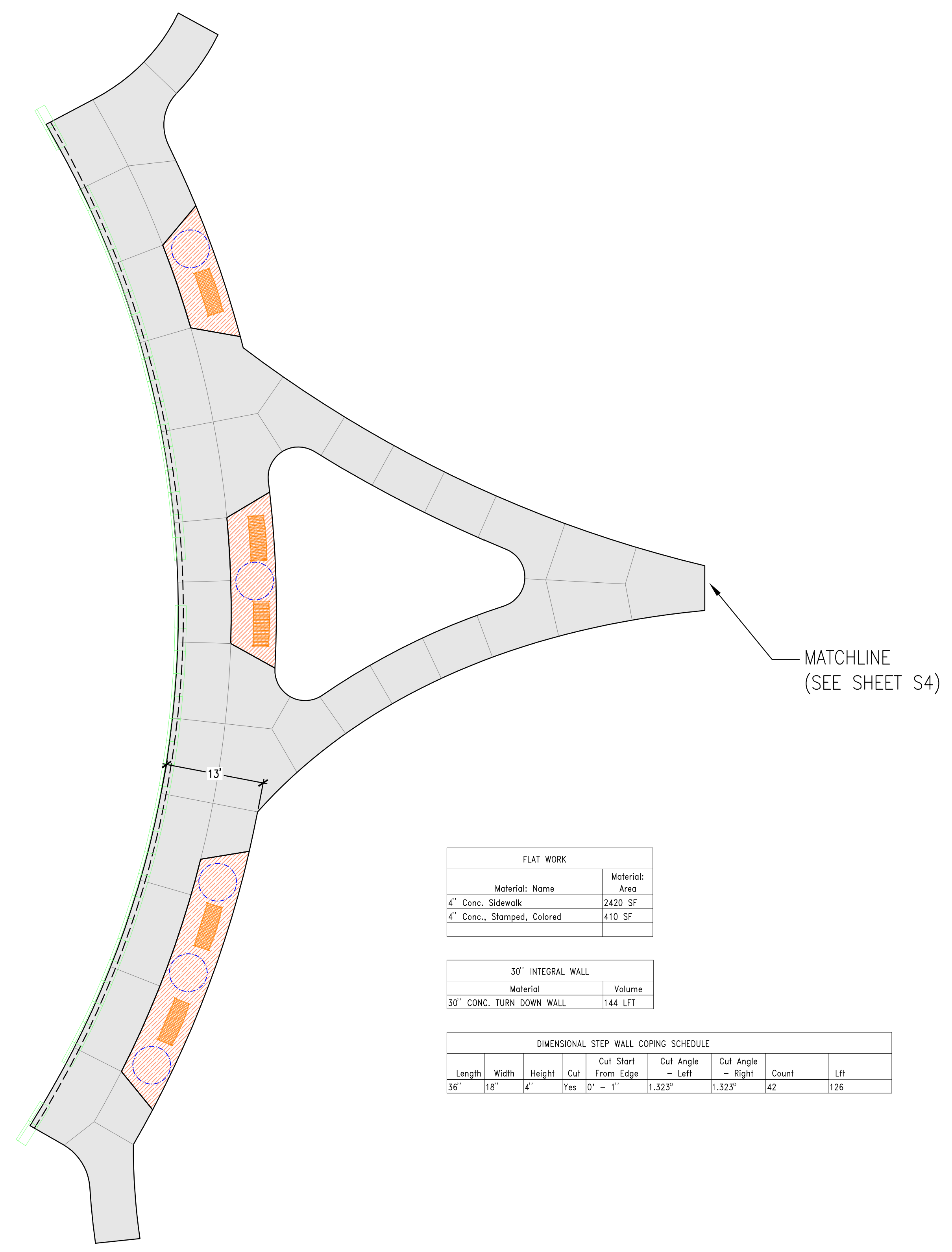
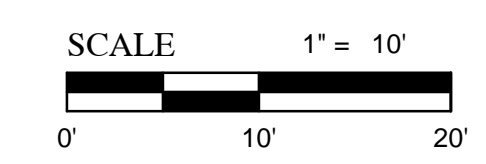
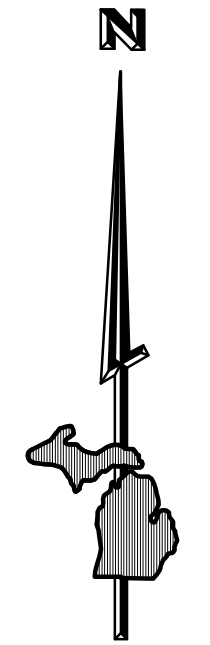
Location:
6042 Acme Road
Williamstown, MI
49680

BEACH WALL / WALKWAY LAYOUT
NORTH BAYSIDE PARK
ACME TOWNSHIP, MICHIGAN

Project No.
2015390007.01
Sheet
S2



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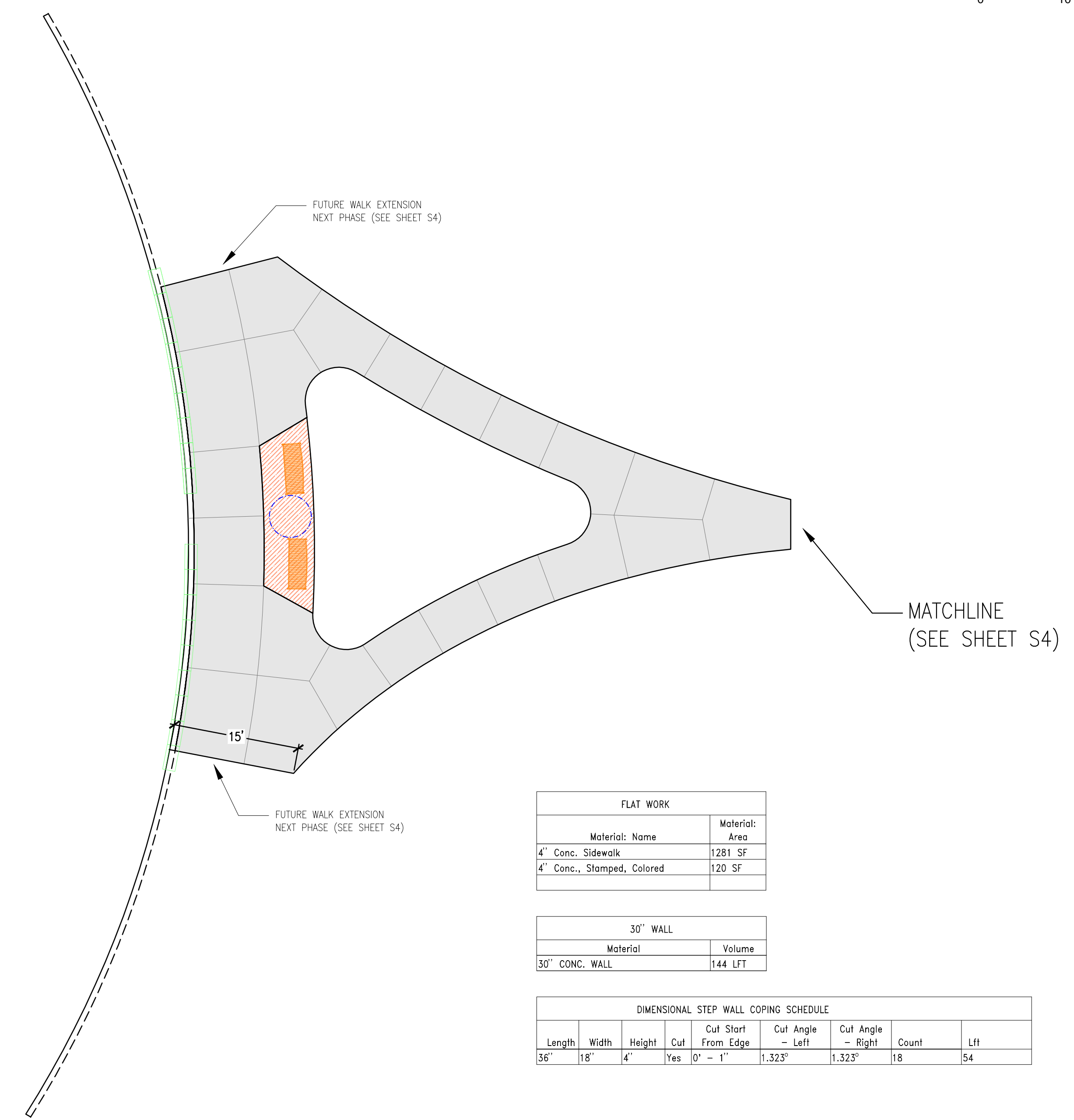


