

PENN PARK PARKING LOT AND SITE IMPROVEMENTS

CONTRACT #: 7933
MUNIS #: 17137 -51 -130

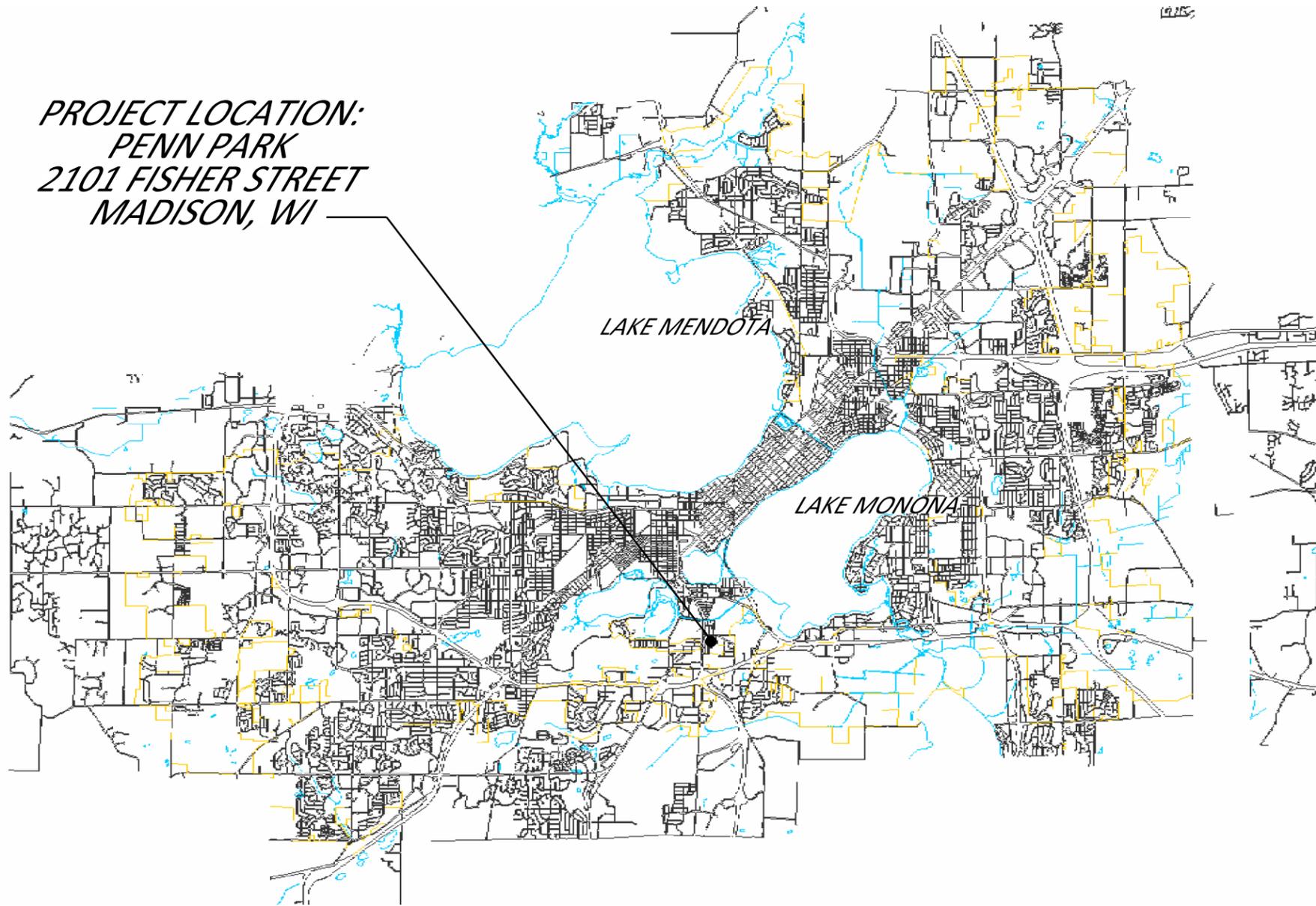
SHEET SCHEDULE

- L100 PROJECT LOCATION AND SITE ACCESS
- L200 CONSTRUCTION SEQUENCING PLAN
- L201 CONTRACT 7917 EXTENT OF WORK -FOR REFERENCE ONLY
- C101 CONTRACT 7917 BUILDING UTILITY WORK - FOR REFERENCE ONLY
- L202 SITE ACCESS AND EROSION CONTROL PLAN
- L300 DEMOLITION AND PROTECTION PLAN
- L400 SITE LAYOUT PLAN
- L401 PARKING LOT LAYOUT PLAN
- L402 SIGNAGE PLAN

- L500 SITE GRADING PLAN
- L501 PARKING LOT GRADING PLAN
- L502 EARTHWORK COMPUTATIONS
- L600 SITE RESTORATION PLAN
- L700 SITE DETAILS
- U100 UTILITY SITE PLAN
- U101 BIORETENTION DETAIL

- L800 ADD ALTERNATE ASPHALT PATH
- L801 ADD ALTERNATE - LAYOUT AND GRADING (NORTH)
- L802 ADD ALTERNATE - LAYOUT AND GRADING (SOUTH)
- L803 ADD ALTERNATE - VERTICAL ALIGNMENT
- L804 ADD ALTERNATE - VERTICAL ALIGNMENT
- L805 ADD ALTERNATE - TYPICAL PATH SECTION

*PROJECT LOCATION:
PENN PARK
2101 FISHER STREET
MADISON, WI*



City of Madison
Department of Public Works
PARKS DIVISION
City-County Building, Suite 104
210 Martin Luther King, Jr. Blvd.
Madison, WI 53701



PROJECT:
*PENN PARK
PARKING LOT AND SITE
IMPROVEMENTS*

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MADISON, WI*

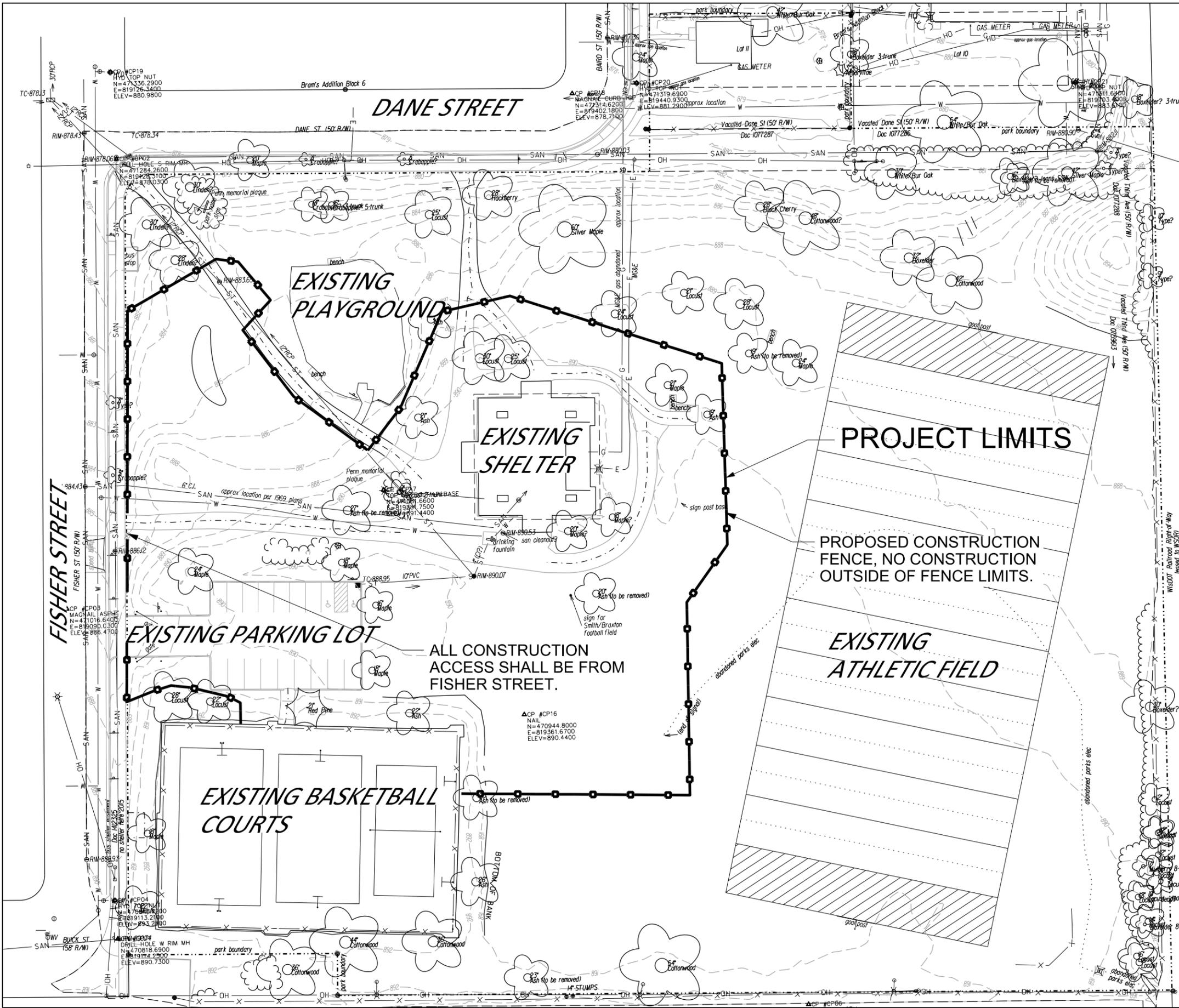
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ITEM	DATE
Drawn by: MS	04-06-2017

PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:

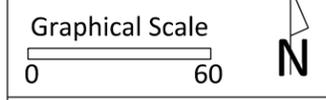
SHEET NUMBER:



- LEGEND**
- - - - EX. PARK BOUNDARY
 - - - - EX. CONTOUR (INDEX)
 - - - - EX. CONTOUR (INTER)
 - X - EX. FENCE
 - X - EX. VEGETATION
 - - - - EX. EASEMENT
 - - - - EX. RIGHT OF WAY
 - SAN - EX. SANITARY SEWER
 - W - EX. WATER LINE
 - E - EX. ELECTRIC
 - T - EX. TELEPHONE
 - OH - EX. OVERHEAD
 - G - EX. GAS
 - EX. PROPERTY IRON

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PROJECT:
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Drawn by: MS	04-06-2017

PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
PROJECT
LOCATION AND
SITE ACCESS

