



BOARD OF DIRECTORS MEETING

April 9, 2024

4:00 P.M.

Auburn Hills City Hall, Administrative Conference Room • 1827 N. Squirrel Road, Auburn Hills, MI
Minutes of the TIFA Board Meeting will be on file in the City Clerk's Office • 248-370-9402

MEETING CALLED TO ORDER

1) ROLL CALL

2) PERSONS WISHING TO BE HEARD

3) APPROVAL OF MINUTES

- a) TIFA Regular Meeting Minutes – March 12, 2024

4) CORRESPONDENCE & PRESENTATIONS

5) CONSENT AGENDA

All items listed are considered to be routine by the Tax Increment Finance Authority and will be enacted by one motion. There will be no separate discussion of these items unless a Board Member so requests, in which event the item will be removed from the Consent Agenda and considered in its normal sequence on the agenda.

- a) FY 2024 Adopted Budget and YTD Summary – March 31, 2024

6) UNFINISHED BUSINESS

7) NEW BUSINESS

- a) Approval of a Budget Amendment for the Construction of the Public Square

8) EXECUTIVE DIRECTOR REPORT

9) BOARD MEMBER COMMENTS

10) ADJOURNMENT

Next Meeting is Scheduled for May 14, 2024 at 4:00 p.m.



CITY OF AUBURN HILLS CITY COUNCIL AGENDA

MEETING DATE: APRIL 1, 2024

AGENDA ITEM NO _____

TAX INCREMENT FINANCE AUTHORITY

**“Not Yet Approved”
CITY OF AUBURN HILLS
TAX INCREMENT FINANCE AUTHORITY MEETING**

March 12, 2024

CALL TO ORDER: Chairman Kneffel called the meeting to order at 4:00 PM.

ROLL CALL: Present: Kneffel, Goodhall, Gudmundsen, Eldredge, Fletcher, Waltenspiel, Moniz
Absent:
Also Present: Brandon Skopek, Assistant City Manager & TIFA Executive Director; Andrew Hagge, Assistant to the City Manager; Thomas Tanghe, City Manager; Steve Cohen, Director of Community Development; Tim Wisser, Manager of Municipal Properties; Karen Adcock, Director of Recreation & Senior Services
Guests: Jack McInerney & Pat Chisholm of Greystone Pickleball Club, LLC

LOCATION: Council Conference Room, 1827 N. Squirrel Road, Auburn Hills, MI 48326

PERSONS WISHING TO BE HEARD

Mr. Skopek began the meeting with introductions from all of those in attendance at the Tax Increment Finance Authority meeting.

APPROVAL OF MINUTES

A. Joint TIFA & DDA Meeting Minutes – February 13, 2024

There was no discussion on the approval of the minutes.

Moved by Mr. Goodhall to approve the Joint TIFA & DDA Meeting Minutes from February 13, 2024, as presented.

Seconded by Mr. Waltenspiel

**Yes: Kneffel, Goodhall, Gudmundsen, Eldredge, Fletcher, Waltenspiel, Moniz
No: none**

B. TIFA Regular Meeting Minutes – February 13, 2024

There was no discussion on the approval of the minutes.

Moved by Mr. Goodhall to approve the TIFA Regular Meeting Minutes from February 13, 2023, as presented.

Seconded by Mr. Gudmundsen

CORRESPONDENCE & PRESENTATIONS

None.

CONSENT AGENDA

A. FY 2024 Adopted Budget and YTD Summary – February 29, 2024

Mr. Moniz pulled the Consent Agenda item regarding the FY 2024 Adopted Budget and YTD Summary. The agenda item then becomes the first agenda item under New Business.

B. Receive and File the 2023 TIFA Annual Report

Moved by Mr. Moniz to Receive and File the 2023 TIFA Annual Report.

Seconded by Mr. Goodhall

Yes: Kneffel, Goodhall, Gudmundsen, Eldredge, Fletcher, Waltenspiel, Moniz
No: none

Motion carried

UNFINISHED BUSINESS

None.

NEW BUSINESS**A. FY 2024 Adopted Budget and YTD Summary – February 29, 2024**

Mr. Moniz asked a question regarding the FY24 YTD Summary. Specifically, Mr. Moniz inquired about a line item that noted a “project in process.” Mr. Skopek explained that he will look further into that specific line item, but also mentioned to the Board that the “project in process” most likely refers to the kitchen renovation project that has taken place in the Auburn Hills Community Center.

Moved by Mr. Moniz to approve the FY 2024 Adopted Budget and YTD Summary – February 29, 2024

Seconded by Mr. Waltenspiel

Yes: Kneffel, Goodhall, Gudmundsen, Eldredge, Fletcher, Waltenspiel, Moniz
No: None

Motion Carried

B. Request to Approve Development Incentive Grant to Greystone Pickleball Club, LLC

Mr. Skopek presented the agenda item related to the development incentive grant to Greystone Pickleball Club, LLC. Mr. Skopek explained that the Greystone Pickleball Club represents both an opportunity for a new development to come onto the City’s tax rolls as well as additional recreational chances for our residents. Mr. Skopek explained the several reasons for the development incentive grant, which include the parcel’s configuration making it difficult to develop, the quality and type of soils on the property, which require far more expensive footings and foundations, and the need for parking will cause the stormwater detention to be built underground instead of surface detention.

The Board inquired about the timing of the grant payments to Greystone Pickleball Club, LLC. The Board cited a potential concern that the City would award a grant before the construction has taken place. Mr. Skopek and Mr. Tanghe explained that the total grant amount would be broken out into three separate payments, which would be triggered by the progress of the construction.

Additionally, representatives of Greystone Pickleball Club, LLC, Jack McNerney and Pat Chisholm, presented the designs of the development to the Board as well as their intentions for the use of the development, which is not limited solely to the play of pickleball.

Moved by Dr. Fletcher to adopt the attached resolution providing a grant to Greystone Pickleball Club, LLC in the amount of \$946,500 and paid in accordance with the provisions contained therein; and authorize the Chairman and Executive

Director to sign the Resolution on behalf of the Board. As this is an incentive grant for the recruitment of the business, any funds not used specifically for the work contained in the March 4, 2024 memo from Kemp Building & Development Company may be applied by Greystone Pickleball Club, LLC toward the overall project. The incentive, and any release of it, shall be subject to Greystone Pickleball Club and the City agreeing upon a discount program for the residents of the city under similar terms and conditions that have already been discussed. Furthermore, authorize the Finance Department to make the necessary budget amendments to the 2024 TIF-B budget in support of this development incentive grant.

Seconded by Mr. Goodhall

Yes: Kneffel, Goodhall, Gudmundsen, Eldredge, Fletcher, Waltenspiel, Moniz
No: None

Motion Carried

C. Replacement of Playground Equipment at River Woods Park

Ms. Adcock presented to the Board the agenda item the replacement of playground equipment at River Woods Park. Ms. Adcock explained that the current playground equipment at River Woods Park was installed in 2002 and has begun to deteriorate. Additionally, city staff has determined that repairs of the current equipment is no longer worthwhile, and new playground equipment should be purchased. A staff committee was assembled to review the qualified suppliers of new equipment. Ultimately, the committee decided that a custom playground by Playworld Systems was the best fit and value for River Woods Park.

Moved by Mr. Moniz to approve the purchase of all equipment and services needed to replace the River Woods Park playground and Midstates Recreation in an amount not to exceed \$290,474.65, as specified in the attached exhibits.

Seconded by Mr. Gudmundsen

Yes: Kneffel, Goodhall, Gudmundsen, Eldredge, Fletcher, Waltenspiel, Moniz
No: None

Motion Carried

EXECUTIVE DIRECTOR REPORT

Mr. Hagge provided an update on the use and costs of the Splash Pad, located within Riverside Park. The Board had requested that city staff investigate alternative uses of the splash pad water to reduce the costs associated with operating the splash pad. Regarding the idea of creating a well designated for the Splash Pad, Mr. Hagge reported that a well will not be allowed because of the proximity of Riverside Park and Splash Pad to contamination sites along Auburn Road. Additionally, Mr. Hagge reported that through the efforts of the Department of Public Works, the costs associated with the Splash Pad have dropped dramatically. In 2019, the approximate cost of the Splash Pad was \$43,000, and in 2023 the approximate cost of operating the Splash Pad was \$15,000.

BOARD MEMBER COMMENTS

None.

ANNOUNCEMENT OF NEXT MEETING

The next regularly scheduled TIFA Board of Directors meeting is scheduled for Tuesday, April 9, 2024 at 4:00 p.m. in the Administrative Conference Room in City Hall at, 1827 N. Squirrel Road, Auburn Hills, Michigan 48326.

ADJOURNMENT

Moved by Mr. Waltenspiel to adjourn the TIFA Board meeting.

Seconded by Mr. Moniz

Yes: Kneffel, Goodhall, Gudmundsen, Eldredge, Fletcher, Waltenspiel, Moniz
No: None

Motion Carried

The TIFA Board of Directors meeting adjourned at 5:23 p.m.

Steve Goodhall
Secretary of the Board

Andrew Hagge
Assistant to the City Manager



TO: Chairman Kneffel and Members of the TIFA Board of Directors

FROM: Brandon Skopek, Asst. City Manager, TIFA Executive Director; Andrew Hagge, Asst. to the City Manager

DATE: April 1, 2024

SUBJECT: FY 2024 Adopted Budget and YTD Summary – March 31, 2024

STATEMENT OF NET POSITION

- TIF-A Cash \$2.7 million
- \$1.3 million invested TIF-A
 - \$446,296 – Investment Pooling
 - \$293,529 – Insight
 - \$567,682– MiClass
- TIF-B Cash \$4.2 million
- \$11.2 million invested in TIF-B
 - \$8.1 million – Insight
 - \$3.1 million – MiClass
- TIF-D Cash \$2.7 million
- \$1.4 million invested in TIF-D
 - \$1.4 million – Insight
 - \$536 - MiClass

TIFA 85-A STATEMENT OF REVENUES AND EXPENDITURES

- Approximately 50% of budgeted revenues have been received for TIF-A in fiscal year 2024.

Property Taxes:	\$748,778
Building Rental:	\$22,668
Interest:	\$15,174
EV Charging Fees:	\$760
	<hr/>
	\$787,380
- Approximately 4% of budgeted expenditures have been utilized for fiscal year 2024.

TIFA 85-B STATEMENT OF REVENUES AND EXPENDITURES

- Approximately 56% of budgeted revenues have been received for TIF-B in fiscal year 2024.

Property Taxes:	\$1,052,233
Interest:	\$45,756
	<hr/>
	\$1,097,989
- Approximately 3% of budgeted expenditures have been utilized for fiscal year 2024.

TIFA 86-D STATEMENT OF REVENUES AND EXPENDITURES

- Approximately 19% of budgeted revenues have been received for TIF-D in fiscal year 2024.

Property Taxes:	\$188,123
Interest:	\$19,387
EV Charging Fees:	\$222
	<hr/>
	\$207,732
- Approximately 32% of budgeted expenditures have been utilized for fiscal year 2024.

An appropriate motion is:

Move to receive and file the TIFA Financial Report for period ending March 31, 2024

BALANCE SHEET REPORT FOR CITY OF AUBURN HILLS
Balance As of 03/31/2024

GL Number	Description	YTD Balance 03/31/2024
Fund: 251 TIFA A		
*** Assets ***		
251-000-001.000	CASH	2,741,931.48
251-000-017.000	CASH - INVESTMENT POOLING	446,296.38
251-000-017.002	INVESTMENT MANAGER - CUTWATER	293,528.52
251-000-017.004	CASH - MICCLASS	567,681.63
251-000-062.000	Lease Receivable	139,272.00
251-000-072.000	DUE FROM COUNTIES	510.15
251-000-084.703	DUE FROM TRUST AND AGENCY	(510.15)
251-000-130.000	LAND	6,336,254.47
251-000-132.000	LAND IMPROVEMENTS	5,199,115.52
251-000-133.000	ACCUM DEPREC-LAND & IMPROV	(2,488,764.02)
251-000-136.000	BLDGS, BLDG ADDITIONS AND	6,409,122.17
251-000-137.000	ACCUM DEPREC-BLDGS & ADDS & IMPROVEMNTS	(1,634,607.70)
251-000-146.000	OFFICE EQUIPMENT AND FURN	164,753.78
251-000-147.000	ACC. DEPR. - OFFICE EQUIP	(164,754.07)
251-000-158.000	CONSTRUCTION-IN-PROGRESS	0.26
251-000-159.000	MACHINERY & EQUIPMENT	167,877.38
251-000-160.000	ACCUM DEPREC-MACH & EQUIP	(102,574.83)
251-000-163.000	ROADS & INFRASTRUCTURE	17,713,486.23
251-000-164.000	ACCUM DEPREC-ROAD & INFRASTURE	(9,660,285.64)
Total Assets		26,128,333.56
*** Liabilities ***		
251-000-211.000	RETAINAGE PAYABLE	0.01
251-000-275.000	DUE TO TAXPAYERS	665.88
251-000-360.001	Deferred Inflow of Resources	139,272.00
Total Liabilities		139,937.89
*** Fund Equity ***		
251-000-390.000	FUND BALANCE	25,656,500.25
Total Fund Equity		25,656,500.25
Total Fund 251:		
TOTAL ASSETS		26,128,333.56
BEG. FUND BALANCE - 2023		25,656,500.25
+ NET OF REVENUES/EXPENDITURES - 2023		(402,028.82)
+ NET OF REVENUES & EXPENDITURES		733,924.24
= ENDING FUND BALANCE		25,988,395.67
+ LIABILITIES		139,937.89
= TOTAL LIABILITIES AND FUND BALANCE		26,128,333.56