OPTION 3
SCALE: 1" = 10'

FLAT WORK	
Material: Name	Material: Area
4" Conc. Sidewalk	2420 SF
4" Conc., Stamped, Colored	410 SF

30" INTEGRAL WALL	
Material	Volume
30" CONC. TURN DOWN WALL	144 LFT

DIMENSIONAL STEP WALL COPING SCHEDULE								
Length	Width	Height	Cut	Cut Start From Edge	Cut Angle - Left	Cut Angle - Right	Count	Lft
36"	18"	4"	Yes	0' - 1"	1.323°	1.323°	42	126



OPTION 4
SCALE: 1" = 10'

FLAT WORK	
Material: Name	Material: Area
4" Conc. Sidewalk	1281 SF
4" Conc., Stamped, Colored	120 SF

30" WALL	
Material	Volume
30" CONC. WALL	144 LFT

DIMENSIONAL STEP WALL COPING SCHEDULE								
Length	Width	Height	Cut	Cut Start From Edge	Cut Angle - Left	Cut Angle - Right	Count	Lft
36"	18"	4"	Yes	0' - 1"	1.323°	1.323°	18	54



By: KKH, KKH, KKH, KKH
 Revision: PRELIMINARY, PRELIMINARY, PRELIMINARY, PRELIMINARY
 Date: 06-30-16, 08-01-16, 08-01-16, 08-19-16
 No: 01, 03, 04
 Quantity Reductions

Drawn By: NTS
 Checked By: KKH
 Date: 04-07-2016
 Scale: 1" = 10'

Location:
 6942 Acme Road
 Williamstown, MI 49680

**BEACH WALL / WALKWAY - OPTIONS
 NORTH BAYSIDE PARK
 ACME TOWNSHIP, MICHIGAN**

Project No.
 2015390007.01
 Sheet
S2a

Grading Legend

- HP HIGH POINT
- LP LOW POINT
- TW TOP OF WALL
- BW TOP OF WALL
- TS TOP OF STAIR
- BS BOTTOM OF STAIR
- TD TOP OF DECK
- 576 EXISTING CONTOUR
- 584 PROPOSED CONTOUR
- 583.96 PROPOSED SPOT GRADE
- 5% DIRECTION OF SLOPE
- 2% PROPERTY LINE
- 2% PROPOSED DRAINAGE DIRECTION & GRADIENT
- PROPOSED SURFACE WATER DRAINAGE DIRECTION
- PROPOSED CULVERT W/ END SECTIONS
- GRADE BREAK
- SR-1 SLOW RELEASE STRUCTURE
- EJ EXPANSION JOINT

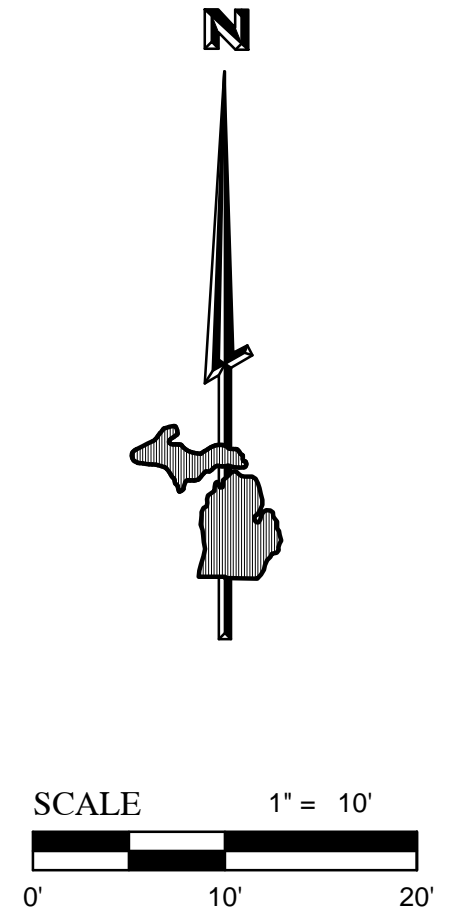
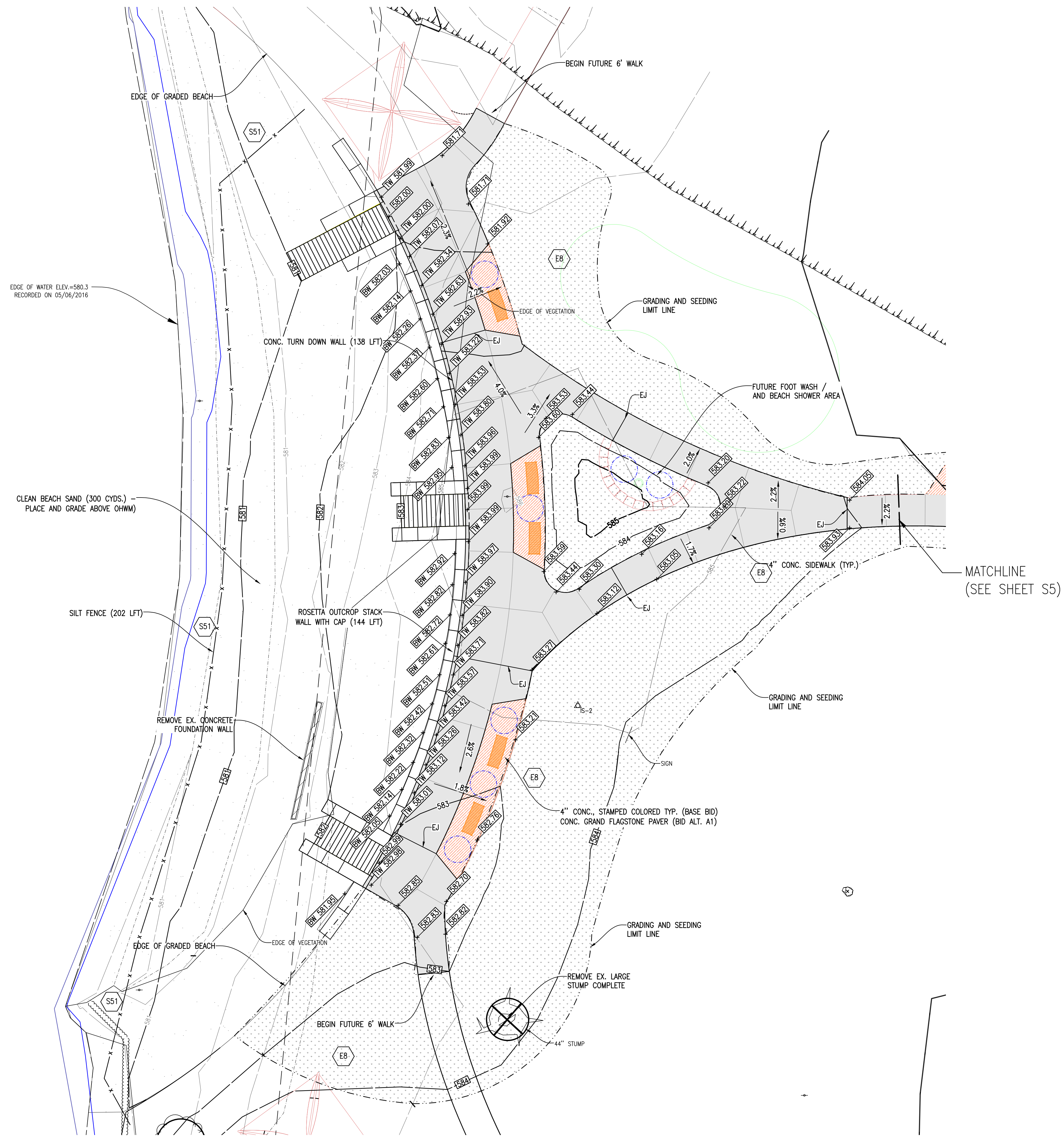
General Legend