SHEET NUMBER:
L100



PROJECT:
**PENN PARK
PARKING LOT AND SITE
IMPROVEMENTS**

**PENN PARK
2101 FISHER STREET
MADISON, WI**

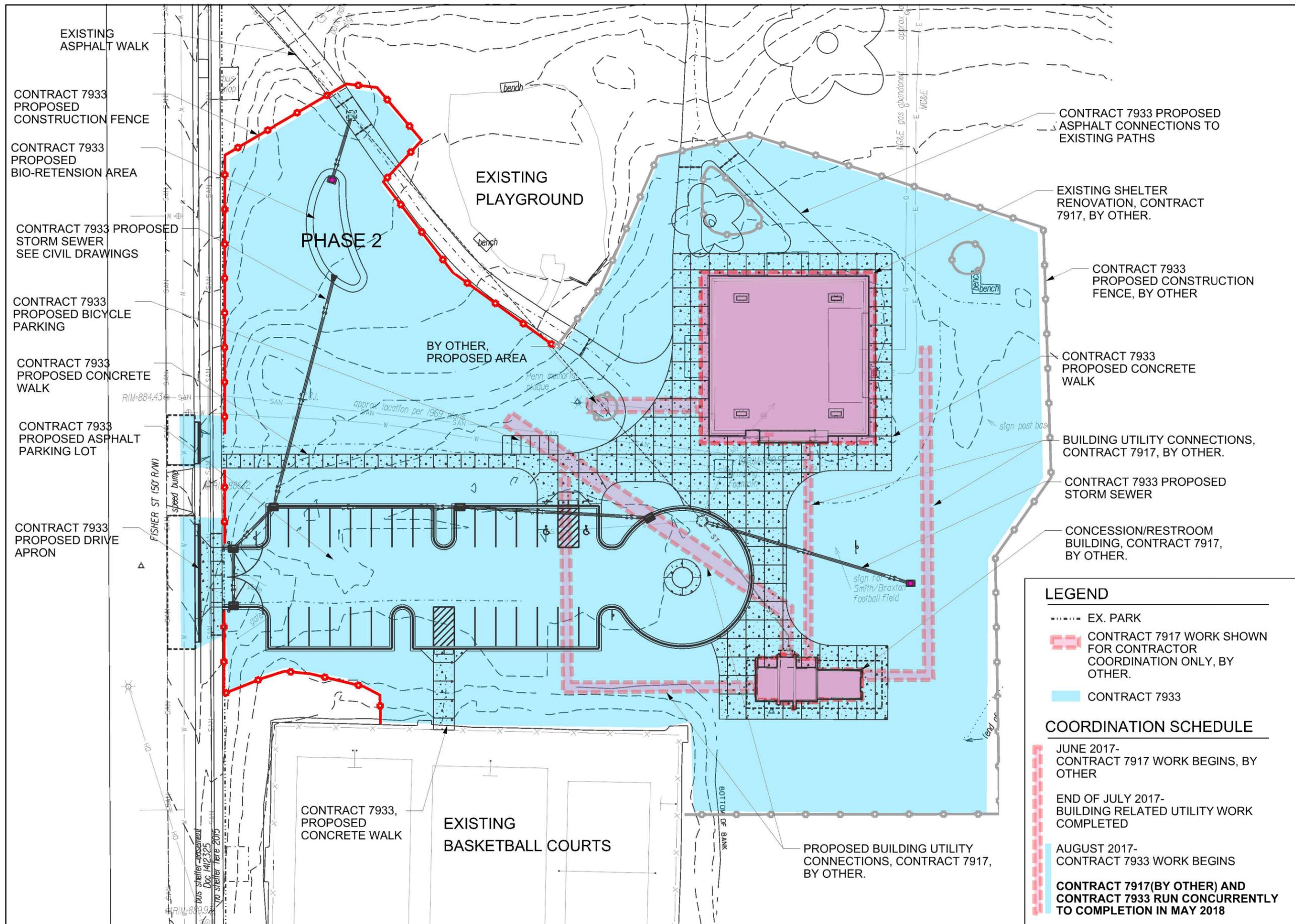
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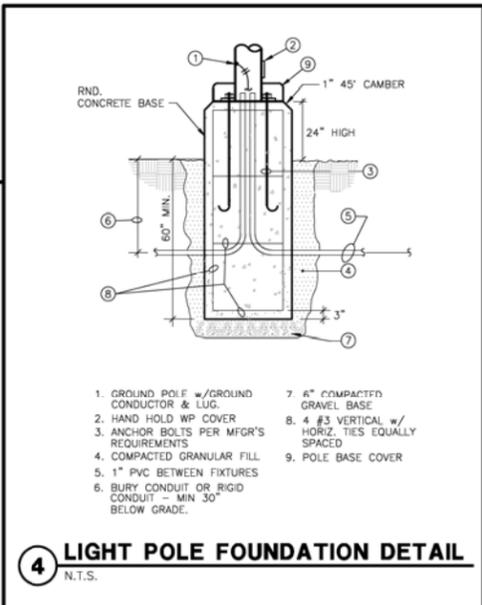
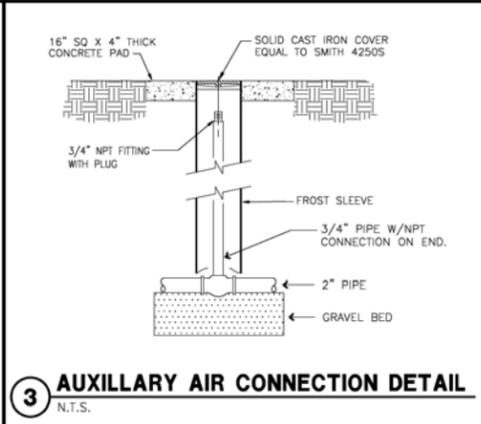
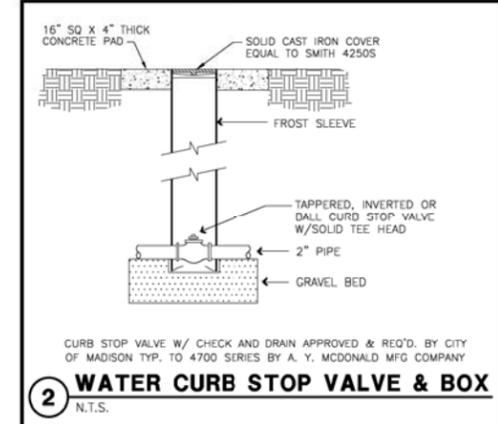
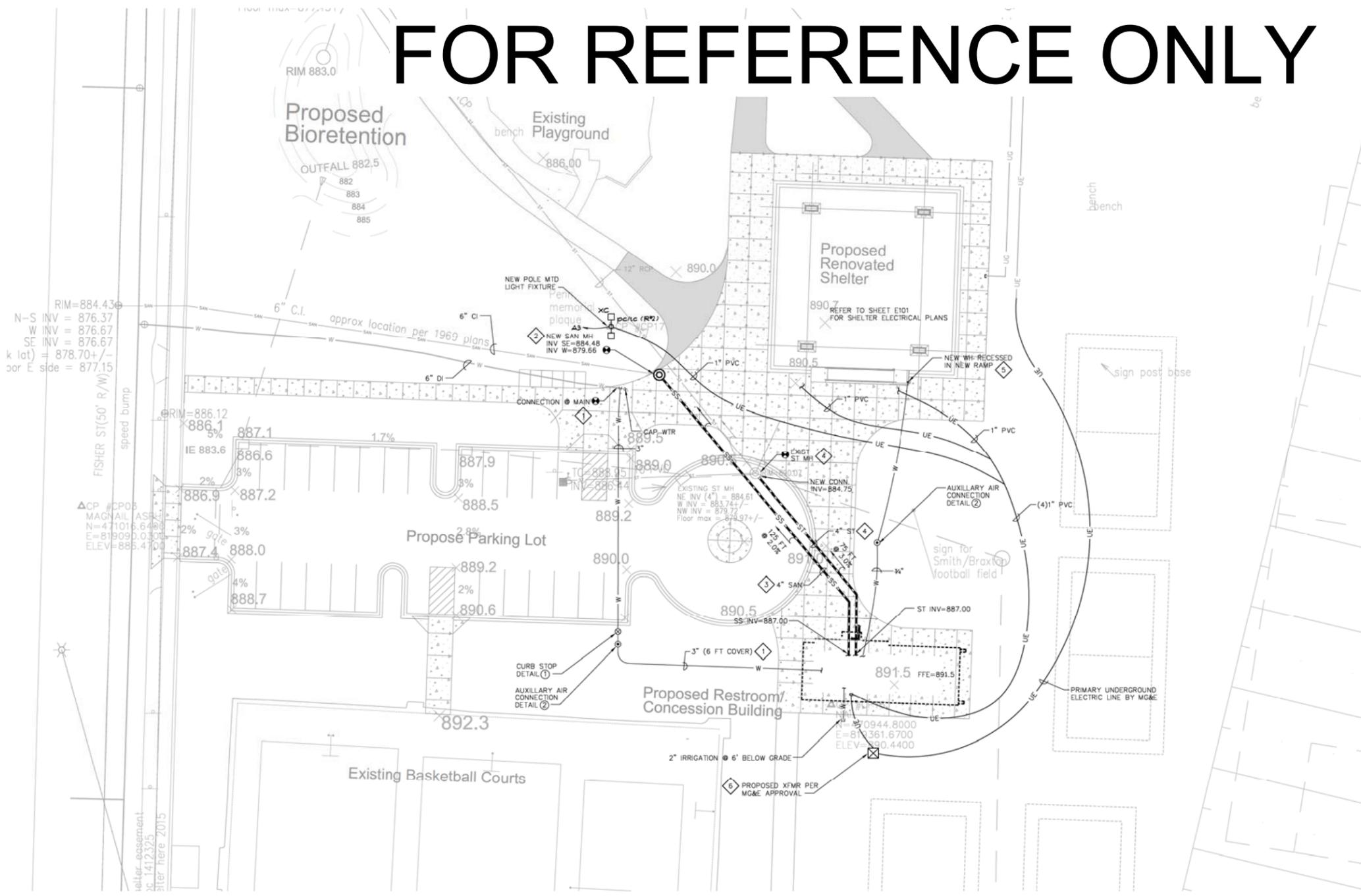
PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
**CONSTRUCTION
SEQUENCING
PLAN**

SHEET NUMBER:
L200



FOR REFERENCE ONLY



- SITE UTILITY PLAN NOTES:**
- ALL SANITARY SEWER AND WATER MAIN CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE CITY OF MADISON AND WISCONSIN DSPS STANDARDS.
 - WATER SERVICE SHALL BE BURIED TO A DEPTH OF 6 FEET. THE DEPTH IS DEFINED AS THE DISTANCE BETWEEN THE FINISHED GRADE ELEVATION AND THE TOP OF WATER MAIN OR SERVICE.
 - MAINTAIN AN 8 FOOT MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN PUBLIC SANITARY SEWER, WATER MAIN AND STORM SEWER. PROVIDE 18" MINIMUM VERTICAL SEPARATION WHERE SEWER CROSSES OVER WATER MAIN AND PROVIDE 12" MINIMUM VERTICAL SEPARATION WHERE WATER MAIN CROSSES OVER SEWER.
 - ANY UTILITIES WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
 - ALL UNDERGROUND EXTERIOR NON-METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED IN ACCORDANCE WITH 182.0715(2r) OF STATE STATUTES.
 - CONTRACTOR SHALL VERIFY MATERIAL, SIZE, AND INVERT OF SANITARY SEWER, WATER MAIN, AND STORM SEWER PRIOR TO CONSTRUCTION.
 - COORDINATE NEW ELECTRIC SERVICE INSTALLATION WITH MG&E. OWNER TO PAY ALL NEW SERVICE FEES.

- SITE UTILITY PLAN NOTES:**
- EXTEND NEW 3" WATER SERVICE FROM EXISTING 6" DI WATER LATERAL PER CITY OF MADISON REQUIREMENTS. MAINTAIN 6 FT MINIMUM COVER.
 - INSTALL NEW SANITARY MANHOLE AND COVER PER CITY OF MADISON SANITARY UTILITY REQUIREMENTS. REFER TO SPECIFICATIONS.
 - EXTEND NEW 4" SANITARY LATERAL TO THE NEW RESTROOM/CONCESSIONS BLDG.
 - EXTEND NEW 4" STORM LATERAL TO THE NEW RESTROOM/CONCESSIONS BLDG. CUT NEW OPENING IN EXISTING STORM MANHOLE AND WATER PROOF SEAL PER CITY REQUIREMENTS.
 - EXTEND 3/4" WATER LINE TO NEW WALL HYDRANT WITH BOX RECESSED IN NEW CONCRETE WALL AT SHELTER RAMP.
 - ARRANGE FOR NEW 200-AMP 1ø 3-WIRE 120/240 VOLT SERVICE AT NEW RESTROOM/CONCESSIONS BLDG. COORDINATE NEW UTILITY TRANSFORMER LOCATIONS WITH MG&E.

HEG
HEIN Engineering Group
17 Applegate Court, Suite 200
Madison, WI 53713
Phone: (608) 288-9260
email: hein@heingrpp.com
Project No. H1630

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PENN PARK SHELTER RENOVATION & CONCESSION/RESTROOM BLDG
2101 FISHER STREET, MADISON, WI
CONTRACT # 7917 / MUNIS #17137

ISSUANCES:
CDS: 03.10.2017

Construction Documents:
This drawing shall be used for fabrication, erection and/or installation. Check all project addenda and construction bulletins for modifications.

PROJECT #: 160829.00
SHEET NUMBER
C101



PROJECT:
**PENN PARK
 PARKING LOT AND SITE
 IMPROVEMENTS**

**PENN PARK
 2101 FISHER STREET
 MADISON, WI**

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ITEM	DATE
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PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
**SITE ACCESS AND
 EROSION CONTROL
 PLAN**

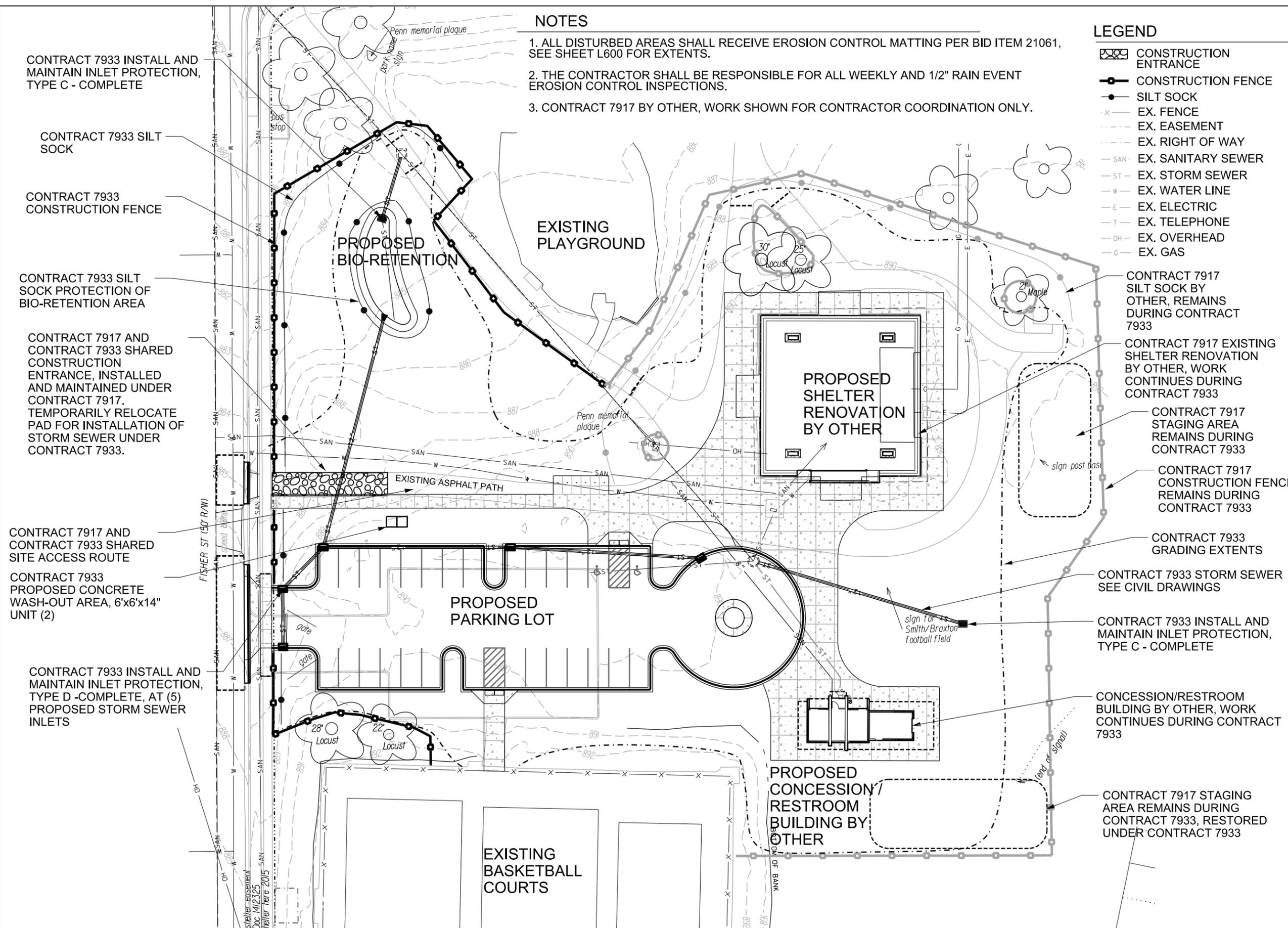
SHEET NUMBER:
L202

NOTES

1. ALL DISTURBED AREAS SHALL RECEIVE EROSION CONTROL MATTING PER BID ITEM 21061, SEE SHEET L600 FOR EXTENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WEEKLY AND 1/2" RAIN EVENT EROSION CONTROL INSPECTIONS.
3. CONTRACT 7917 BY OTHER, WORK SHOWN FOR CONTRACTOR COORDINATION ONLY.