BALANCE SHEET REPORT FOR CITY OF AUBURN HILLS
Balance As of 03/31/2024

GL Number	Description	YTD Balance 03/31/2024
Fund: 252 TIFA B		
*** Assets ***		
252-000-001.000	CASH	4,239,044.77
252-000-017.002	INVESTMENT MANAGER - CUTWATER	8,155,741.52
252-000-017.004	CASH - MICLASS	75.54
252-000-017.005	CASH - MICLASS EDGE	3,163,879.02
252-000-132.000	LAND IMPROVEMENTS	1,415,205.92
252-000-133.000	ACCUM DEPREC-LAND & IMPROV	(1,058,321.52)
252-000-159.000	MACHINERY & EQUIPMENT	34,200.00
252-000-160.000	ACCUM DEPREC-MACH & EQUIP	(13,680.00)
252-000-163.000	ROADS & INFRASTRUCTURE	9,772,855.05
252-000-164.000	ACCUM DEPREC-ROAD & INFRASTURE	(3,309,233.65)
Total Assets		22,399,766.65
*** Liabilities ***		
252-000-275.000	DUE TO TAXPAYERS	15.12
Total Liabilities		15.12
*** Fund Equity ***		
252-000-390.000	FUND BALANCE	19,538,195.65
Total Fund Equity		19,538,195.65
Total Fund 252:		
TOTAL ASSETS		22,399,766.65
BEG. FUND BALANCE - 2023		19,538,195.65
+ NET OF REVENUES/EXPENDITURES - 2023		1,826,020.98
+ NET OF REVENUES & EXPENDITURES		1,035,534.90
= ENDING FUND BALANCE		22,399,751.53
+ LIABILITIES		15.12
= TOTAL LIABILITIES AND FUND BALANCE		22,399,766.65

BALANCE SHEET REPORT FOR CITY OF AUBURN HILLS
Balance As of 03/31/2024

GL Number	Description	YTD Balance 03/31/2024
Fund: 253 TIFA D		
*** Assets ***		
253-000-001.000	CASH	2,690,142.45
253-000-017.002	INVESTMENT MANAGER - CUTWATER	1,406,697.83
253-000-017.004	CASH - MICCLASS	536.27
253-000-130.000	LAND	2,017,211.00
253-000-132.000	LAND IMPROVEMENTS	3,726,962.87
253-000-133.000	ACCUM DEPREC-LAND & IMPROV	(1,419,258.46)
253-000-136.000	BLDGS, BLDG ADDITIONS AND	20,466,188.80
253-000-137.000	ACCUM DEPREC-BLDGS & ADDS & IMPROVEMNTS	(9,945,301.76)
253-000-146.000	OFFICE EQUIPMENT AND FURN	25,794.03
253-000-147.000	ACC. DEPR. - OFFICE EQUIP	(10,316.94)
253-000-158.000	CONSTRUCTION-IN-PROGRESS	317,853.49
253-000-159.000	MACHINERY & EQUIPMENT	42,919.48
253-000-160.000	ACCUM DEPREC-MACH & EQUIP	(36,869.57)
253-000-163.000	ROADS & INFRASTRUCTURE	8,984,067.60
253-000-164.000	ACCUM DEPREC-ROAD & INFRASTURE	(2,753,018.91)
Total Assets		25,513,608.18
*** Liabilities ***		
253-000-275.000	DUE TO TAXPAYERS	18,625.00
Total Liabilities		18,625.00
*** Fund Equity ***		
253-000-390.000	FUND BALANCE	25,391,499.20
Total Fund Equity		25,391,499.20
Total Fund 253:		
TOTAL ASSETS		25,513,608.18
BEG. FUND BALANCE - 2023		25,391,499.20
+ NET OF REVENUES/EXPENDITURES - 2023		67,027.54
+ NET OF REVENUES & EXPENDITURES		36,456.44
= ENDING FUND BALANCE		25,494,983.18
+ LIABILITIES		18,625.00
= TOTAL LIABILITIES AND FUND BALANCE		25,513,608.18

REVENUE AND EXPENDITURE REPORT FOR CITY OF AUBURN HILLS

Balance As of 03/31/2024

*NOTE: Available Balance / Pct Budget does not reflect amounts encumbered.

GL Number	Description	2024 Amended Budget	YTD Balance 03/31/2024	Activity For 03/31/2024	Available Balance 03/31/2024	% Bdgt Used
Fund: 251 TIFA A						
Account Category: Revenues						
Department: 735 TIFA A						
251-735-402.000	AD VALOREM	1,235,218.00	748,778.07	(7,488.28)	486,439.93	60.62
251-735-412.000	DELINQUENT PERSONAL PROPERTY	5,500.00	0.00	0.00	5,500.00	0.00
251-735-414.000	MTT YE ACCRUAL	(19,816.00)	0.00	0.00	(19,816.00)	0.00
251-735-573.000	LOCAL COMMUNITY STABILIZATION SHARE	237,451.00	0.00	0.00	237,451.00	0.00
251-735-651.400	U&A FEES - ELECTRIC VEHICLE CHARGING	300.00	760.04	402.51	(460.04)	253.35
251-735-665.000	INTEREST REVENUE	58,287.00	13,927.64	0.00	44,359.36	23.89
251-735-667.000-CHAMBER_3395	BUILDING RENTAL - EXTERNAL	21,069.00	5,181.00	1,727.00	15,888.00	24.59
251-735-667.000-PKSTRUC_3381	BUILDING RENTAL - EXTERNAL	40,609.00	17,487.36	0.00	23,121.64	43.06
251-735-669.001	INTEREST REV EXT MANAGERS	0.00	1,246.00	0.00	(1,246.00)	100.00
Total Dept 735 - TIFA A		1,578,618.00	787,380.11	(5,358.77)	791,237.89	49.88
Revenues		1,578,618.00	787,380.11	(5,358.77)	791,237.89	49.88
Account Category: Expenditures						
Department: 735 TIFA A						
251-735-722.000	WORKERS COMPENSATION	0.00	46.22	0.00	(46.22)	100.00
251-735-729.000	PRINTING	1,500.00	0.00	0.00	1,500.00	0.00
251-735-730.000	POSTAGE	250.00	17.85	0.00	232.15	7.14
251-735-757.000-THEDEN__3388	OPERATING SUPPLIES	500.00	0.00	0.00	500.00	0.00
251-735-800.199	LANDSCAPE/GEN MAINT	136,200.00	442.35	0.00	135,757.65	0.32
251-735-802.000-CHAMBER_3395	CONTRACTED SERVICES	8,000.00	0.00	0.00	8,000.00	0.00
251-735-802.000-THEDEN__3388	CONTRACTED SERVICES	8,000.00	0.00	0.00	8,000.00	0.00
251-735-810.000	INVESTMENT MANAGEMENT FEES	415.00	32.52	18.62	382.48	7.84
251-735-817.000	CONSULTANT SERVICES	5,000.00	7,121.38	0.00	(2,121.38)	142.43
251-735-851.000-PKSTRUC_3381	TELEPHONE	1,183.00	89.82	0.00	1,093.18	7.59
251-735-851.000-THEDEN__3388	TELEPHONE	0.00	92.75	0.00	(92.75)	100.00
251-735-885.000	COMMUNITY RELATIONS	5,000.00	0.00	0.00	5,000.00	0.00
251-735-885.000-TREELIGHTING	COMMUNITY RELATIONS	10,000.00	0.00	0.00	10,000.00	0.00
251-735-921.000-CHAMBER_3395	ELECTRIC	2,149.00	253.11	119.55	1,895.89	11.78
251-735-921.000-PKSTRUC_3381	ELECTRIC	25,000.00	7,656.49	3,511.38	17,343.51	30.63
251-735-921.000-THEDEN__3388	ELECTRIC	2,360.00	314.32	133.66	2,045.68	13.32
251-735-922.000	STREET LIGHTING	42,000.00	9,522.35	4,571.12	32,477.65	22.67
251-735-922.000-RIVERSD_3311	STREET LIGHTING	6,250.00	1,613.04	758.96	4,636.96	25.81
251-735-922.000-SKATEPRK_202	STREET LIGHTING	300.00	51.44	25.41	248.56	17.15
251-735-923.000-CHAMBER_3395	HEAT	1,700.00	455.20	163.03	1,244.80	26.78
251-735-923.000-PKSTRUC_3381	HEAT	250.00	51.32	16.80	198.68	20.53
251-735-923.000-THEDEN__3388	HEAT	1,500.00	487.78	218.96	1,012.22	32.52
251-735-924.000-CHAMBER_3395	CABLE TV SERVICES	1,484.00	124.85	0.00	1,359.15	8.41
251-735-924.000-THEDEN__3388	CABLE TV SERVICES	2,181.00	252.72	0.00	1,928.28	11.59
251-735-927.000-CHAMBER_3395	WATER CONSUMPTION	1,000.00	10.60	10.60	989.40	1.06
251-735-927.000-FIREST1_3483	WATER CONSUMPTION	4,000.00	244.84	122.67	3,755.16	6.12
251-735-927.000-PKSTRUC_3381	WATER CONSUMPTION	690.00	18.20	9.10	671.80	2.64
251-735-927.000-RIVERSD_3311	WATER CONSUMPTION	27,800.00	105.50	0.00	27,694.50	0.38
251-735-927.000-RIVERWDS_300	WATER CONSUMPTION	1,100.00	0.00	0.00	1,100.00	0.00
251-735-927.000-THEDEN__3388	WATER CONSUMPTION	900.00	10.92	5.46	889.08	1.21
251-735-929.000	IRRIGATION WATER AND MAINT.	40,000.00	81.35	39.92	39,918.65	0.20
251-735-931.000-CHAMBER_3395	BLDG. MAINTENANCE	6,253.00	3,752.64	0.00	2,500.36	60.01
251-735-931.000-PKSTRUC_3381	BLDG. MAINTENANCE	5,000.00	14,230.00	0.00	(9,230.00)	284.60

REVENUE AND EXPENDITURE REPORT FOR CITY OF AUBURN HILLS

Balance As of 03/31/2024

*NOTE: Available Balance / Pct Budget does not reflect amounts encumbered.

GL Number	Description	2024 Amended Budget	YTD Balance 03/31/2024	Activity For 03/31/2024	Available Balance 03/31/2024	% Bdgt Used
Fund: 251 TIFA A						
Account Category: Expenditures						
Department: 735 TIFA A						
251-735-931.000-THEDEN__3388	BLDG. MAINTENANCE	2,000.00	0.00	0.00	2,000.00	0.00
251-735-935.005	BRIDGE REPAIRS AND MAINTENANCE	3,500.00	0.00	0.00	3,500.00	0.00
251-735-937.000	PARKING LOT MAINTENANCE	2,500.00	0.00	0.00	2,500.00	0.00
251-735-937.001	PATHWAY MAINTENANCE	10,000.00	0.00	0.00	10,000.00	0.00
251-735-937.003	SIDEWALK MAINTENANCE	10,000.00	0.00	0.00	10,000.00	0.00
251-735-957.000	MISC/CONTINGENCY	100.00	48.31	48.31	51.69	48.31
251-735-957.002	LIABILITY INSURANCE	6,322.00	6,328.00	6,328.00	(6.00)	100.09
251-735-959.000	PROPERTY TAXES	5,500.00	0.00	0.00	5,500.00	0.00
251-735-967.100	SITE IMPROVEMENT GRANTS	190,000.00	0.00	0.00	190,000.00	0.00
251-735-972.000	LAND AND IMPROVEMENTS	800,000.00	0.00	0.00	800,000.00	0.00
251-735-995.004	ADMINISTRATIVE CHARGES	35,158.00	0.00	0.00	35,158.00	0.00
251-735-995.007	INTERFUND SERVICES	50,621.00	0.00	0.00	50,621.00	0.00
Total Dept 735 - TIFA A		1,463,666.00	53,455.87	16,101.55	1,410,210.13	3.65
Expenditures		1,463,666.00	53,455.87	16,101.55	1,410,210.13	3.65
Fund 251 - TIFA A:						
TOTAL REVENUES		1,578,618.00	787,380.11	(5,358.77)	791,237.89	
TOTAL EXPENDITURES		1,463,666.00	53,455.87	16,101.55	1,410,210.13	
NET OF REVENUES & EXPENDITURES:		114,952.00	733,924.24	(21,460.32)	(618,972.24)	

REVENUE AND EXPENDITURE REPORT FOR CITY OF AUBURN HILLS

Balance As of 03/31/2024

*NOTE: Available Balance / Pct Budget does not reflect amounts encumbered.