- PROJECT LIMITS
- EDGE OF WATER
- EX EDGE OF GRAVEL
- EX EDGE OF CONCRETE
- EX OVERHEAD ELECTRIC
- EX CONCRETE CURB
- EX WOOD BOLLARD
- EX CONIFEROUS TREE
- EX DECIDUOUS TREE

Surfacing Symbol Legend

- CONCRETE PAVING
- ASPHALT PAVING
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- UNI ECO-STONE CONCRETE PAVERS
- BEACH SAND
- ADA BOARDWALK (BY OWNER)
- TURF GRASS (HYDRO-SEED AREA)

- SOIL EROSION & SEDIMENTATION CONTROL MEASURES
CONTROL MEASURES
PER MICHIGAN UNIFIED KEYING SYSTEM
- E9 MULCH BLANKET
 - E8 PERMANENT SEEDING
 - SS1 SILT FENCE



GRADING ENLARGEMENT
SCALE: 1" = 10'



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Gosling Czubak
engineers, architects, inc.
12000 Conant Road, Suite 200
Williamstown, MI 49680
231-948-9191 800-988-1082
Fax: 231-941-6625

By: KKH, JKH, KKH
Revision: PRELIMINARY BIDDING
Date: 06-30-16
No: 03 08-01-16

Drawn By: NTS
Checked By: KKH
Date: 04-07-2016
Scale: 1" = 10'

Location:
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49680

**BEACH WALL / WALKWAY GRADING
NORTH BAYSIDE PARK
ACME TOWNSHIP, MICHIGAN**

Project No.
2015390007.01
Sheet
S3

General Legend

- PROJECT LIMITS
- - - EDGE OF WATER
- - - EX EDGE OF GRAVEL
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- ==== EX CONCRETE CURB
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Surfacing Symbol Legend

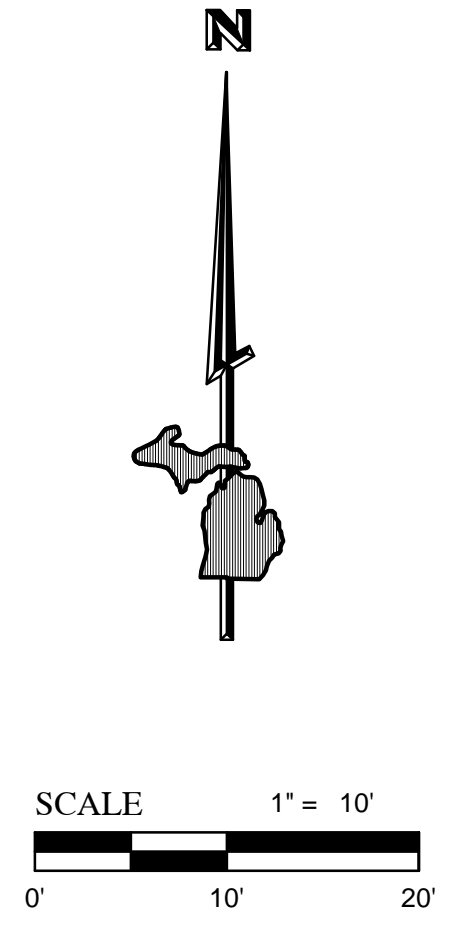
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- [Pattern] ASPHALT PAVING
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- [Pattern] UNI ECO-STONE CONCRETE PAVERS
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GRADING ENLARGEMENT
SCALE: 1" = 10'



RESTROOM PLAZA DEMOLITION AND PUTBACKS (BID ALT.3&4)

Type	Area	
Brick - Exterior	82 SF	(BID ALT.3)
Sidewalk	485 SF	(BID ALT.3)
4" Conc. Sidewalk	485 SF	(BID ALT.4)
4" Conc., Stamped, Colored	100 SF	(BID ALT.4)

Gosling Czubak
Engineering Sciences, Inc.
12001 Acme Road
Williamstown, MI 49880
Tel: 989-931-8000-8007
Fax: 231-941-6002

By: KKH, JPH, KKH
Revision: PRELIMINARY BIDDING
No: 01
Date: 06-30-16
08-01-16

Drawn By: NTS
Checked By: KKH
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Williamstown, MI
49880

PARKING CONNECTOR LAYOUT
NORTH BAYSIDE PARK
ACME TOWNSHIP, MICHIGAN

Project No.
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Sheet
S4

811 Know what's below.
Call before you dig.

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Surfacing Symbol Legend

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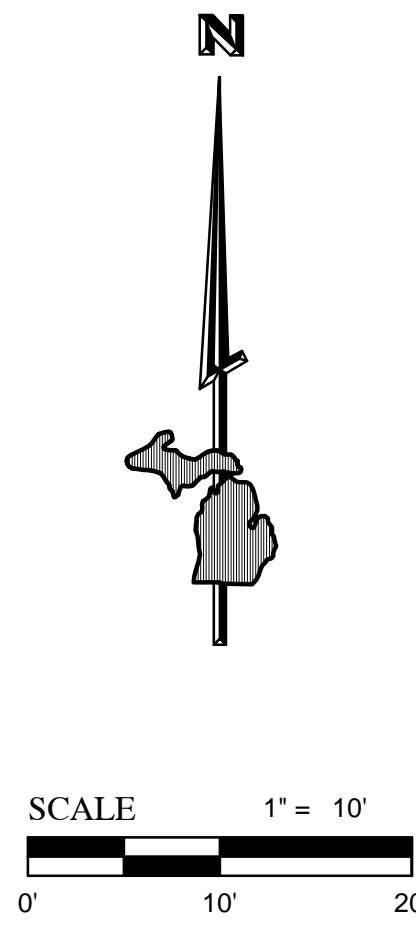
Grading Legend

- HP HIGH POINT
- LP LOW POINT
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- BW TOP OF WALL
- TS TOP OF STAIR
- BS BOTTOM OF STAIR
- TD TOP OF DECK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- DIRECTION OF SLOPE
- PROPERTY LINE
- PROPOSED DRAINAGE DIRECTION & GRADIENT
- PROPOSED SURFACE WATER DRAINAGE DIRECTION
- PROPOSED CULVERT W/ END SECTIONS
- GRADE BREAK
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- SOIL EROSION & SEDIMENTATION CONTROL MEASURES PER MICHIGAN UNIFIED KEYING SYSTEM
- MULCH BLANKET
 - PERMANANT SEEDING
 - SILT FENCE



GRADING ENLARGEMENT
SCALE: 1" = 10'



Gosling Czubak
Engineering Sciences, Inc.
231-948-9191
231-948-9192
Fax: 231-941-6625