LEGEND

- CONSTRUCTION ENTRANCE
- CONSTRUCTION FENCE
- SILT SOCK
- EX. FENCE
- EX. EASEMENT
- EX. RIGHT OF WAY
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. WATER LINE
- EX. ELECTRIC
- EX. TELEPHONE
- EX. OVERHEAD
- EX. GAS



CONTRACT 7933 INSTALL AND MAINTAIN INLET PROTECTION, TYPE C - COMPLETE

CONTRACT 7933 SILT SOCK

CONTRACT 7933 CONSTRUCTION FENCE

CONTRACT 7933 SILT SOCK PROTECTION OF BIO-RETENTION AREA

CONTRACT 7917 AND CONTRACT 7933 SHARED CONSTRUCTION ENTRANCE, INSTALLED AND MAINTAINED UNDER CONTRACT 7917. TEMPORARILY RELOCATE PAD FOR INSTALLATION OF STORM SEWER UNDER CONTRACT 7933.

CONTRACT 7917 AND CONTRACT 7933 SHARED SITE ACCESS ROUTE

CONTRACT 7933 PROPOSED CONCRETE WASH-OUT AREA, 6'x6'x14" UNIT (2)

CONTRACT 7933 INSTALL AND MAINTAIN INLET PROTECTION, TYPE D - COMPLETE, AT (5) PROPOSED STORM SEWER INLETS

CONTRACT 7917 SILT SOCK BY OTHER, REMAINS DURING CONTRACT 7933

CONTRACT 7917 EXISTING SHELTER RENOVATION BY OTHER, WORK CONTINUES DURING CONTRACT 7933

CONTRACT 7917 STAGING AREA REMAINS DURING CONTRACT 7933

CONTRACT 7917 CONSTRUCTION FENCE REMAINS DURING CONTRACT 7933

CONTRACT 7933 GRADING EXTENTS

CONTRACT 7933 STORM SEWER SEE CIVIL DRAWINGS

CONTRACT 7933 INSTALL AND MAINTAIN INLET PROTECTION, TYPE C - COMPLETE

CONCESSION/RESTROOM BUILDING BY OTHER, WORK CONTINUES DURING CONTRACT 7933

CONTRACT 7917 STAGING AREA REMAINS DURING CONTRACT 7933, RESTORED UNDER CONTRACT 7933



PROJECT:
**PENN PARK
 PARKING LOT AND SITE
 IMPROVEMENTS**

**PENN PARK
 2101 FISHER STREET
 MADISON, WI**

LEGEND

- REMOVE EX. ASPHALT
- REMOVE EX. CONCRETE
- MILL AND OVERLY ASPHALT
- NRC** NO ROOT CUT
- PARK BOUNDARY
- EX. FENCE
- EX. EASEMENT
- EX. RIGHT OF WAY
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. WATER LINE
- EX. ELECTRIC
- EX. TELEPHONE
- EX. OVERHEAD
- EX. GAS

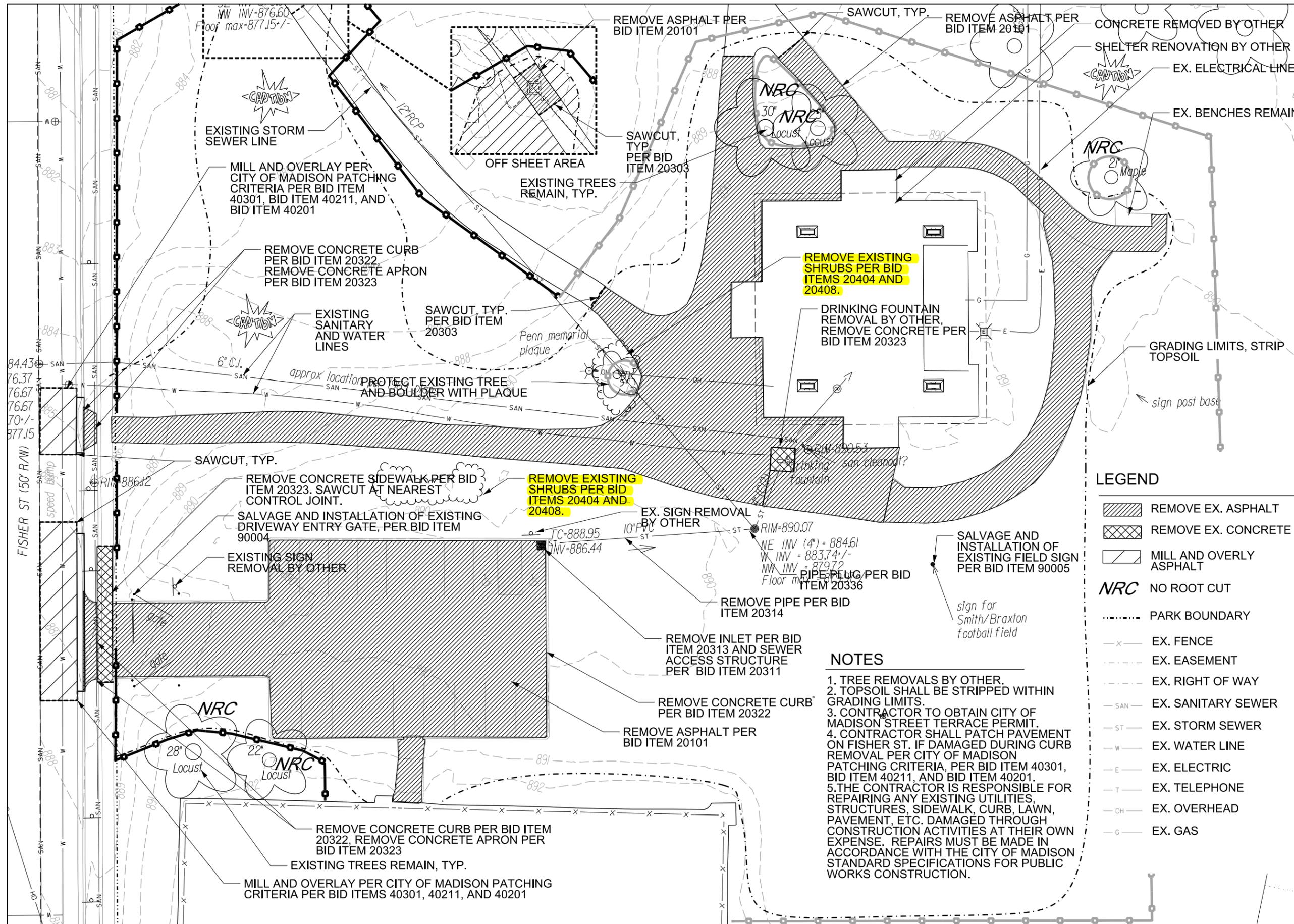
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Addendum 1	05-17-2017

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7933

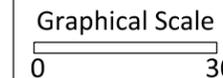
SHEET TITLE:
**DEMOLITION AND
 PROTECTION PLAN**

SHEET NUMBER:
L300



NOTES

1. TREE REMOVALS BY OTHER.
2. TOPSOIL SHALL BE STRIPPED WITHIN GRADING LIMITS.
3. CONTRACTOR TO OBTAIN CITY OF MADISON STREET TERRACE PERMIT.
4. CONTRACTOR SHALL PATCH PAVEMENT ON FISHER ST. IF DAMAGED DURING CURB REMOVAL PER CITY OF MADISON PATCHING CRITERIA, PER BID ITEM 40301, BID ITEM 40211, AND BID ITEM 40201.
5. 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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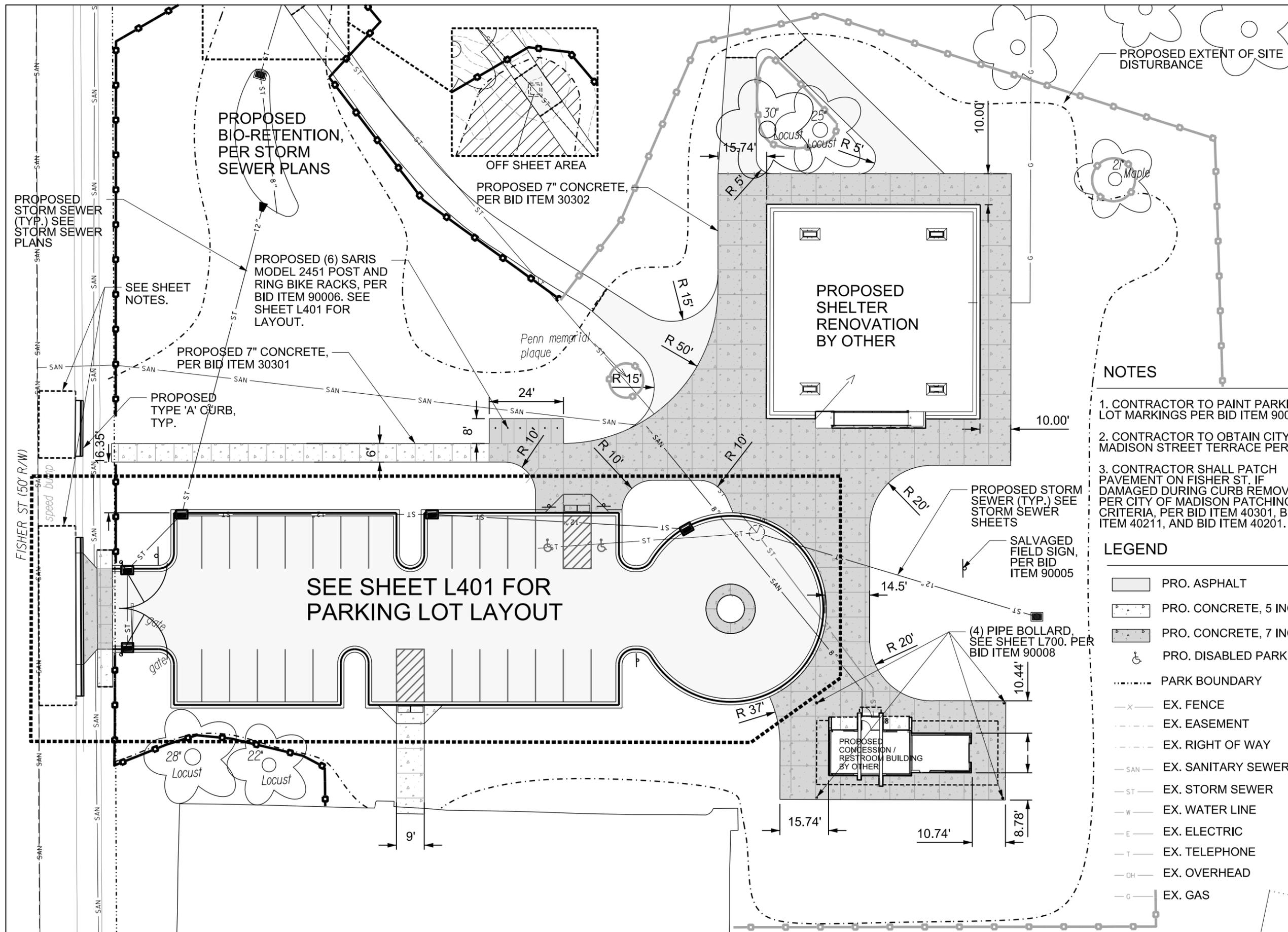
ITEM DATE
 Drawn by: MS 04-06-2017

PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
**SITE LAYOUT
 PLAN**

SHEET NUMBER:

L400



NOTES

1. CONTRACTOR TO PAINT PARKING LOT MARKINGS PER BID ITEM 90002.
2. CONTRACTOR TO OBTAIN CITY OF MADISON STREET TERRACE PERMIT.
3. CONTRACTOR SHALL PATCH PAVEMENT ON FISHER ST. IF DAMAGED DURING CURB REMOVAL PER CITY OF MADISON PATCHING CRITERIA, PER BID ITEM 40301, BID ITEM 40211, AND BID ITEM 40201.