GL Number	Description	2024 Amended Budget	YTD Balance 03/31/2024	Activity For 03/31/2024	Available Balance 03/31/2024	% Bdg Used
Fund: 252 TIFA B						
Account Category: Revenues						
Department: 736 TIFA B						
252-736-402.000	AD VALOREM	1,699,221.00	1,052,233.40	3,231.16	646,987.60	61.92
252-736-412.000	DELINQUENT PERSONAL PROPERTY	4,500.00	0.00	0.00	4,500.00	0.00
252-736-414.000	MTT YE ACCRUAL	(1,668.00)	0.00	0.00	(1,668.00)	0.00
252-736-573.000	LOCAL COMMUNITY STABILIZATION SHARE	100,420.00	0.00	0.00	100,420.00	0.00
252-736-665.000	INTEREST REVENUE	157,636.00	19,111.55	0.00	138,524.45	12.12
252-736-669.001	INTEREST REV EXT MANAGERS	0.00	26,644.00	0.00	(26,644.00)	100.00
Total Dept 736 - TIFA B		1,960,109.00	1,097,988.95	3,231.16	862,120.05	56.02
Revenues		1,960,109.00	1,097,988.95	3,231.16	862,120.05	56.02
Account Category: Expenditures						
Department: 736 TIFA B						
252-736-702.000	SALARIES/WAGES	66,209.00	13,409.60	4,624.00	52,799.40	20.25
252-736-713.000	CLOTHING ALLOWANCE	225.00	225.00	0.00	0.00	100.00
252-736-715.000	SOCIAL SECURITY	5,082.00	1,030.77	348.69	4,051.23	20.28
252-736-716.000	MEDICAL INSURANCE	15,449.00	2,968.85	1,187.54	12,480.15	19.22
252-736-716.001	MEDICAL INSURANCE EMPLOYEE PREMIUM	(772.00)	0.00	0.00	(772.00)	0.00
252-736-717.000	LIFE INSURANCE	389.00	25.48	12.74	363.52	6.55
252-736-719.000	EYE/DENTAL INSURANCE	1,766.00	165.52	146.63	1,600.48	9.37
252-736-720.000	PENSION DC	10,712.00	2,191.44	753.60	8,520.56	20.46
252-736-724.000	DISABILITY INSURANCE	1,273.00	127.94	85.26	1,145.06	10.05
252-736-725.000	PRESCRIPTION DRUGS	2,736.00	573.85	229.54	2,162.15	20.97
252-736-725.001	PRESCRIPTION EMPLOYEE PREMIUM	(137.00)	0.00	0.00	(137.00)	0.00
252-736-800.199	LANDSCAPE/GEN MAINT	106,000.00	38,684.06	0.00	67,315.94	36.49
252-736-810.000	INVESTMENT MANAGEMENT FEES	6,550.00	398.35	398.35	6,151.65	6.08
252-736-885.000	COMMUNITY RELATIONS	16,000.00	0.00	0.00	16,000.00	0.00
252-736-901.000	ADVERTISING/MARKETING	1,000.00	0.00	0.00	1,000.00	0.00
252-736-922.000	STREET LIGHTING	6,800.00	2,521.85	1,239.67	4,278.15	37.09
252-736-929.000	IRRIGATION WATER AND MAINT.	40,000.00	83.04	41.56	39,916.96	0.21
252-736-957.000	MISC/CONTINGENCY	600.00	48.30	48.30	551.70	8.05
252-736-967.100	SITE IMPROVEMENT GRANTS	100,000.00	0.00	0.00	100,000.00	0.00
252-736-972.000	LAND AND IMPROVEMENTS	1,500,000.00	0.00	0.00	1,500,000.00	0.00
252-736-973.005	NON MOTORIZED PATHWAYS	10,000.00	0.00	0.00	10,000.00	0.00
252-736-995.004	ADMINISTRATIVE CHARGES	50,211.00	0.00	0.00	50,211.00	0.00
252-736-995.007	INTERFUND SERVICES	42,633.00	0.00	0.00	42,633.00	0.00
252-736-995.203-CENTRERD_SAD	TRANSFER TO LOCAL STREETS	62,500.00	0.00	0.00	62,500.00	0.00
252-736-995.203-EXECUTIVESAD	TRANSFER TO LOCAL STREETS	62,500.00	0.00	0.00	62,500.00	0.00
252-736-995.203-INNOVATION	TRANSFER TO LOCAL STREETS	37,500.00	0.00	0.00	37,500.00	0.00
252-736-995.592	TRANSFER TO WATER & SEWER	100,000.00	0.00	0.00	100,000.00	0.00
Total Dept 736 - TIFA B		2,245,226.00	62,454.05	9,115.88	2,182,771.95	2.78
Expenditures		2,245,226.00	62,454.05	9,115.88	2,182,771.95	2.78
Fund 252 - TIFA B:						
TOTAL REVENUES		1,960,109.00	1,097,988.95	3,231.16	862,120.05	
TOTAL EXPENDITURES		2,245,226.00	62,454.05	9,115.88	2,182,771.95	
NET OF REVENUES & EXPENDITURES:		(285,117.00)	1,035,534.90	(5,884.72)	(1,320,651.90)	

REVENUE AND EXPENDITURE REPORT FOR CITY OF AUBURN HILLS

Balance As of 03/31/2024

*NOTE: Available Balance / Pct Budget does not reflect amounts encumbered.

GL Number	Description	2024 Amended Budget	YTD Balance 03/31/2024	Activity For 03/31/2024	Available Balance 03/31/2024	% Bdgt Used
Fund: 253 TIFA D						
Account Category: Revenues						
Department: 737 TIFA D						
253-737-402.000	AD VALOREM	348,418.00	188,123.18	1,992.55	160,294.82	53.99
253-737-414.000	MTT YE ACCRUAL	(8,456.00)	0.00	0.00	(8,456.00)	0.00
253-737-573.000	LOCAL COMMUNITY STABILIZATION SHARE	725,836.00	0.00	0.00	725,836.00	0.00
253-737-651.400	U&A FEES - ELECTRIC VEHICLE CHARGING	250.00	222.38	144.63	27.62	88.95
253-737-665.000	INTEREST REVENUE	28,499.00	14,081.27	0.00	14,417.73	49.41
253-737-669.001	INTEREST REV EXT MANAGERS	0.00	5,306.00	0.00	(5,306.00)	100.00
Total Dept 737 - TIFA D		1,094,547.00	207,732.83	2,137.18	886,814.17	18.98
Revenues		1,094,547.00	207,732.83	2,137.18	886,814.17	18.98
Account Category: Expenditures						
Department: 737 TIFA D						
253-737-800.199	LANDSCAPE/GEN MAINT	4,000.00	0.00	0.00	4,000.00	0.00
253-737-810.000	INVESTMENT MANAGEMENT FEES	1,300.00	79.32	79.32	1,220.68	6.10
253-737-885.000	COMMUNITY RELATIONS	1,500.00	0.00	0.00	1,500.00	0.00
253-737-922.000	STREET LIGHTING	53,000.00	14,746.72	5,805.34	38,253.28	27.82
253-737-927.000	WATER CONSUMPTION	100.00	0.00	0.00	100.00	0.00
253-737-927.000-2424SEYBURNX	WATER CONSUMPTION	400.00	0.00	0.00	400.00	0.00
253-737-927.000-2458ESEYBURN	WATER CONSUMPTION	0.00	5.92	1.49	(5.92)	100.00
253-737-927.000-ADMBLDG_1827	WATER CONSUMPTION	6,000.00	456.34	228.67	5,543.66	7.61
253-737-927.000-FIREADM_3410	WATER CONSUMPTION	0.00	52.02	22.37	(52.02)	100.00
253-737-927.000-LIBRARY_3400	WATER CONSUMPTION	4,000.00	414.05	209.59	3,585.95	10.35
253-737-927.000-SPORTFD_1800	WATER CONSUMPTION	12,000.00	17.88	9.75	11,982.12	0.15
253-737-929.000	IRRIGATION WATER AND MAINT.	77,000.00	0.00	0.00	77,000.00	0.00
253-737-931.000-ADMBLDG_1827	BLDG. MAINTENANCE	200,000.00	17,740.09	5,259.41	182,259.91	8.87
253-737-935.000	ROAD MAINTENANCE	25,000.00	0.00	0.00	25,000.00	0.00
253-737-937.003	SIDEWALK MAINTENANCE	5,000.00	0.00	0.00	5,000.00	0.00
253-737-957.000	MISC/CONTINGENCY	100.00	48.30	48.30	51.70	48.30
253-737-972.000-CAMPUSSIGNXX	LAND AND IMPROVEMENTS	125,000.00	0.00	0.00	125,000.00	0.00
253-737-975.000	BLDG. ADDITIONS & IMPROVEMENTS	0.00	203.50	0.00	(203.50)	100.00
253-737-975.000-COMMCTRKITCH	BLDG. ADDITIONS & IMPROVEMENTS	0.00	135,114.25	3,760.00	(135,114.25)	100.00
253-737-975.000-FIRESTATION2	BLDG. ADDITIONS & IMPROVEMENTS	0.00	2,398.00	0.00	(2,398.00)	100.00
253-737-995.004	ADMINISTRATIVE CHARGES	14,104.00	0.00	0.00	14,104.00	0.00
253-737-995.007	INTERFUND SERVICES	4,365.00	0.00	0.00	4,365.00	0.00
Total Dept 737 - TIFA D		532,869.00	171,276.39	15,424.24	361,592.61	32.14
Expenditures		532,869.00	171,276.39	15,424.24	361,592.61	32.14
Fund 253 - TIFA D:						
TOTAL REVENUES		1,094,547.00	207,732.83	2,137.18	886,814.17	
TOTAL EXPENDITURES		532,869.00	171,276.39	15,424.24	361,592.61	
NET OF REVENUES & EXPENDITURES:		561,678.00	36,456.44	(13,287.06)	525,221.56	
Report Totals:						
TOTAL REVENUES - ALL FUNDS		4,633,274.00	2,093,101.89	9.57	2,540,172.11	
TOTAL EXPENDITURES - ALL FUNDS		4,241,761.00	287,186.31	40,641.67	3,954,574.69	
NET OF REVENUES & EXPENDITURES:		391,513.00	1,805,915.58	(40,632.10)	(1,414,402.58)	



TO: Chairman Kneffel and Members of the TIFA Board of Directors

FROM: Brandon Skopek, Asst. City Manager, TIFA Executive Director; Tim Wisser, Mgr. of Municipal Properties

DATE: April 3, 2024

SUBJECT: Approval of a Budget Amendment for the Construction of the Public Square

INTRODUCTION AND HISTORY

Over the past two decades, the City of Auburn Hills has invested significantly in revitalizing the downtown area through various initiatives. These efforts, aimed at bolstering the community and supporting local businesses, have included economic development programs, infrastructure improvements, and the addition of park amenities, breathing new life into the heart of the City.

During the construction of several downtown projects, one notable example was the temporary installation of the “Pop-Up Public Square,” complete with artificial turf and outdoor furniture. This temporary green space quickly became a community hub, hosting events like Summerfest, Feed Your Soul, trivia nights, and in years prior, the Tree Lighting Ceremony. The overwhelming popularity of this temporary Public Square demonstrated the transformative impact such spaces can have, fostering a sense of community, providing recreational opportunities, and driving economic activity in the downtown corridor.

While the idea of establishing a Public Square in our downtown area has been explored for years, various challenges prevented the project from coming to fruition until now. Through persistent efforts to identify new funding opportunities, this vision of creating a central community gathering space has finally become a reality. After evaluating numerous design concepts, the project team has reached a consensus on the current proposed plan (Exhibit 1) to construct a Public Square in downtown Auburn Hills, strategically located south of Auburn Road, between the DEN and the 3400 Auburn Road building. The scope of work will include removal of the existing asphalt pavement and curb, removal of the existing MOMs Memorial, base improvements for artificial turf, installation of an underdrain system for drainage, construction of a stage structure and pergola structures, installation of seat walls/planter beds, landscaping, and site lighting.

BID PROCESS

On March 20, 2024, a public bid opening was conducted at the City Clerk’s office to consider bids for the above-mentioned project. A total of four bids were received (Exhibit 2). The four low bidders are included in the bid-tabulation results below for your review.

COMPANY NAME	ADDRESS	TOTAL
Bernal Contractors, Inc.	26079 Schoenherr, Warren	\$989,301.00
Warren Contractors and Development, Inc.	14979 Technology Dr., Shelby Twp, MI	\$1,040,351.00
Quadrat Construction LLC	15801 23 Mile Rd, Macomb, MI	\$1,095,110.46
WCI Contractors, Inc.	20210 Connner, Detroit, MI	\$1,247,015.00

Bernal Contractors, Inc. out of Warren, Michigan was the initial “as-read” low bidder for the project. However, upon review of the bids, Bernal did not include an amount for Crew Days in their bid. After analyzing the remaining contract items (excluding Crew Days) from the other bidders, Warren Contracting & Development, Inc.

Approval of a Budget Amendment for the Construction of the Public Square

from Shelby Township, Michigan, emerged as the lowest bidder. Warren Contracting & Development has over 30 years of experience in similar construction projects. They have completed numerous comparable scopes of work throughout the region, including projects for the City of Auburn Hills, such as the Riverside Park Amphitheater and the Community Center tennis courts.

Staff recommends awarding the contract to Warren Contracting & Development in the amount of \$970,151.00, based on the unit prices listed in their bid. The amount of \$70,200.00 entered for Crew Days is not included in the recommended award, as these payments are not made to the Contractor directly. Instead, they are represented in OHM Advisors' Scope of Construction Services.

The packet includes a summary of the construction services cost for the Public Square Project, as defined by OHM Advisors, along with their recommendation for awarding the project (Exhibit 3). The scope of services encompasses construction engineering, contract administration, and construction surveying. The total cost for these services shall not exceed \$97,500.00. This amount incorporates the estimated expenses for construction observation, commonly referred to as "crew days." Material testing services, to be provided by G2, are estimated at an additional \$14,000.00. Total project costs equate to \$1,081,651.00.

PROJECT FUNDING

As noted above, City staff has persistently pursued additional funding sources to bring the Public Square project to fruition. In the summer of 2023, staff applied for the Michigan Economic Development Corporation's Revitalization and Placemaking 2.0 Grant Program, seeking additional funding for this project. At the time, the estimated project costs for the Public Square came to \$900,000. In Fall 2023, staff was informed that the City was awarded \$450,000 in grant funding to support the construction of the Public Square. A 50% match is required for the grant and, therefore, the TIFA Board of Directors authorized funding support in the amount of \$200,000, which has been included in the FY2024 TIFA Budget. The remaining \$250,000 grant match is to be provided by the Auburn Hills Community Foundation.

As the Board will note, all bids received came in over the estimated construction costs for the Public Square. Therefore, a budget amendment will be required to close the funding gap for both construction costs and OHM Advisor's engineering services. Below is the proposed funding breakdown for the project.

FUNDING ENTITY	AMOUNT
Auburn Hills Tax Increment Finance Authority	\$381,651.00
Auburn Hills Community Foundation	\$250,000.00
Michigan Economic Development Corporation Grant	\$450,000.00
FUNDING TOTAL	\$1,081,651.00

Staff is recommending a budget amendment to the FY2024 TIF-A budget, increasing appropriations by \$181,651 in support of the project. The total funding match from the TIFA will be \$381,651.

STAFF RECOMMENDATION

Staff recommends the approval of a budget amendment to the FY2024 TIF-A budget, increasing appropriations by \$181,651, in support of the construction of the Public Square in downtown Auburn Hills.