By: KKH, JPH, KKH
Reviewed: PRELIMINARY BIDDING
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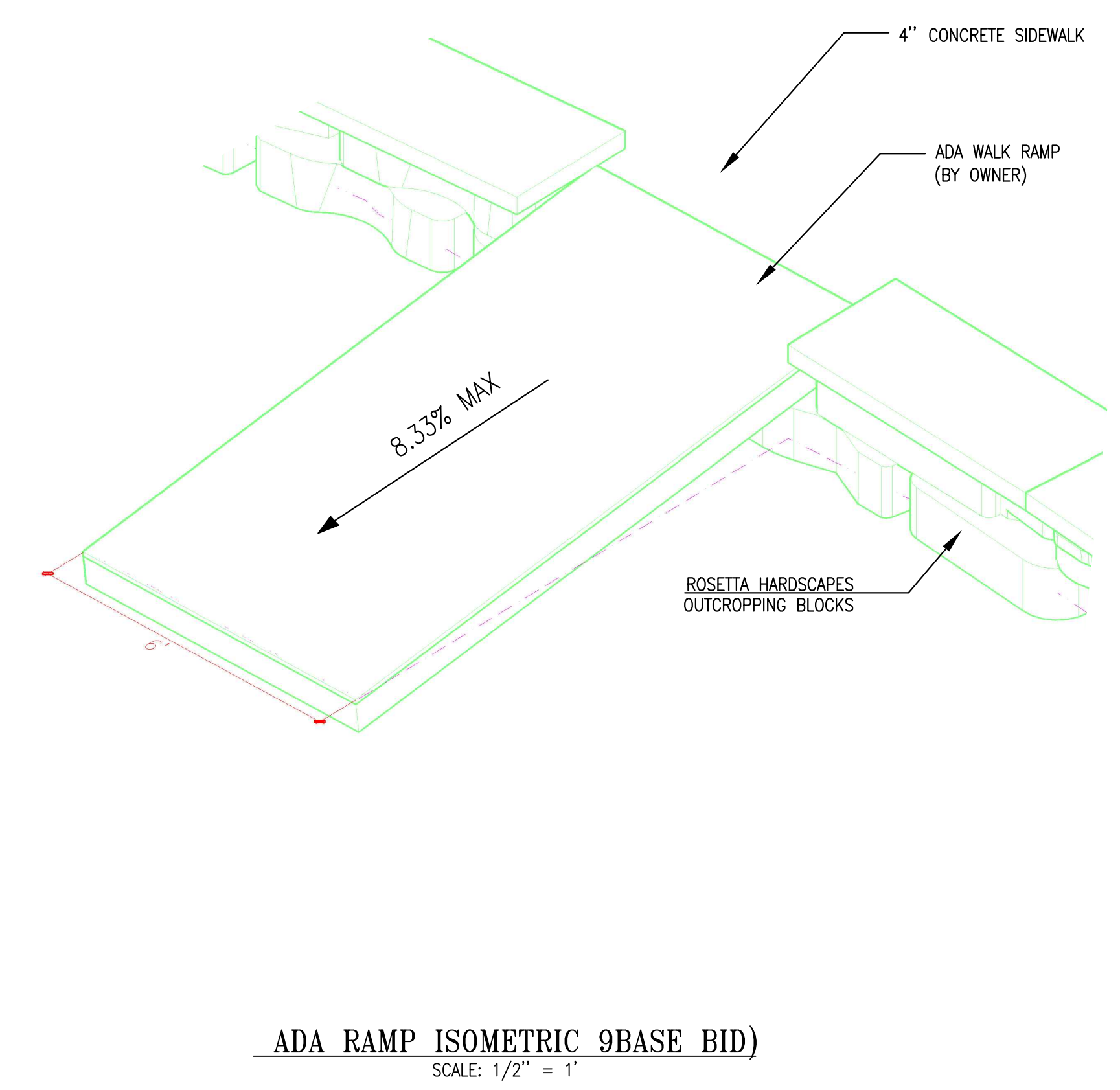
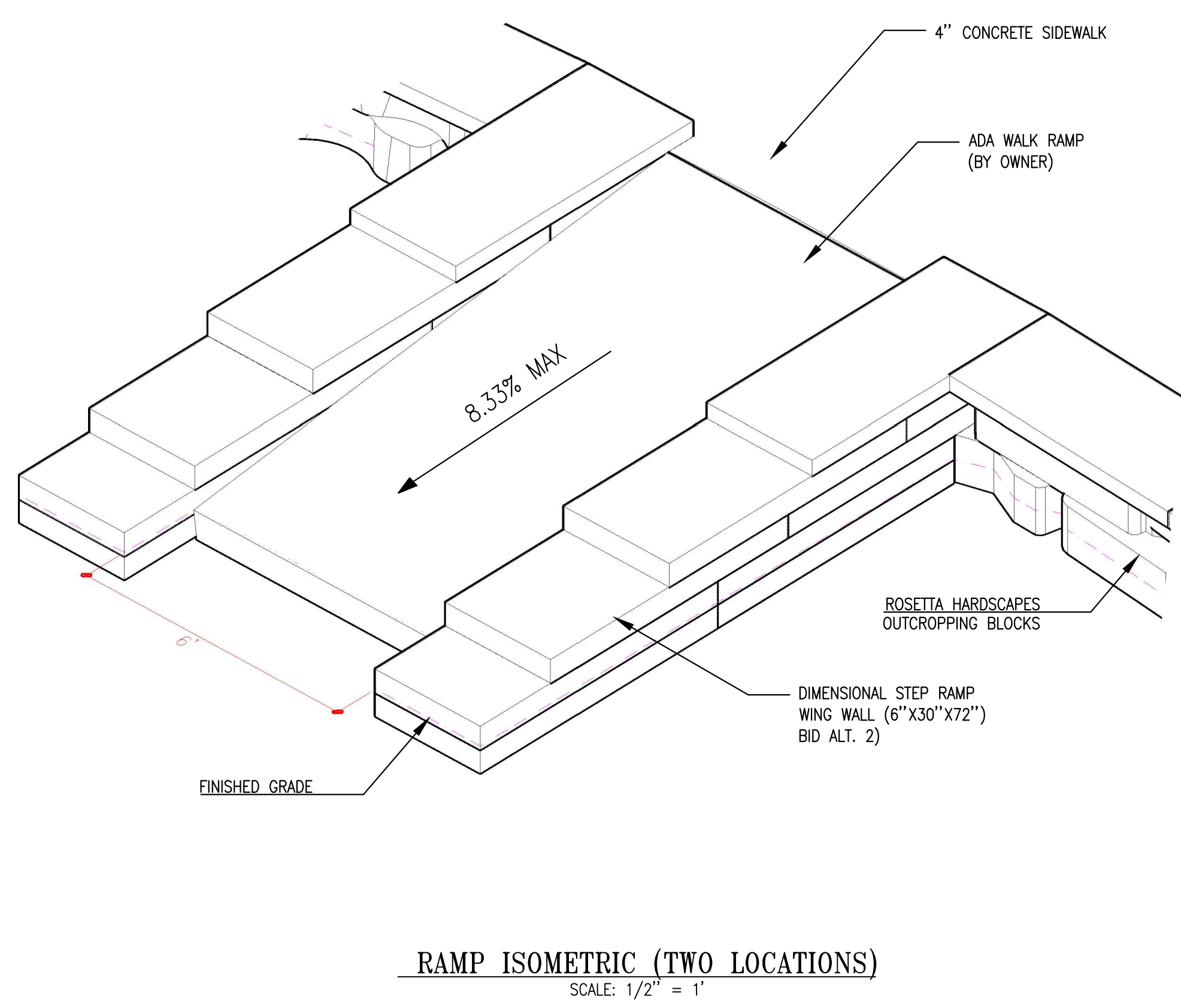