LEGEND

- PRO. ASPHALT
- PRO. CONCRETE, 5 INCH.
- PRO. CONCRETE, 7 INCH.
- PRO. DISABLED PARKING
- PARK BOUNDARY
- EX. FENCE
- EX. EASEMENT
- EX. RIGHT OF WAY
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. WATER LINE
- EX. ELECTRIC
- EX. TELEPHONE
- EX. OVERHEAD
- EX. GAS

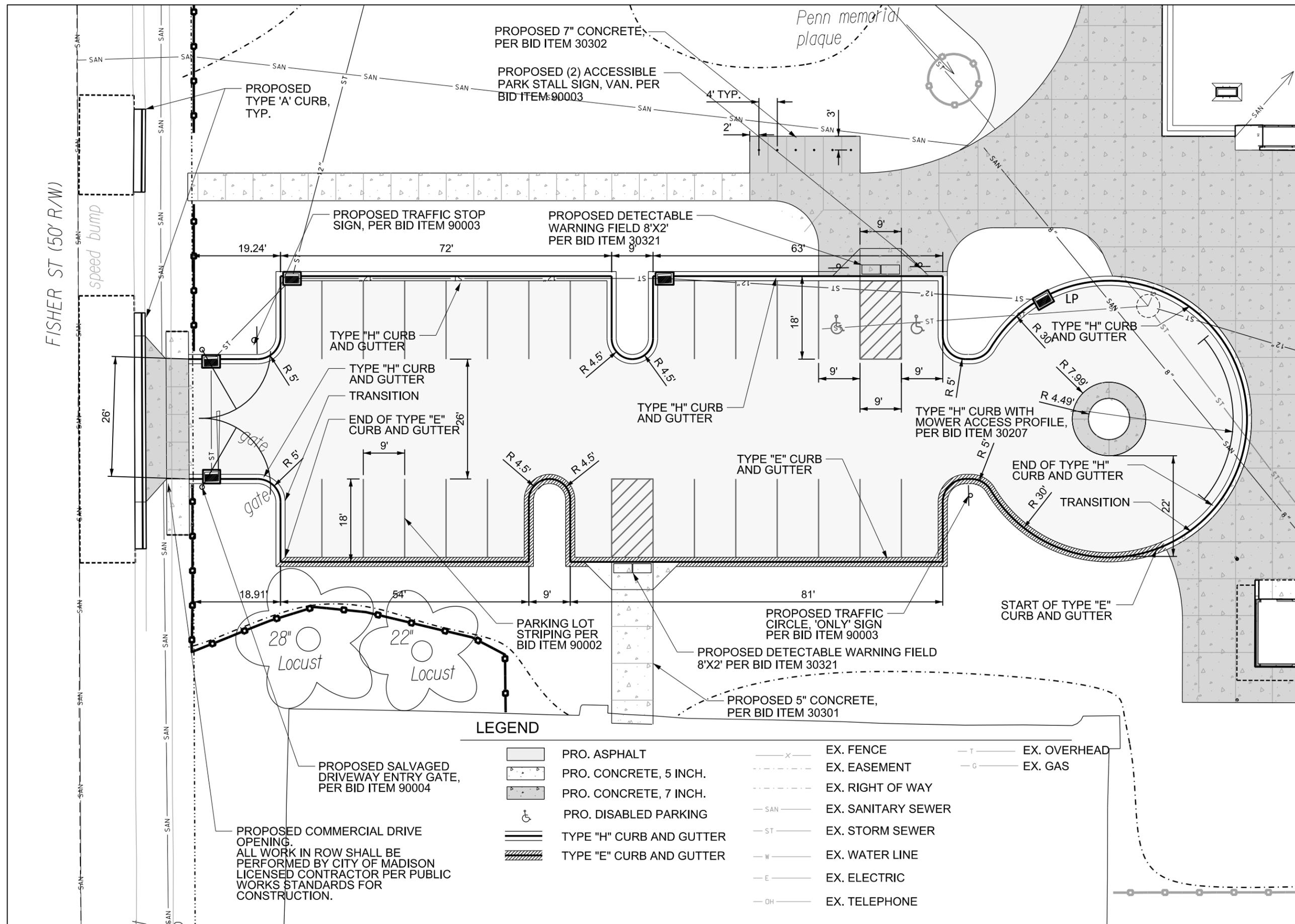
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ITEM	DATE
Drawn by: MS	04-06-2017

PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
**PARKING LOT
 LAYOUT PLAN**

SHEET NUMBER:
L401



City of Madison
Department of Public Works
PARKS DIVISION

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Madison, WI 53701

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Graphical Scale



PROJECT:
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PARKING LOT AND SITE
IMPROVEMENTS*

*PENN PARK
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MADISON, WI*

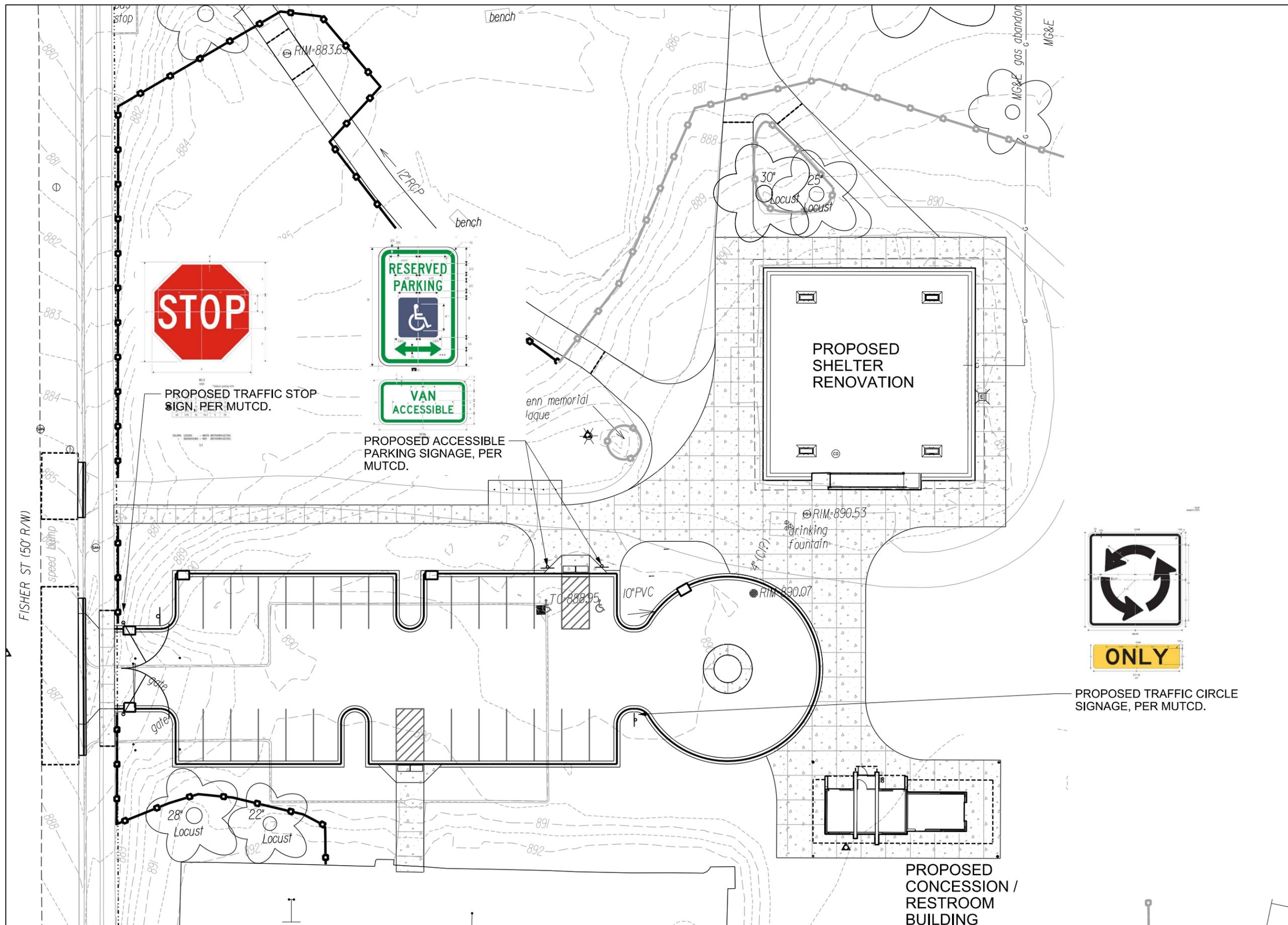
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PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
SIGNAGE PLAN

SHEET NUMBER:
L402



PROPOSED TRAFFIC CIRCLE SIGNAGE, PER MUTCD.

Graphical Scale



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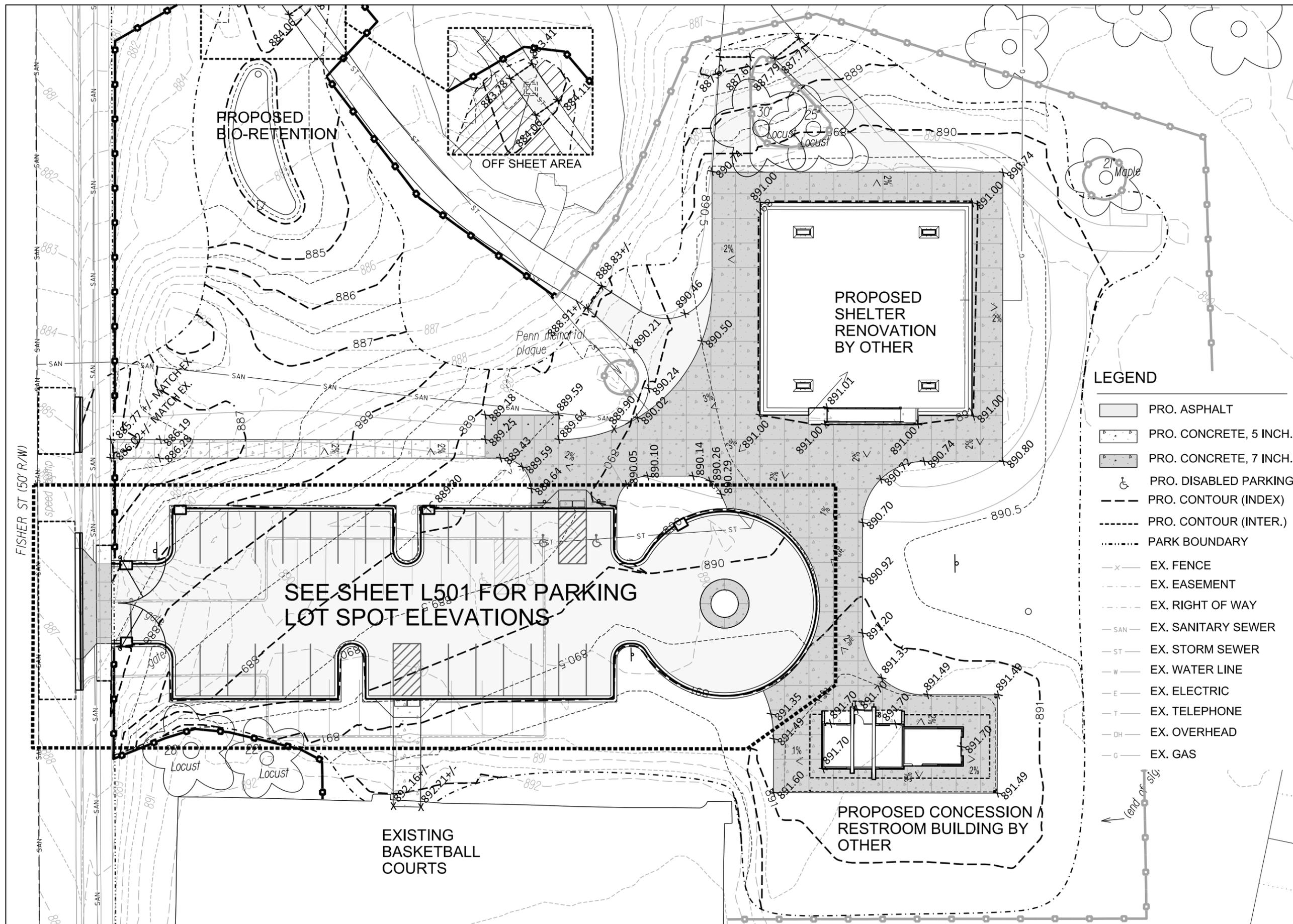
ITEM	DATE
Drawn by: MS	04-06-2017

PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
**SITE GRADING
PLAN**

SHEET NUMBER:

L500



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Graphical Scale

0 20 ft



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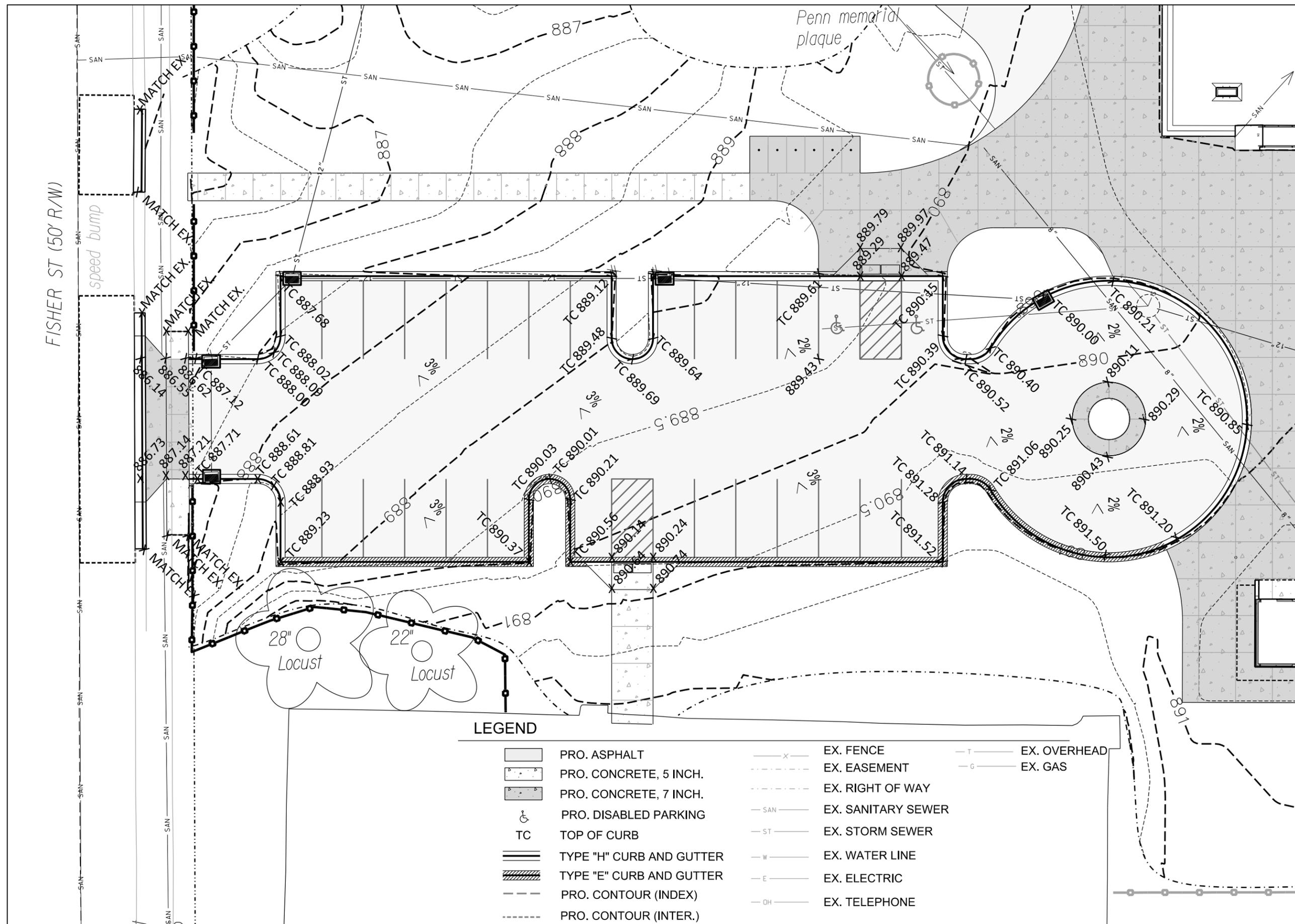
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7933

