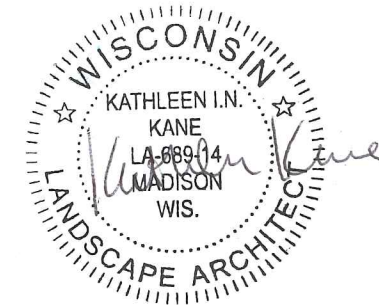


SHEET SCHEDULE

- 1.1 ALLIED PARK - PROJECT LOCATION AND SITE ACCESS
- 1.2 ALLIED PARK - DEMOLITION AND PROTECTION PLAN
- 1.3 ALLIED PARK - SITE PLAN
- 1.4 ALLIED PARK - GRADING AND EROSION CONTROL PLAN
- 1.5 ALLIED PARK - DESIGN CALCULATIONS
  
- 2.1 NORMAN CLAYTON PARK - PROJECT LOCATION AND SITE ACCESS
- 2.2 NORMAN CLAYTON PARK - DEMOLITION AND PROTECTION PLAN
- 2.3 NORMAN CLAYTON PARK - SITE PLAN
- 2.4 NORMAN CLAYTON PARK - GRADING AND EROSION CONTROL PLAN
- 2.5 NORMAN CLAYTON PARK - DESIGN CALCULATIONS
  
- 3.1 SAUK CREEK PARK - PROJECT LOCATION AND SITE ACCESS
- 3.2 SAUK CREEK PARK - DEMOLITION AND PROTECTION PLAN
- 3.3 SAUK CREEK PARK - SITE PLAN
- 3.4 SAUK CREEK PARK - GRADING AND EROSION CONTROL PLAN
- 3.5 SAUK CREEK PARK - DESIGN CALCULATIONS

SHEETS 1.0-4.1: PRELIMINARY DRAWINGS OF ICON HX28TS SHELTER - FOR REFERENCE ONLY



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PROJECT:  
*2017 PARKS  
DIVISION SUN  
SHELTERS  
INSTALLATION*

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Advised by: KK	02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:

SHEET NUMBER:

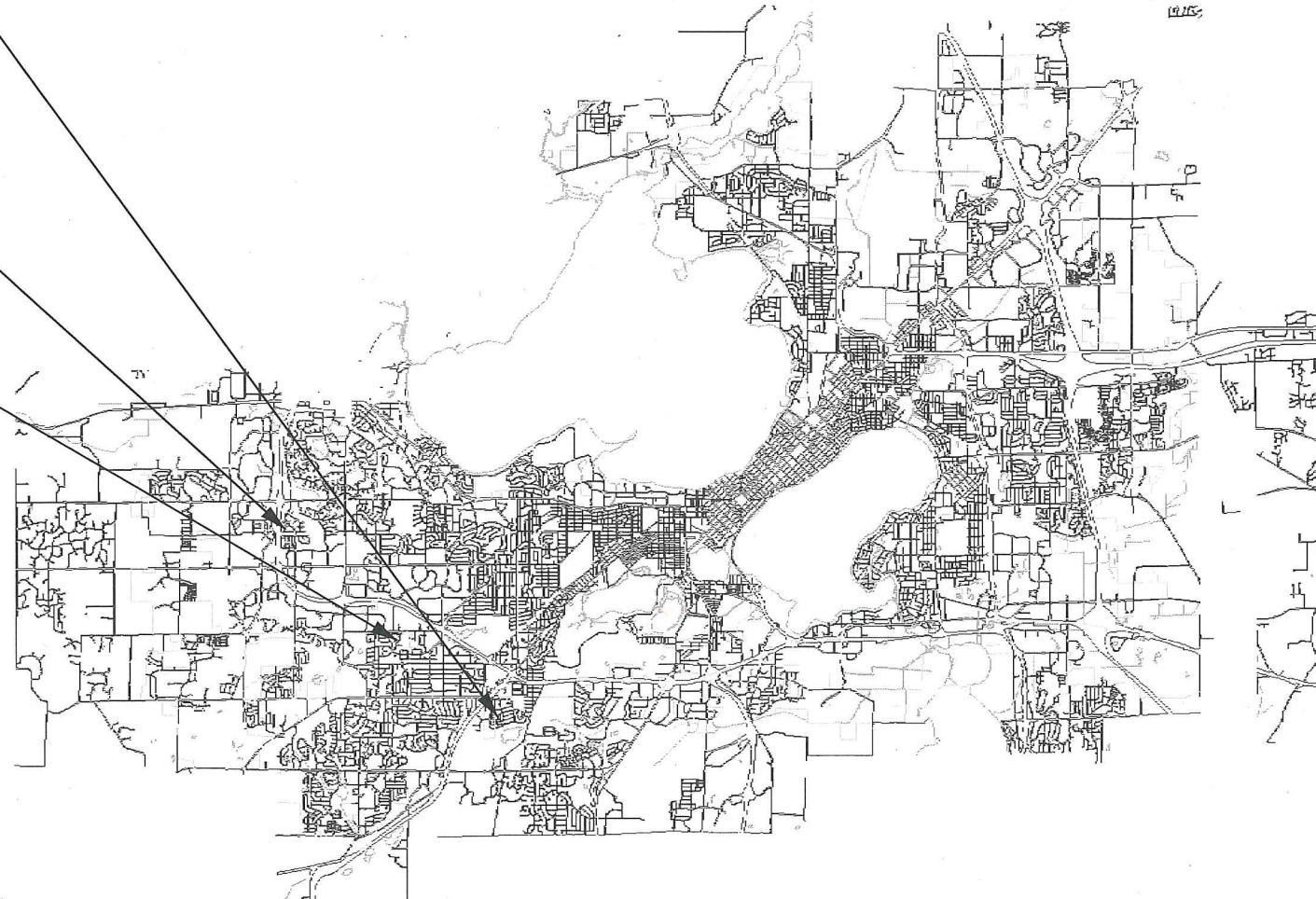
## 2017 PARKS DIVISION SUN SHELTERS INSTALLATION CONTRACT 7907

MUNIS NOs. 10543-51-140; 10617-51-140; 17319-51-140

ALLIED PARK  
2370 REVIVAL RIDGE  
MADISON, WI 53711

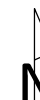
SAUK CREEK PARK  
402 N HIGH POINT RD  
MADISON, WI 53717

NORMAN CLAYTON PARK  
6401 SHOREHAM DRIVE  
MADISON, WI 53711



Graphical Scale

0 40 ft



PROJECT:  
**2017 PARKS  
DIVISION SUN  
SHELTERS  
INSTALLATION**

**ALLIED PARK  
2370 REVIVAL RIDGE  
MADISON, WI 53711**

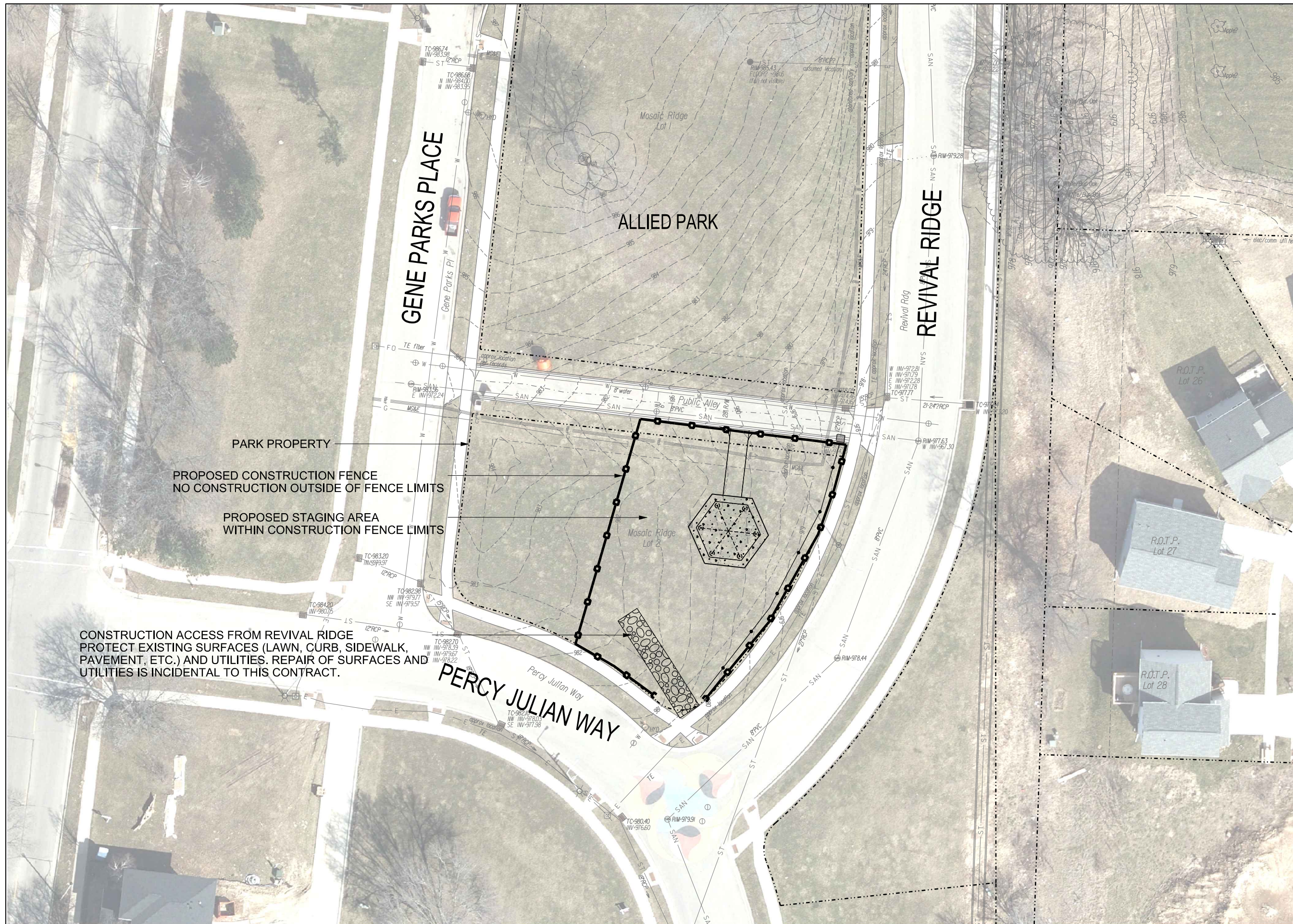
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ITEM	DATE
Drawn by: KK	02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**PROJECT LOCATION  
AND SITE ACCESS**

SHEET NUMBER:  
**1.1**



PARK PROPERTY

PROPOSED CONSTRUCTION FENCE  
NO CONSTRUCTION OUTSIDE OF FENCE LIMITS

PROPOSED STAGING AREA  
WITHIN CONSTRUCTION FENCE LIMITS

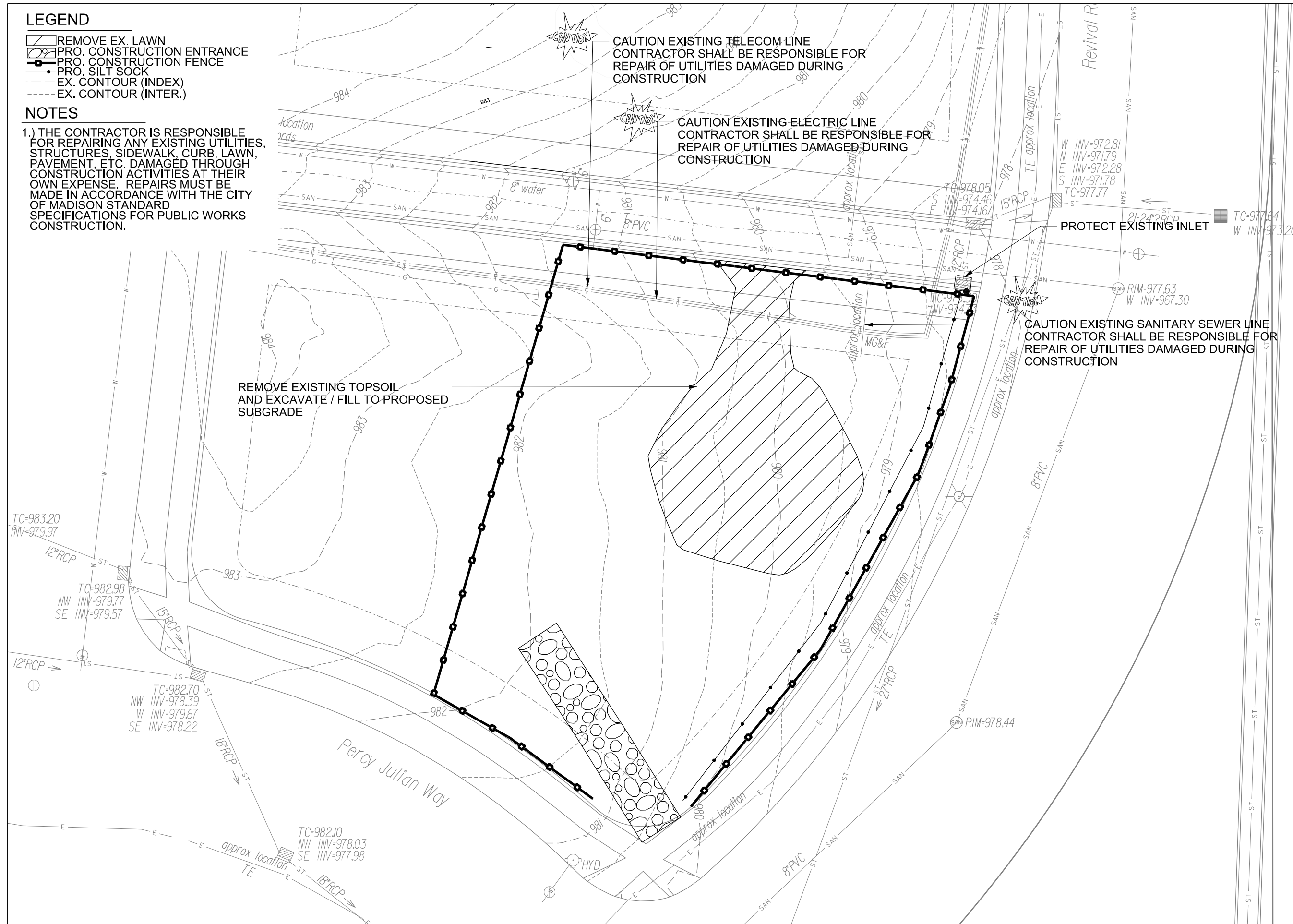
CONSTRUCTION ACCESS FROM REVIVAL RIDGE  
PROTECT EXISTING SURFACES (LAWN, CURB, SIDEWALK,  
PAVEMENT, ETC.) AND UTILITIES. REPAIR OF SURFACES AND  
UTILITIES IS INCIDENTAL TO THIS CONTRACT.