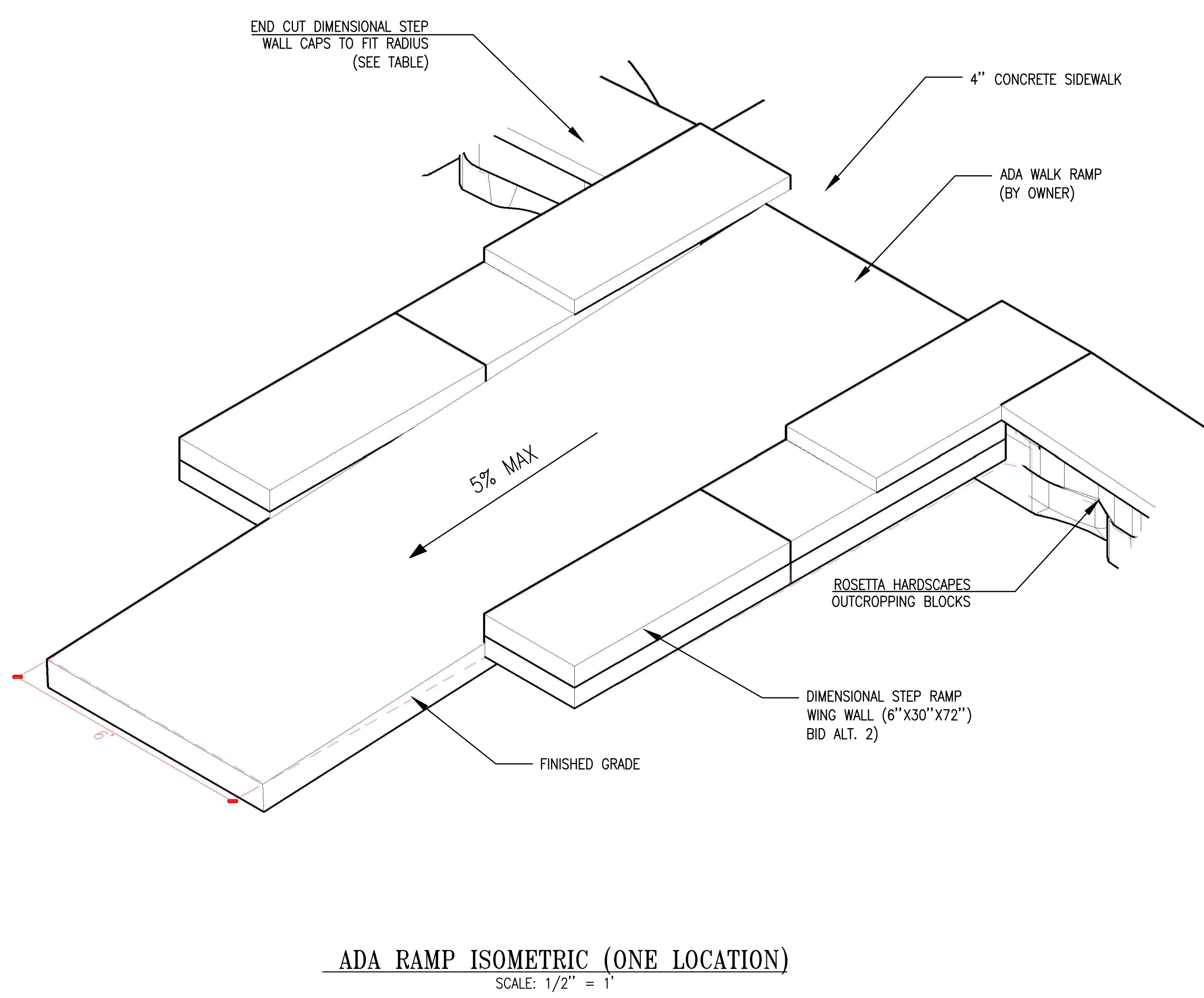
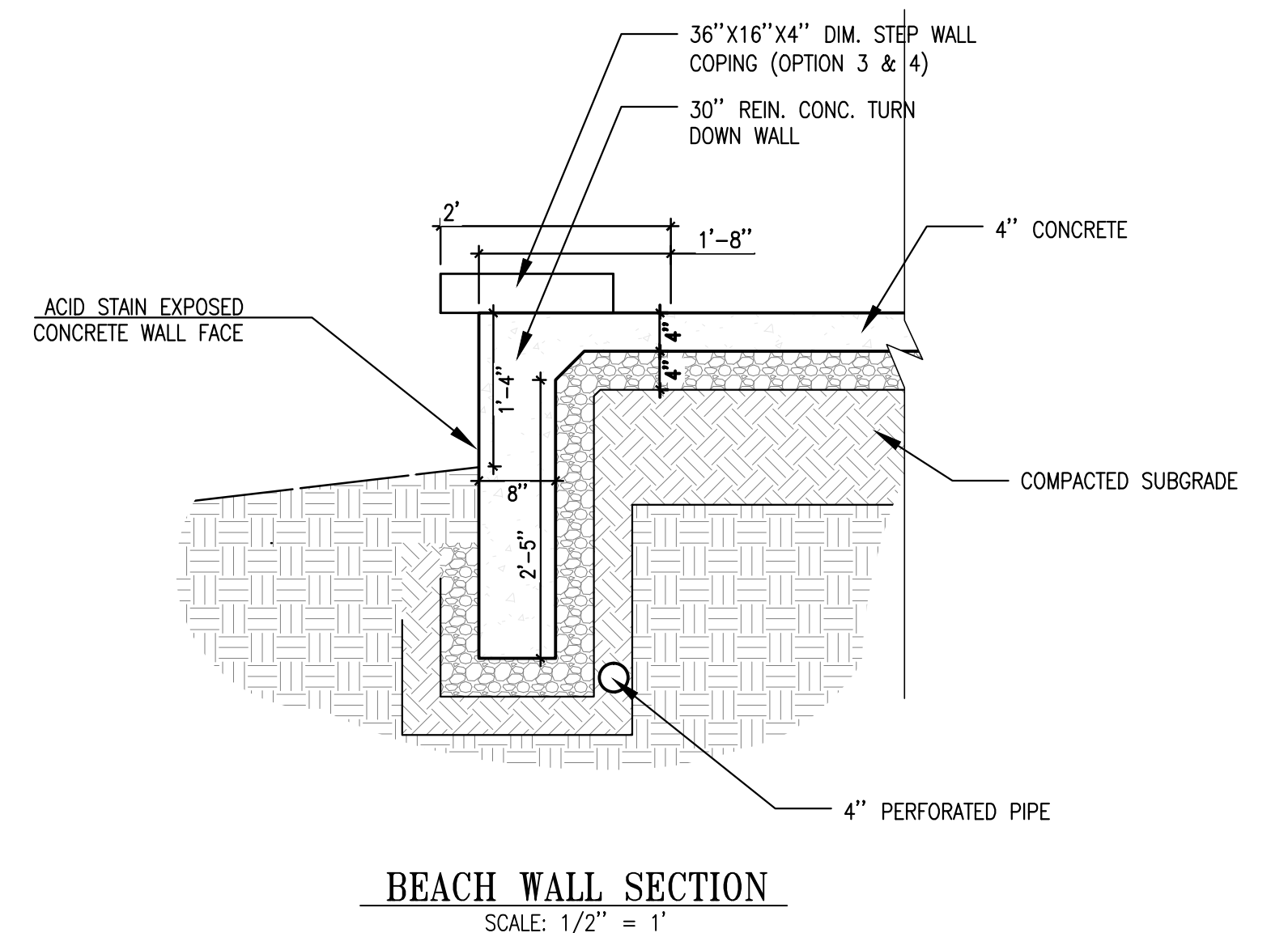
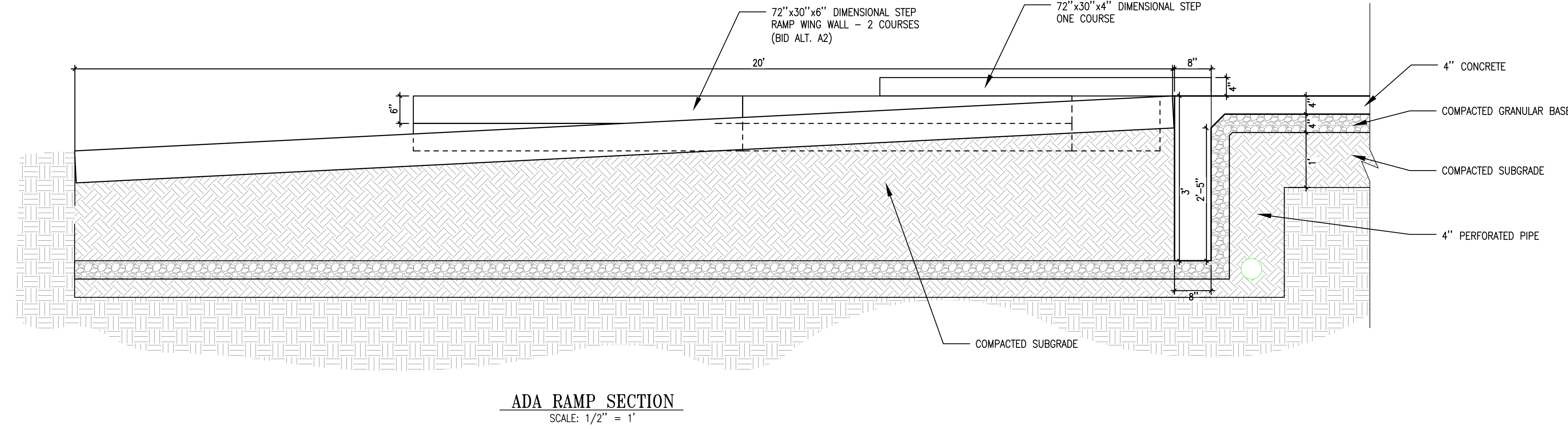
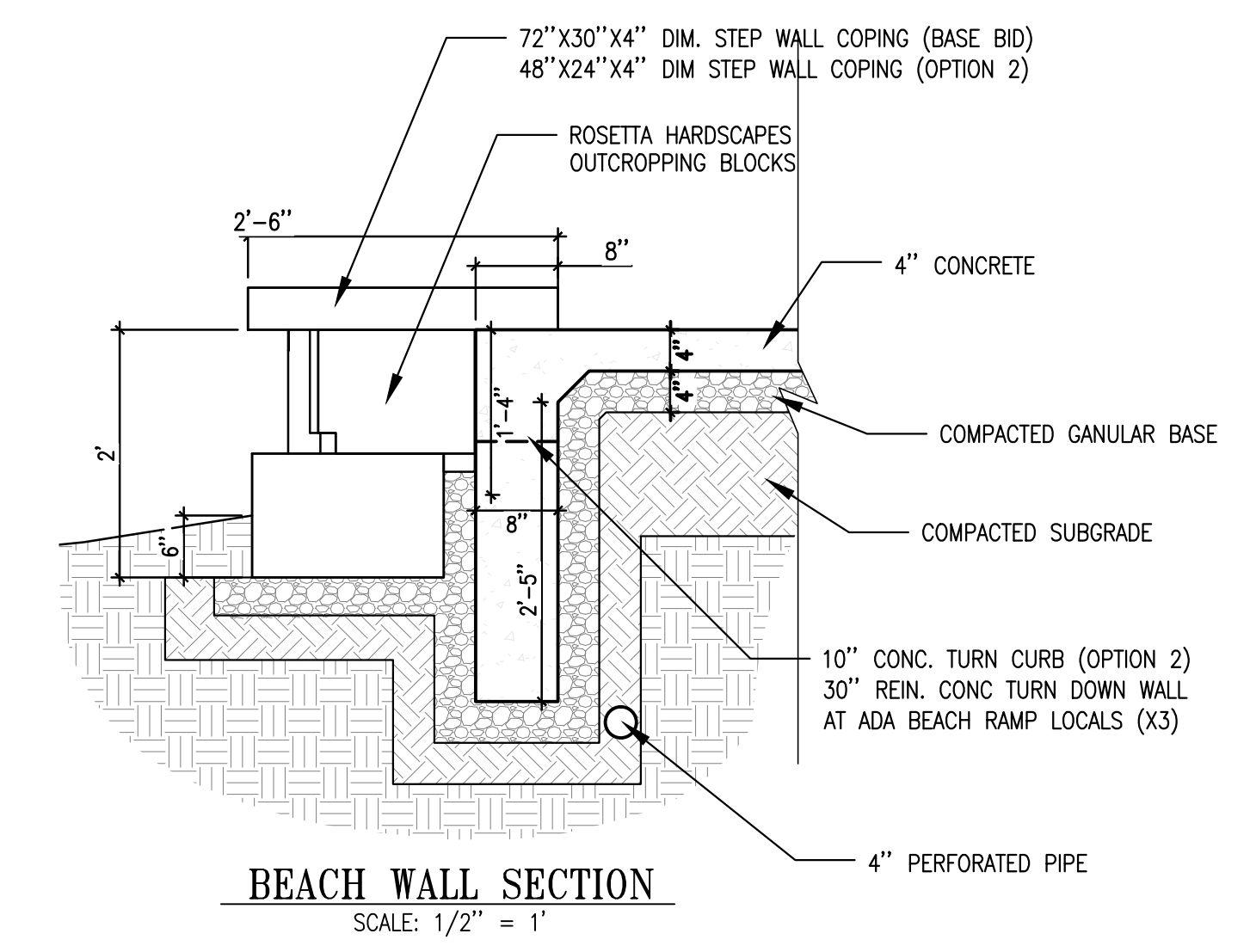