SHEET TITLE:
**PARKING LOT
GRADING PLAN**

SHEET NUMBER:
L501



LEGEND

- | | | | | | |
|----|--------------------------|--|--------------------|--|----------------|
| | PRO. ASPHALT | | EX. FENCE | | EX. OVERHEAD |
| | PRO. CONCRETE, 5 INCH. | | EX. EASEMENT | | EX. GAS |
| | PRO. CONCRETE, 7 INCH. | | EX. RIGHT OF WAY | | EX. WATER LINE |
| | PRO. DISABLED PARKING | | EX. SANITARY SEWER | | EX. ELECTRIC |
| TC | TOP OF CURB | | EX. STORM SEWER | | EX. TELEPHONE |
| | TYPE "H" CURB AND GUTTER | | EX. WATER LINE | | |
| | TYPE "E" CURB AND GUTTER | | EX. ELECTRIC | | |
| | PRO. CONTOUR (INDEX) | | EX. TELEPHONE | | |
| | PRO. CONTOUR (INTER.) | | | | |

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Drawn by: MS 04-06-2017

PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
**EARTHWORK
COMPUTATIONS**

SHEET NUMBER:
L502

Penn Park - Earthwork Quantities											
City of Madison, WI Public Works Contract											
Date Revised: 4/21/2017											
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											
Proposed											
Proposed											

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)
	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	29950	0.50	14975	554.6	0%	554.6
	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	29950	varies	8694	322.0	0%	322.0
	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	29950	varies	-6931	-256.7	0%	-256.7
	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	29950	-0.50	-14975	-554.6	0%	-554.6
	Asphalt to Grass	Asphalt Excavate	Remove existing asphalt surface, estimated depth 11in	n/a	n/a	5205	0.92	4771	176.7	0%	176.7
	Asphalt to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-11in	Pro-6in	5205	varies	654	24.2	0%	24.2
	Asphalt to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-11in	Pro-6in	5205	varies	-3371	-124.9	0%	-124.9
	Asphalt to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	5205	-0.50	-2602	-96.4	0%	-96.4
	Asphalt to Parking Asphalt	Asphalt Excavate	Remove existing asphalt, estimated depth 11in	n/a	n/a	5278	0.92	4838	179.2	0%	179.2
	Asphalt to Parking Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-11in	Pro-13.5in	5278	varies	3179	117.7	0%	117.7
	Asphalt to Parking Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-11in	Pro-13.5in	5278	varies	-338	-12.5	0%	-12.5
	Asphalt to Parking Asphalt	Gravel (for Pavement) Place	Place 10in gravel base	n/a	n/a	5278	-0.83	-4398	-162.9	0%	-162.9
	Asphalt to Parking Asphalt	Asphalt Place	Place 3.5 in asphalt	n/a	n/a	5278	-0.29	-1539	-57.0	0%	-57.0
	Asphalt to Path Asphalt	Asphalt Excavate	Remove existing asphalt, estimated depth 11in	n/a	n/a	1600	0.92	1466	54.3	0%	54.3
	Asphalt to Path Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-11in	Pro-12in	1600	varies	367	13.6	0%	13.6
	Asphalt to Path Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-11in	Pro-12in	1600	varies	-94	-3.5	0%	-3.5
	Asphalt to Path Asphalt	Gravel (for Pavement) Place	Place 9 in. gravel base	n/a	n/a	1600	-0.75	-1200	-44.4	0%	-44.4
	Asphalt to Path Asphalt	Path Asphalt Place	Place 3 in. asphalt surface	n/a	n/a	1600	-0.25	-400	-14.8	0%	-14.8
	Grass to Parking Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	6189	0.50	3094	114.6	0%	114.6
	Grass to Parking Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-13.5in	6189	varies	6226	230.6	0%	230.6
	Grass to Parking Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-13.5in	6189	varies	-28	-1.0	0%	-1.0
	Grass to Parking Asphalt	Gravel (for Pavement) Place	Place 10in gravel base	n/a	n/a	6189	-0.83	-5161	-191.2	0%	-191.2
	Grass to Parking Asphalt	Asphalt Place	Place 3.5in asphalt	n/a	n/a	6189	-0.29	-1801	-66.7	0%	-66.7
	Grass to 5 in Concrete	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	512	0.50	256	9.5	0%	9.5
	Grass to 5 in Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-7in	512	varies	764	28.3	0%	28.3
	Grass to 5 in Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-7in	512	varies	0	0.0	0%	0.0
	Grass to 5 in Concrete	Gravel (for Pavement) Place	Place 2in gravel base	n/a	n/a	512	-0.17	-86	-3.2	0%	-3.2
	Grass to 5 in Concrete	Concrete Place	Place 5in concrete	n/a	n/a	512	-0.42	-213	-7.9	0%	-7.9
	Grass to 7 in Concrete	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	5755	0.50	2878	106.6	0%	106.6
	Grass to 7 in Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-13in	5756	varies	1501	55.6	0%	55.6
	Grass to 7 in Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-13in	5756	varies	-1605	-59.4	0%	-59.4
	Grass to 7 in Concrete	Gravel (for Pavement) Place	Place 6in gravel base	n/a	n/a	5756	-0.50	-2878	-106.6	0%	-106.6
	Grass to 7 in Concrete	Concrete Place	Place 7in concrete	n/a	n/a	5756	-0.58	-3358	-124.4	0%	-124.4

Asphalt to 7 in Concrete	Asphalt Excavate	Remove existing asphalt, estimated depth 11in	n/a	n/a	3990	0.92	3657	135.4	0%	135.4
Asphalt to 7 in Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-11in	Pro-13in	3990	varies	1085	40.2	0%	40.2
Asphalt to 7 in Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-11in	Pro-13in	3990	varies	-295	-10.9	0%	-10.9
Asphalt to 7 in Concrete	Gravel (for Pavement) Place	Place 6in gravel base	n/a	n/a	3990	-0.50	-1995	-73.9	0%	-73.9
Asphalt to 7 in Concrete	Concrete Place	Place 7in concrete	n/a	n/a	3990	-0.58	-2327	-86.2	0%	-86.2
Asphalt to 5 in Concrete	Asphalt Excavate	Remove existing asphalt, estimated depth 11in	n/a	n/a	564	0.92	517	19.2	0%	19.2
Asphalt to 5 in Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-11in	Pro-7in	564	varies	241	8.9	0%	8.9
Asphalt to 5 in Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-11in	Pro-7in	564	varies	-268	-9.9	0%	-9.9
Asphalt to 5 in Concrete	Gravel (for Pavement) Place	Place 2in gravel base	n/a	n/a	564	-0.17	-94	-3.5	0%	-3.5
Asphalt to 5 in Concrete	Concrete Place	Place 5in concrete	n/a	n/a	564	-0.42	-235	-8.7	0%	-8.7
Asphalt to Concrete Curb 18 in	Asphalt Excavate	Remove existing asphalt, estimated depth 11in	n/a	n/a	514	0.92	471	17.4	0%	17.4
Asphalt to Concrete Curb 18 in	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-11in	Pro-18in	514	varies	249	9.2	0%	9.2
Asphalt to Concrete Curb 18 in	Subsoil Place	Fill subsoil to proposed subgrade	Ex-11in	Pro-18in	514	varies	-43	-1.6	0%	-1.6
Asphalt to Concrete Curb 18 in	Gravel (for Pavement) Place	Place 6in gravel base	n/a	n/a	514	-0.50	-257	-9.5	0%	-9.5
Asphalt to Concrete Curb 18 in	Concrete Place	Place 12in concrete	n/a	n/a	514	-1.00	-514	-19.0	0%	-19.0
Lawn to Concrete Curb 18 in	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	1410	0.50	705	26.1	0%	26.1
Lawn to Concrete Curb 18 in	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-18in	1410	varies	2034	75.3	0%	75.3
Lawn to Concrete Curb 18 in	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-18in	1410	varies	-31	-1.1	0%	-1.1
Lawn to Concrete Curb 18 in	Gravel (for Pavement) Place	Place 6in gravel base	n/a	n/a	1410	-0.50	-705	-26.1	0%	-26.1
Lawn to Concrete Curb 18 in	Concrete Place	Place 12in concrete	n/a	n/a	1410	-1.00	-1410	-52.2	0%	-52.2
Grass to Bio-Retention Bottom	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	867	0.50	433	16.1	0%	16.1
Grass to Bio-Retention Bottom	Subsoil Excavate	Cut subsoil to proposed subgrade, minus 3.5 ft	Ex-6in	Pro-6in	867	varies	3936	145.8	0%	145.8
Grass to Bio-Retention Bottom	Subsoil Place	Fill subsoil to proposed subgrade, minus 3.5 ft.	Ex-6in	Pro-6in	867	varies	0	0.0	0%	0.0

Penn Park Parking Lot and Site Improvements

City of Madison, WI Public Works Contract 7933
Date Revised: 4/21/2017

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 Unfac-tored volume (cu yd)

Asphalt Place	-123.7
Gravel (for Pavement) Place	-621.3
Subsoil Excavate	1071.5
Subsoil Place	-481.6
Topsoil Excavate	827.5
Topsoil Place	-651.0
Asphalt Excavate	582.3
Path Asphalt Place	-14.8
Grand Total	588.8

Contract 7933 Base Bid

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	2481	CY	=Subsoil Excavate + Topsoil Excavate + Asphalt Excavate
40102 Crushed Aggregate Base Course Gradation No. 2 & 3	1242.5	TONS	= (Gravel Place) * 2.0 ton/cubic yard
40201 3" Depth HMA Pavement Type E-0.3	316.0	TONS	= (Asphalt Place + Path Asphalt Place) * 2.16 ton/cubic yard + 17 TONS for Fisher Street Patching (if needed)

Graphical Scale



PROJECT:
**PENN PARK
 PARKING LOT AND SITE
 IMPROVEMENTS**

**PENN PARK
 2101 FISHER STREET
 MADISON, WI**

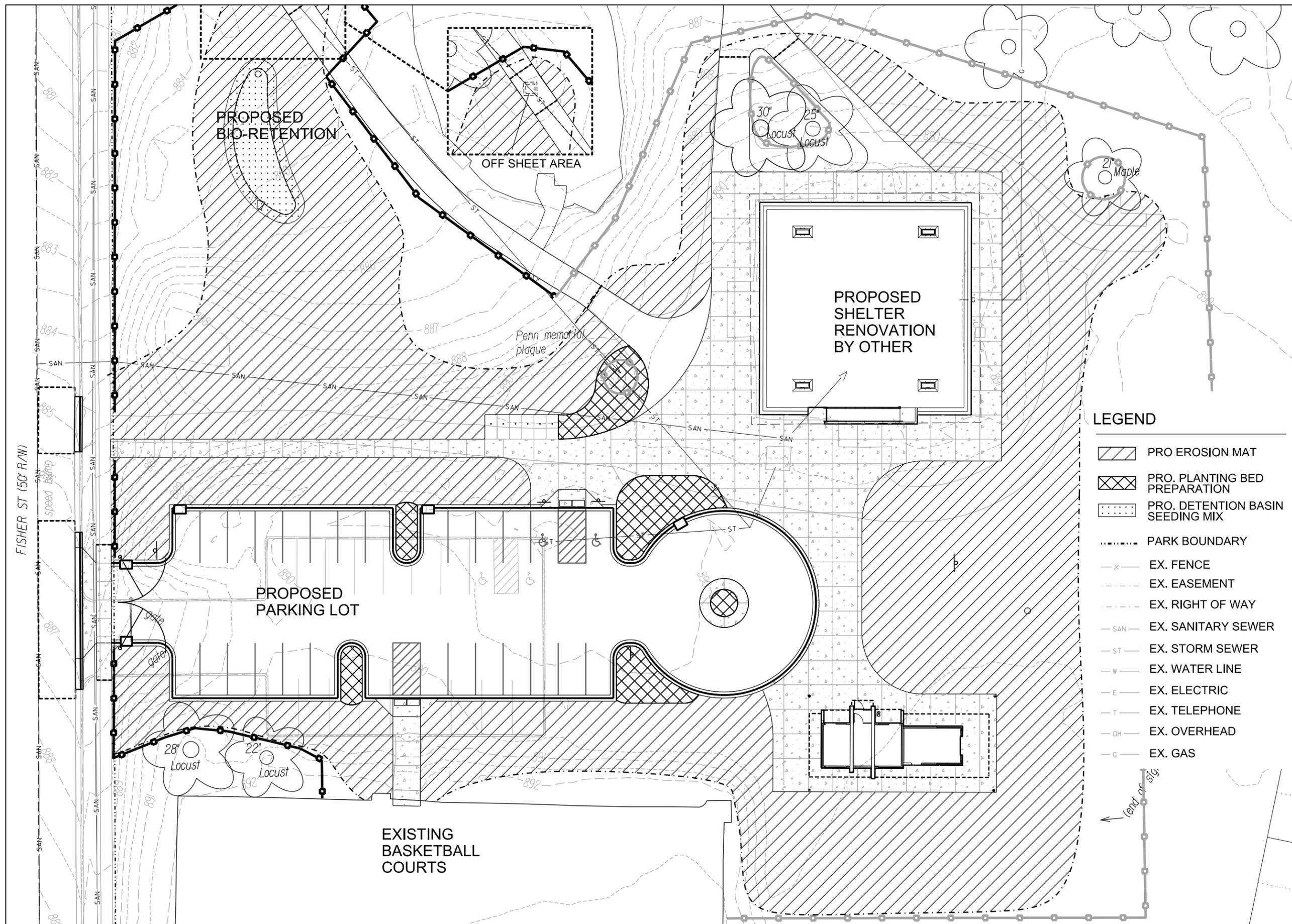
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM DATE
 Drawn by: MS 04-06-2017