**LEGEND**

-  REMOVE EX. LAWN
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. CONSTRUCTION FENCE
-  PRO. SILT SOCK
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)

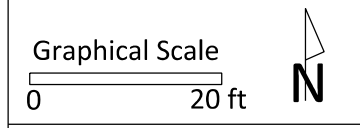
**NOTES**

1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.



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PROJECT:  
**2017 PARKS**  
**DIVISION SUN**  
**SHELTERS**  
**INSTALLATION**

**ALLIED PARK**  
**2370 REVIVAL RIDGE**  
**MADISON, WI 53711**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by:	xx-xx-xxxx
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**DEMOLITION AND**  
**PROTECTION PLAN**

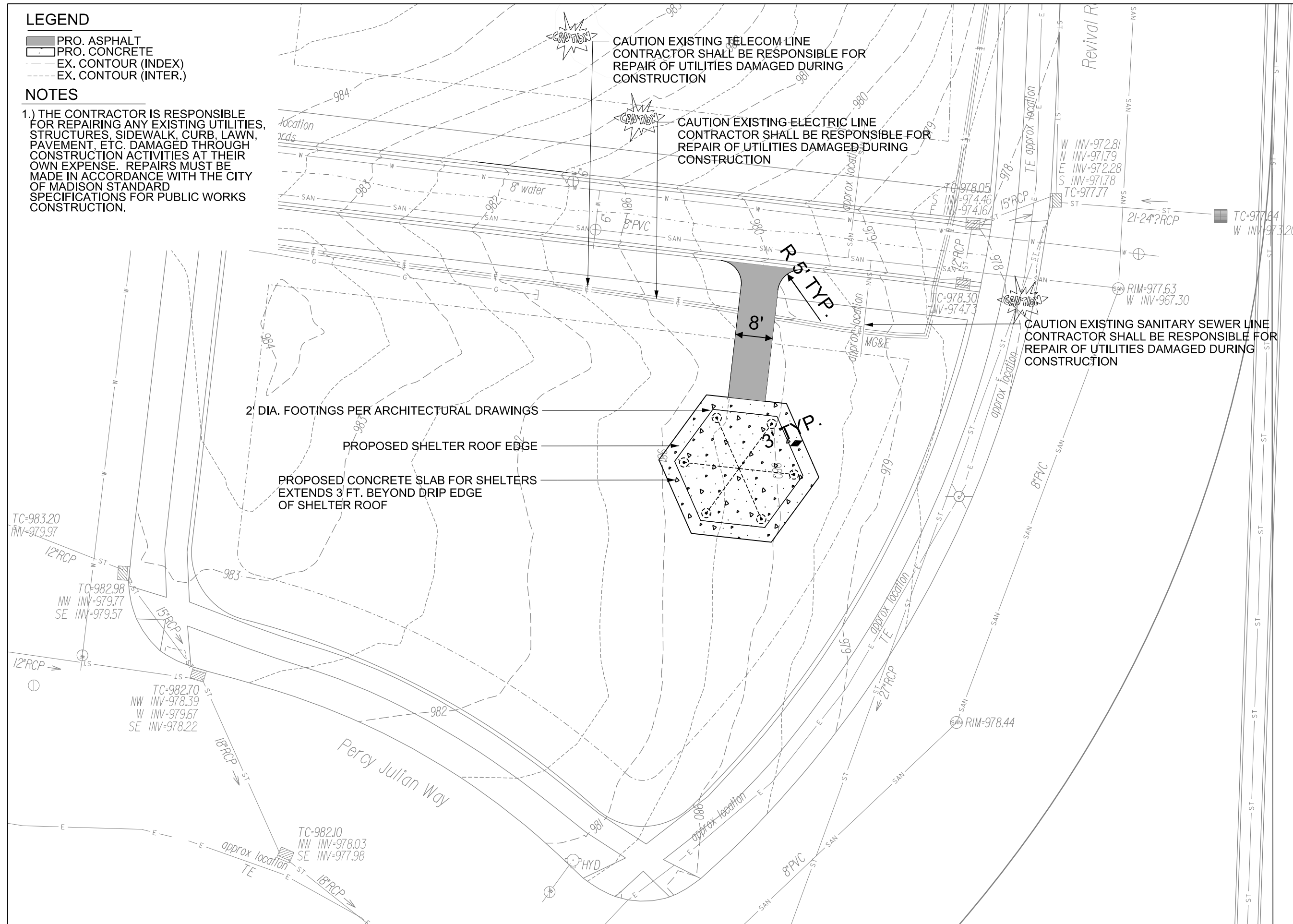
SHEET NUMBER:  
**1.2**

**LEGEND**

- PRO. ASPHALT
- PRO. CONCRETE
- - - EX. CONTOUR (INDEX)
- - - EX. CONTOUR (INTER.)

**NOTES**

1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.



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**PARKS**

Graphical Scale  
 0 20 ft



PROJECT:  
**2017 PARKS**  
**DIVISION SUN**  
**SHELTERS**  
**INSTALLATION**

**ALLIED PARK**  
**2370 REVIVAL RIDGE**  
**MADISON, WI 53711**

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ITEM	DATE
Drawn by:	xx-xx-xxxx
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**SITE PLAN**

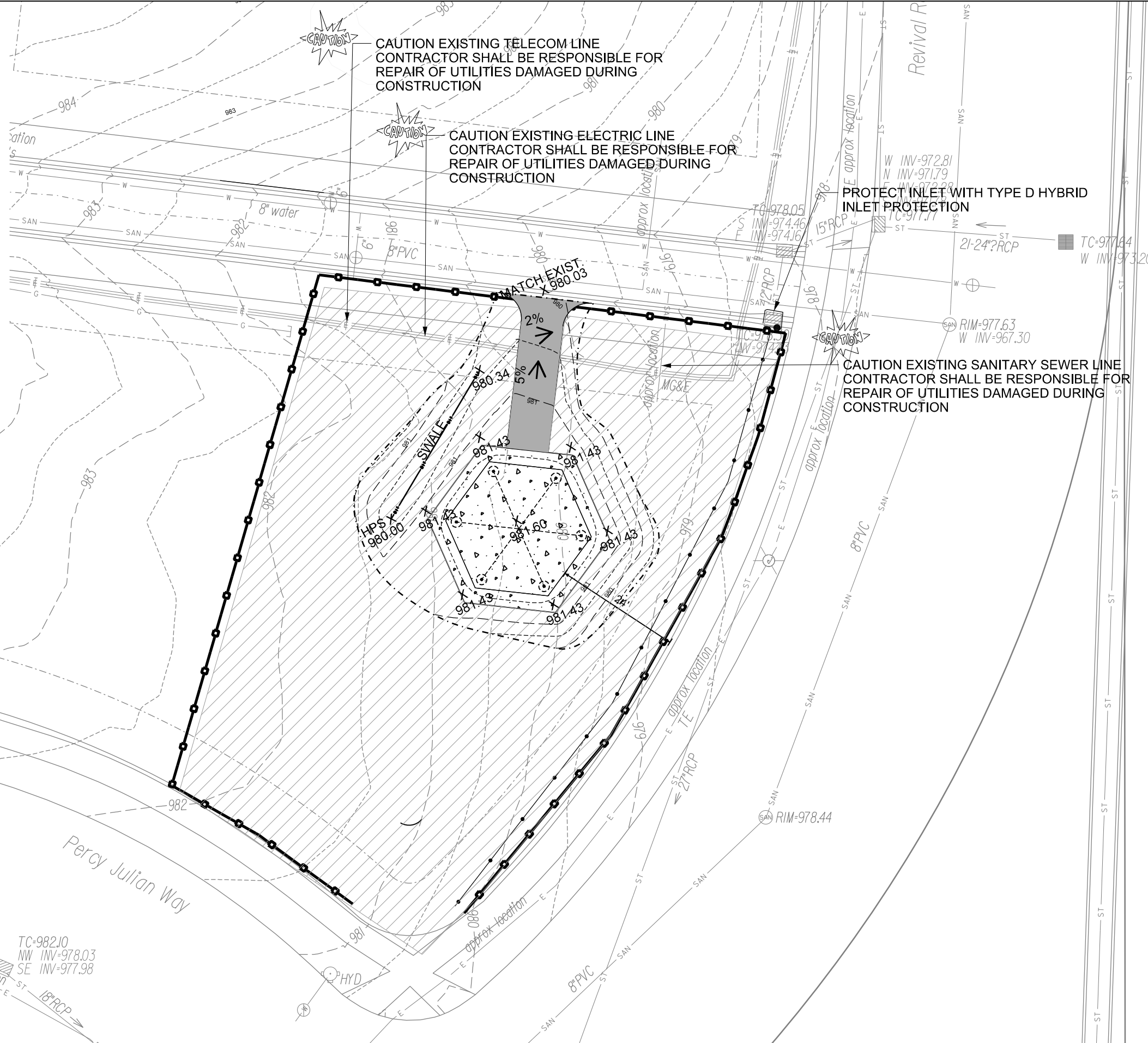
SHEET NUMBER:  
**1.3**

**LEGEND**

- X ### PRO. SPOT EL.
- 2.46% PRO. SLOPE
- PRO. ASPHALT
- PRO. CONCRETE
- PRO. EROSION MATTING
- PRO. CONSTRUCTION ENTRANCE
- PRO. DISTURBANCE LIMITS
- PRO. CONSTRUCTION FENCE
- PRO. SILT SOCK
- PRO. CONTOUR (INDEX)
- PRO. CONTOUR (INTER)
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

**NOTES**

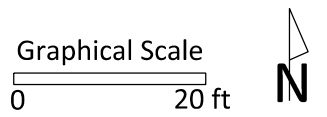
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**PARKS**



PROJECT:  
**2017 PARKS**  
**DIVISION SUN**  
**SHELTERS**  
**INSTALLATION**

**ALLIED PARK**  
**2370 REVIVAL RIDGE**  
**MADISON, WI 53711**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by: KK	02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**GRADING AND**  
**EROSION CONTROL**  
**PLAN**

SHEET NUMBER:  
**1.4**



PROJECT:  
**2017 PARKS  
 DIVISION SUN  
 SHELTERS  
 INSTALLATION**

**ALLIED PARK  
 2370 REVIVAL RIDGE  
 MADISON, WI 53711**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM \_\_\_\_\_ DATE \_\_\_\_\_  
 Drawn by: KK \_\_\_\_\_ 02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**DESIGN CALCULATIONS**

SHEET NUMBER:  
**1.5**

**Allied Park Sun Shelter Quantities**

City of Madison, WI Parks Div  
 Date Revised: 2/15/2017

**Notes:**  
 Positive volumes are cuts, negative volumes are fills.  
 3 CY subsoil to account for footing excavation has been added to subsoil excavate quantity in bid items  
 Not all parts of all surface models (Digital Terrain Models) are used for computations or intended for actual construction.

Existing: RevivalRidge\_Survey2015-07-17.dtm  
 Proposed: Pro1.dtm

Sort	Grp	Material	Item	From Surface Model	To Surface Model	area (sq ft)	depth (ft)	Unfactored volume (cu ft)	Unfactored volume (cu yd)	Expansion Factor (%)	Factored (Uncompacted) Volume (cu yd)
1.1	Grass to Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	277	0.50	138	5.1	0%	5.1
1.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	277	varies	1	0.0	0%	0.0
1.3	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	277	varies	-130	-4.8	0%	-4.8
1.4	Grass to Asphalt	Gravel (for Pavement) Place	Place 9in gravel base out to 6in from pavement edge	n/a	n/a	277	-0.75	-208	-7.7	0%	-7.7
1.5	Grass to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	245	-0.25	-61	-2.3	0%	-2.3
1.6	Grass to Asphalt	Topsoil Place	Place 3in topsoil over 6in wide gravel edge	n/a	n/a	32	-0.25	-8	-0.3	0%	-0.3
2.1	Grass to Concrete	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	841	0.50	421	15.6	0%	15.6
2.2	Grass to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-13in	841	varies	0	0.0	0%	0.0
2.3	Grass to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-13in	841	varies	-915	-33.9	0%	-33.9
2.4	Grass to Concrete	Gravel (for Pavement) Place	Place 5in gravel base out to 6in from pavement edge	n/a	n/a	841	-0.50	-421	-15.6	0%	-15.6
2.5	Grass to Concrete	Concrete Place	Place 7in concrete	n/a	n/a	792	-0.58	-462	-17.1	0%	-17.1
2.6	Grass to Concrete	Topsoil Place	Place 7in topsoil over 6in wide gravel edge	n/a	n/a	49	-0.58	-29	-1.1	0%	-1.1
3.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	1388	0.50	694	25.7	0%	25.7
3.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	1388	varies	0	0.0	0%	0.0
3.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	1388	varies	-792	-29.3	0%	-29.3
3.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	1388	-0.50	-694	-25.7	0%	-25.7