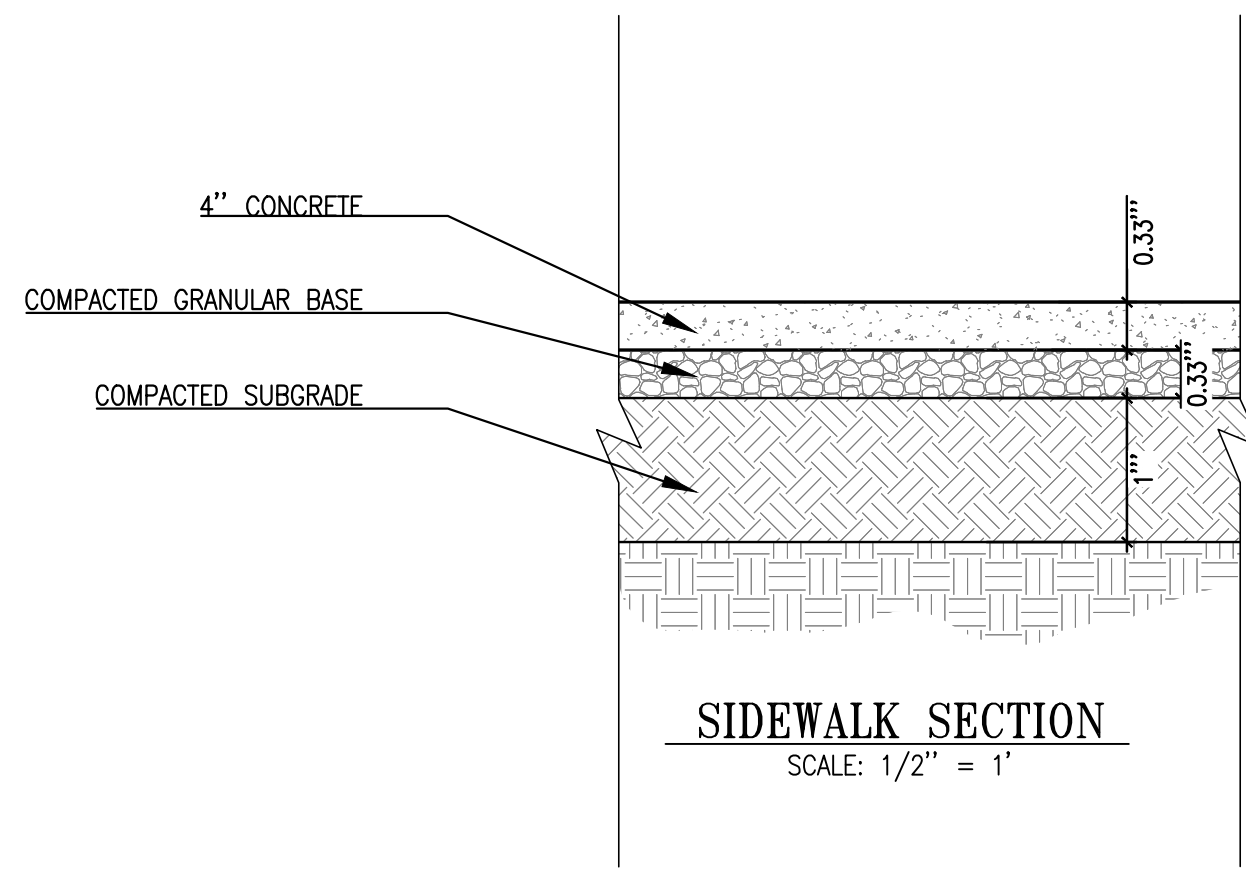
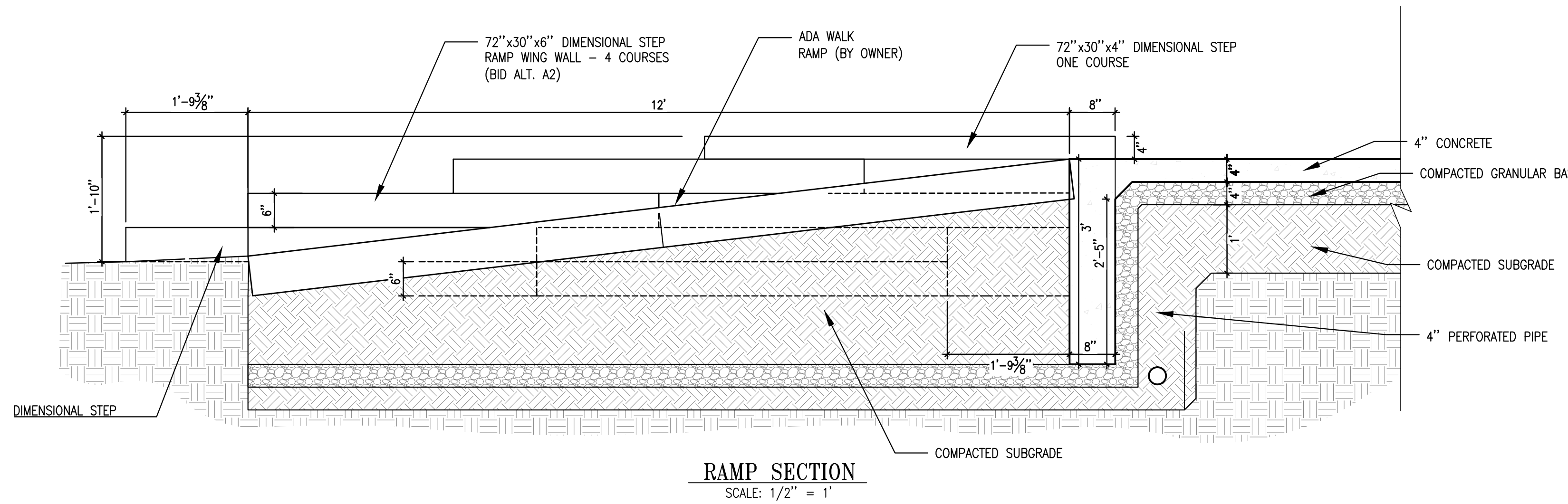
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Williamstown, MI 49680