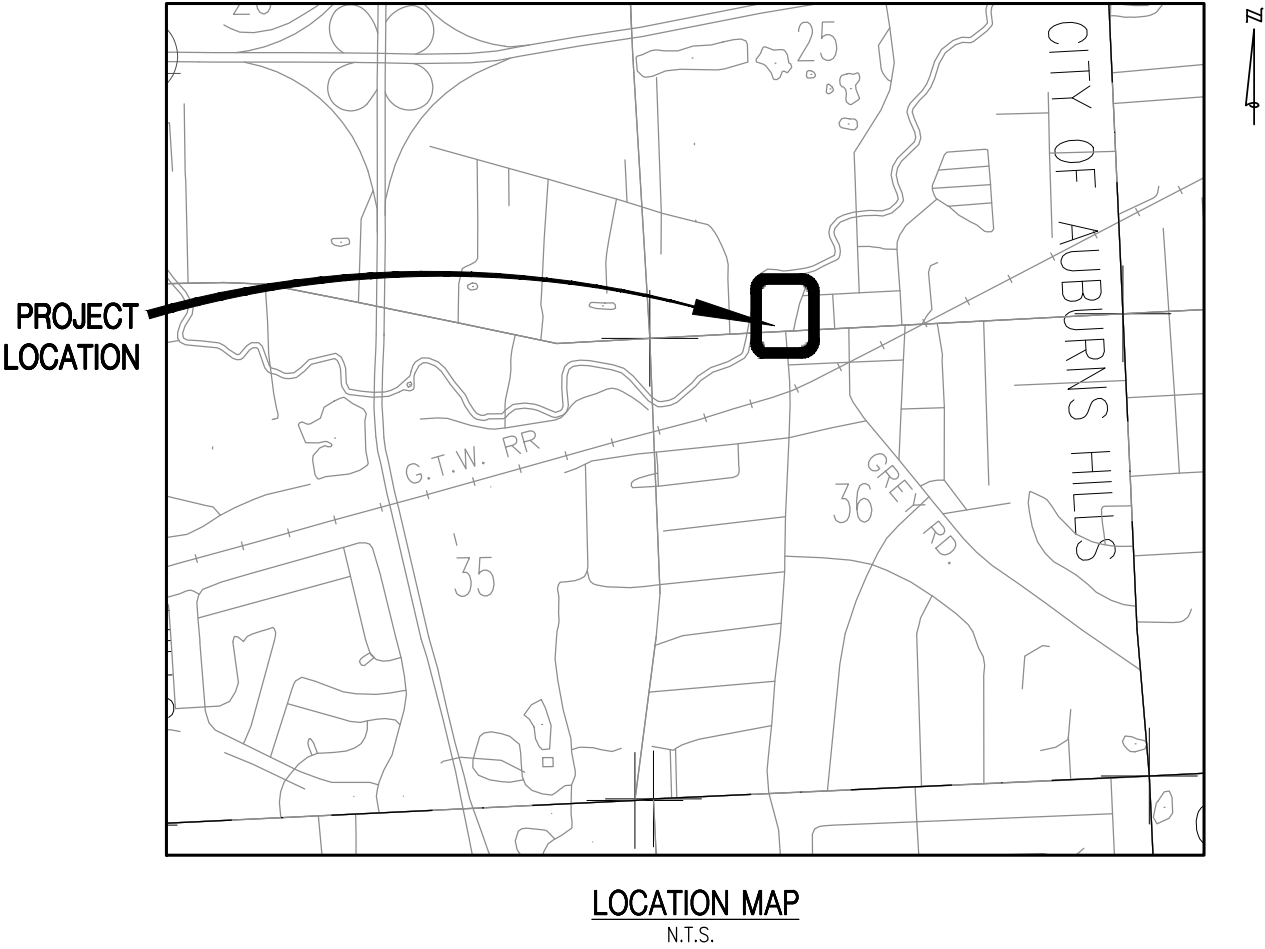
An appropriate motion is:

Move to authorize a budget amendment to increase appropriations in the 2024 TIF-A budget by \$181,651 in support of the construction of the Public Square. The total funding match by the TIFA shall be in the amount of \$381,651.

CITY OF AUBURN HILLS
OAKLAND COUNTY, MICHIGAN
AUBURN HILLS PUBLIC SQUARE

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES SHEET
3	LEGEND
4	REMOVAL PLAN
4	REMOVAL PLAN
6	UTILITY PLAN
7	LANDSCAPE MATERIALS PLAN
8	LANDSCAPE PLANTING PLAN
10	LANDSCAPE PLANTING DETAILS
11	LANDSCAPE SITE DETAILS
12	STAGE DETAILS
13	AWNING COLUMN AND SCULPTURE FOOTING DETAILS
14	STAGE AWNING DETAILS
15	AUBURN HILLS PUBLIC SQUARE
16	ELECTRICAL PLANS
17	ELECTRICAL DETAILS
18	ALTERNATE 1

M.D.O.T. STANDARD PLANS	
TITLE	PLAN NO.
DRAINAGE STRUCTURES	R-1-D
COVER B	R-7-E
COVER E	R-10-C
COVER K	R-15-D
*SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	*R-28-F
DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS	R-29-F
CONCRETE CURB AND CONCRETE CURB & GUTTER	R-30-E
GRANULAR BLANKET, UNDERDRAINS, OUTLET ENDINGS FOR UNDERDRAINS, AND SEWER BULKHEADS	R-80-D
UTILITY TRENCHES	R-83-B
PRECAST CONCRETE END SECTIONS FOR PIPE CULVERT	R-86-D
*SEEDING AND TREE PLANTING	*R-100-F
GRADING CROSS-SECTIONS	R-105-D
*MDOT SPECIAL DETAIL	



GENERAL PROVISIONS

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE PROPOSAL AND ACCOMPANYING SPECIFICATIONS FOR THIS PROJECT INCLUDING THE 2020 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2005 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND THE MICHIGAN DEPARTMENT OF TRANSPORTATION LOCAL AGENCY PROGRAMS GUIDELINES FOR GEOMETRICS DATED 8-28-08.

THE LOCATION OF ALL PUBLIC UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. THE CITY OF AUBURN HILLS WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATIONS SHOWN. PURSUANT TO ACTS 173 & 174 OF THE P.A. OF 2013, AS A CONDITION OF THIS CONTRACT, NOTICE SHALL BE GIVEN TO MISS DIG PRIOR TO UNDERGROUND WORK TO BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT. PHONE (800) 482-7171 (OR 811). UTILITY SERVICE CONNECTIONS ARE NOT SHOWN ON THE PLANS AND ARE NOT THE RESPONSIBILITY OF THE CITY OF AUBURN HILLS.

THE ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988 VERTICAL DATUM.

APPLICATION DATE	PERMITS	APPROVAL DATE
	NONE	

CITY OF AUBURN HILLS
CITY COUNCIL

BRIAN MARZOLF
• MAYOR •

EUGENE HAWKINS III
• MAYOR PRO-TEM •

JACK D. FERGUSON
SHAWANNA FLETCHER

HENRY V. KNIGHT

KEVIN McDANIEL

CHERYL VERBEKE
• COUNCIL MEMBERS •

CONTRACT FOR: RECONSTRUCTION OF THE EXISTING PUBLIC SQUARE, INCLUDING THE REMOVAL OF THE EXISTING PARKING SURFACE, INSTALLATION OF ARTIFICIAL TURF, A STAGE, OVERHEAD SHADE STRUCTURES, AND LANDSCAPE PLANTINGS.



Advancing Communities

34000 Plymouth Road | Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427

PREPARED UNDER THE SUPERVISION OF:

BEN WEAVER, PLA

2/16/2024

Date

3901001575

Registration No.

REVISIONS

02/16/2024 REBIDDING

PROJECT NO.

0120-20-0300

SHEET NO.

1 OF 18

DRAWING PATH: \\omh\dfs\Corporate\Projects\0101_0125\012020300_Auburn Hills Public Square\Drawings\Civil\Misc\2030300NOT.dwg Feb 16, 2024 - 12:03pm

CITY STANDARD NOTES

NO WORK SHALL BE PERFORMED WITHOUT INSPECTION.

ALL STREETS MUST BE MAINTAINED DURING CONSTRUCTION. STREETS SHALL BE KEPT FREE OF MUD, DIRT, CONSTRUCTION DEBRIS, DUST AND THE LIKE. IF CLEANUP IS NOT PERFORMED WITHIN 24 HOURS OF NOTIFICATION, THE MUNICIPALITY RESERVES THE RIGHT TO PERFORM THE WORK AND CHARGE THE CONTRACTOR ACCORDINGLY. PAYMENT IS INCLUDED IN PROJECT CLEANUP.

WORKING HOURS (INCLUDING RUNNING OF ANY MACHINERY) SHALL BE RESTRICTED TO MONDAY THROUGH SATURDAY, 7:00 AM TO 7:00 PM; SUNUP TO SUNDOWN; WHICHEVER IS LESS. CONSTRUCTION OPERATIONS BEYOND THE PERIODS MENTIONED ABOVE SHALL BE PERMITTED ONLY AFTER WRITTEN APPROVAL BY THE ENGINEER OR THE MUNICIPALITY. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES FOR NOISE LEVELS, VIBRATIONS, OR ANY OTHER RESTRICTIONS. NO ADDITIONAL COMPENSATION WILL BE PAID FOR ANY WINTER PROTECTION MEASURES THAT MAY BE REQUIRED TO COMPLETE THE CONTRACT WORK.

ALL MATERIALS AND MANUFACTURERS SHALL CONFORM TO THE STANDARD DETAILS.

UTILITY STRUCTURES SHALL NOT BE LOCATED IN DRIVEWAYS, AND WHERE POSSIBLE, SHALL NOT BE LOCATED IN PAVED AREAS.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH ACTS 173 AND 174 OF P.A. OF 2013 (MISS DIG 1-800-482-7171 OR 811) AND MUNICIPAL UTILITY/FIRE/POLICE CREWS THREE (3) WORKING DAYS BEFORE THE START OF ANY CONSTRUCTION.

THE CONTRACTOR SHALL PROVIDE NECESSARY SIGNS, BARRICADES AND LIGHTS TO PROTECT TRAFFIC AND THE WORK AS DIRECTED BY THE ENGINEER. SUCH DEVICES SHALL BE PLACED PRIOR TO STARTING WORK IN AFFECTED AREAS.

PERMANENT STRUCTURES OF ANY TYPE, INCLUDING BUT NOT LIMITED TO, TREES, LIGHT POLES, DRAINAGE STRUCTURES, SANITARY STRUCTURES, BENCHES, TRASH RECEPTACLES, ETC., WILL NOT BE ALLOWED WITHIN THE INFLUENCE OF THE PUBLIC WATER MAIN OR SANITARY SEWER EASEMENTS.

NO ADDITIONAL COMPENSATION SHALL BE PAID FOR ANY WORK STOPPAGE, DELAY, OR INCONVENIENCE DUE TO MATERIAL SHORTAGES, OPERATIONS OF OTHER PARTIES, OR EVENTS WITHIN HUMAN CONTROL.

UTILITIES

THE EXISTING UTILITIES LISTED BELOW AND SHOWN ON THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AS OBTAINED FROM EXISTING PLANS AND UTILITY RECORDS. THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO BE SATISFIED AS TO ITS ACCURACY AND THE LOCATION OF EXISTING UTILITIES. CONTACT MISS DIG AT PHONE (800) 482-7171 OR 811.

1. ELECTRIC:
DTE ENERGY
ATTN: LARRY NEZERITIS
ONE ENERGY PLAZA, RM. 518 S.B.
DETROIT, MICHIGAN 48226
(248) 427-2947

2. GAS:
CONSUMERS ENERGY
ATTN: STEVE JACKSON
(586) 918-6736

3. CABLE TELEVISION:
COMCAST
ATTN: CHRIS CYR
25626 TELEGRAPH ROAD
SOUTHFIELD, MICHIGAN 48034
(248) 521-8868

4. TELEPHONE:
AT&T
ATTN: MATT SLIWA
54 NORTH MILL STREET, BOX 32
PONTIAC, MICHIGAN 48342
(248) 877-0762

5. WATER & SANITARY SEWER:
CITY OF AUBURN HILLS
ATTN: JASON DEMAN
1500 BROWN ROAD
AUBURN HILLS, MICHIGAN 48326
(248) 391-3777
6. IRRIGATION & STREET LIGHTING:
CITY OF AUBURN HILLS
ATTN: TIMOTHY WISSER
(248) 391-3777

7. TELECOMMUNICATIONS:
WINDSTREAM
ATTN: DIRK WELTE
EMAIL: dirk.welte@windstream.com
(810) 691-1035

8. COUNTY DRAIN:
ATTN: JOEL KOHN
1 PUBLIC WORKS DR
WATERFORD, MICHIGAN 48328
(248) 858-0958

9. TRAFFIC SIGNALS:
ATTN: AHMAD JAWAD
ROAD COMMISSION FOR OAKLAND COUNTY
1200 N TELEGRAPH, WEST 49
PONTIAC, MICHIGAN 48341
(248) 858-7250

THE OWNERS OF EXISTING UTILITY POLES AND OTHER SERVICE STRUCTURES THAT ARE WITHIN GRADING LIMITS AND THAT ARE IDENTIFIED TO BE RELOCATED WILL BE MOVED TO LOCATIONS DESIGNATED BY THE ENGINEER/OWNER.

OWNERS OF PUBLIC UTILITIES WILL NOT BE REQUIRED BY THE DEPARTMENT TO MOVE ADDITIONAL POLES AND STRUCTURES THAT ARE NOT WITHIN GRADING OR STRUCTURE LIMITS IN ORDER TO FACILITATE THE OPERATION OF CONSTRUCTION EQUIPMENT UNLESS IT IS DETERMINED BY THE ENGINEER THAT SUCH POLE LINE OR STRUCTURES CONSTITUTE A HAZARD TO THE PUBLIC OR ARE EXTRAORDINARILY DANGEROUS TO THE CONTRACTOR'S OPERATIONS.

HAND FINISHING

HAND FINISHING OF CONCRETE POURS TO BE STRUCK OFF AND CONSOLIDATED BY HAND METHODS WILL BE PERMITTED ON VARIABLE WIDTH LANES AND LANES FORMED BY FLEXIBLE FORMS FOR SHORT RADIUS CURVES AS DIRECTED BY THE ENGINEER.

DETECTABLE WARNING SURFACE

SIDEWALK RAMPS WITH DETECTABLE WARNING SURFACE SHALL BE CONSTRUCTED IN ACCORDANCE WITH MDOT 2012 STD SPECS FOR CONST AND AS DIRECTED BY THE ENGINEER. THE DETECTABLE WARNING SURFACE COLOR SHALL BE "SAFETY YELLOW" (FEDERAL COLOR NO. 33538).