**Allied Park Shelter - Earthwork Quantities**

City of Madison, WI Parks Div  
 Date Revised: 2/17/2017

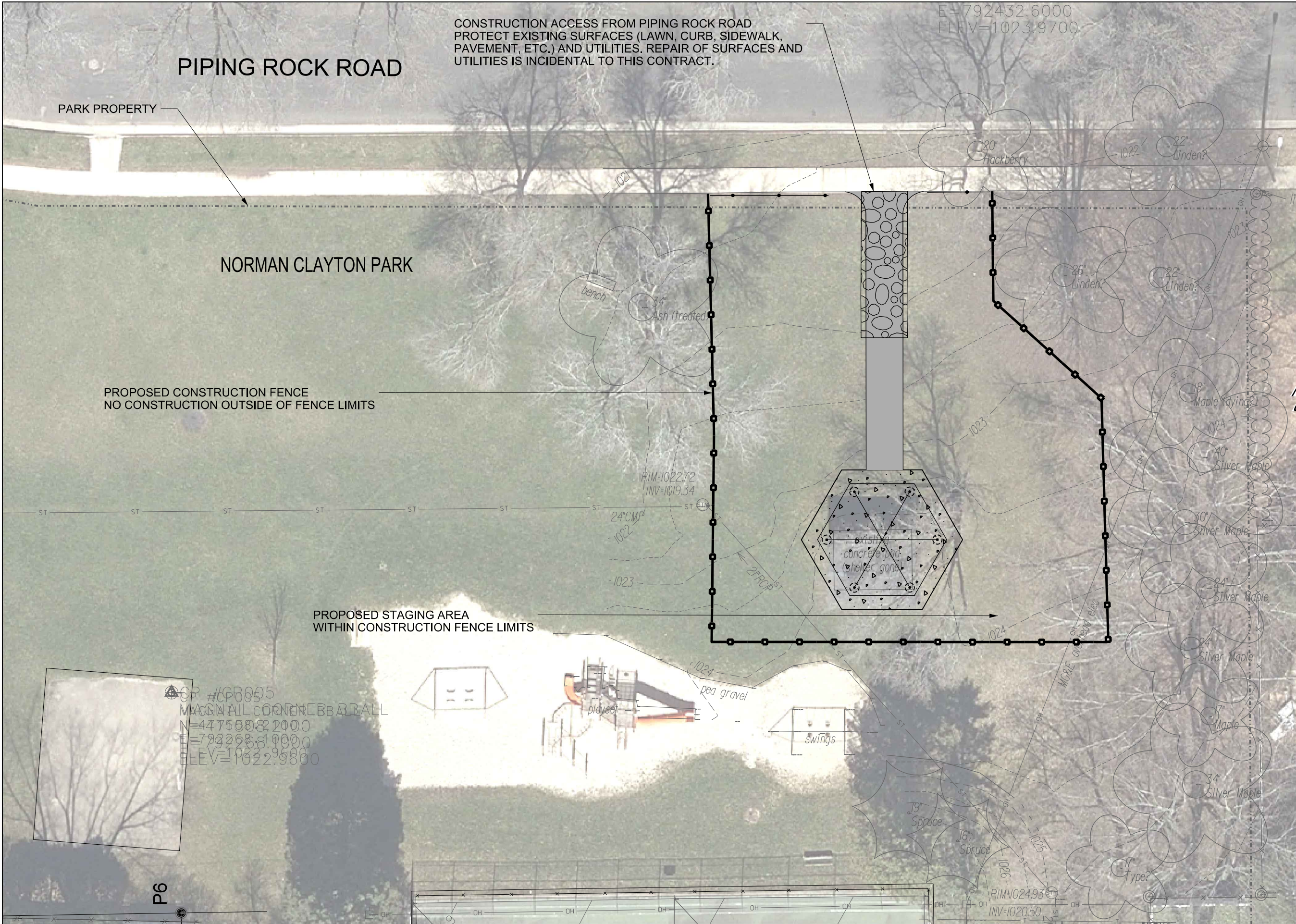
Derived from more detailed spreadsheet available from Parks Div

**Computation Summary**  
 Positive volumes are cuts (material available), negative volumes are fills (material need)

Row Labels	Sum of Factored (Uncompacted) Volume (cu yd)
Asphalt Place	-2.3
Concrete Place	-17.1
Gravel (for Pavement) Place	-23.3
Subsoil Excavate	0.0
Subsoil Place	-68.0
Topsoil Excavate	46.4
Topsoil Place	-27.1
<b>Grand Total</b>	<b>-91.3</b>

**Reorganized into bid table items**

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	46	CY	= Subsoil Excavate + Topsoil Excavate
20201 Fill	68	CY	= difference of Subsoil Place & Subsoil Excavate
20221 Topsoil	162	SY	= (Topsoil Place) * -167
40102 Crushed Aggregate Base Course Gradation No. 2	47	tons	= ( Gravel Place ) * -2 ton/cubic yard
40201 3" Depth HMA Pavement Type E-0.3	5	tons	= Asphalt Place * -2.16 ton/cubic yard



CONSTRUCTION ACCESS FROM PIPING ROCK ROAD  
 PROTECT EXISTING SURFACES (LAWN, CURB, SIDEWALK,  
 PAVEMENT, ETC.) AND UTILITIES. REPAIR OF SURFACES AND  
 UTILITIES IS INCIDENTAL TO THIS CONTRACT.

E=792432.6000  
 ELEV=1023.9700

PIPING ROCK ROAD

PARK PROPERTY

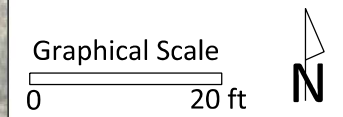
NORMAN CLAYTON PARK

PROPOSED CONSTRUCTION FENCE  
 NO CONSTRUCTION OUTSIDE OF FENCE LIMITS

PROPOSED STAGING AREA  
 WITHIN CONSTRUCTION FENCE LIMITS

City of Madison  
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**MADISON  
 PARKS**



PROJECT:  
**2017 PARKS  
 DIVISION SUN  
 SHELTERS  
 INSTALLATION**

**NORMAN CLAYTON PARK  
 6402 PIPING ROCK ROAD  
 MADISON, WI 53711**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.







ITEM	DATE
Drawn by: KK	02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**SITE PLAN**

SHEET NUMBER:  
**2.1**

**LEGEND**

-  REMOVE EX. LAWN
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. CONSTRUCTION FENCE
-  EX. PROPERTY LINE
-  PRO. SILT SOCK
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)

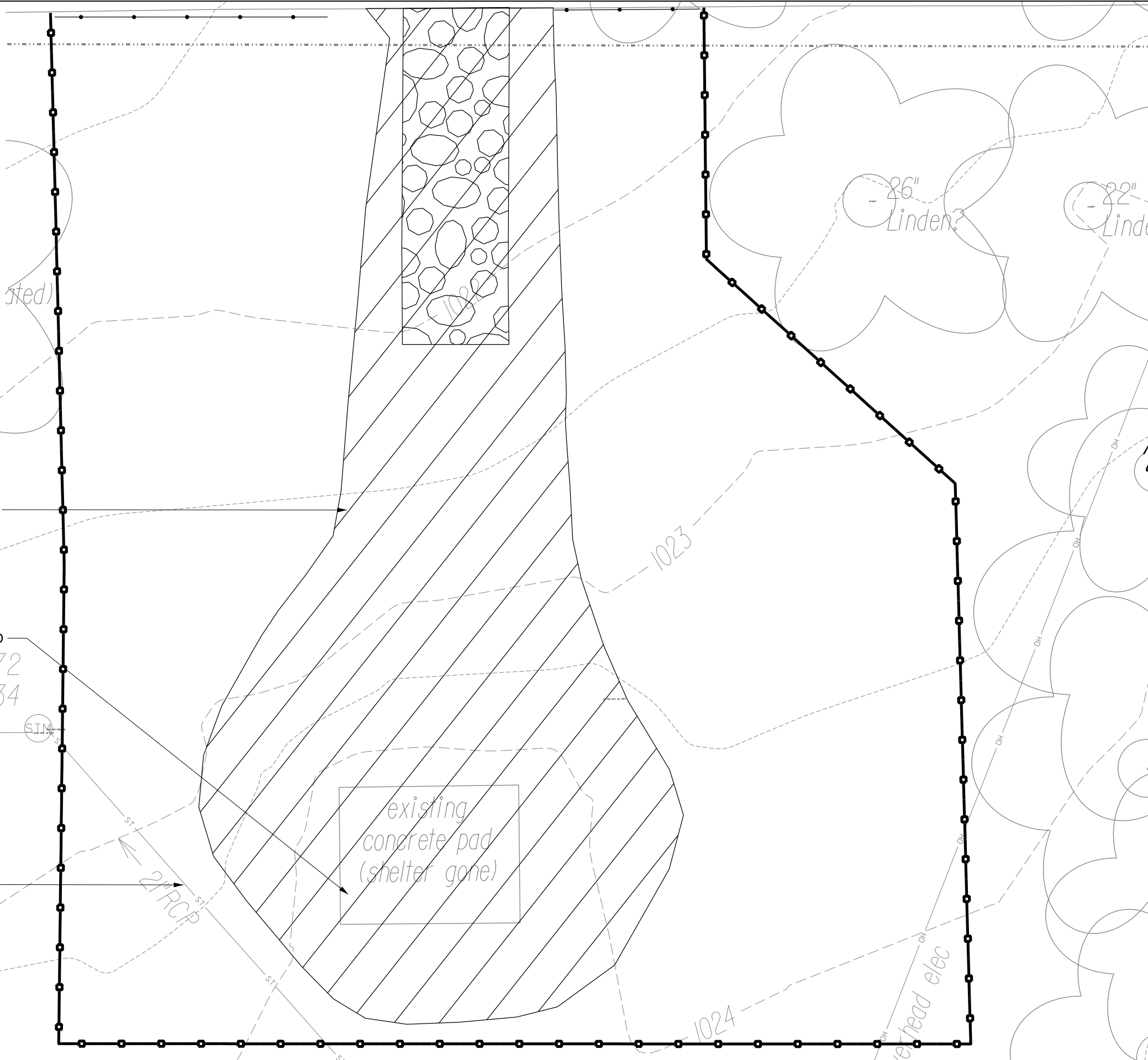
**NOTES**

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REMOVE EXISTING TOPSOIL AND EXCAVATE / FILL TO PROPOSED SUBGRADE

REMOVE EXISTING FOOTINGS AND CONCRETE PAD PER BID ITEM 20321

**CAUTION**  
 CAUTION EXISTING STORM LINES AND MANHOLE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF UTILITIES DAMAGED DURING CONSTRUCTION



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**MADISON PARKS**

Graphical Scale  
 0 10 ft



PROJECT:  
**2017 PARKS DIVISION SUN SHELTERS INSTALLATION**

**NORMAN CLAYTON PARK**  
 6402 PIPING ROCK ROAD  
 MADISON, WI 53711

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ITEM	DATE
Drawn by: KK	02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**DEMOLITION AND PROTECTION PLAN**

SHEET NUMBER:  
**2.2**



**LEGEND**

- PRO. ASPHALT
- PRO. CONCRETE
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

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*play*  
**MADISON PARKS**

Graphical Scale  
 0 10 ft **N**

PROJECT:  
**2017 PARKS DIVISION SUN SHELTERS INSTALLATION**

**NORMAN CLAYTON PARK**  
 6402 PIPING ROCK ROAD  
 MADISON, WI 53711

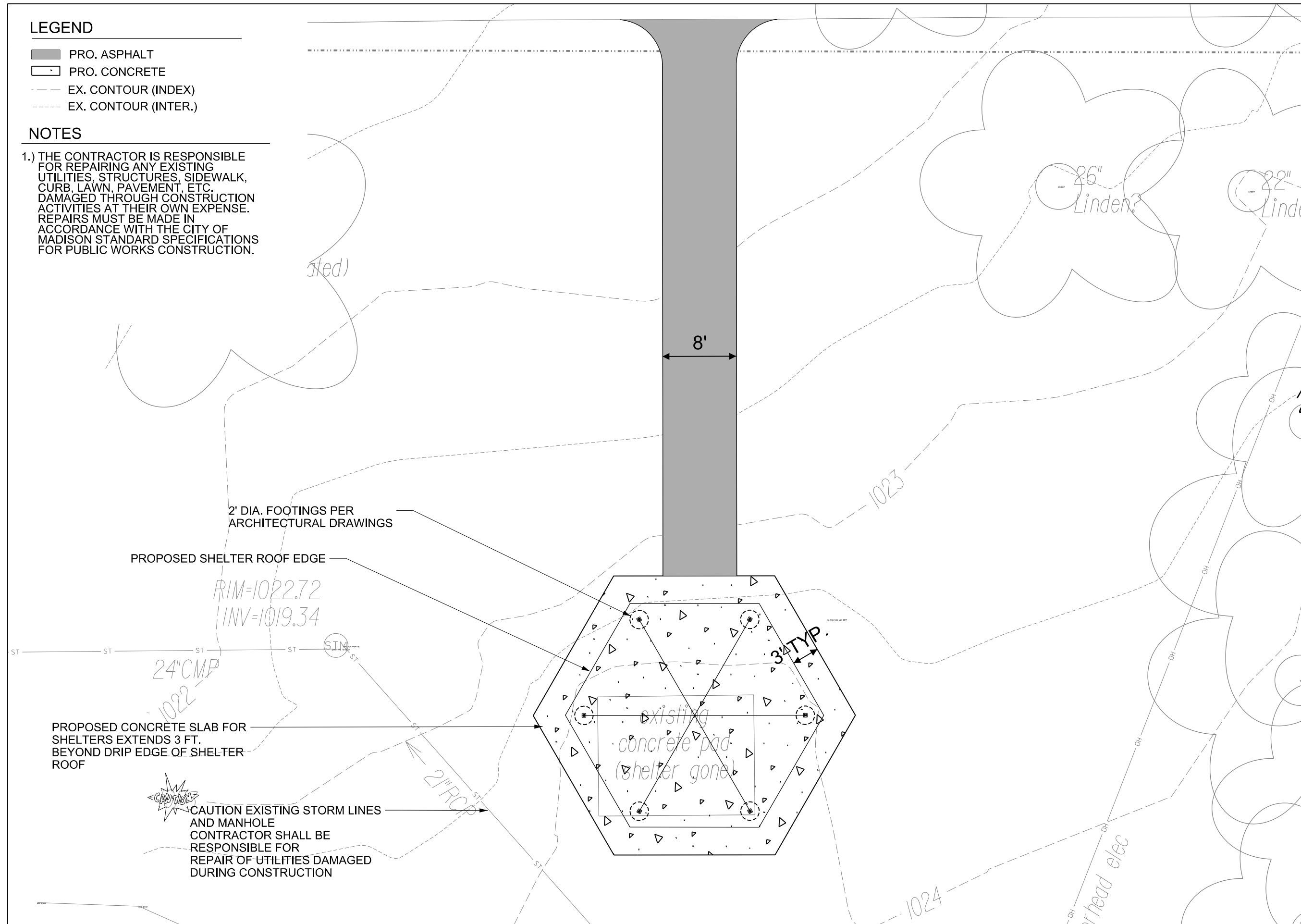
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ITEM	DATE
Drawn by: KK	02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**SITE PLAN**