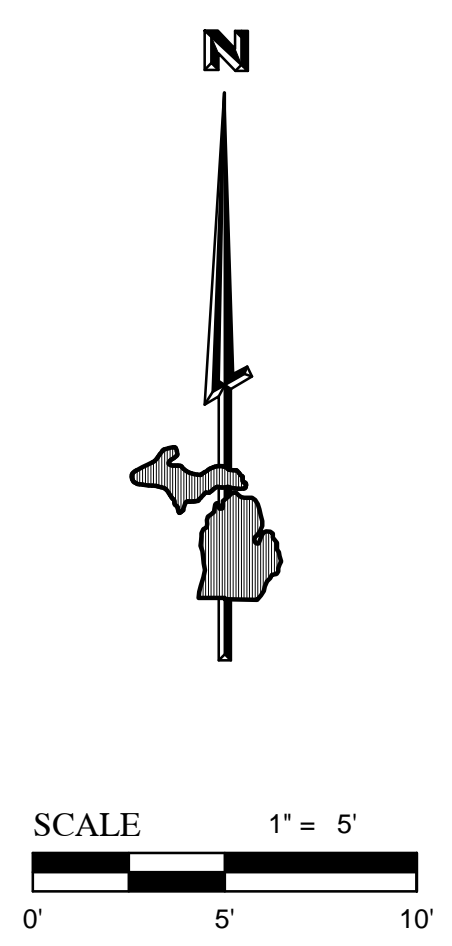
PARKING CONNECTOR GRADING
NORTH BAYSIDE PARK
ACME TOWNSHIP, MICHIGAN

811 Know what's below.
Call before you dig.

THE LOCATION OF THE EXISTING UTILITIES, AS SHOWN ON THIS PLAN, ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ACTUAL LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE OWNER AND THE SURVEYOR SHALL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATION SHOWN. THE CONTRACTOR SHALL NOTIFY "MISS DIG" AT 1 (800) 482-7171 OR 811 THREE (3) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.

Project No. 2015390007.01
Sheet **S5**





GARDEN AREA
SCALE: 1" = 10'

$N 29^{\circ}18'47'' E 2.50'$
 $S 29^{\circ}18'47'' W 1.70'$
 $N 20.72'$
 $62^{\circ}54'01'' W$
 $N 60^{\circ}41'13'' W$
 $145.7'$

Engineers
 Surveyors
 Environmental
 Services
 Architects
Gosling Czubak
 engineering sciences, inc.
 1208
 231-948-9191 800-988-1062
 Fax 231-941-6022

By:
 Revision:
 No.:
 Date:

Drawn By: NTS
 Checked By: KDH
 Date: 04-07-2016
 Scale: 1"=10'

Location:
 6042 Acme Road
 Williamsburg, WI
 49680

GARDEN AREA LAYOUT
NORTH BAYSIDE PARK
ACME TOWNSHIP

Project No.
 2015390007.01
 Sheet
1
 of 1

**Project: N. Bayside Park
Acme Township, MI
Updated: 08-23-16**

BASE BID - Beach Access Walkway

Base BID

Item No.	Item Description (BID #)	Estimated Quantity	Unit	Unit Price	Bid Price	Molon / Bella	
						Bid Unit Price	Extension
1.1	General Conditions, Site Preparation (BID 1)	1.0	LS	\$0.00	\$0.00	\$25,950.00	\$25,950.00
1.2	Concrete Turn Down Wall	138.0	Lft.	\$0.00	\$0.00	\$98.00	\$13,524.00
1.3	4" Conc. Sidewalk	3,787	Sft	\$0.00	\$0.00	\$4.00	\$15,148.00
1.4	4" Conc. Stamped, Colored	516	Sft	\$0.00	\$0.00	\$8.00	\$4,128.00
1.5	Conc. Stack Wall with 4" Cap	144.0	Lft	\$0.00	\$0.00	\$187.00	\$26,928.00
1.6	Clean Beach Sand	321.0	Cyd.	\$0.00	\$0.00	\$25.00	\$8,025.00
1.7	Fine Grade, topsoil and seed (MDOT TDS)	800.0	Syd.	\$0.00	\$0.00	\$16.00	\$12,800.00
Subtotal					\$0.00		\$106,503.00

Contingency	5%	\$0.00	\$5,325.15
Staking		\$3,000.00	\$3,000.00
Restroom Plaza (Bid Alt A-3 thru A-4)		\$4,500.00	
Total		\$3,000.00	\$114,828.15
Budgeted		\$60,000.00	\$60,000.00
Difference Incl. 5% Contingency		\$57,000.00	-\$54,828.15

BID ALTERNATE - Restroom Plaza Area

Item No.	Item Description	Estimated Quantity	Unit	Bid Unit	Bid Price
A-1	Conc. Grand Flagstone Pavers (all areas)	616.0	Sft.	\$23.00	\$14,168.00
A-2	Dimensional Cap Ramp Wing Wall	1.0	LS	\$0.00	\$0.00
A-3	Restroom Plaza Removals	1.0	LS	\$2,000.00	\$2,000.00
A-4	4" Conc. Sidewalk	611.0	Sft.	\$4.00	\$2,444.00
A-5	4" Conc. Stamped, Colored	100.0	Sft	\$8.00	\$800.00

= Item modification
 = change in quantity
 = anticipated change in unit price



Option 1 (07/22/16 meeting)

Option 2 (07/22/16 meeting)