PUBLIC WORKS PROJECT #:
7933

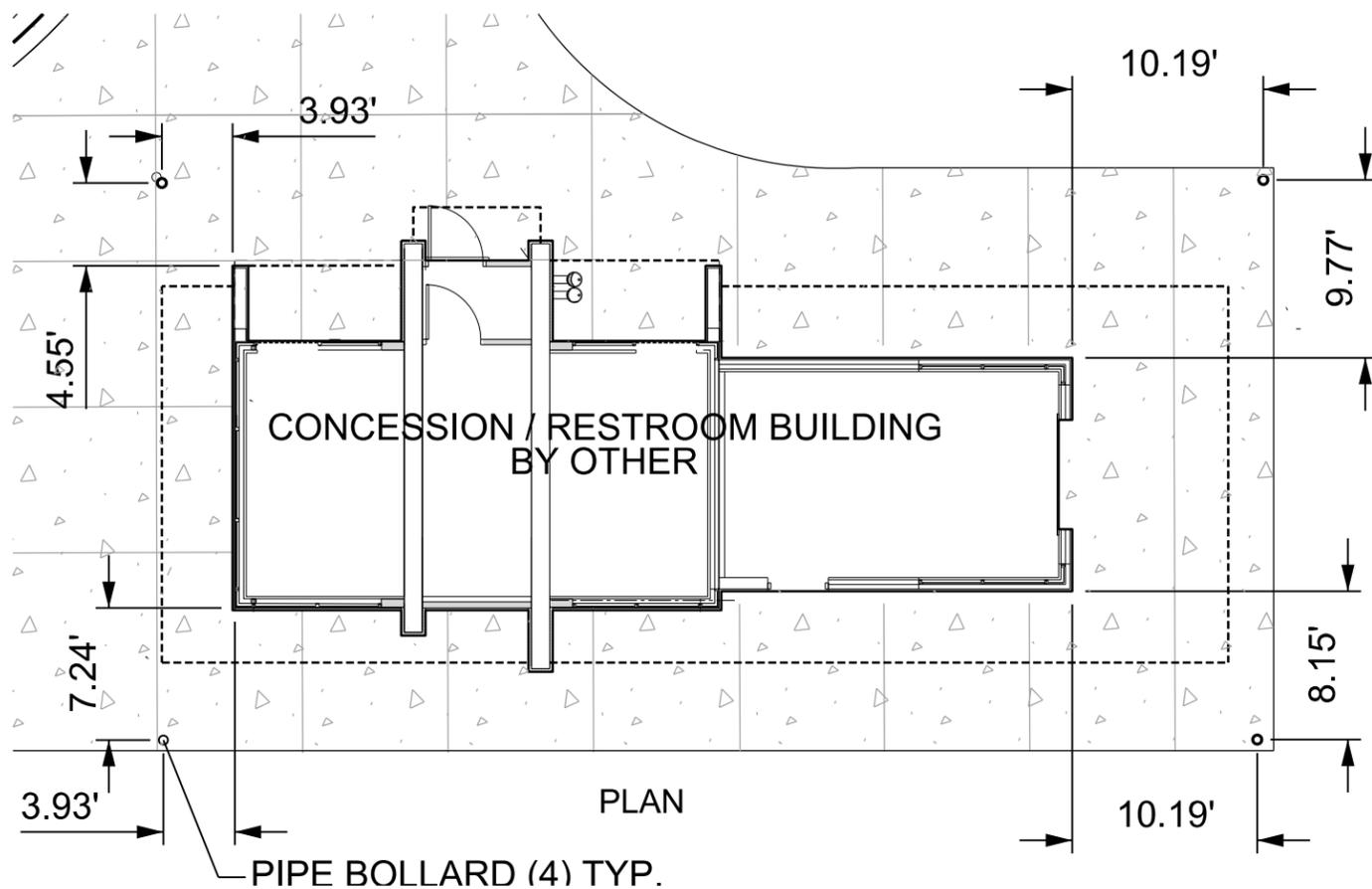
SHEET TITLE:
**SITE
 RESTORATION
 PLAN**

SHEET NUMBER:
L600



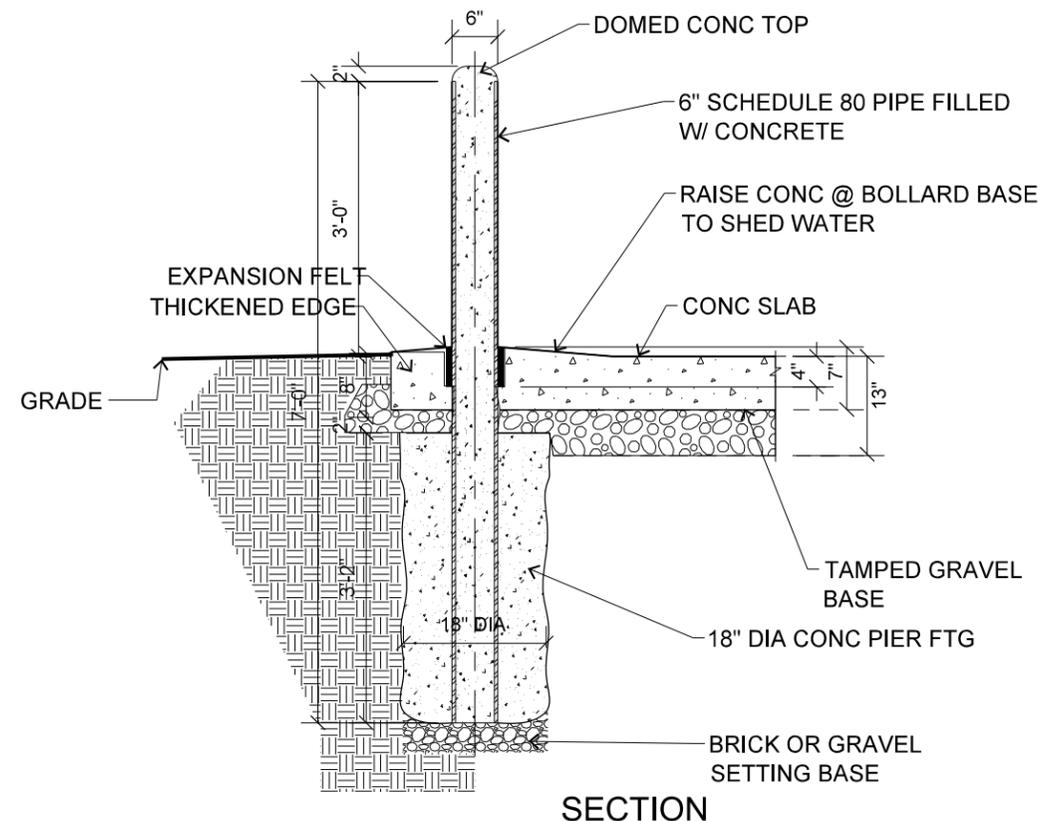
LEGEND

- PRO EROSION MAT
- PRO. PLANTING BED PREPARATION
- PRO. DETENTION BASIN SEEDING MIX
- PARK BOUNDARY
- EX. FENCE
- EX. EASEMENT
- EX. RIGHT OF WAY
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. WATER LINE
- EX. ELECTRIC
- EX. TELEPHONE
- EX. OVERHEAD
- EX. GAS



PIPE BOLLARD LAYOUT

NTS



PIPE BOLLARD DETAIL

NTS

City of Madison
Department of Public Works
PARKS DIVISION

City-County Building, Suite 104
210 Martin Luther King, Jr. Blvd.
Madison, WI 53701

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**MADISON
PARKS**

PROJECT:
*PENN PARK
PARKING LOT AND SITE
IMPROVEMENTS*

*PENN PARK
2101 FISHER STREET
MADISON, WI*

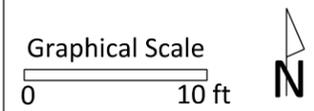
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ITEM	DATE
Drawn by: MS	04-06-2017

PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
L700



PROJECT:
**PENN PARK
 PARKING LOT
 AND SITE
 IMPROVEMENTS**

**PENN PARK
 2101 FISHER ST
 MADISON, WI 53713**

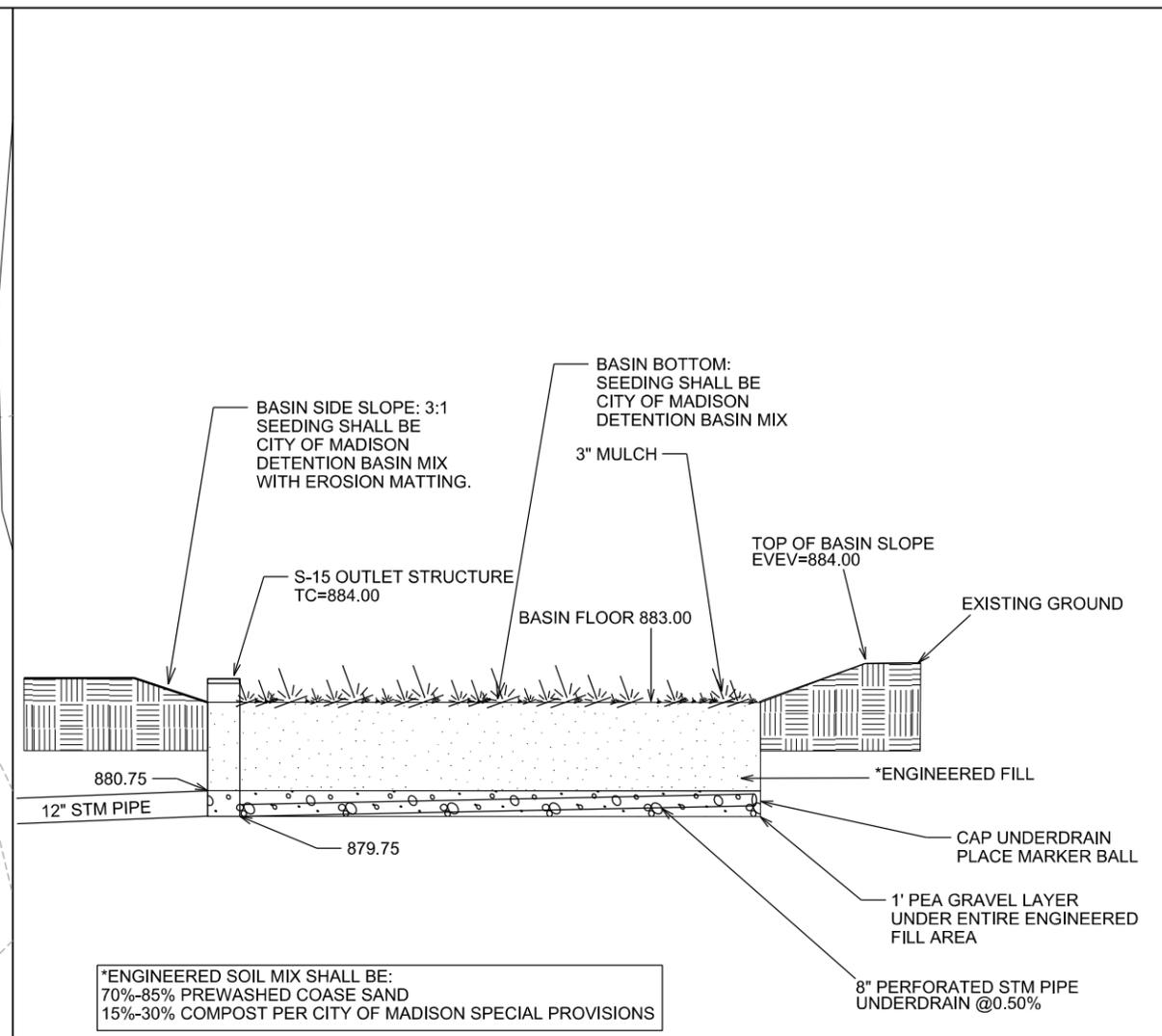
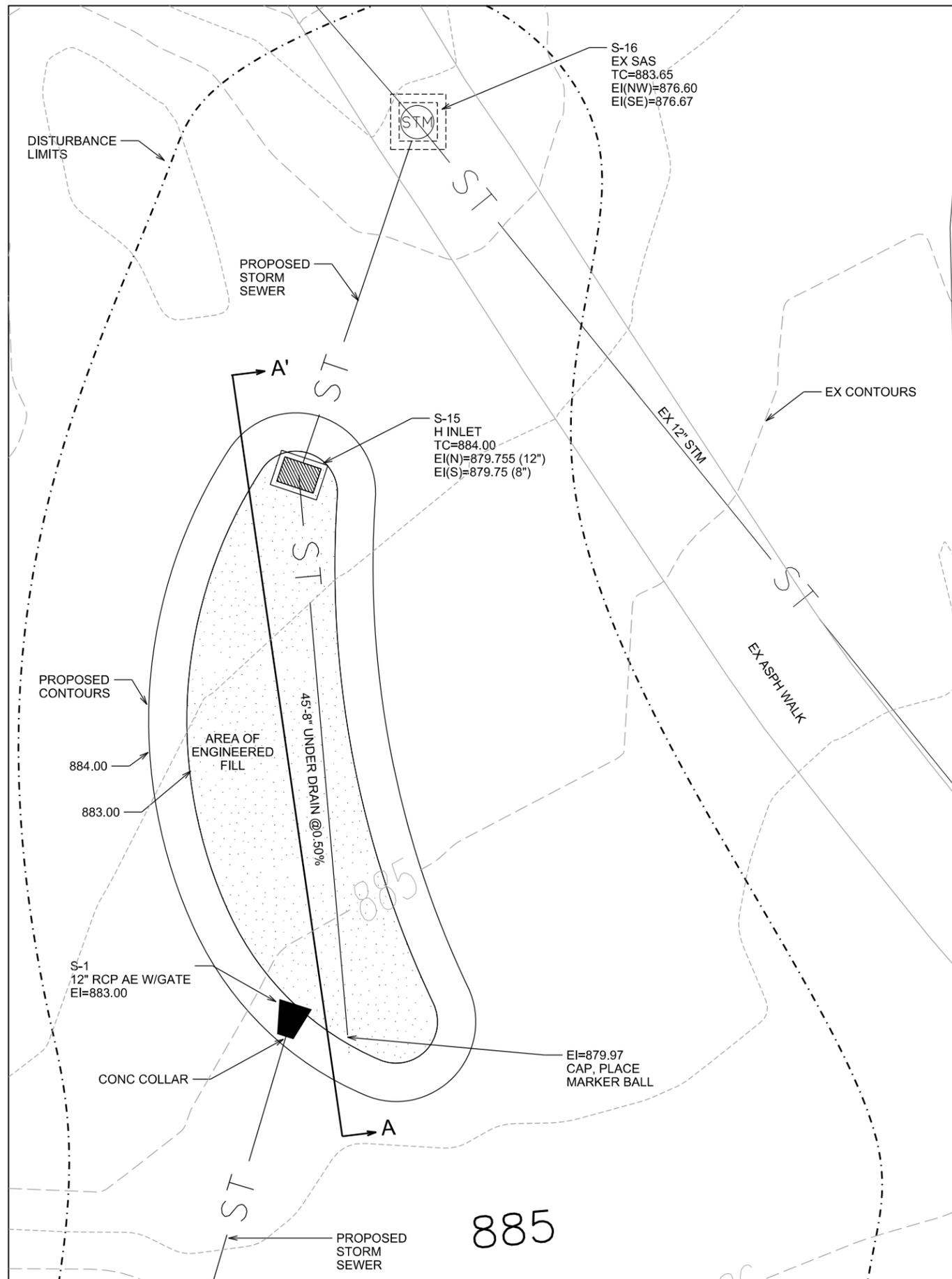
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ITEM	DATE
Drawn by: CCS	4-24-17

PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
BIO-RETENTION DETAIL

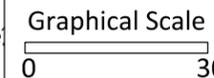
SHEET NUMBER:
U-101



*ENGINEERED SOIL MIX SHALL BE:
 70%-85% PREWASHED COARSE SAND
 15%-30% COMPOST PER CITY OF MADISON SPECIAL PROVISIONS

**BIO-RETENTION BASIN CROSS-SECTION A'-A
 (NOT TO SCALE)**

play
**MADISON
 PARKS**



PROJECT:
**PENN PARK
 PARKING LOT AND SITE
 IMPROVEMENTS**

**PENN PARK
 2101 FISHER STREET
 MADISON, WI**

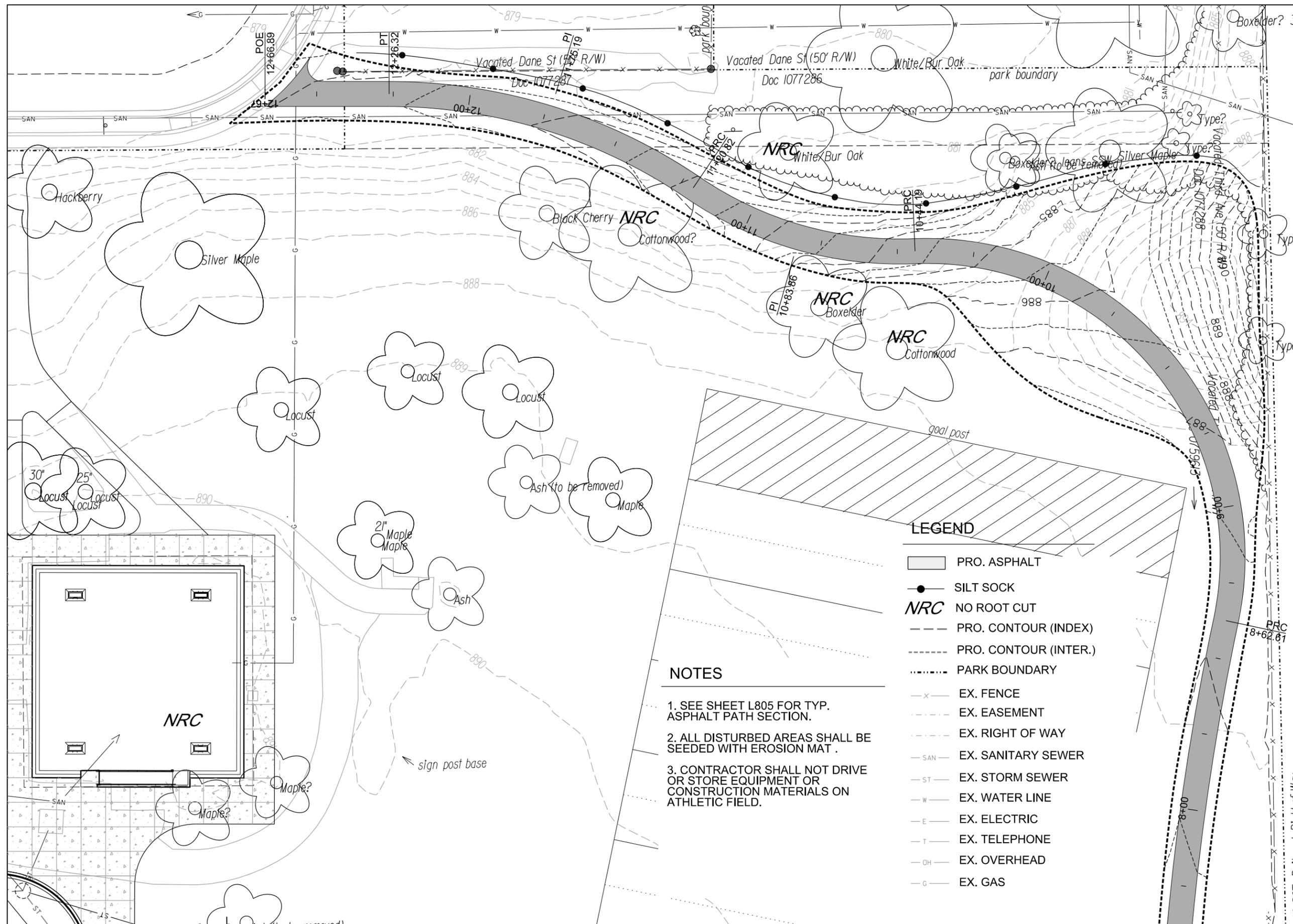
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ITEM	DATE
Drawn by: MS	04-06-2017

PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
**ADD ALTERNATE
 -LAYOUT AND
 GRADING (NORTH)**

SHEET NUMBER:
L801



LEGEND

	PRO. ASPHALT
	SILT SOCK
NRC	NO ROOT CUT
	PRO. CONTOUR (INDEX)
	PRO. CONTOUR (INTER.)
	PARK BOUNDARY
	EX. FENCE
	EX. EASEMENT
	EX. RIGHT OF WAY
	EX. SANITARY SEWER
	EX. STORM SEWER
	EX. WATER LINE
	EX. ELECTRIC
	EX. TELEPHONE
	EX. OVERHEAD
	EX. GAS

- NOTES**
1. SEE SHEET L805 FOR TYP. ASPHALT PATH SECTION.
 2. ALL DISTURBED AREAS SHALL BE SEEDED WITH EROSION MAT.
 3. CONTRACTOR SHALL NOT DRIVE OR STORE EQUIPMENT OR CONSTRUCTION MATERIALS ON ATHLETIC FIELD.

City of Madison
Department of Public Works
PARKS DIVISION

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PARKS**

Graphical Scale

0 30



PROJECT:
*PENN PARK
PARKING LOT AND SITE
IMPROVEMENTS*

*PENN PARK
2101 FISHER STREET
MADISON, WI*

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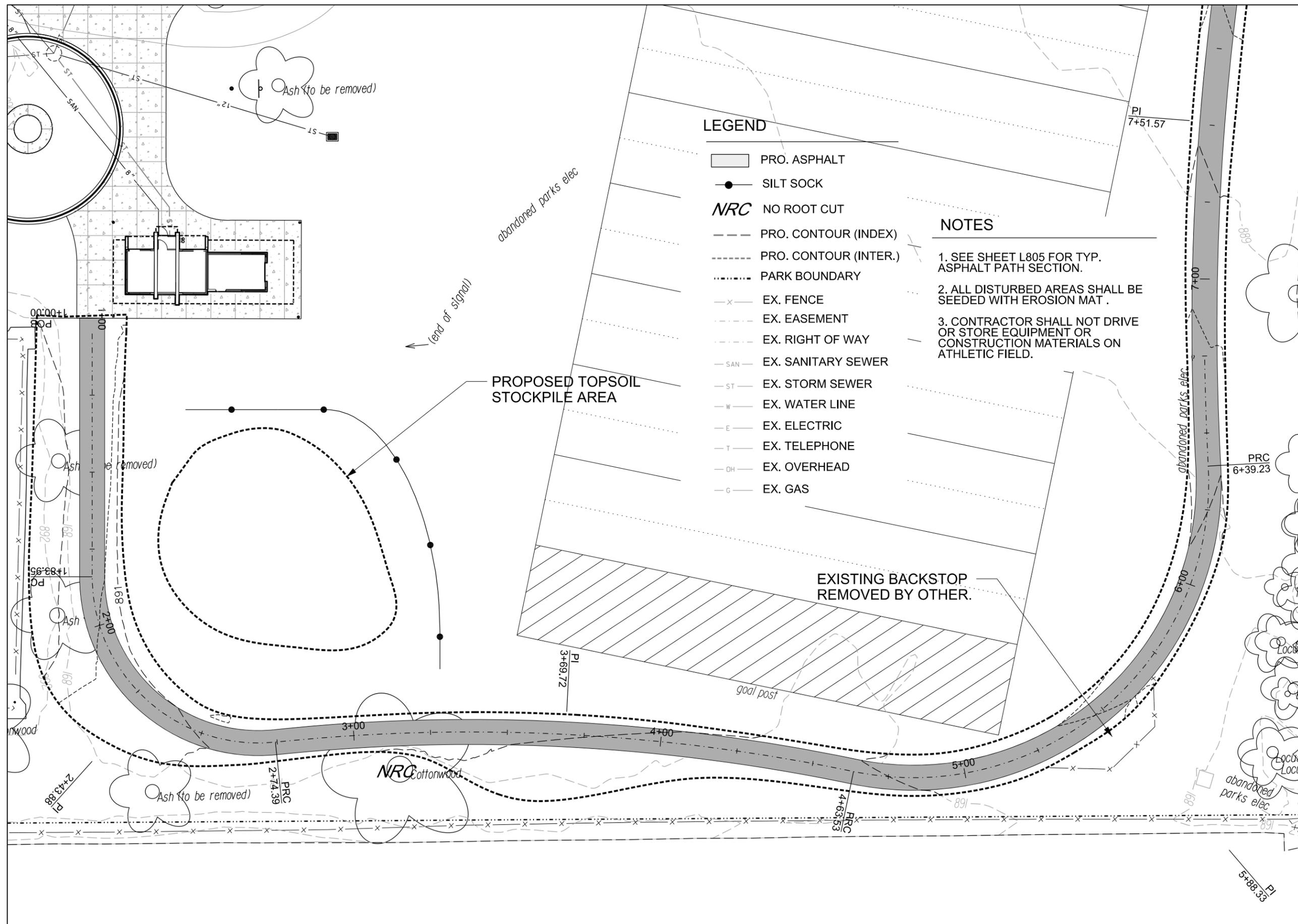
ITEM	DATE
Drawn by: MS	04-06-2017

PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
**ADD ALTERNATE
-LAYOUT AND
GRADING (SOUTH)**

SHEET NUMBER:

L802



LEGEND

- PRO. ASPHALT
- SILT SOCK
- NRC** NO ROOT CUT
- PRO. CONTOUR (INDEX)
- PRO. CONTOUR (INTER.)
- PARK BOUNDARY
- EX. FENCE
- EX. EASEMENT
- EX. RIGHT OF WAY
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. WATER LINE
- EX. ELECTRIC
- EX. TELEPHONE
- EX. OVERHEAD
- EX. GAS

NOTES

1. SEE SHEET L805 FOR TYP. ASPHALT PATH SECTION.
2. ALL DISTURBED AREAS SHALL BE SEEDED WITH EROSION MAT.
3. CONTRACTOR SHALL NOT DRIVE OR STORE EQUIPMENT OR CONSTRUCTION MATERIALS ON ATHLETIC FIELD.