SHEET NUMBER:  
**2.3**

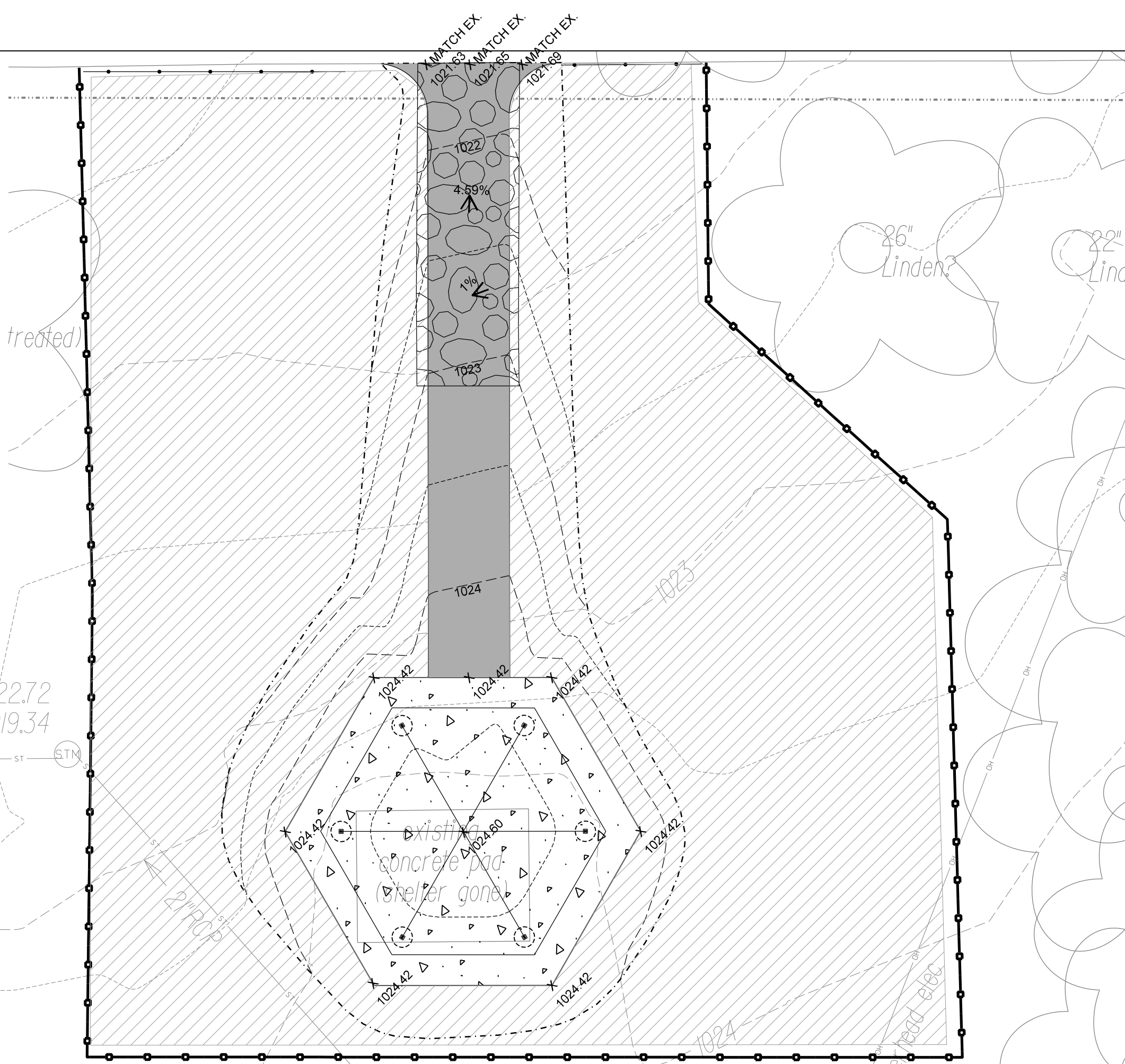


**LEGEND**

- ✦###.## PRO. SPOT EL.
- 2.46% ← PRO. SLOPE
- PRO. ASPHALT
- PRO. CONCRETE
- ▨ PRO. EROSION MATTING
- ⊗ PRO. CONSTRUCTION ENTRANCE
- - - - PRO. DISTURBANCE LIMITS
- PRO. CONSTRUCTION FENCE
- PRO. SILT SOCK
- - - - PRO. CONTOUR (INDEX)
- - - - PRO. CONTOUR (INTER)
- - - - EX. CONTOUR (INDEX)
- - - - EX. CONTOUR (INTER.)

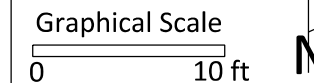
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**MADISON  
 PARKS**



PROJECT:  
**2017 PARKS  
 DIVISION SUN  
 SHELTERS  
 INSTALLATION**

**NORMAN CLAYTON PARK  
 6402 PIPING ROCK ROAD  
 MADISON, WI 53711**

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ITEM	DATE
Drawn by:	xx-xx-xxxx
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**GRADING AND  
 EROSION CONTROL  
 PLAN**

SHEET NUMBER:  
**2.4**



PROJECT:  
**2017 PARKS  
 DIVISION SUN  
 SHELTERS  
 INSTALLATION**

**NORMAN CLAYTON PARK  
 6402 PIPING ROCK ROAD  
 MADISON, WI 53711**

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ITEM DATE  
 Drawn by: KK 02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**DESIGN CALCULATIONS**

SHEET NUMBER:  
**2.5**

**Norman Clayton Park Sun Shelter Calculations**

City of Madison, WI Parks Div  
 Date Revised: 1/25/2017

**Notes:**  
 Positive volumes are cuts, negative volumes are fills.  
 Not all parts of all surface models (Digital Terrain Models) are used for computations or intended for actual construction.

Existing NormanClayton\_Survey2017-01-06.dtm  
 Proposed Pro1.dtm

Sort	Grp	Material	Item	From Surface Model	To Surface Model	area (sq ft)	depth (ft)	Unfac-tored volume (cu ft)	Unfac-tored volume (cu yd)	Expan-sion Factor (%)	Factored (Uncom-pacted) Volume (cu yd)
1.1	Grass to Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	555	0.50	278	10.3	0%	10.3
1.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	555	varies	29	1.1	0%	1.1
1.3	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	555	varies	-218	-8.1	0%	-8.1
1.4	Grass to Asphalt	Gravel (for Pavement) Place	Place 9in gravel base out to 6in from pavement edge	n/a	n/a	555	-0.75	-417	-15.4	0%	-15.4
1.5	Grass to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	493	-0.25	-123	-4.6	0%	-4.6
1.6	Grass to Asphalt	Topsoil Place	Place 3in topsoil over 6in wide gravel edge	n/a	n/a	62	-0.25	-16	-0.6	0%	-0.6
2.1	Grass to Concrete	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	622	0.50	311	11.5	0%	11.5
2.2	Grass to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-13in	622	varies	114	4.2	0%	4.2
2.3	Grass to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-13in	622	varies	-52	-1.9	0%	-1.9
2.4	Grass to Concrete	Gravel (for Pavement) Place	Place 6in gravel base out to 6in from pavement edge	n/a	n/a	622	-0.50	-311	-11.5	0%	-11.5
2.5	Grass to Concrete	Concrete Place	Place 7in concrete	n/a	n/a	573	-0.58	-334	-12.4	0%	-12.4
2.6	Grass to Concrete	Topsoil Place	Place 7in topsoil over 6in wide gravel edge	n/a	n/a	49	-0.58	-28	-1.1	0%	-1.1
3.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	1152	0.50	576	21.3	0%	21.3
3.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	1152	varies	0	0.0	0%	0.0
3.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	1152	varies	-432	-16.0	0%	-16.0
3.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	1152	-0.50	-576	-21.3	0%	-21.3
4.1	Concrete to Concrete	Concrete Excavate	Remove 6" of Ex Concrete	n/a	n/a	219	0.50	110	4.1	0%	4.1
4.2	Concrete to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-13in	219	varies	98	3.6	0%	3.6
4.3	Concrete to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-13in	219	varies	0	0.0	0%	0.0
4.4	Concrete to Concrete	Gravel (for Pavement) Place	Place 6in gravel base out to 6in from pavement edge	n/a	n/a	219	-0.50	-110	-4.1	0%	-4.1
4.5	Concrete to Concrete	Concrete Place	Place 7in concrete	n/a	n/a	196	-0.58	-114	-4.2	0%	-4.2
4.6	Concrete to Concrete	Topsoil Place	Place 7in topsoil over 6in wide gravel edge	n/a	n/a	6	-0.58	-4	-0.1	0%	-0.1

**Norman Clayton Park Shelter Calculations**

City of Madison, WI Parks Div  
 Date Revised: 1/25/2017

Derived from more detailed spreadsheet available from Parks Div

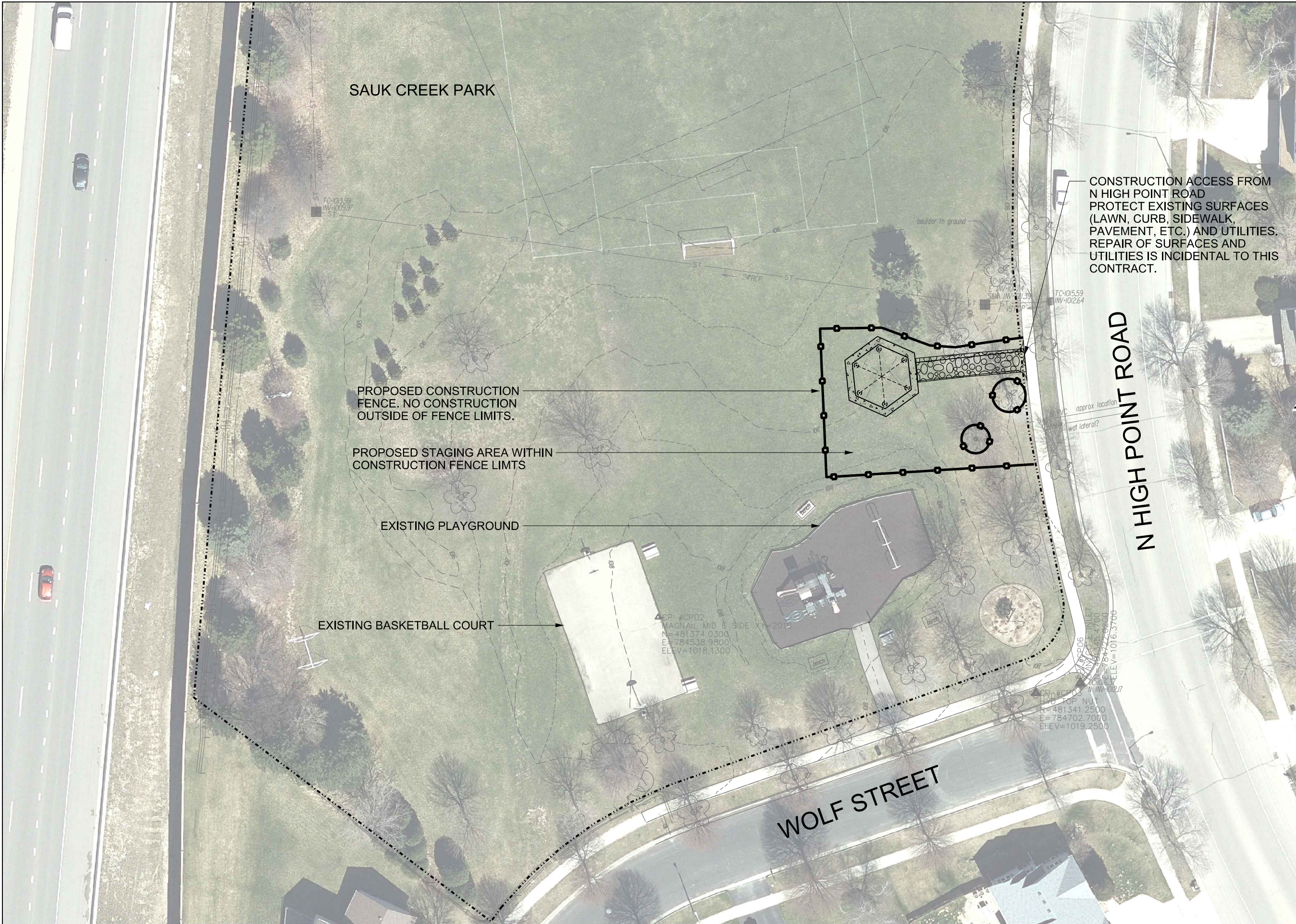
**Norman Clayton Park Sun Shelter Computation Summary**

Positive volumes are cuts (material available), negative volumes are fills (material need

Row Labels	Sum of Factored (Uncom-pacted) Volume (cu yd)
Asphalt Place	-4.6
Concrete Excavate	4.1
Concrete Place	-16.6
Gravel (for Pavement) Place	-31.0
Subsoil Excavate	8.9
Subsoil Place	-26.0
Topsoil Excavate	43.1
Topsoil Place	-23.1
<b>Grand Total</b>	<b>-45.2</b>

**Reorganized into bid table items**

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	52	CY	= Subsoil Excavate + Topsoil Excavate
20201 Fill	17	CY	= difference of Subsoil Place & Subsoil Excavate
20221 Topsoil	138	SY	= (Topsoil Place)/-.167
40102 Crushed Aggregate Base Course Gradation No. 2	62	tons	= ( Gravel Place ) * -2 ton/cubic yard
40201 3" Depth HMA Pavement Type E-0.3	10.0	tons	= Asphalt Place * -2.16 ton/cubic yard



City of Madison  
 Department of Public Works  
**PARKS DIVISION**

City-County Building, Suite 104  
 210 Martin Luther King, Jr. Blvd.  
 Madison, WI 53703

*play*  
**MADISON  
 PARKS**

Graphical Scale

0 40 ft



PROJECT:  
**2017 PARKS  
 DIVISION SUN  
 SHELTERS  
 INSTALLATION**

**SAUK CREEK PARK  
 402 N HIGH POINT ROAD  
 MADISON, WI 53717**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.









ITEM	DATE
Drawn by: KK	02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**PROJECT LOCATION  
 AND SITE ACCESS**

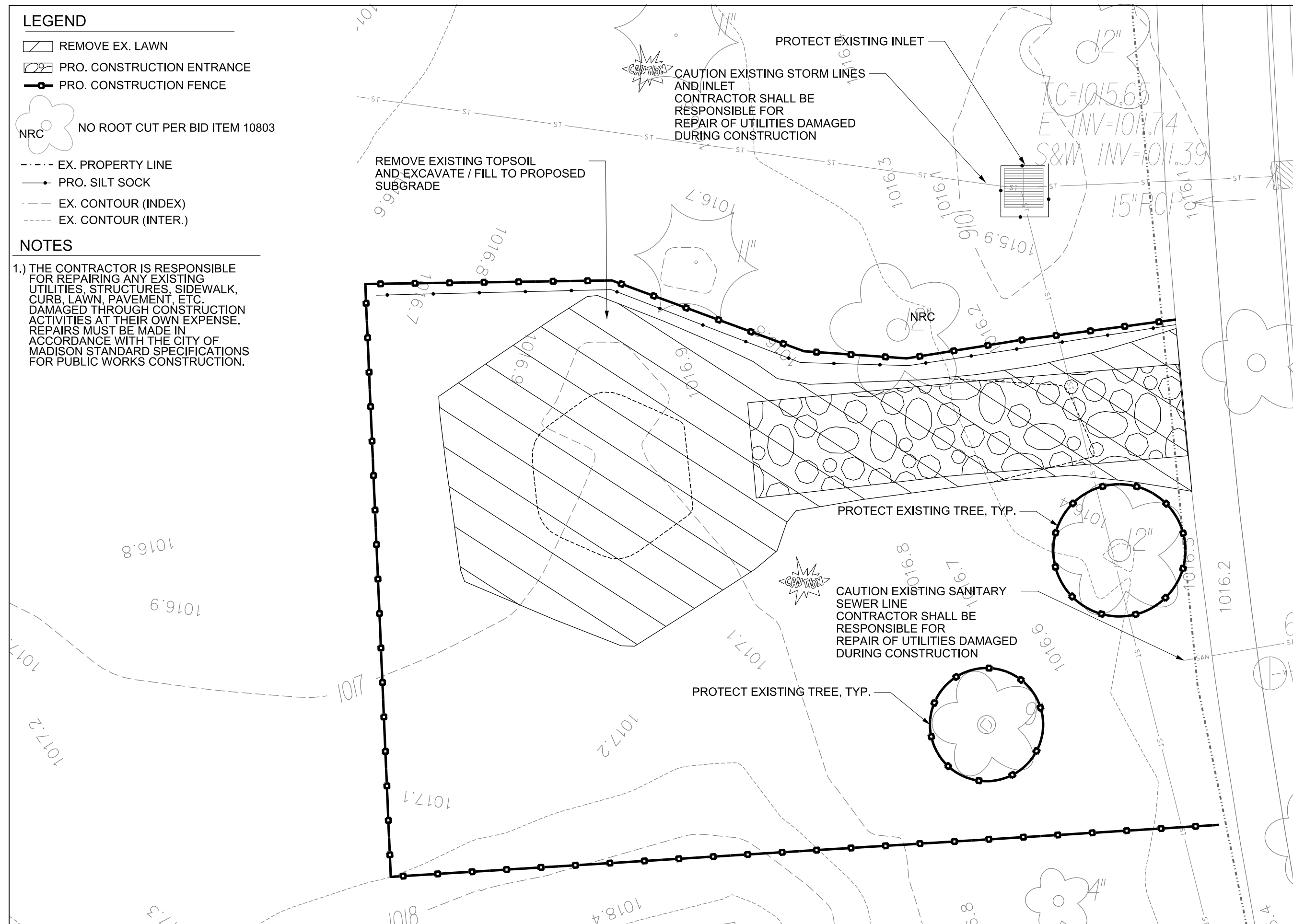
SHEET NUMBER:  
**3.1**

**LEGEND**

-  REMOVE EX. LAWN
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. CONSTRUCTION FENCE
-  NRC NO ROOT CUT PER BID ITEM 10803
-  EX. PROPERTY LINE
-  PRO. SILT SOCK
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)

**NOTES**

1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.