UNDERGROUND UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CONTACT 'MISS DIG' A MINIMUM OF 3 WORKING DAYS PRIOR TO EACH EXCAVATION IN THE VICINITY OF UTILITY LINES. CONTACT MISS DIG AT PHONE (800) 482-7171 OR 811. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE PART OF THE 'MISS DIG' ALERT SYSTEM.

ADJUSTING MONUMENT BOXES

IT IS THE INTENT THAT ALL GOVERNMENT CORNERS ON THIS PROJECT BE PRESERVED AND THAT, WHERE NECESSARY, MONUMENT BOXES BE PLACED OR ADJUSTED, WHETHER SHOWN OR NOT, PRESERVING MONUMENT BOXES SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT COUNTY REGISTER OF DEEDS STANDARDS.

PLAN ELEVATION

ELEVATIONS SHOWN ON THESE PLANS ARE ON THE 1988 NAVD DATUM.

STAKING

IF CONTRACTOR STAKING IS NOT PROVIDED IN THE CONTRACT, STAKING SHALL BE PROVIDED BY THE ENGINEER AND REQUIRES THREE (3) BUSINESS DAYS NOTICE. STAKING REQUEST FORMS CAN BE OBTAINED BY REQUEST FROM THE ENGINEER.

SOIL BORINGS

THE SOIL BORING LOGS REPRESENT POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY INFERS THAT SUBSURFACE CONDITIONS ARE THE SAME OTHER THAN AT THE EXACT LOCATION OF THE BORINGS.

EXISTING UNDERGROUND PUBLIC UTILITIES

THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING WATER MAINS AND/OR EXISTING SEWER DURING THE CONSTRUCTION OF THIS PROJECT.

UNDERGROUND CONFLICTS

THE CONTRACTOR SHALL EXPOSE EXISTING WATER MAIN, STORM SEWERS, SANITARY SEWERS, AND PRIVATE UTILITY CROSSINGS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER TO VERIFY EXISTING LOCATIONS AND ELEVATIONS BEFORE COMMENCING WORK ON A PROPOSED UTILITY. PAYMENT FOR WORK INCLUDED IN PROPOSED UTILITY.

UTILITY TRENCH DEWATERING

THE COST OF ANY DEWATERING OPERATIONS REQUIRED TO INSTALL THE PROPOSED UTILITIES SHALL BE INCLUDED IN THE UNIT PRICE FOR THE AFFECTED UTILITY. DISCHARGE FROM ALL DEWATERING PUMPS MUST BE FILTERED THROUGH A FILTER BAG. COST FOR THE PROVIDING AND DISPOSING OF THE FILTER BAGS SHALL BE PAID INCLUDED IN THE UNIT PRICE FOR THE AFFECTED UTILITY. BAGS SHALL BE REPLACED WHEN THEY BECOME CLOGGED OR IF THEY BECOME DAMAGED. REPLACEMENT OF BAGS DAMAGED DUE TO NEGLIGENCE BY THE CONTRACTOR WILL NOT BE PAID FOR SEPARATELY.

EXISTING CASTINGS

EXISTING UNDAMAGED CASTINGS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE IN KIND OR APPROVED EQUAL.

STRUCTURE COVERS

STRUCTURE COVERS WITHIN THE PROJECT LIMITS SHALL BE INSPECTED AND POOR CONDITION COVERS SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR Dr Structure Cover , Type ____ (EA).

FINAL ADJUSTMENTS OF ALL STRUCTURES BOTH NEW AND EXISTING SHALL BE MADE PRIOR TO PLACING THE FINAL PAVEMENT SURFACE.

UTILITY CROSSINGS

ALL UTILITY CROSSINGS AT DRIVEWAYS, APPROACHES, AND SIDE STREETS SHALL BE BACKFILLED IMMEDIATELY FOLLOWING PIPE INSTALLATION TO MAKE THESE THOROUGHFARES ACCESSIBLE. THIS WORK IS INCLUDED IN PIPE INSTALLATION.

PAVEMENT REMOVAL

PAVEMENT REMOVAL AS SHOWN ON THE PLANS SHALL BE AT THE DISCRETION OF THE ENGINEER. IF IN HIS/HER JUDGEMENT, AREAS OF PAVEMENT MAY BE LEFT IN PLACE, OR ADDITIONAL AREAS ADDED, TO PROVIDE THE PROPER CROSS-SECTION AND BASE ADJUSTMENTS CAN BE MADE IN THE QUANTITIES.

SIGNS

ALL SIGNS REQUIRING RELOCATION DUE TO CONSTRUCTION OPERATIONS SHALL BE SALVAGED AND RESET BY THE CONTRACTOR AT LOCATIONS DESIGNATED BY THE ENGINEER. THIS WORK WILL BE PAID AS SHOWN ON THE PLAN.

SURFACE RESTORATION

DISTURBED AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE SPECIAL PROVISION FOR TURF ESTABLISHMENT AND AS DIRECTED BY THE ENGINEER. AREAS FOR SEEDING AND SODDING ARE INDICATED ON THE PLANS. MULCH BLANKET AND HIGH VELOCITY MULCH BLANKET SHALL BE PLACED IN ACCORDANCE TO SUBSECTION 816.03.H OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION AND AS SHOWN ON STANDARD PLAN R-100-SERIES.

ALL AREAS DISTURBED BY THE CONTRACTOR AND/OR HIS SUBCONTRACTOR BEYOND THE SLOPE STAKE LINE OF THE PROJECT SHALL BE SODDED OR SEEDED AS SPECIFIED OR DIRECTED BY THE ENGINEER. NO ADDITIONAL PAYMENT OR COMPENSATION WILL BE ALLOWED FOR RESTORATION OUTSIDE OF THE LIMITS AS SHOWN IN THE PLANS.



ARCHITECTS ENGINEERS PLANNERS

34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427

OHM-ADVISORS.COM

REVISIONS

02/16/2024 REBIDDING

CAD COUNTY CAD JMS

PROJ MGR PROJ MGR BW

ENG ENG RM

DATE 01/26/24/00


MUNICIPALITY AUBURN HILLS


CITY OF AUBURN HILLS
AUBURN HILLS PUBLIC SQUARE
GENERAL NOTES SHEET


COPYRIGHT 2016 OHM ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM


DRAWING PATH: \\ohm\dfs\Corporate\Projects\0101_0125\012020300_Auburn Hills Public Square\Drawings\Civil\Misc\2030300LEC.dwg Feb 16, 2024 - 12:03pm


WATER & SEWER UTILITY SYMBOLS


- EXISTING
-  ST


 SQUARE CATCH BASIN


 ROUND CATCH BASIN


 CULVERT


 CULVERT W/O END SECTION


 CULVERT W/END SECTION


 SANITARY MANHOLE


 CLEAN OUT


 GATE VALVE & WELL


 GATE VALVE & BOX


 WATER STOP BOX


 FIRE HYDRANT


 METER PIT


 WATER METER


 SPRINKLER HEAD


 IRRIGATION VALVE


- PROPOSED
-  STORM MANHOLE


 INLET/CATCH BASIN


 CULVERT END SECTION


 SANITARY MANHOLE

 GATE VALVE & WELL




 GATE VALVE & BOX

 TAPPING SLEEVE VALVE & WELL


 TAPPING SLEEVE VALVE & BOX


 FIRE HYDRANT


REAL ESTATE SYMBOLS


-  CONTIGUOUS PROPERTY SYMBOL
-  PARCEL NUMBER BOX
-  NO ROW IMPACTS


MISCELLANEOUS UTILITY SYMBOLS


- EXISTING
-  GUY WIRE


 GUY POLE


 UTILITY POLE


 UTILITY POLE W/LIGHT


 LIGHT/DECOR LAMP POLE


 FLOOD LIGHT


 GAS VALVE


 GAS VENT


 GAS METER


 GAS RISER


 TRAFFIC SIGNAL


 PEDESTRIAN RISER


 TRANSFORMER PAD


 PRIVATE UTILITY MANHOLE


 RAILROAD CROSSING


 ELECTRIC METER


 PHONE BOOTH


 TRAFFIC SIGNAL CONTROLLER


 HAND HOLE

 ELECTRIC RISER


 TELEPHONE RISER


 CABLE TV RISER


 MONITORING WELL


 UNDERGROUND MARKER


MISCELLANEOUS SYMBOLS


- EXISTING
-  RIPRAP

 SIGN

 FLOW DIRECTION

 STUMP

 WETLAND


 CONIFEROUS TREE


CL 1 1" TO 5"


CL 2 6" TO 17"


CL 3 18" TO 35"


CL 4 36" AND UP


 DECIDUOUS TREE


 CONIFEROUS SHRUB


 DECIDUOUS SHRUB


 SOIL BORING


 SECTION CORNER


 MONUMENT


 IRON ROD/PIPE


 PK NAIL

 BENCHMARK

 TRAVERSE POINT

 MAIL/NEWSPAPER BOX


 FLAG POLE


 POST


- HAZARDOUS OR
FLAMMABLE MATERIAL


USED WITH UNDERGROUND GAS &
ELECTRICAL LINES
- CAUTION - CRITICAL
UNDERGROUND UTILITY


USED WITH TELEPHONE &
FIBER OPTIC LINES


- PROPOSED
-  RIPRAP


 SIGN

 FLOW DIRECTION


 WM


 SAN


 STM


 ADA SIDEWALK RAMP


UTILITY PATTERN

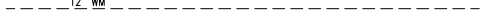
- EXISTING
-  ELECTRICAL *



 GAS\OIL

 CABLE/TELEPHONE *

 FIBER OPTIC *

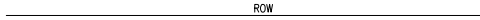
 WATER


 SANITARY


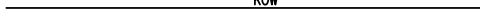
 STORM
- PROPOSED
-  STORM/SANITARY/WATER

PRIMARY UTILITY WILL HAVE A
CONTINUOUS LIFESTYLE, WITH THE
SECONDARY UTILITY MATCHING ITS
RESPECTIVE EXISTING UTILITY LIFESTYLE
- *OH = OVERHEAD , UG = UNDERGROUND


ROW PATTERN


- EXISTING
-  ROW


 SECTION


 PROPERTY/PARCEL
- PROPOSED
-  ROW


TOPO PATTERN

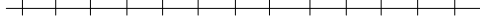

- EXISTING
-  HEDGE/TREE


 FENCE

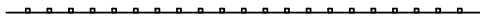
 GUARDRAIL


 CENTERLINE OF DITCH

 RAILROAD

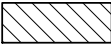
 WETLAND/EDGE OF WATER
- PROPOSED
-  GRADING LIMIT
(SLOPE STAKE)

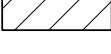
 CENTERLINE OF DITCH

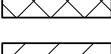
 GUARDRAIL

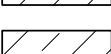
 FENCE


REMOVAL LEGEND

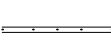
-  SIDEWALK REMOVAL


 HMA SURFACE REMOVAL


 PAVEMENT REMOVAL

 COLD MILLING HMA SURFACE

 HMA BASE CRUSHING AND SHAPING

 EXCAVATION, EARTH, MODIFIED

 CURB AND GUTTER, REM

 TREE, REM

S-XXXXXX

SALVAGE

B-XXXXXX

BULKHEAD

A-XXXXXX

ABANDON

R-XXXXXX

REMOVE

ADJ-XXXXXX

ADJUST

REL-XXXXXX

RELOCATE

REC-XXXXXX

RECONSTRUCT

R B/O-XXXXXX

REMOVE BY OTHERS

ADJ B/O-XXXXXX

ADJUST BY OTHERS

REL B/O-XXXXXX

RELOCATE BY OTHERS

IF NECESSARY FOR CLARITY

- S

SALVAGE

B

BULKHEAD

A

ABANDON

C

CLEARING

R

REMOVE

REL

RELOCATE

REC

RECONSTRUCT

REL B/O

RELOCATE BY OTHERS

ADJ B/O

ADJUST BY OTHERS



ARCHITECTS ENGINEERS PLANNERS

34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427

OHM-ADVISORS.COM

REVISIONS

02/16/2024 REBIDDING

DATE

PROJ NUMBER

ENG

PROJ LEADER

CADD

COUNTY


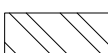
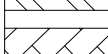
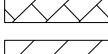
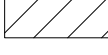
MUNICIPALITY