City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
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PROJECT:
*PENN PARK
 PARKING LOT AND SITE
 IMPROVEMENTS*

*PENN PARK
 2101 FISHER STREET
 MADISON, WI*

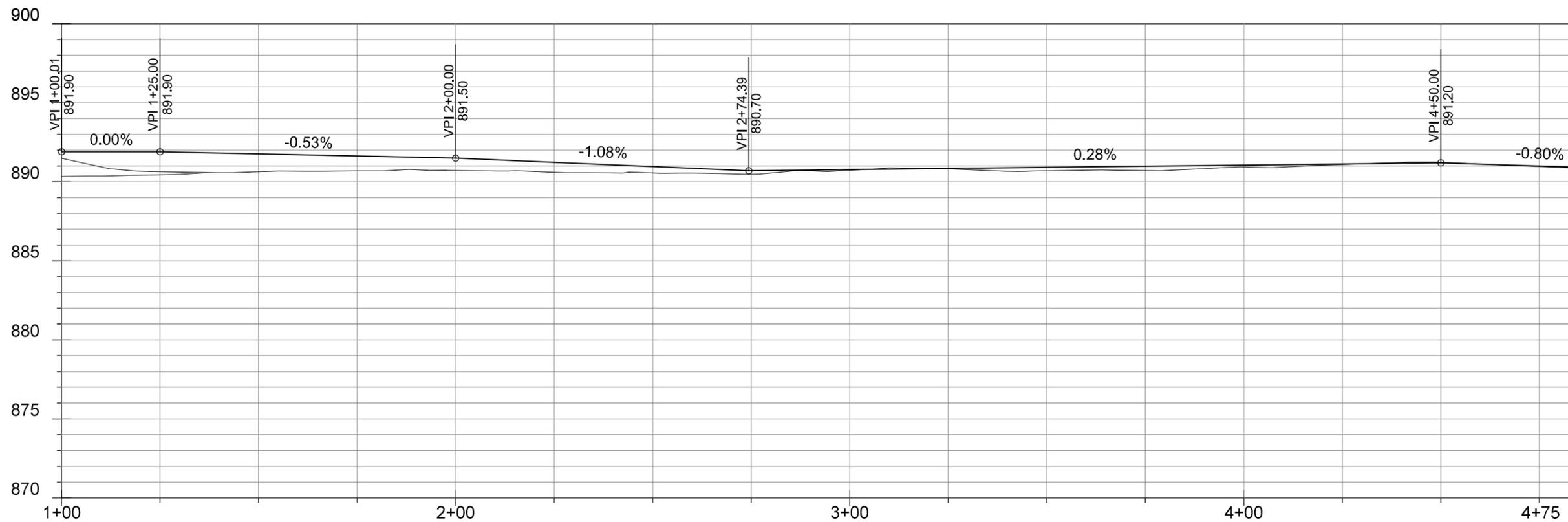
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ITEM	DATE
Drawn by: MS	04-06-2017

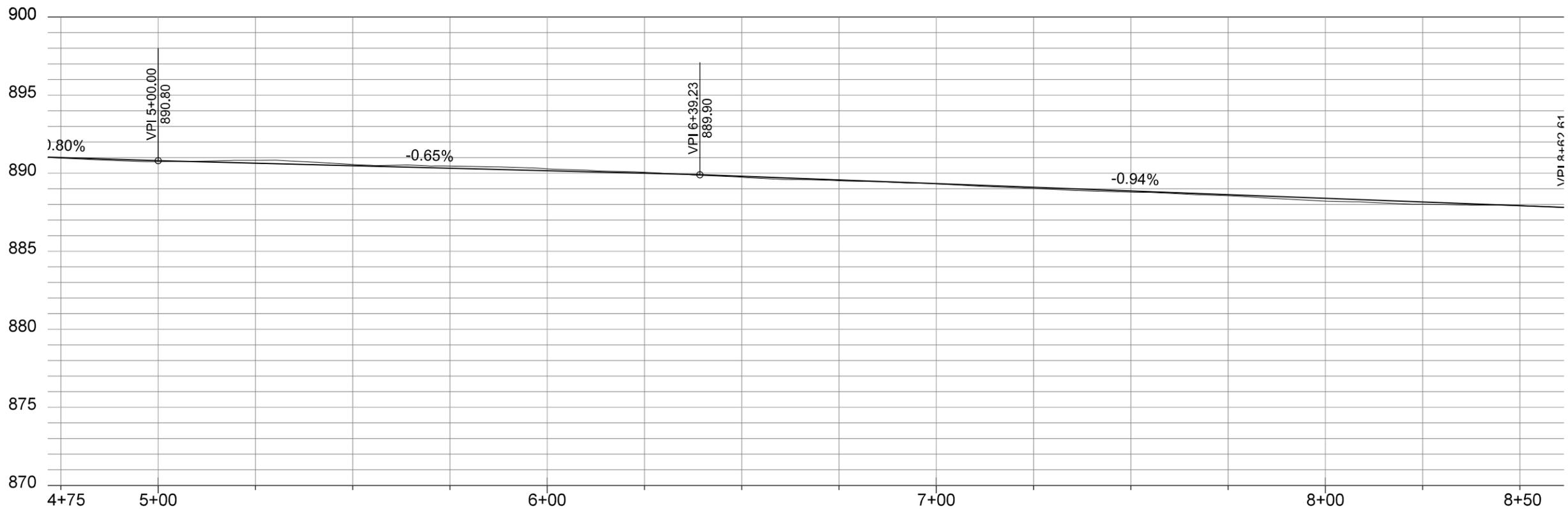
PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
**ADD ALTERNATE
 -VERTICAL
 ALIGNMENT**

SHEET NUMBER:
L803



STA 1+00 TO STA 4+75



STA 4+75 TO STA 8+50

City of Madison
 Department of Public Works
PARKS DIVISION
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PROJECT:
*PENN PARK
 PARKING LOT AND SITE
 IMPROVEMENTS*

*PENN PARK
 2101 FISHER STREET
 MADISON, WI*

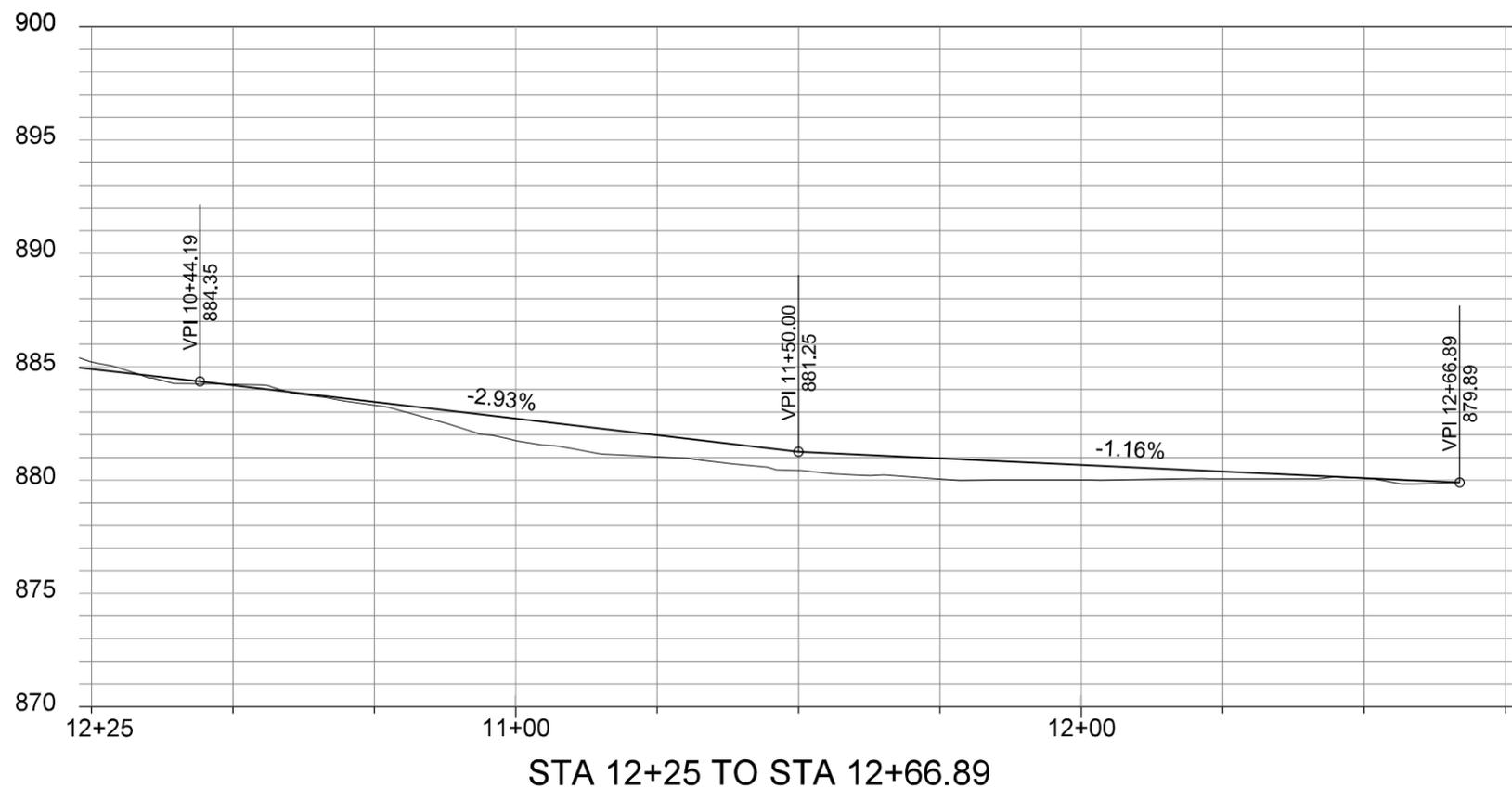
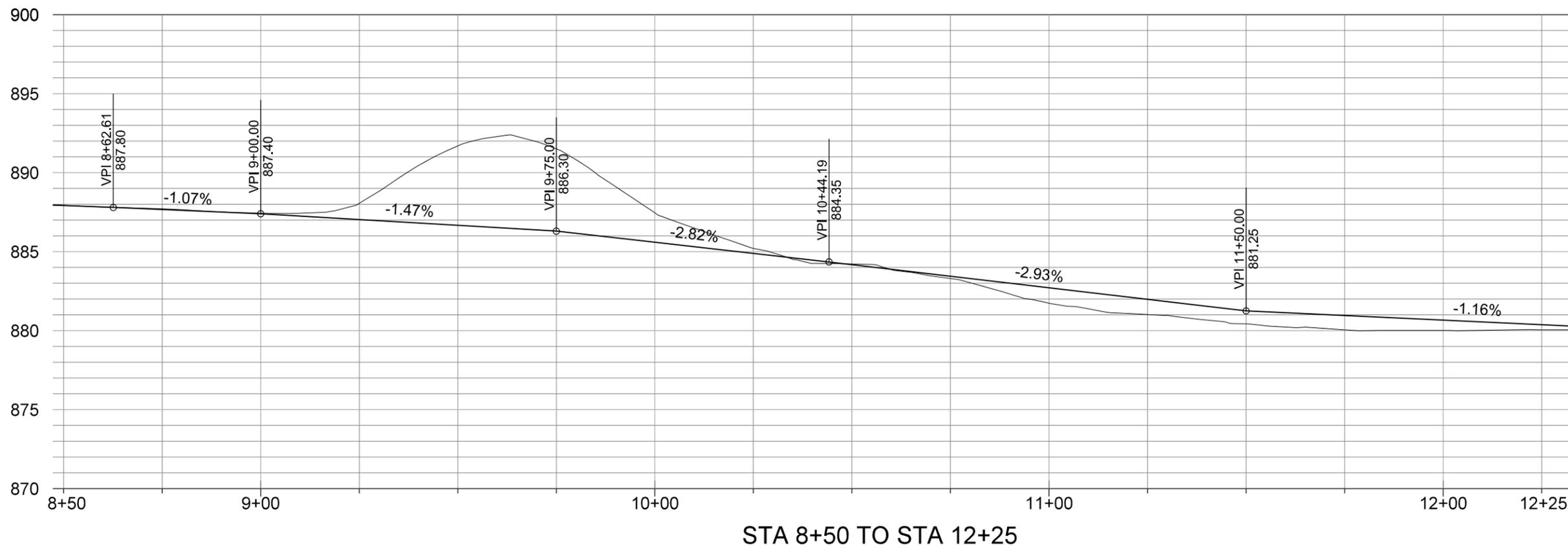
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ITEM	DATE
Drawn by: MS	04-06-2017

PUBLIC WORKS PROJECT #:
7933

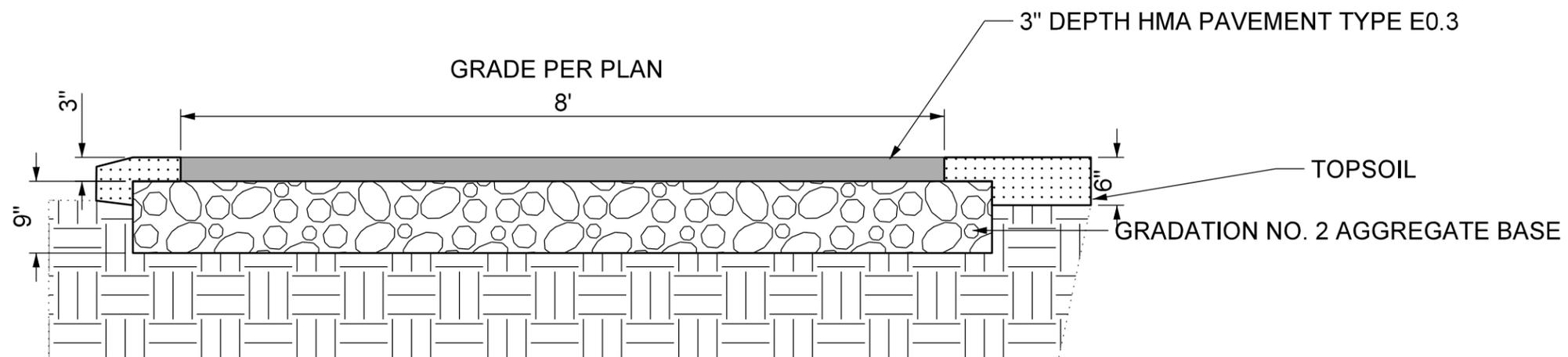
SHEET TITLE:
**ADD ALTERNATE
 -VERTICAL
 ALIGNMENT**

SHEET NUMBER:
L804



City of Madison
 Department of Public Works
PARKS DIVISION
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ASPHALT PATH SECTION (TYP.)

NTS

PROJECT:
*PENN PARK
 PARKING LOT AND SITE
 IMPROVEMENTS*

*PENN PARK
 2101 FISHER STREET
 MADISON, WI*

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ITEM	DATE
Drawn by: MS	04-06-2017

PUBLIC WORKS PROJECT #:
7933

SHEET TITLE:
**ADD ALTERNATE
 -TYPICAL PATH
 SECTION**

SHEET NUMBER:
L805