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**MADISON  
PARKS**

Graphical Scale

0 10 ft



PROJECT:  
**2017 PARKS  
DIVISION SUN  
SHELTERS  
INSTALLATION**

**SAUK CREEK PARK  
402 N HIGH POINT ROAD  
MADISON, WI 53717**

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ITEM	DATE
Drawn by: KK	02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**DEMOLITION AND  
PROTECTION PLAN**

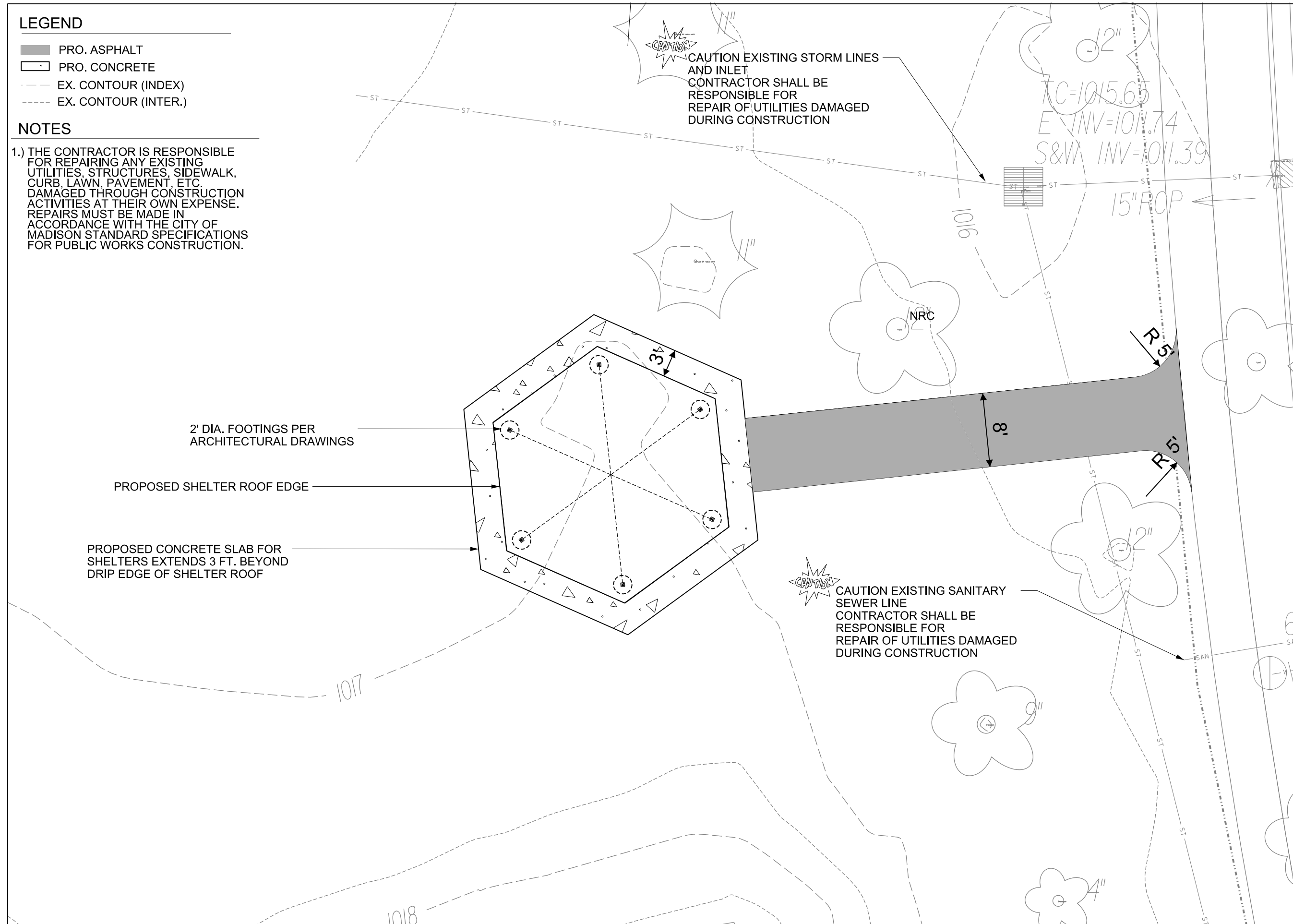
SHEET NUMBER:  
**3.2**

**LEGEND**

- PRO. ASPHALT
- PRO. CONCRETE
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

**NOTES**

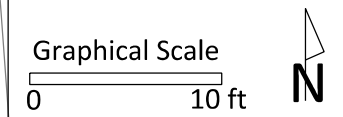
1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.



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**PARKS**



PROJECT:  
**2017 PARKS**  
**DIVISION SUN**  
**SHELTERS**  
**INSTALLATION**

**SAUK CREEK PARK**  
**402 N HIGH POINT ROAD**  
**MADISON, WI 53717**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.














ITEM	DATE
Drawn by: KK	02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**SITE PLAN**

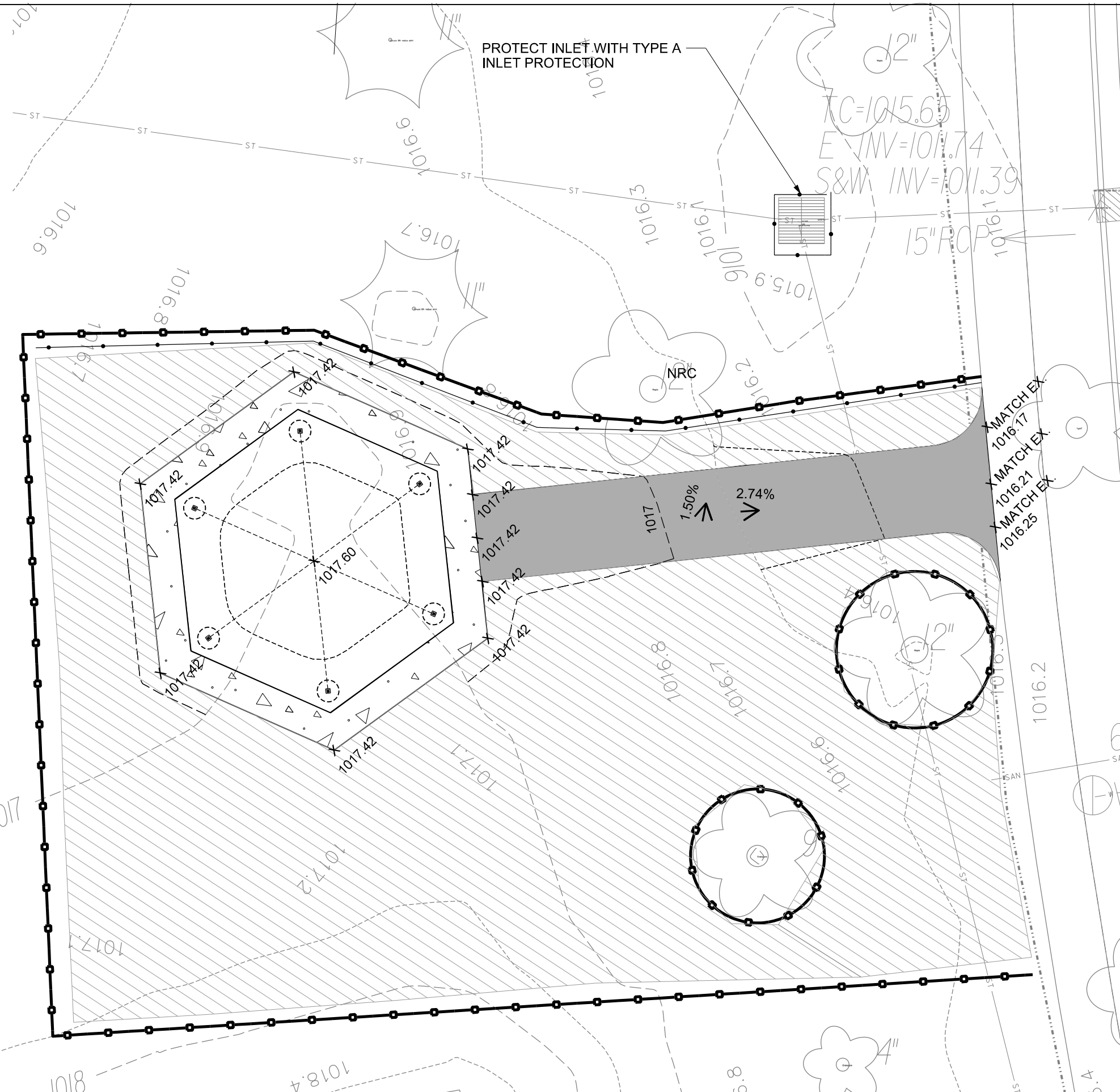
SHEET NUMBER:  
**3.3**

**LEGEND**

-  PRO. SPOT EL.
-  2.46% PRO. SLOPE
-  PRO. ASPHALT
-  PRO. CONCRETE
-  PRO. EROSION MATTING
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. DISTURBANCE LIMITS
-  PRO. CONSTRUCTION FENCE
-  PRO. SILT SOCK
-  PRO. CONTOUR (INDEX)
-  PRO. CONTOUR (INTER)
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)


**NOTES**

- 1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.



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**MADISON PARKS**

Graphical Scale  
 0 10 ft 

PROJECT:  
**2017 PARKS DIVISION SUN SHELTERS INSTALLATION**

**SAUK CREEK PARK  
 402 N HIGH POINT ROAD  
 MADISON, WI 53717**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by: KK	02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**GRADING AND EROSION CONTROL PLAN**

SHEET NUMBER:  
**3.4**



PROJECT:  
**2017 PARKS  
 DIVISION SUN  
 SHELTERS  
 INSTALLATION**

**SAUK CREEK PARK  
 402 N HIGH POINT ROAD  
 MADISON, WI 53717**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM DATE  
 Drawn by: KK 02-17-2017