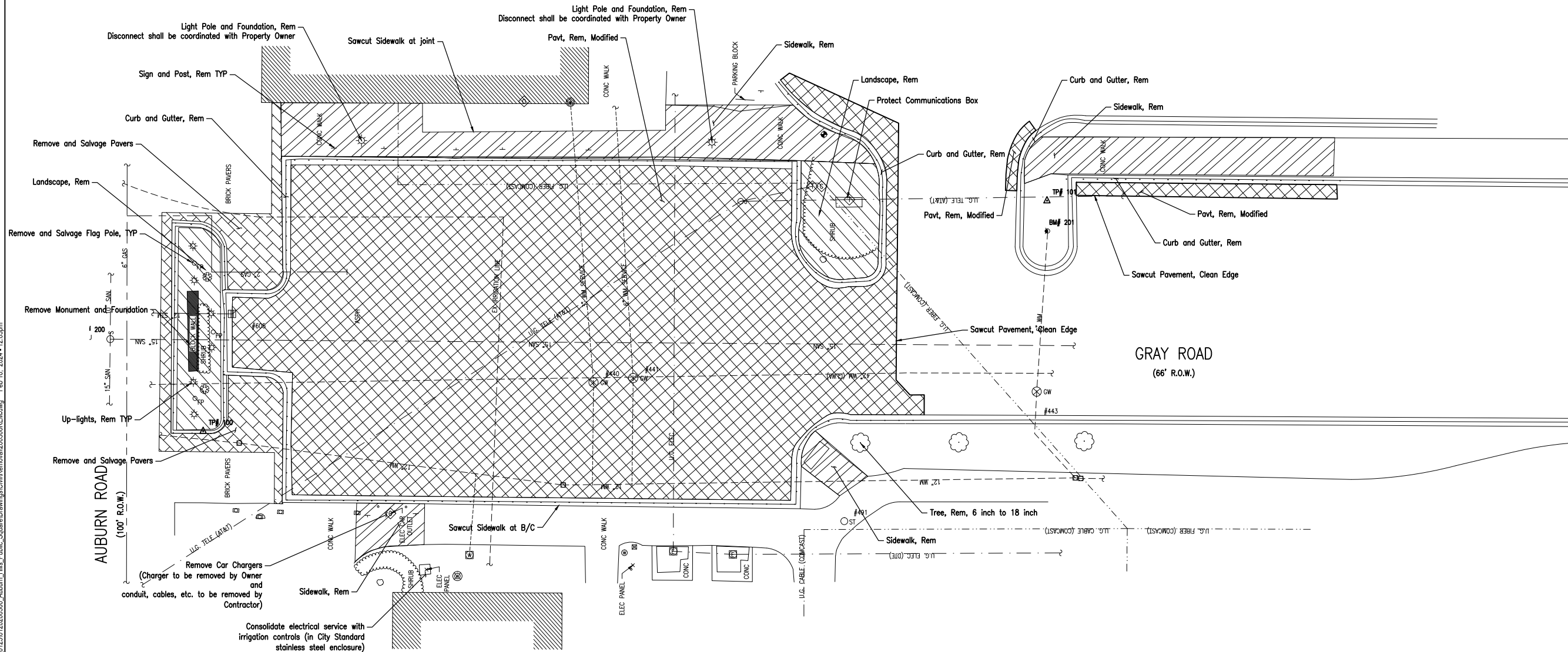
AUBURN HILLS

CITY OF AUBURN HILLS

AUBURN HILLS PUBLIC SQUARE

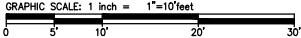
LEGEND

	Pavement, Rem
	Sidewalk, Rem
	Brick Pavers, Rem & Salvage
	Landscaping, Rem
	Curb and Gutter, Rem

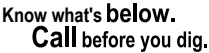


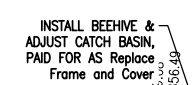
4
OF 18

COPYRIGHT 2016 OHM ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM



TOW - TOP OF WALL
BOW - BOTTOM OF WALL
TOG - TOP OF GARDEN





~~INSTALL BRICK PAVERS, PAID FOR AS install New Brick Pavers~~
~~INSTALL 4" CONCRETE BASE COURSE, PAID FOR AS Sidewalk, Conc, 4 inch, Paver Base~~

GRAY ROAD
(66' R.O.W.)

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

DRAWING PATH: \\nrm\dfs\Corporate\Projects\0101_01250102020300_Auburn Hills Public Square\Drawings\Civil\Plans_Const\2020300.SC_2023-1113.dwg Feb 16, 2024 - 12:05pm

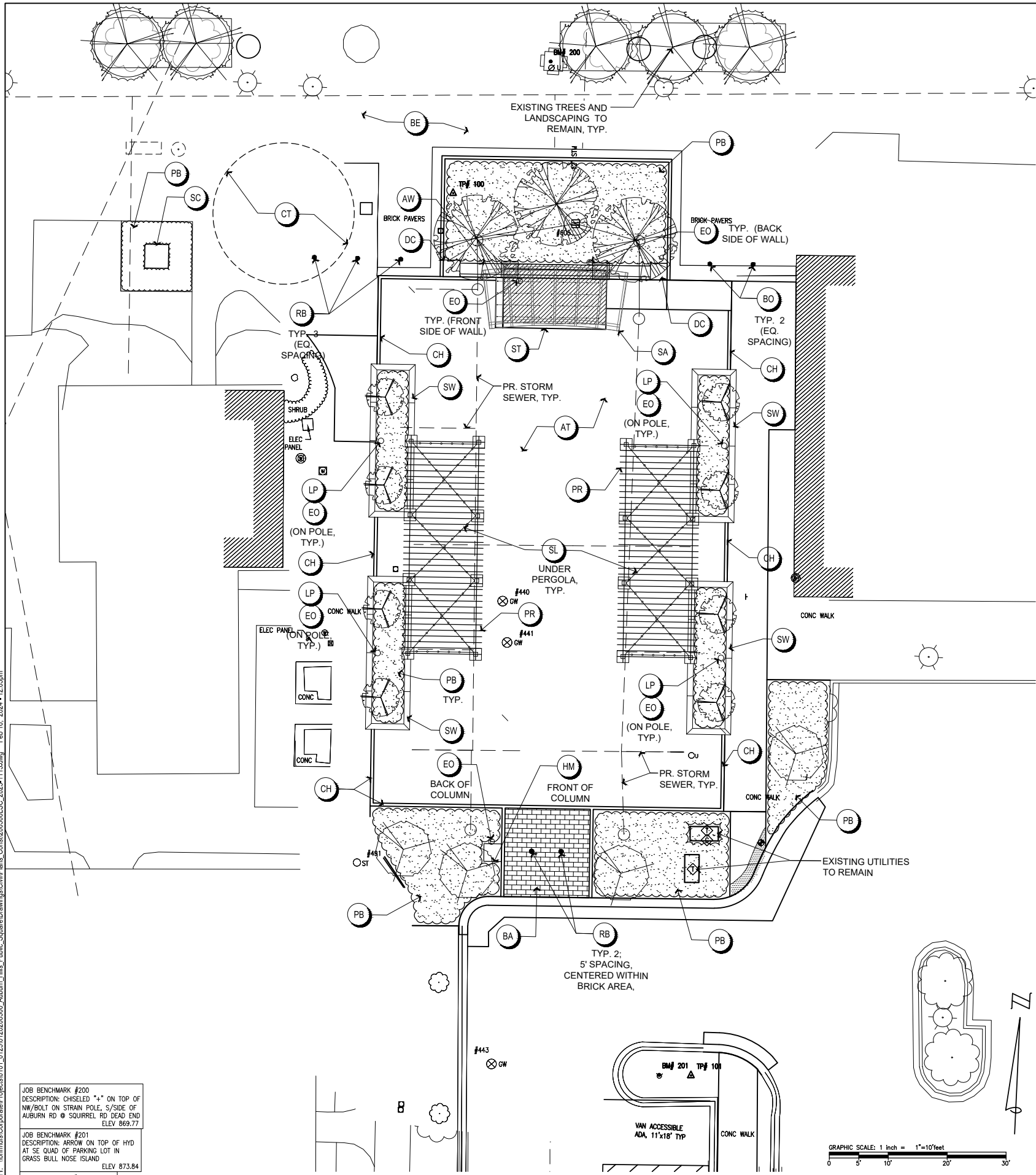
JOB BENCHMARK #200
DESCRIPTION: CHISELED "+" ON TOP OF NW/BOLT ON STRAIN POLE, S/SIDE OF AUBURN RD @ SQUIRREL RD DEAD END
ELEV 869.77

JOB BENCHMARK #201
DESCRIPTION: ARROW ON TOP OF HYD AT SE QUAD OF PARKING LOT IN GRASS BULL NOSE ISLAND
ELEV 873.84

TRAVERSE POINT #100
N 415193.18
E 13431725.62 ELEV 869.70

TRAVERSE POINT #101
N 415046.18
E 13431774.92 ELEV 871.98

TOWN SQUARE MATERIALS PLAN
SCALE: 1" = 10'-0"



MATERIALS LIST - PUBLIC SQUARE			
CODE	ITEM	FINISH	NOTES
AT	ARTIFICIAL TURF	SYNTIPEDE 321 BY SYNLAWN WITH NATURAL BEIGE COLORED INFILL AND MINIMUM 1/2" RUBBER OR POLYPROPYLENE SHOCK PAD.	SEE DETAIL 7, SHEET 10
AW	ACCENT WALL	3' HEIGHT, FACADE TO MATCH ADJACENT PLANTERS ON AUBURN ROAD.	SEE DETAIL 3, SHEET 12
BA	BRICK ACCENT	STAMPED CONCRETE, BRICK PATTERN TO MATCH THE ROUNDABOUT AROUND THE CLOCK TOWER AT SQUIRREL COURT AND NORTH SQUIRREL ROAD. COLOR TO MATCH EXISTING BRICK ALONG THE AUBURN ROAD STREETSCAPE. CONCRETE TO BE INSTALLED PER SECTION 803 OF THE 2020 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.	SEE DETAILS 3 & 9, SHEET 11
BE	BRICK, EXISTING	ALL BRICK SCHEDULED TO BE REMOVED TO BE SALVAGED AND REUSED AS INDICATED ON THE PLANS AND SPECIFICATIONS.	SEE REMOVAL PLAN, SHEET 4 FOR SALVAG INFO, DETAIL 7, SHEET 11 FOR INSTALLATION OF SALVAGED BRICK
CH	CONCRETE HEADER	REINFORCED CONCRETE SEPARATION BETWEEN ARTIFICIAL TURF & ADJACENT SIDEWALK. FINISH TO MATCH ADJACENT CONCRETE. SEE PLAN FOR LOCATIONS. HEADERS TO BE INSTALLED PER SECTION 802 OF THE 2020 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.	SEE DETAIL 8, SHEET 11
CT	CHRISTMAS TREE	APPROXIMATE LOCATION OF SEASONAL CHRISTMAS TREE PROVIDED FOR REFERENCE. TREE INSTALLATION WILL BE DONE BY THE CITY OF AUBURN HILLS	
DC	DECORATIVE ACCENT COLUMN	COLUMNS PLACED AT ENDS OF ACCENT WALL. SIZED 4' HEIGHT X 30" SQUARE, FACADE TO MATCH ADJACENT PLANTERS ON AUBURN ROAD.	SEE DETAIL 2, SHEET 12
EO	ELECTRICAL OUTLET	INSTALLED PER CITY CODE	SEE ELECTRICAL PLANS, DETAILS AND SPECIFICATIONS.
HM	HISTORICAL MARKER	ARCHITECTURAL COLUMN (5'-4" HEIGHT, 36" SQUARE) WITH BRONZE HISTORICAL MARKER EMBEDDED IN SOUTH SIDE. CITY OF AUBURN HILLS TO PROVIDE LANGUAGE FOR MARKER.	SEE DETAIL 1, SHEET 12
PR	PERGOLA	14'-6" x 39'-0", POWDERCOATED ALUMINUM (COLOR T.B.D.), PERGOLAS TO BE SUPPLIED AND INSTALLED PER MANUFACTURER'S DETAILS AND SPECIFICATIONS AND IN ACCORDANCE WITH THE CITY OF AUBURN HILLS BUILDING CODES.	SEE DETAILS 6 & 10, SHEET 11
LP	LIGHT POLE	ROUND TAPERED STEEL POLE BY KW LIGHTING WITH LUMINAIRES BY INSIGHT LIGHTING, CONTRACTOR TO COORDINATE LIGHTING JUXTAPosition ON POLE AND DIRECTION OF ILLUMINATION WITH THE CITY OF AUBURN HILLS. INSTALLED PER CITY CODE	SEE DETAIL 1, SHEET 15
PB	PLANTING BED	N/A	SEE DETAILS, SHEET 10
RB	REMOVABLE BOLLARD	RELANCE FOUNDRY (MODEL #R-7539), DUCTILE IRON WITH BLACK POLYESTER COATED FINISH, ANCHORED WITH RETRACTABLE REMOVABLE MOUNT. COORDINATE FINAL LOCATIONS WITH CITY OF AUBURN HILLS.	SEE DETAIL 1, SHEET 11
SA	STAGE AWNING	ALUMINUM FRAME, POWDERCOATED TO MATCH PERGOLA (COLOR T.B.D.) WITH TRANSLUCENT ROOF PANELS. AWNING AND SHADE TO BE SUPPLIED AND INSTALLED PER MANUFACTURER'S DETAILS AND SPECIFICATIONS AND IN ACCORDANCE WITH THE CITY OF AUBURN HILLS BUILDING CODES.	SEE DETAIL 1, SHEET 13 & SHEET 14
SC	SCULPTURE FOOTING	4' x 4' CONCRETE, DEPTH AND REINFORCEMENT PER MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH SECTION 706 OF THE 2020 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.	SEE DETAIL 2, SHEET 13
SL	OVERHEAD STRING LIGHTING	DURA LAMP DURALED CABLE LIGHTS MOUNTED BENEATH PERGOLAS. LIGHTS SHALL BE FITTED WITH DECOLED TECHNO VINTAGE LED S-LAMP, ALSO BY DURA LAMP.	SEE DETAILS 2 & 3, SHEET 15
ST	CONCRETE STAGE	APPROXIMATELY 8' X 19' WITH STEPS AND RAMP FOR ACCESS. STAGE TO BE INSTALLED PER SECTION 706 OF THE 2020 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. RAMP TO BE INSTALLED PER SECTION 803 OF THE 2020 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.	SEE DETAIL 4, SHEET 12
SW	SEAT WALL	WALLS TO SURROUND PLANTING BEDS, 18" HEIGHT, STONE FACADE TO MATCH PLANTERS ALONG THE AUBURN ROAD DOWNTOWN CORRIDOR. SEE PLANS FOR LOCATIONS	SEE DETAIL 4, SHEET 11

PUBLIC SQUARE GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR BEING FAMILIAR WITH ALL DOCUMENTED UNDERGROUND UTILITIES, PIPES AND STRUCTURES. LOCATE AND PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION UNLESS OTHERWISE NOTED. CONTACT MISS DIG (811 OR 800-482-7171) A MINIMUM OF 3 DAYS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
- REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL DIMENSIONS ON THIS DRAWING ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS. UTILIZE DIMENSIONS INDICATED ON THE PLANS. THE CONTRACTOR SHALL COORDINATE ALL WORK AND BE RESPONSIBLE FOR ALL METHODS, MEANS, SEQUENCE, AND PROCEDURES OF THE WORK.
- THE CONTRACTOR SHALL KEEP ALL DRAINAGE FACILITIES (CATCH BASINS, YARD DRAINS, ETC.) AFFECTED BY HIS CONSTRUCTION OPERATIONS CLEAN AND FULLY OPERATIONAL AT ALL TIMES.
- CONTRACTOR SHALL REPAIR AT HIS OWN EXPENSE, ANY DAMAGE, WHETHER INSIDE OR OUTSIDE OF THE PROJECT LIMITS, TO UTILITY SYSTEMS, SURFACE PAVEMENTS, FIXTURES, STRUCTURES, AND/OR EXISTING TREES OR LANDSCAPING THAT ARE NOT SPECIFICALLY INDICATED TO BE REMOVED OR RELOCATED AS PART OF THE PROJECT CONSTRUCTION. IN THE EVENT THAT ANY EXISTING DRAINAGE STRUCTURES OR UTILITIES ARE DAMAGED AND THE SERVICES DISRUPTED, THE LINES SHALL BE IMMEDIATELY REPAIRED AND THE SERVICES RESTORED AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- IN THE EVENT THAT DISCREPANCIES ARISE BETWEEN WHAT IS SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY FOR RESOLUTION.