Item No.	Adjusted		Revised Quantity	Unit	Molon / Bella (reduced)		Item No.	Adjusted		Revised Quantity	Unit	Molon / Bella (Reduced)	
	Item Description				Bid Unit Price	Extension		Item Description				Bid Unit Price	Extension
1.1	General Conditions, Site Preparation (BID 1)		1.0	LS	\$23,355.00	\$23,355.00	1.1	General Conditions, Site Preparation (BID 1)		1.0	LS	\$22,057.50	\$22,057.50
1.2	30" Concrete Turn Down Wall		138.0	Lft.	\$98.00	\$13,524.00	1.2	10" Concrete Turn Down Curb		138.0	Lft.	\$20.00	\$2,760.00
1.3	4" Conc. Sidewalk		3,787	Sft	\$4.00	\$15,148.00	1.3	4" Conc. Sidewalk		3,506	Sft	\$4.00	\$14,024.00
1.4	4" Conc. Stamped, Colored		516	Sft	\$8.00	\$4,128.00	1.4	4" Conc. Stamped, Colored		516	Sft	\$8.00	\$4,128.00
1.5	48"x24"x4" Cap Only		144.0	Lft	\$93.50	\$13,464.00	1.5	Conc. Stack Wall with 48"x24"x4" Cap		144.0	Lft	\$160.00	\$23,040.00
1.6	Clean Beach Sand		100.0	Cyd.	\$25.00	\$2,006.25	1.6	Clean Beach Sand		100.0	Cyd.	\$25.00	\$2,500.00
1.7	Fine Grade, topsoil and seed (MDOT TDS)		0.0	Syd.	\$16.00	\$0.00	1.7	Fine Grade, topsoil and seed (MDOT TDS)		0.0	Syd.	\$16.00	\$0.00
					Subtotal	\$71,625.25						\$68,509.50	

Contingency	5%	\$3,581.26	\$3,425.48
Staking / Testing		\$3,000.00	\$3,000.00
Restroom Plaza (Bid Alt A-3 thru A-4)			
Total		\$78,206.51	\$74,934.98
Budgeted		\$60,000.00	\$60,000.00
Difference Incl. 8% Contingency		-\$18,206.51	-\$14,934.98



Option 3

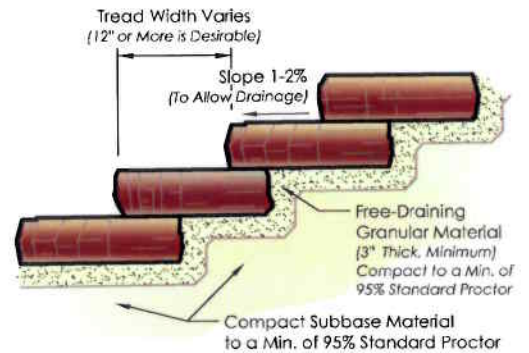
Option 4

Item No.	Adjusted	Revised Quantity	Unit	Molon / Bella (Reduced)		Item No.	Adjusted	Revised Quantity	Unit	Molon / Bella (Reduced)	
	Item Description			Bid Unit Price	Extension		Item Description			Bid Unit Price	Extension
1.1	General Conditions, Site Preparation (BID 1)	1.0	LS	\$22,057.50	\$22,057.50	1.1	General Conditions, Site Preparation (BID 1)	1.0	LS	\$22,057.50	\$22,057.50
1.2	30" Concrete Turn Down Wall, Acid stain	138.0	Lft.	\$105.00	\$14,490.00	1.2	30" Concrete Turn Down Wall, Acid stain	138.0	Lft.	\$105.00	\$14,490.00
1.3	4" Conc. Sidewalk	3,506	Sft	\$4.00	\$14,024.00	1.3	4" Conc. Sidewalk	2,367	Sft	\$4.00	\$9,468.00
1.4	4" Conc. Stamped, Colored	516	Sft	\$8.00	\$4,128.00	1.4	4" Conc. Stamped, Colored	516	Sft	\$8.00	\$4,128.00
1.5	Conc. Cap Only (36'x18"x4")	144.0	Lft	\$40.00	\$1,870.00	1.5	Conc. Cap Only (36'x18"x4")	54.0	Lft	\$40.00	\$2,160.00
1.6	Clean Beach Sand	100.0	Cyd.	\$25.00	\$2,500.00	1.6	Clean Beach Sand	100.0	Cyd.	\$25.00	\$2,500.00
1.7	Fine Grade, minimal topsoil and seed (MDOT TDS)	0.0	Syd.	\$16.00	\$0.00	1.7	Fine Grade, minimal topsoil and seed (MDOT TDS)	100.0	Syd.	\$16.00	\$1,600.00
				Subtotal	\$59,069.50						\$56,403.50

Contingency	5%	\$2,953.48	\$2,820.18
Staking / Testing		\$3,000.00	\$3,000.00
Restroom Plaza (Bid Alt A-3 thru A-4)		\$4,500.00	\$5,300.00
Total		\$69,522.98	\$62,223.68
Budgeted		\$60,000.00	\$60,000.00
Difference Incl. 8% Contingency		-\$9,522.98	-\$2,223.68

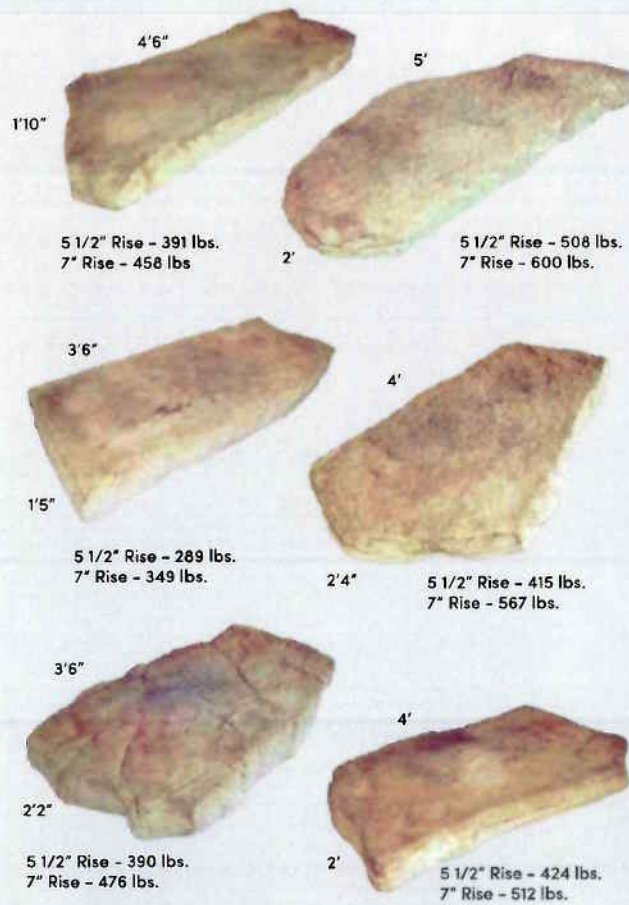
FEATURES

- Highly natural texture and shape.
- Consistent rise = fast installation and safe end result.
- Quality materials = long term durability.
- Multiple natural color blends available.
- Complimentary products = creative possibilities.



IRREGULAR STEPS

- Available in 5.5" or 7" rise
- Steps palletized with blended pieces
- Pallet of 8 ea, 5.5" rise steps = 3,300 lbs
- Pallet of 8 ea, 7" rise steps = 4,200 lbs



*All dimensions are nominal.

DIMENSIONAL STEPS

- All dimensional steps have 7" rise
- Steps palletized one size/pallet

Option 3+4

- 36" x 18" x 7"
- 375 lbs/ea
- 8 ea/pallet



Option 2

- 48" x 18" x 7"
- 455 lbs/ea
- 8 ea/pallet



- 48" x 24" x 7"
- 675 lbs/ea
- 8 ea/pallet



- 72" x 30" x 7"
- 1320 lbs/ea
- 3 ea/pallet



Marvin - 08/22/16

*40/ea
\$150/ea
\$12/ft.
-13*

*\$60 ea.
\$15/ft.*