PUBLIC WORKS PROJECT #:  
**7907**

SHEET TITLE:  
**DESIGN CALCULATIONS**

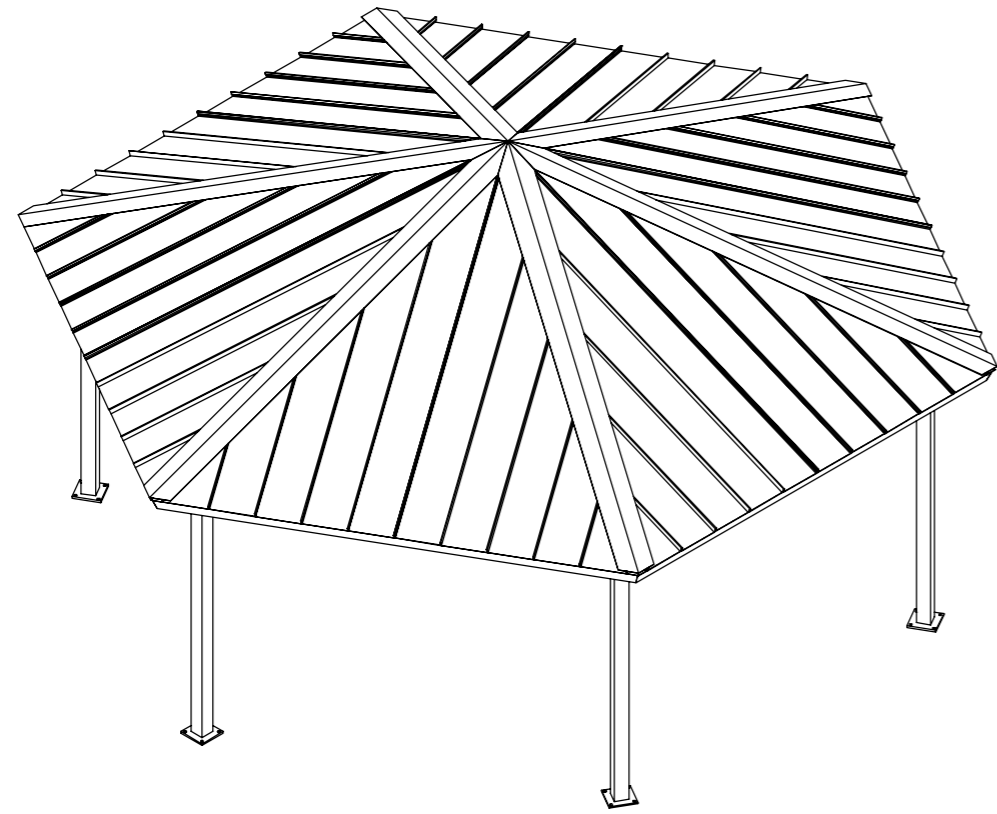
SHEET NUMBER:  
**3.5**

Sort	Grp	Material	Item	From Surface Model	To Surface Model	area (sq ft)	depth (ft)	Unfactored volume (cu ft)	Unfactored volume (cu yd)	Expansion Factor (%)	Factored (Uncompacted) Volume (cu yd)
<b>Sauk Creek Park Sun Shelter Quantities</b>											
City of Madison, WI Parks Div											
Date Revised: 1/24/2017											
<b>Notes:</b>											
Positive volumes are cuts, negative volumes are fills.											
3 CY subsoil to account for footing excavation has been added to subsoil excavate quantity in bid items											
Not all parts of all surface models (Digital Terrain Models) are used for computations or intended for actual construction.											
Existing: SaukCreek_Survey2013-10-11.dtm											
Proposed: Pro1.dtm											
1.1	Grass to Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	439	0.50	220	8.1	0%	8.1
1.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	439	varies	94	3.5	0%	3.5
1.3	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	439	varies	-1	0.0	0%	0.0
1.4	Grass to Asphalt	Gravel (for Pavement) Place	Place 9in gravel base out to 6in from pavement edge	n/a	n/a	439	-0.75	-329	-12.2	0%	-12.2
1.5	Grass to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	390	-0.25	-97	-3.6	0%	-3.6
1.6	Grass to Asphalt	Topsoil Place	Place 3in topsoil over 6in wide gravel edge	n/a	n/a	49	-0.25	-12	-0.5	0%	-0.5
2.1	Grass to Concrete	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	841	0.50	421	15.6	0%	15.6
2.2	Grass to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-13in	841	varies	110	4.1	0%	4.1
2.3	Grass to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-13in	841	varies	0	0.0	0%	0.0
2.4	Grass to Concrete	Gravel (for Pavement) Place	Place 5in gravel base out to 6in from pavement edge	n/a	n/a	841	-0.50	-421	-15.6	0%	-15.6
2.5	Grass to Concrete	Concrete Place	Place 7in concrete	n/a	n/a	792	-0.58	-462	-17.1	0%	-17.1
2.6	Grass to Concrete	Topsoil Place	Place 7in topsoil over 6in wide gravel edge	n/a	n/a	49	-0.58	-29	-1.1	0%	-1.1
3.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	357	0.50	179	6.6	0%	6.6
3.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	357	varies	0	0.0	0%	0.0
3.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	357	varies	-52	-1.9	0%	-1.9
3.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	357	-0.50	-179	-6.6	0%	-6.6

Sauk Creek Park Shelter - Earthwork Quantities	
City of Madison, WI Parks Div	
Date Revised:	1/24/2017
Derived from more detailed spreadsheet available from Parks Div	
Computation Summary	
Positive volumes are cuts (material available), negative volumes are fills (material needed)	
Row Labels	Sum of Factored (Uncompacted) Volume (cu yd)
Asphalt Place	-3.6
Concrete Place	-17.1
Gravel (for Pavement) Place	-27.8
Subsoil Excavate	7.6
Subsoil Place	-2.0
Topsoil Excavate	30.3
Topsoil Place	-8.1
<b>Grand Total</b>	<b>-20.7</b>

Reorganized into bid table items			
Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	38	CY	= Subsoil Excavate + Topsoil Excavate
20201 Fill	28	CY	= difference of Subsoil Place & Subsoil Excavate
20221 Topsoil	49	SY	= (Topsoil Place) - 167
40102 Crushed Aggregate Base Course Gradation No. 2	56	tons	= (Gravel Place) * -2 ton/cubic yard
40201 3" Depth HMA Pavement Type E-0.3	8	tons	= Asphalt Place * -2.16 ton/cubic yard

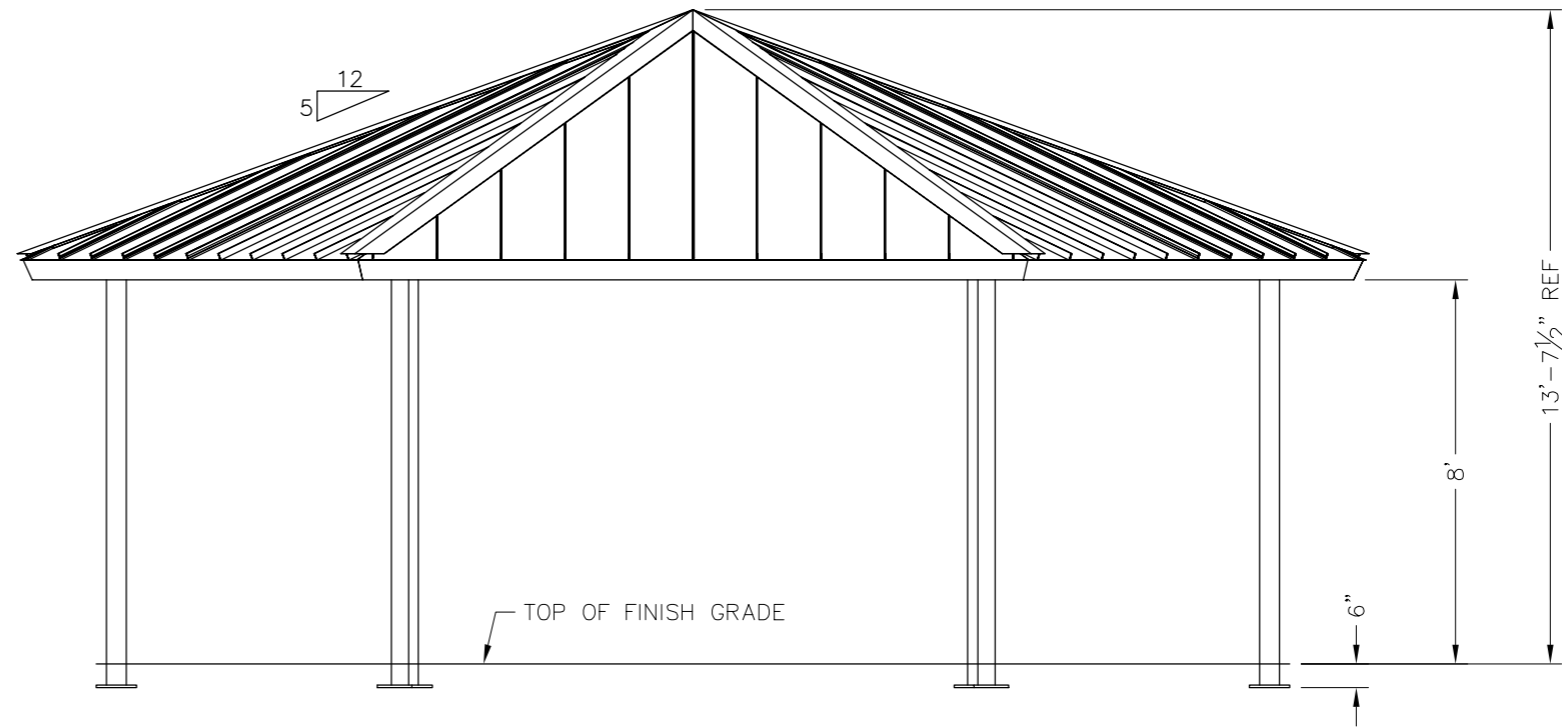




PRELIMINARY: NOT FOR CONSTRUCTION

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 HOLLAND MI, 49423  
 616.396.0919  
 800.748.0985  
 616.396.0944 FX

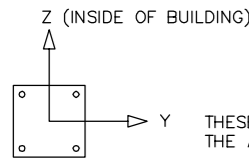
Elevation



DRAWN BY:	KC
DATE:	12/4/2015
JOB NO.:	STANDARD
REVISION:	
BUILDING TYPE:	HX28TS-P5
PROJECT NAME:	35-90-30

SHEET  
 1.0

DWG: \\iss-server02\Company\Engineering\Standards\Shelters\HX\28\TS-P5-35-90-30\Drawings\Preliminary\HX28TS-P5-35-90-30~41043.DWG

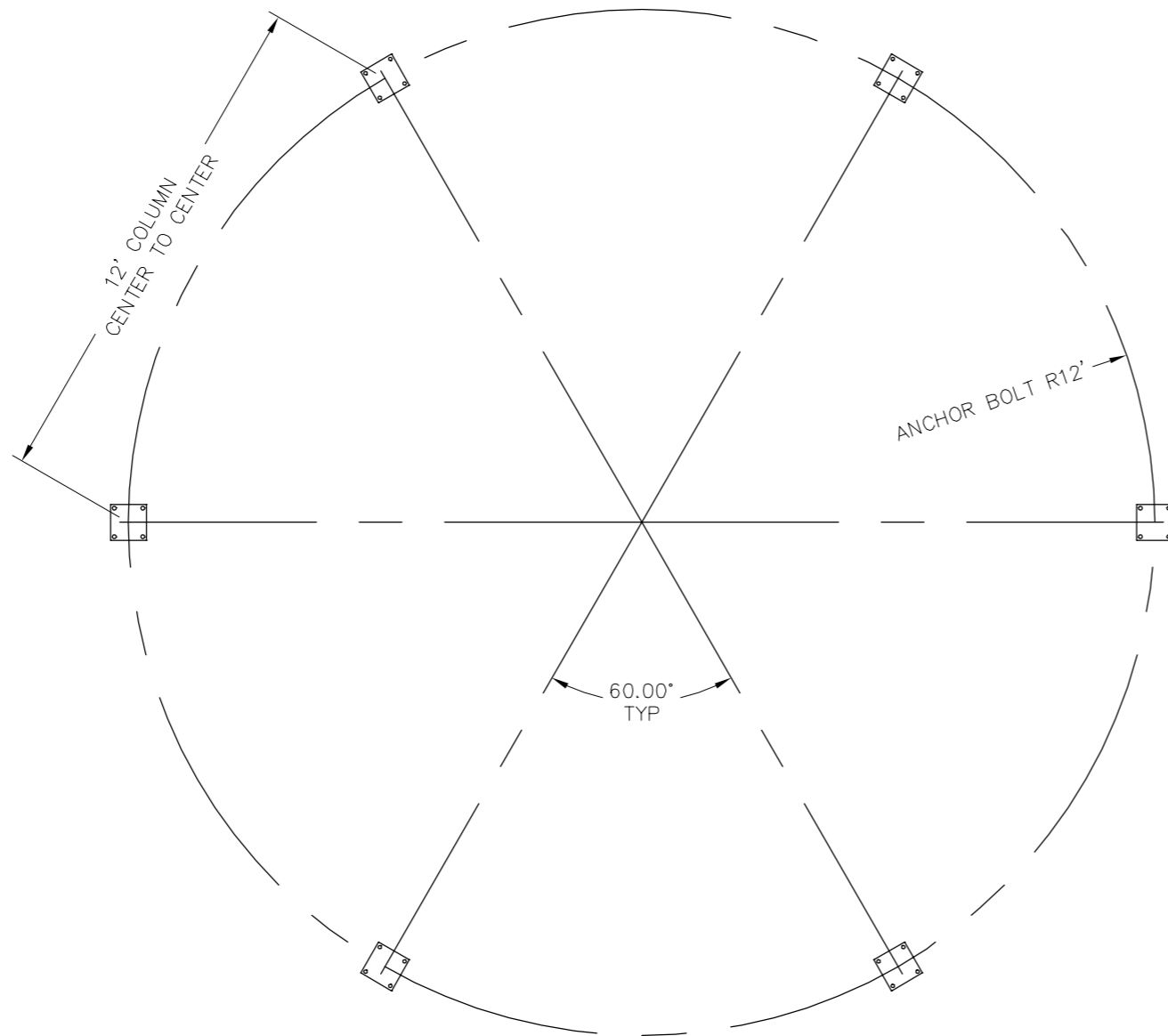


THESE FOUNDATION LOADS ARE FOR ESTIMATING PURPOSE ONLY.  
THE ACTUAL LOADS WILL BE DETERMINED IN THE FINAL ENGINEERING

- NOTES:**
- TABLE SHOWS UNFACTORED SERVICE LOADS
  - A FOUNDATION DESIGN HAS NOT BEEN PERFORMED BY ICON SHELTER SYSTEMS INC.
  - A LICENSED ENGINEER FAMILIAR WITH SOIL CONDITIONS AT CONSTRUCTION SITE MUST PERFORM A FOUNDATION DESIGN.
  - THE STRUCTURE HAS BEEN ENGINEERED AS AN OPEN STRUCTURE.
  - CONSULT ICON SHELTER SYSTEMS INC. IF THE STRUCTURE IS TO BE ENCLOSED.
  - COORDINATES ARE LOCAL TO THE COLUMN

- DEFINITIONS:**
- DL = SERVICE LEVEL DEAD LOAD REACTION WITH THE GREATEST AXIAL LOAD
  - SL = SERVICE LEVEL SNOW LOAD REACTION WITH THE GREATEST AXIAL LOAD
  - W-UL = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST UPLIFT LOAD
  - W-Y = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Y DIRECTION
  - W-Z = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST SHEAR VALUE ACTING IN THE SAME DIRECTION AS THE DL SHEAR LOAD
  - E-Y = SERVICE LEVEL SEISMIC LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Y DIRECTION
  - E-Z = SERVICE LEVEL SEISMIC LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Z DIRECTION

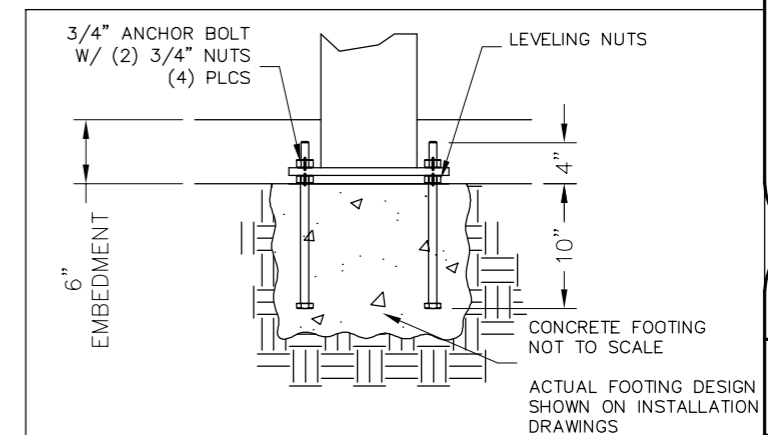
LOADS TO FOUNDATION (KIPS, IN-KIPS)	FOUNDATIONS LOADS				
	AXIAL (Fx)	SHEAR (Fy)	SHEAR (Fz)	MOMENT (My)	MOMENT (Mz)
DL	0.48	0.00	0.02	-0.89	0.00
SL	1.22	0.00	0.07	-2.77	0.00
W-UPLIFT	-0.42	0.07	-0.06	3.59	4.78
W-FY	-0.40	-0.09	-0.02	0.85	-6.05
W-FZ	-0.42	-0.04	-0.11	6.09	-3.03
E-FY	-0.02	-0.04	-0.02	1.42	-2.49
E-Z	-0.03	0.00	-0.04	2.84	0.00