PUBLIC SQUARE LAYOUT NOTES

- ALL DIMENSIONS SHOWN ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS. UTILIZE DIMENSIONS INDICATED ON THE PLANS.
- ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT, FACE OF WALL, OR FACE OF CURB UNLESS OTHERWISE NOTED.
- WALKWAYS AND HARDSCAPE ELEMENTS INDICATED AS CURVILINEAR SHALL HAVE SMOOTH CONTINUOUS CURVES.
- UNLESS INDICATED OTHERWISE, ALL WALKWAYS ABUT AT 90 DEGREE ANGLES.
- LAYOUT ALL CONSTRUCTION LINES AND VERIFY LAYOUT WITH THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING ANY CONSTRUCTION WORK.
- DIMENSIONS FOR PLANT BEDS ARE APPROXIMATE. STAKE PLANT BEDS ON-SITE FOR FINAL APPROVAL BY LANDSCAPE ARCHITECT.
- REFER TO GENERAL NOTES FOR ADDITIONAL INSTRUCTIONS.
- FIELD VERIFY ALL PROPOSED AND EXISTING UTILITY LOCATIONS.



Know what's below.
Call before you dig.

ARCHITECTS ENGINEERS PLANNERS

34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427

OHM-ADVISORS.COM

REVISIONS

02/16/2024 REBIDDING

DATE PROJECT NUMBER ENG PROJECT NUMBER CAD COUNTY PROJECT NUMBER JHS COUNTY PROJECT NUMBER BWS

CITY OF AUBURN HILLS
AUBURN HILLS PUBLIC SQUARE
LANDSCAPE MATERIALS PLAN

SHEET 7 OF 18

COPYRIGHT 2016 OHM ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM

DRAWING PATH: \\omh\dfs\Corporate\Projects\0101_01250102020300_Auburn Hills Public Square\Drawings\Civil\Plans Const\2020300.SC 2023-11-13.dwg Feb 15, 2024 - 12:05pm

JOB BENCHMARK #200
DESCRIPTION: CHISELED "+" ON TOP OF
NW/BOLT ON STRAIN POLE, S/SIDE OF
AUBURN RD @ SQUIRREL RD DEAD END
ELEV 869.77

JOB BENCHMARK #201
DESCRIPTION: ARROW ON TOP OF HYD
AT SE QUAD OF PARKING LOT IN
GRASS BULL NOSE ISLAND
ELEV 873.84

TRAVERSE POINT #100
N 415193.18
E 13431725.62 ELEV 869.70

TRAVERSE POINT #101
N 415046.18
E 13431774.92 ELEV 871.98

TOWN SQUARE PLANTING PLAN
SCALE: 1" = 10'-0"

GRAPHIC SCALE: 1 inch = 10 feet
0 5 10 20 30

PLANT LIST						
TREES						
CODE	COMMON NAME	BOTANICAL NAME	SIZE	COND.	SPACING	NOTES
SS SG	SLENDER SILHOUETTE SWEET GUM	<i>Liquidambar styraciflua 'Slender Silhouette'</i>	3' CAL.	B & B	PER PLAN	FULL, EVEN CANOPY
BH RM	BOWHALL RED MAPLE	<i>Acer rubrum 'Bowhall'</i>	3' CAL.	B & B	PER PLAN	FULL, EVEN CANOPY
IS LC	IVORY SILK TREE LILAC	<i>Syringa reticulata 'Ivory Silk'</i>	12' HT.	B & B	PER PLAN	FULL, EVEN CANOPY

SHRUBS						
CODE	COMMON NAME	LATIN NAME	SIZE	COND.	SPACING	NOTES
ES HD	ENDLESS SUMMER HYDRANGEA	<i>Hydrangea macrophylla 'Endless Summer'</i>	#5 Cont.	CONT.	3' O.C.	EVEN HABIT
GF SP	GOLD MOUND SPIRAEA	<i>Spiraea japonica 'Goldflame'</i>	#3 Cont.	CONT.	3' O.C.	EVEN HABIT
WD YW	WARD'S YEW	<i>Taxus x media 'Wardii'</i>	#3 Cont.	CONT.	3' O.C.	FULL, EVEN HABIT
BX WD	BOXWOOD	<i>Buxus x 'Green Gem'</i>	#3 Cont.	CONT.	30" O.C.	FULL, EVEN HABIT

GRASSES / PERENNIALS / GROUNDCOVERS						
CODE	COMMON NAME	LATIN NAME	SIZE	COND.	SPACING	NOTES
FO GR	FOUNTAIN GRASS	<i>Pennisetum alopecuroides</i>	1 GAL.	CONT.	30" O.C.	
DL LY	STRAWBERRY CANDY DAYLILY	<i>Hemerocallis 'Strawberry Candy'</i>	1 GAL.	CONT.	18" O.C.	
HD GR	HARDY GERANIUM	<i>Geranium 'Max Frei'</i>	1 GAL.	CONT.	12" O.C.	

PLANTING NOTES

- THE CONTRACTOR SHALL VERIFY UTILITY CLEARANCES THROUGH MISS DIG PRIOR TO DETERMINING FINAL LOCATIONS FOR ALL STREETSCAPE FEATURES, INCLUDING ALL PLANTINGS. ANY FIELD ADJUSTMENTS TO FINAL PLANTING LOCATIONS SHALL BE AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- STAKE ALL BED LINES FOR THE LANDSCAPE ARCHITECT'S REVIEW PRIOR TO INSTALLATION. ALL PLANTING PROCEDURES ARE SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT AND THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES FOUND AT NO ADDITIONAL COST TO THE OWNER.
- SECURE PLANT MATERIAL AS SPECIFIED ON PLANS. IN THE EVENT THAT PLANT MATERIALS SPECIFIED ARE NOT AVAILABLE, CONTACT LANDSCAPE ARCHITECT FOR APPROVED SUBSTITUTIONS. NO SUBSTITUTIONS FOR PLANT MATERIALS WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.
- VERIFY THAT ALL PLANTING PRODUCTS, PLANT MATERIAL, AND PLANT QUANTITIES DELIVERED TO THE SITE MATCH WHAT IS INDICATED ON THE PLANS AND SPECIFICATIONS.
- PROTECT ALL PLANT MATERIAL DURING DELIVERY TO PREVENT DAMAGE TO ROOT BALLS, TRUNKS, STEMS, BRANCHES AND THE DESICCATION OF LEAVES. PROTECT ALL PLANT MATERIAL DURING SHIPPING WITH SHADE CLOTH OR SHIP WITH ENCLOSED TRANSPORT. MAINTAIN PROTECTIONS AND HEALTH OF PLANT MATERIAL STORED ON SITE. REMOVE UNACCEPTABLE PLANT MATERIAL IMMEDIATELY FROM THE SITE.
- ALL PLANT MATERIAL SHALL BE NURSERY GROWN, WELL FORMED, TRUE TO SPECIES, HARDENED OFF WITH VIGOROUS ROOT SYSTEMS, FULL CROWN AND CANOPIES, AND FREE FROM DISEASE, PESTS AND INSECTS, AND DEFECTS SUCH AS WINDBURN, LEAF DISCOLORATION, IRREGULAR BRANCHING OR INJURIES.
- ALL PLANT MATERIAL DELIVERED TO THE SITE IS SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT BEFORE, DURING AND AFTER INSTALLATION.
- PROVIDE PLANT PHOTOGRAPHS OF EACH PLANT SPECIFIED TO THE LANDSCAPE ARCHITECT FOR COMPLIANCE REVIEW PRIOR TO SHIPPING.
- TEST FILL ALL PLANTING PITS WITH WATER, PRIOR TO PLANTING, TO ASSURE PROPER SOIL PERCOLATION. PITS WHICH DO NOT ADEQUATELY DRAIN SHALL BE FURTHER EXCAVATED TO A DEPTH SUFFICIENT FOR DRAINAGE TO OCCUR AND/OR BACKFILLED WITH SUITABLE DRAINAGE GRAVEL. NO ALLOWANCES SHALL BE MADE FOR PLANT MATERIAL LOSS DUE TO IMPROPER DRAINAGE. CONTRACTOR SHALL REPLACE LOST PLANT MATERIAL WITH SAME SIZE AND SPECIES AT NO ADDITIONAL COST TO OWNER.
- ALL PLANT MATERIALS, INCLUDING RELOCATED PLANT MATERIAL, SHALL BE PLANTED IN A PROFESSIONAL MANNER TYPICAL TO THE INDUSTRY STANDARDS TO ASSURE COMPLETE SURVIVABILITY OF ALL INSTALLED PLANT MATERIALS AS WELL AS TO PROVIDE AN AESTHETICALLY APPROVED PROJECT. CONTRACTOR SHALL REFER TO THE PLANTING DETAILS FOR MINIMUM SIZE AND WIDTH OF PLANTING PITS AND BEDS, MULCHING, AND OTHER PLANTING REQUIREMENTS.
- LAWN AREAS TO PROVIDE A SMOOTH AND CONTINUAL GRADE.
- ALL PLANTING BEDS SHALL HAVE A MINIMUM 18" DEPTH OF PLANTING MIX AND BE DRESSED WITH SHREDDED HARDWOOD MULCH TO A MINIMUM 4" DEPTH.
- ALL PROPOSED TREES SHALL BE BACK FILLED WITH 1/2 CUBIC YARD OF PLANTING MIX. PROPOSED TREES LOCATED OUTSIDE OF A DESIGNATED PLANTING BED SHALL HAVE A MINIMUM 4' DIAMETER TREE RING DRESSED WITH SHREDDED HARDWOOD MULCH TO A MINIMUM 4" DEPTH.
- ALL PLANTING AREAS SHALL BE WEED FREE PRIOR TO PLANTING INSTALLATION.
- REMOVE ALL PLANTING AND LANDSCAPE DEBRIS FROM THE PROJECT SITE AND SWEEP AND WASH CLEAN ALL PAVED AND FINISHED SURFACES AFFECTED BY THE LANDSCAPE INSTALLATION.
- REFER TO PUBLIC SQUARE GENERAL NOTES ON SHEET # FOR ADDITIONAL INSTRUCTIONS.
- REFER TO SHEET 10 FOR PLANTING DETAILS.

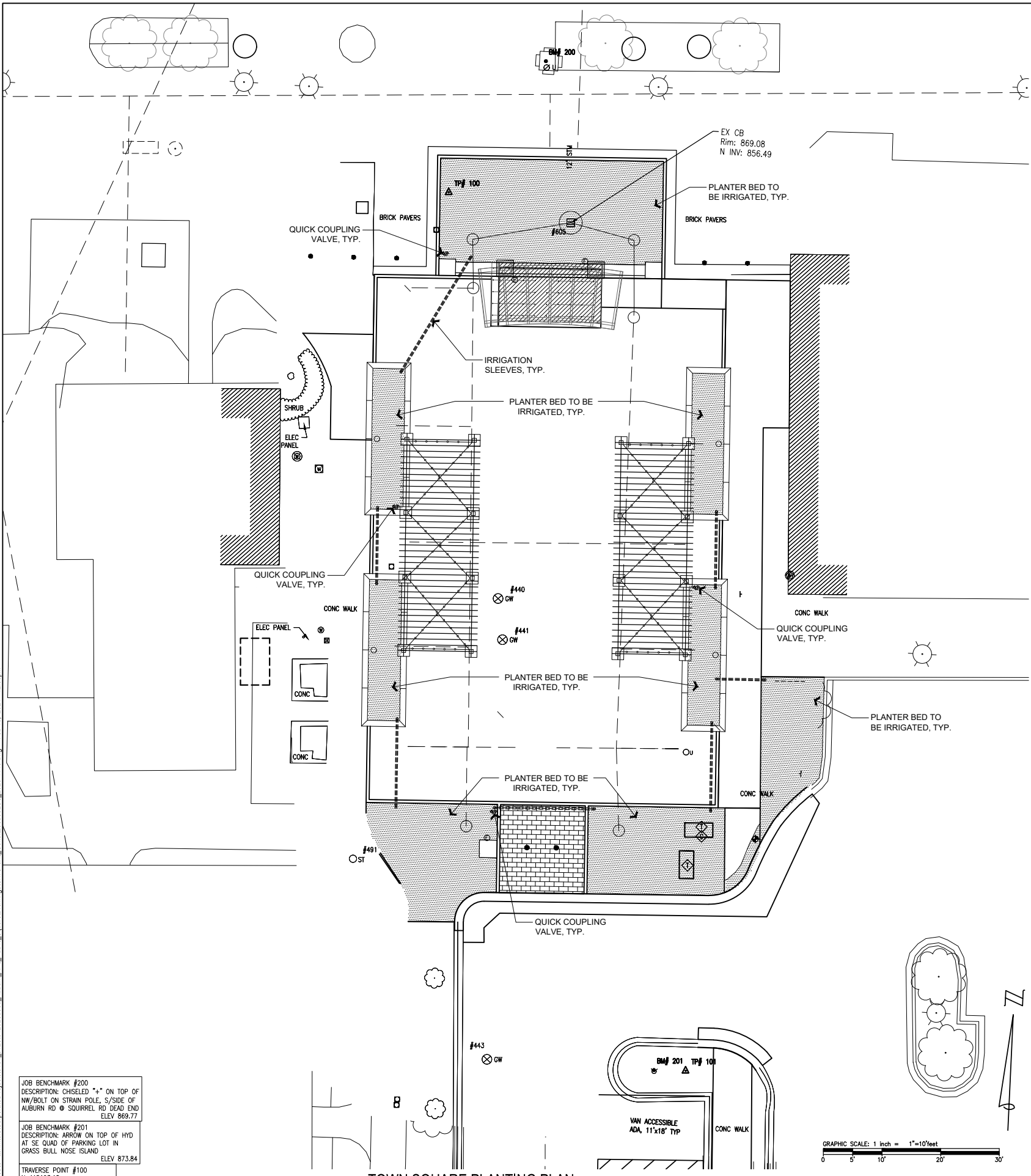
IRRIGATION NOTES

- ALL PLANTING BEDS SHALL BE IRRIGATED WITH AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM PROVIDING 100% COVERAGE.
- ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL, AND PLUMBING CODES.
- CONTRACTOR WILL ARRANGE INSPECTIONS FOR IRRIGATION REQUIRED BY THE SPECIFICATIONS DURING THE COURSE OF CONSTRUCTION. ALL WIRING AND BACKFLOW PREVENTION TO BE PER LOCAL CODE AND AS DESCRIBED IN THE SPECIFICATION.
- INSTALL IRRIGATION MAINS WITH A MINIMUM 18" OF COVER BASED ON FINISH GRADES. INSTALL IRRIGATION LATERALS WITH MINIMUM 12" OF COVER BASED ON FINISH GRADES.
- ALL WIRE SPLICES OR CONNECTIONS SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTIONS AND BE IN A VALVE OR SPLICE BOX.
- ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 14 AWG, UL APPROVED DIRECT BURY.
- SEE IRRIGATION SPECIFICATION FOR ADDITIONAL INFORMATION
- SHOP DRAWINGS SHALL BE REQUIRED FOR IRRIGATION PLANS AS DESCRIBED IN THE SPECIFICATION.