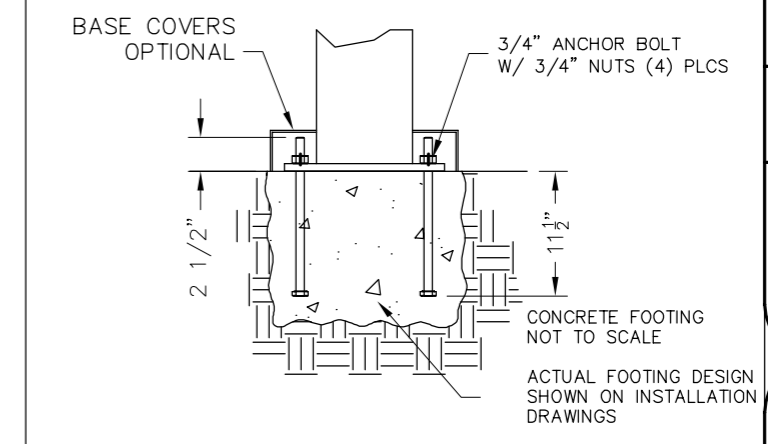
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HOLLAND MI, 49423  
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800.748.0985  
616.396.0944 FX

Anchor Bolt Layout



PRELIMINARY DRAWINGS SHOWN AS 6" BURIED  
STANDARD BASE CONNECTION  
COLUMN TYPE: A (6" BURIED)



OPTIONAL BASE CONNECTION  
COLUMN TYPE: B (SURFACE MOUNT W/ COVERS)

DRAWN BY: KC

DATE: 12/4/2015

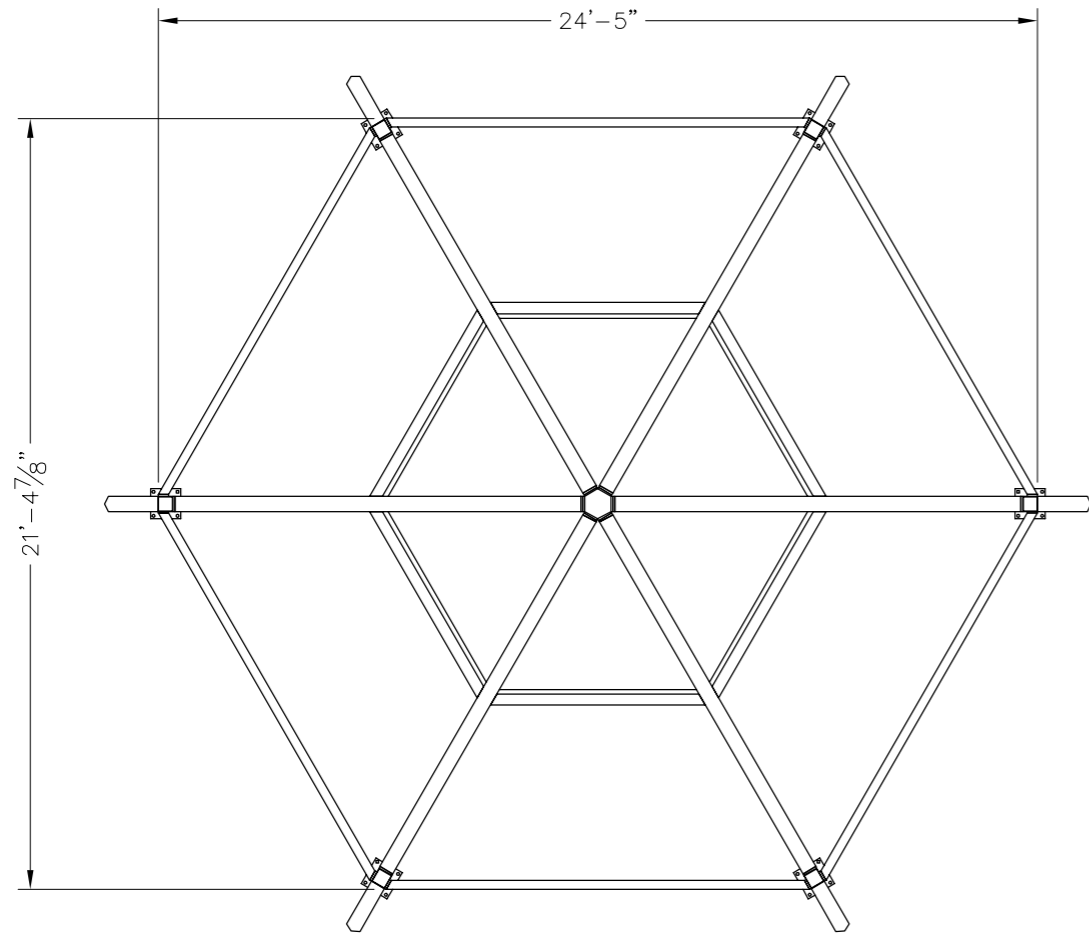
JOB NO.: STANDARD

REVISION:

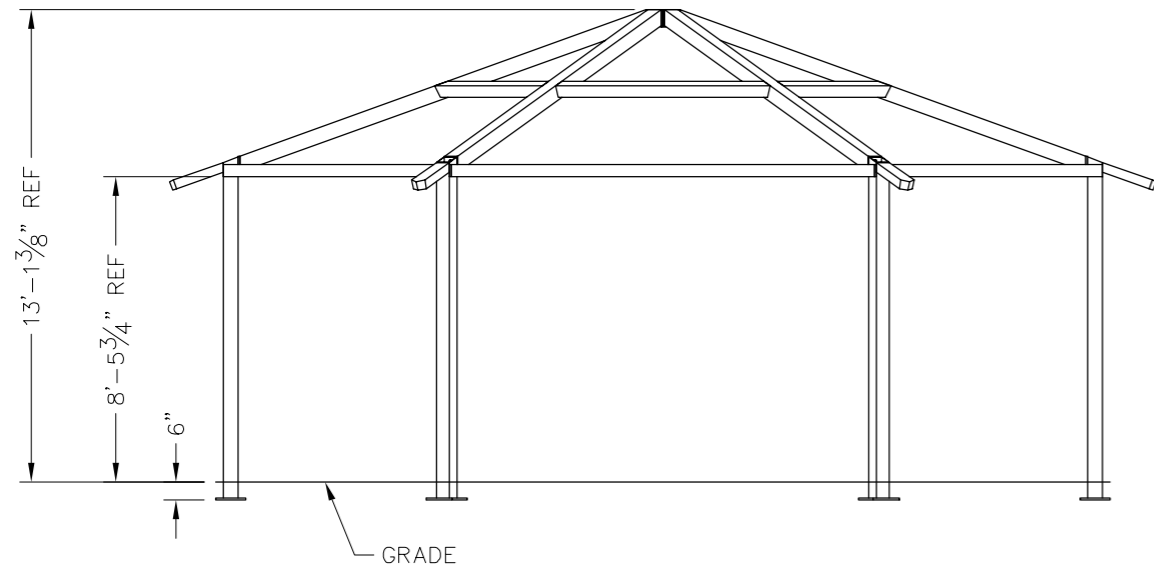
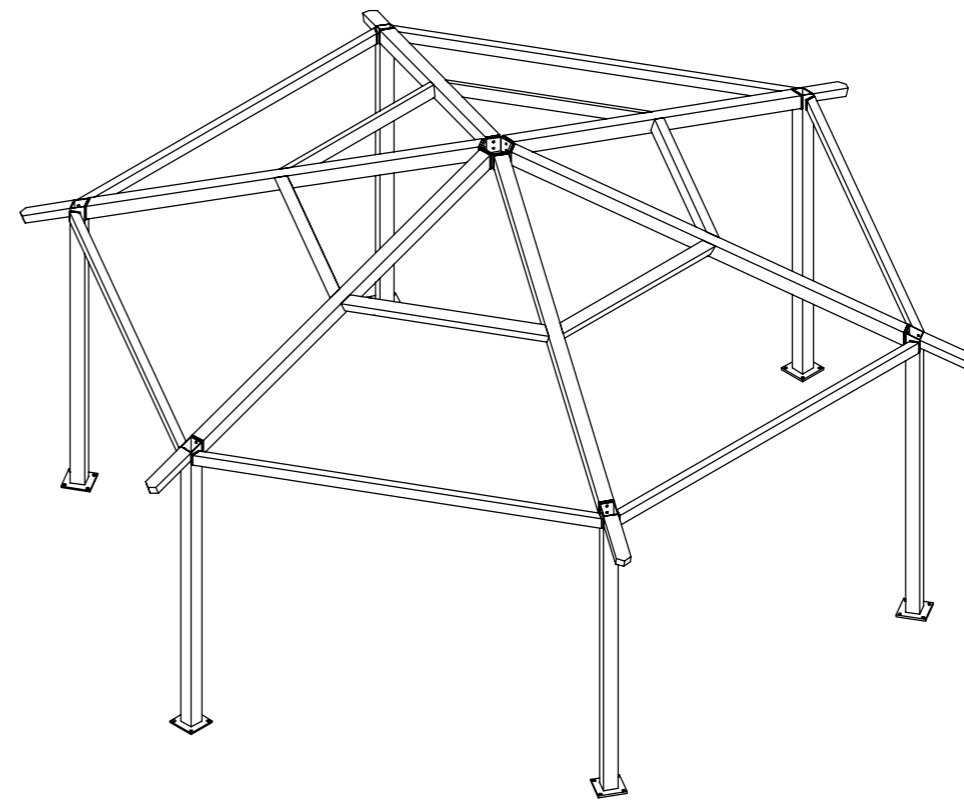
BUILDING TYPE: HX28TS-P5

PROJECT NAME: 35-90-30

SHEET  
**2.0**



PRELIMINARY: NOT FOR CONSTRUCTION



ALL STRUCTURAL COMPONENTS WILL BE:  
 TUBE: ASTM A500 GRADE B  
 PLATE: ASTM A36  
 BOLTS: ASTM A325  
 NUTS: ASTM A563  
 WELDING: GMAW

NOTE:  
 COLUMN SIZE: HSS 5x5x3/16

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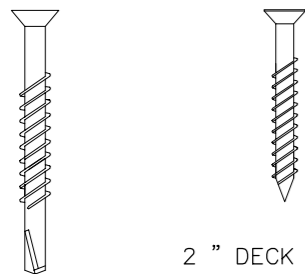
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DRAWN BY:	KC
DATE:	12/4/2015
JOB NO.:	STANDARD
REVISION:	
BUILDING TYPE:	HX28TS-P5
PROJECT NAME:	35-90-30

SHEET  
 3.0

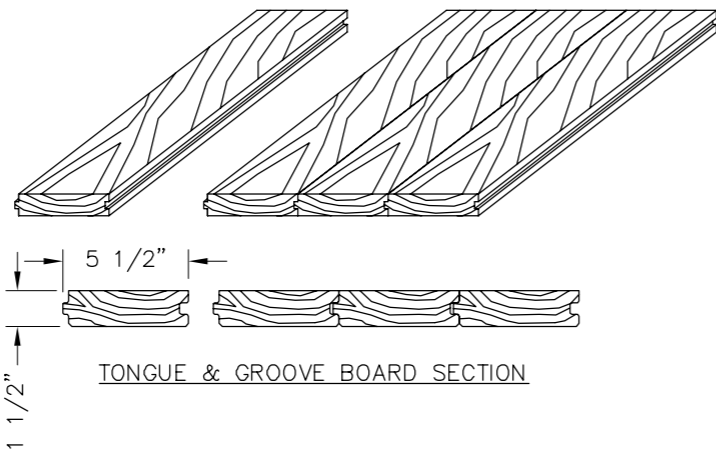
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FASTENERS



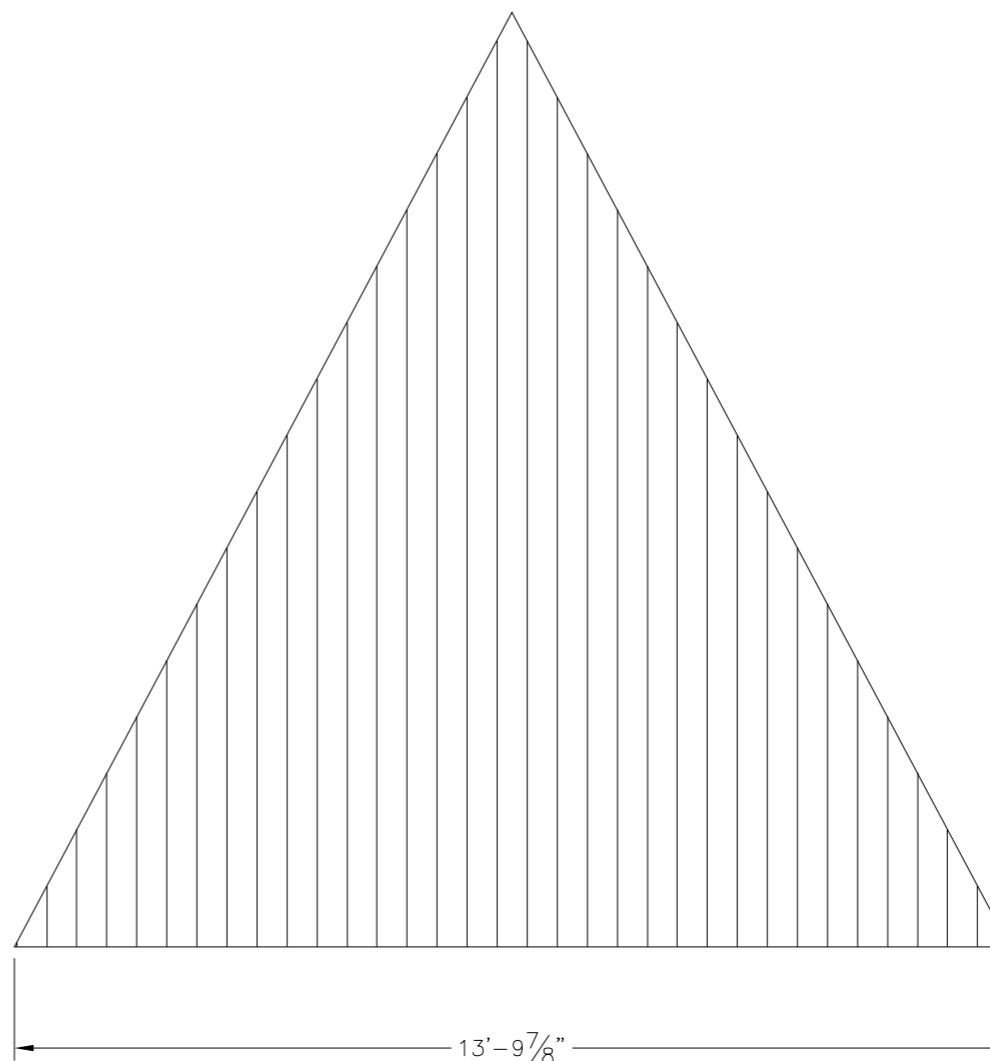
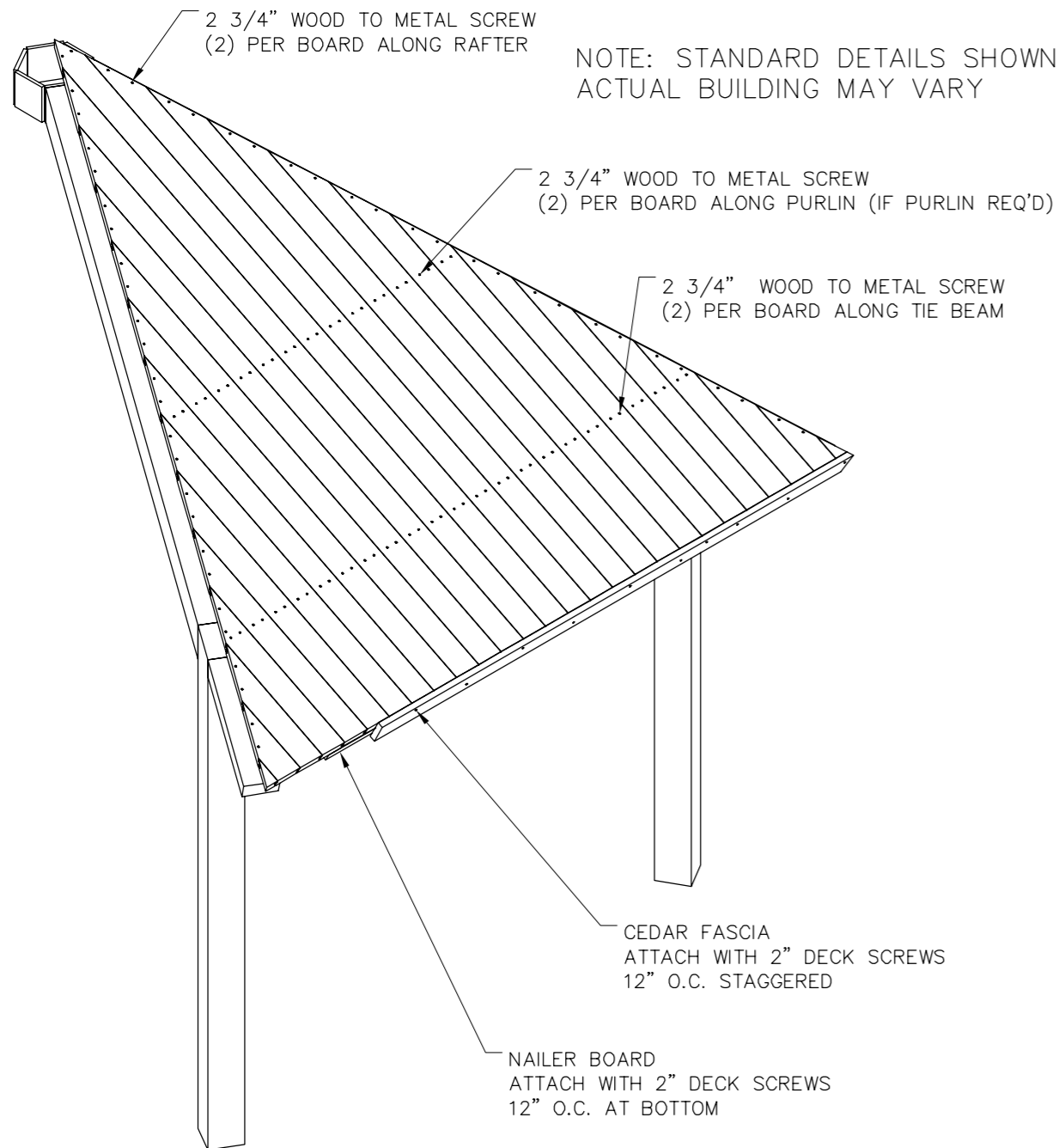
2 3/4" WOOD TO METAL SCREW

2" DECK SCREW



TONGUE & GROOVE BOARD SECTION

NOTE: STANDARD DETAILS SHOWN  
ACTUAL BUILDING MAY VARY



PRELIMINARY: NOT FOR  
CONSTRUCTION

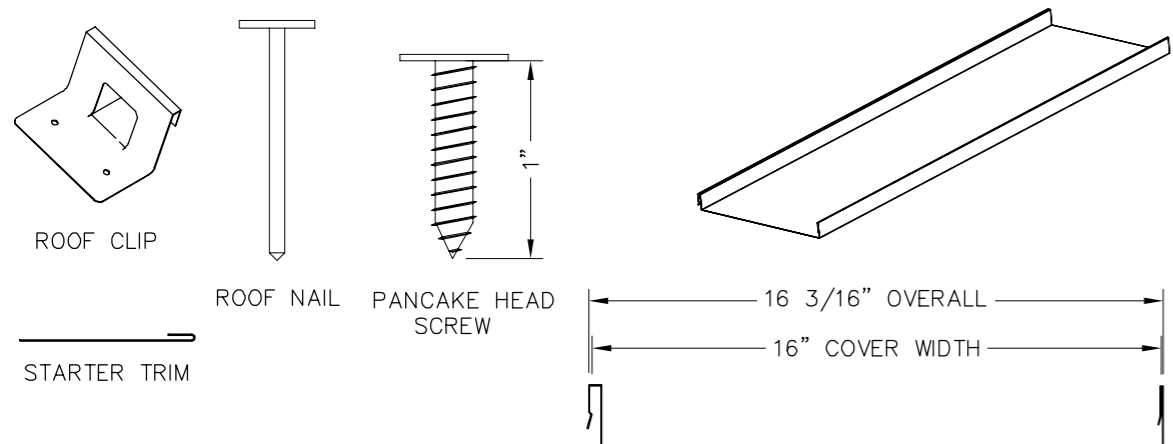
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1455 LINCOLN AVE.  
HOLLAND MI, 49423  
616.396.0919  
800.748.0985  
616.396.0944 FX

Roof Layout

DRAWN BY:	KC
DATE:	12/4/2015
JOB NO.:	STANDARD
REVISION:	
BUILDING TYPE:	HX28TS-P5
PROJECT NAME:	35-90-30

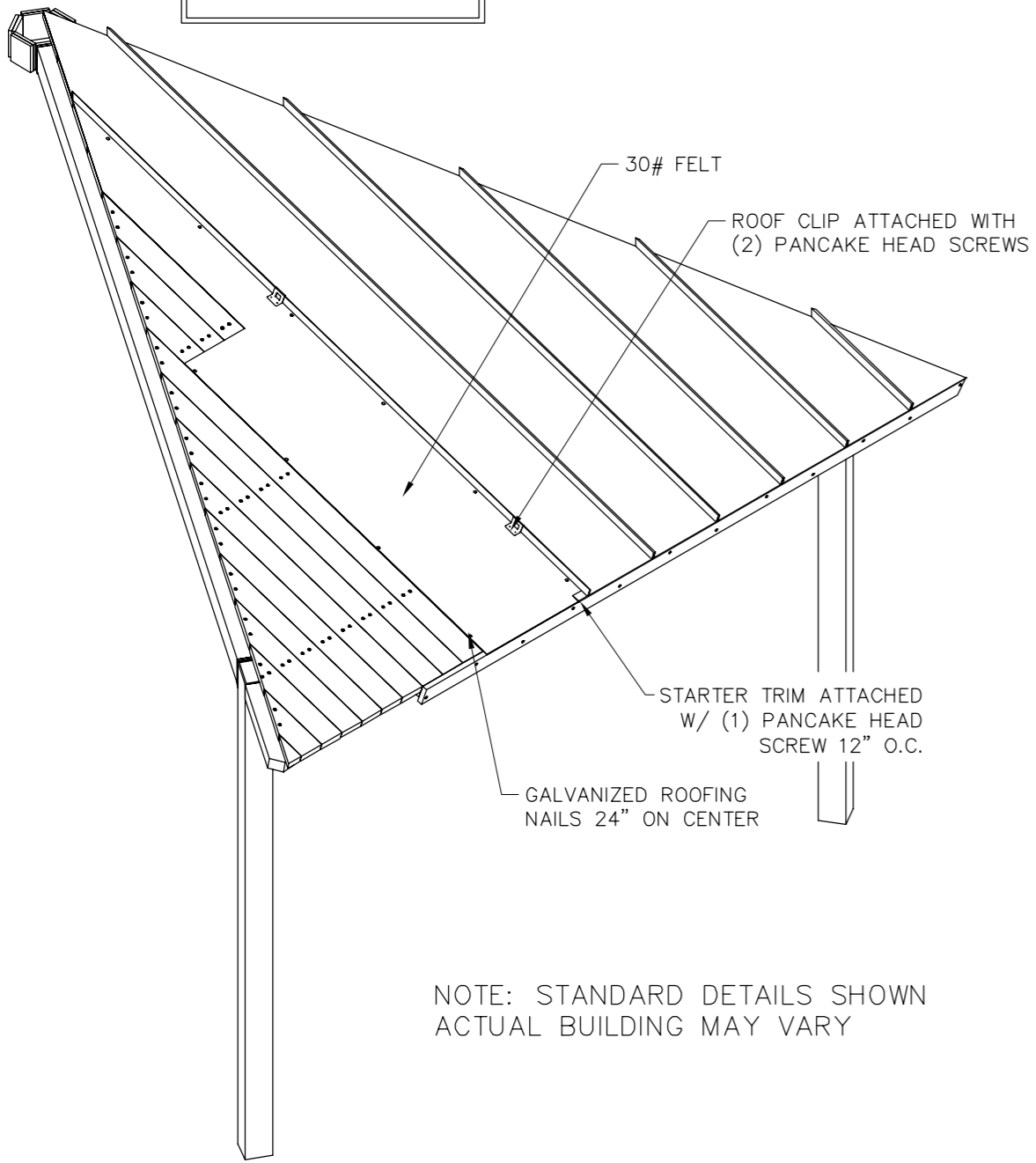
SHEET  
4.0

DWG: \\iss-server02\Company\Engineering\Standards\Shelters\HX\28\TS-P5-35-90-30\Drawings\Preliminary\HX28TS-P5-35-90-30~41043.DWG



**\*\*INSTALLER TO FIELD CUT ALL ROOF PANELS\*\***

STANDING SEAM PANEL SECTION

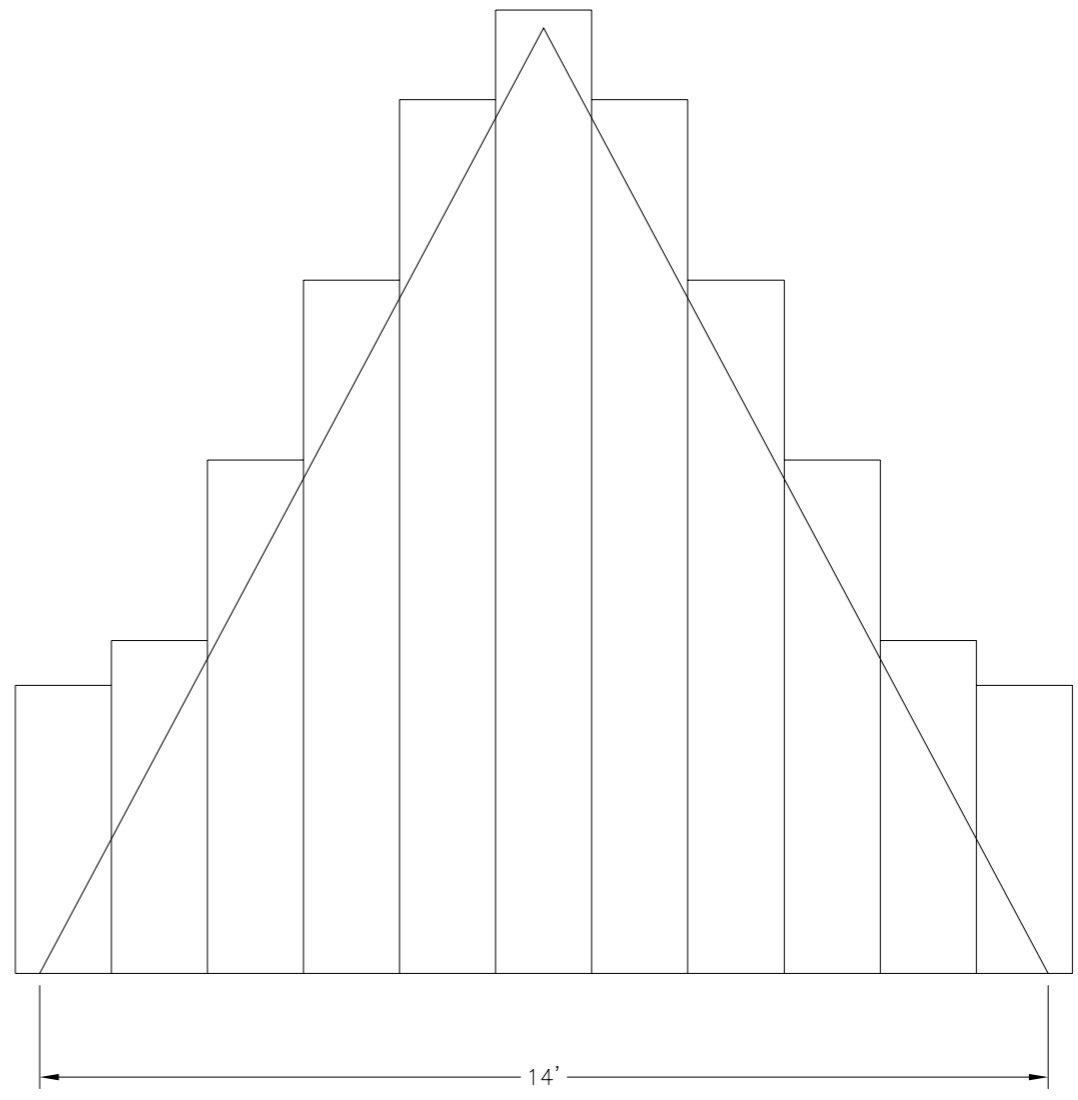


NOTE: STANDARD DETAILS SHOWN  
ACTUAL BUILDING MAY VARY

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Roof Layout



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DWG: \\iss-server02\Company\Engineering\Standards\Shelters\HX\28\TS-P5-35-90-30\Drawings\Preliminary\HX28TS-P5-35-90-30~41043.DWG