Know what's below.
Call before you dig.

DRAWING PATH: \\nrm\dfs\Corporate\Projects\0101_012501\2020\300 Auburn Hills Public Square\Drawings\Civil\Plans Const\20300.SC_2023-1113.dwg Feb 16, 2024 - 12:05pm



TOWN SQUARE PLANTING PLAN
SCALE: 1" = 10'-0"

JOB BENCHMARK #200
DESCRIPTION: CHISELED "+" ON TOP OF NW/BOLT ON STRAIN POLE, S/SIDE OF AUBURN RD @ SQUIRREL RD DEAD END
ELEV 869.77

JOB BENCHMARK #201
DESCRIPTION: ARROW ON TOP OF HYD AT SE QUAD OF PARKING LOT IN GRASS BULL NOSE ISLAND
ELEV 873.84

TRAVERSE POINT #100
N 415193.18
E 13431725.62 ELEV 869.70

TRAVERSE POINT #101
N 415046.18
E 13431774.92 ELEV 871.98

IRRIGATION NOTES

- ALL PLANTING BEDS SHALL BE IRRIGATED WITH AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM PROVIDING 100% COVERAGE.
- ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL, AND PLUMBING CODES.
- CONTRACTOR WILL ARRANGE INSPECTIONS FOR IRRIGATION REQUIRED BY THE SPECIFICATIONS DURING THE COURSE OF CONSTRUCTION. ALL WIRING AND BACKFLOW PREVENTION TO BE PER LOCAL CODE AND AS DESCRIBED IN THE SPECIFICATION.
- INSTALL IRRIGATION MAINS WITH A MINIMUM 18" OF COVER BASED ON FINISH GRADES. INSTALL IRRIGATION LATERALS WITH MINIMUM 12" OF COVER BASED ON FINISH GRADES.
- ALL WIRE SPLICES OR CONNECTIONS SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTIONS AND BE IN A VALVE OR SPLICE BOX.
- ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 14 AWG, UL APPROVED DIRECT BURY.
- SEE IRRIGATION SPECIFICATION FOR ADDITIONAL INFORMATION
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE DESIGN OF THE IRRIGATION SYSTEM FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL COORDINATE WATER CONTROLLER LOCATION WITH THE CITY OF AUBURN HILLS.
- NO IRRIGATION OVER SPRAY ON WALKWAYS AND ROADWAYS SHALL BE PERMITTED.

IRRIGATION LEGEND:

- LANDSCAPE PLANTING BED TO BE IRRIGATED
- IRRIGATION CONDUIT
- (2) 4" SCH. 40 PVC SLEEVES (FOR WATER LINES)
- (1) 2" SCH. 40 PVC CONDUIT (FOR WIRING)
- QUICK COUPLING VALVE
- POINT OF BEGINNING FOR IRRIGATION SYSTEM - CONTRACTOR SHALL COORDINATE WATER SOURCE (TAP OR EXISTING FEED) AND BACKFLOW DEVICE WITH THE CITY OF AUBURN HILLS.

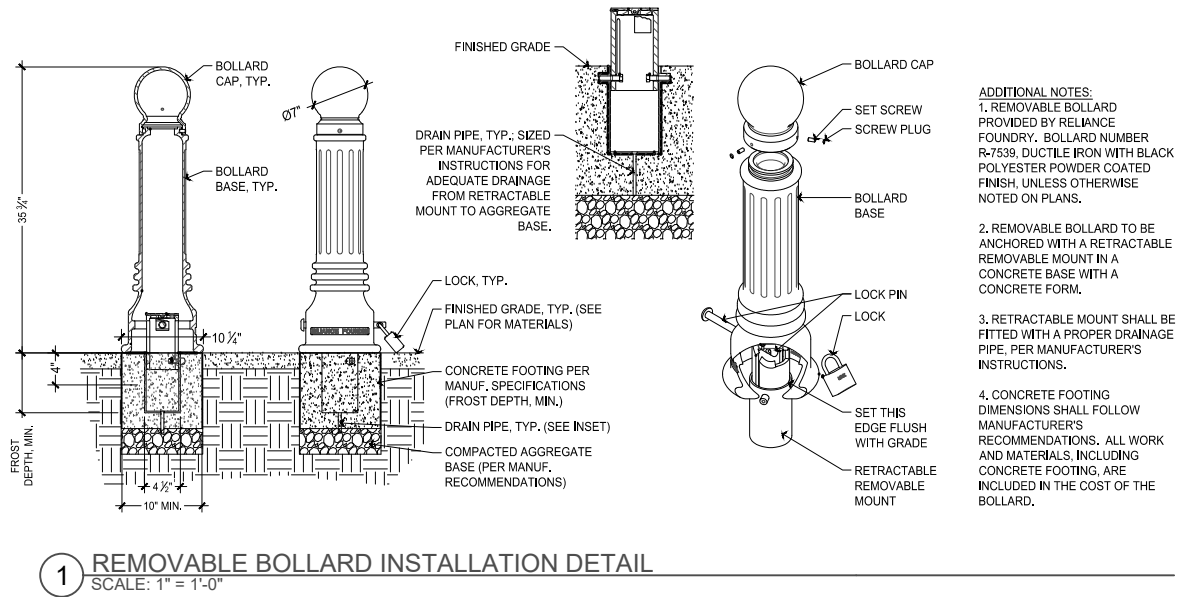
REVISIONS	02/16/2024 REBIDDING

DATE	PROJECT NUMBER	ENG	PROJ MGR	CADD	COUNTY	MUNICIPALITY
01/26/2020	1012501	HM	BW	JHS	OHIO	AUBURN HILLS

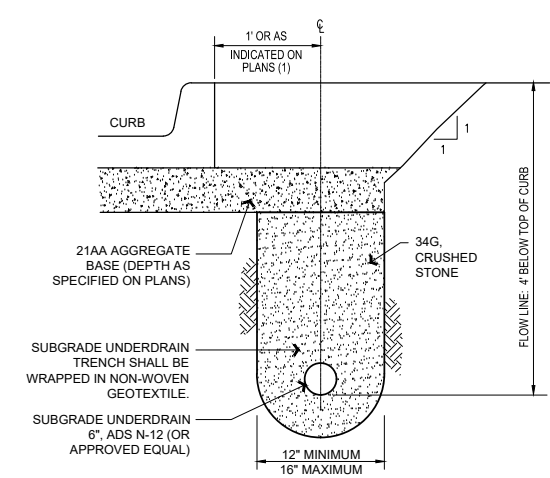
CITY OF AUBURN HILLS
AUBURN HILLS PUBLIC SQUARE
IRRIGATION PLAN



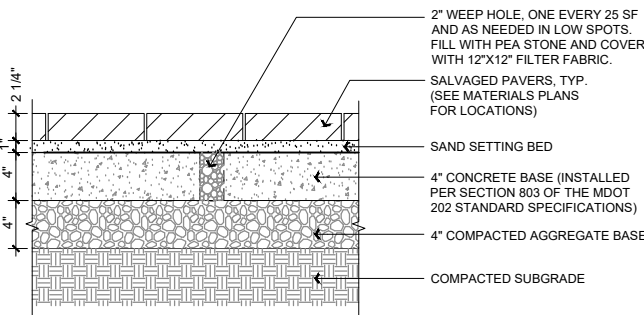
COPYRIGHT 2016 OHM ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM



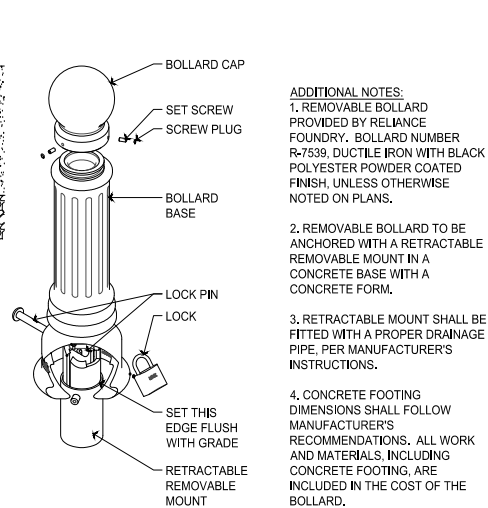
1 REMOVABLE BOLLARD INSTALLATION DETAIL
SCALE: 1" = 1'-0"



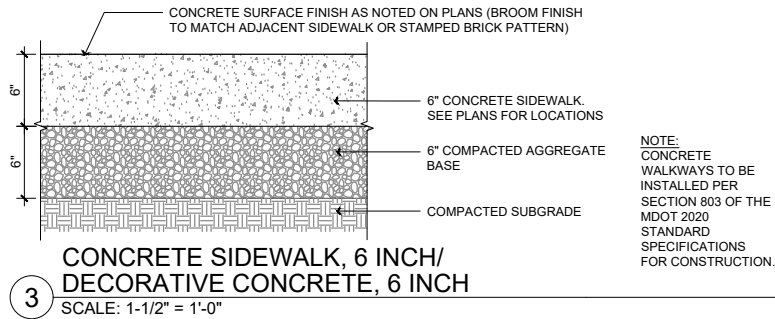
5 SUBGRADE UNDERDRAIN, OPEN-GRADED, 6" NOT TO SCALE



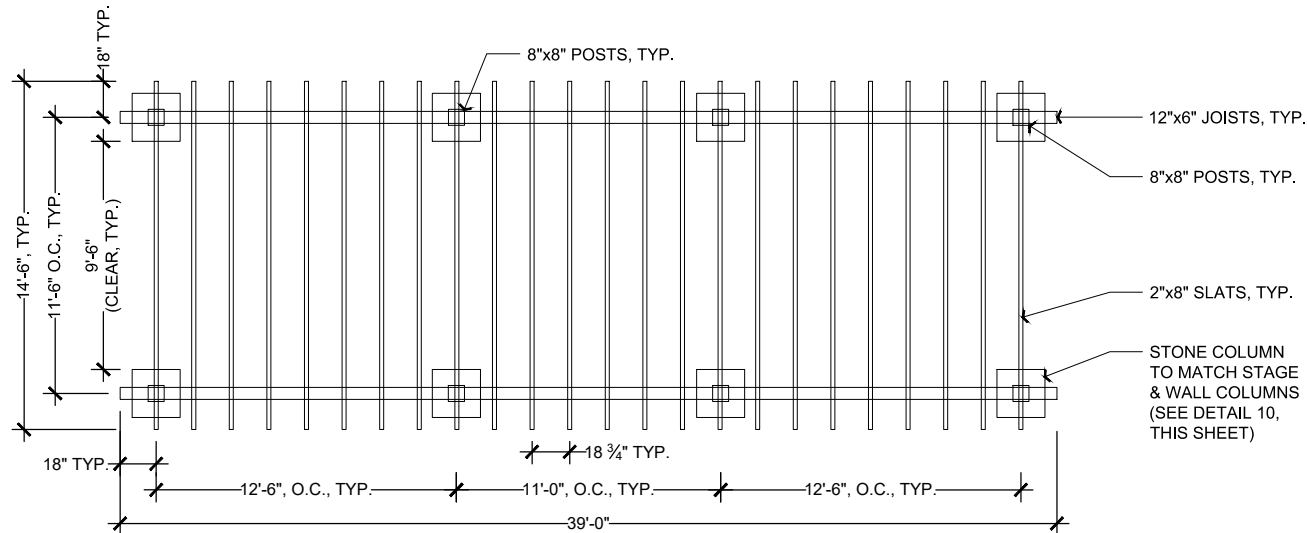
7 BRICK PAVER OVER CONCRETE
SCALE: 1-1/2" = 1'-0"



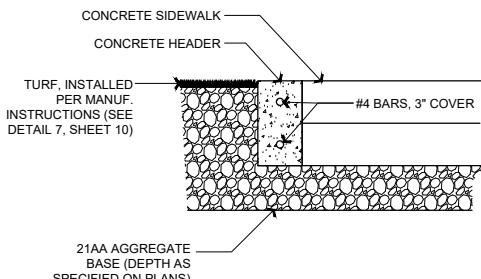
2 CONCRETE SIDEWALK, 4 INCH
SCALE: 1-1/2" = 1'-0"



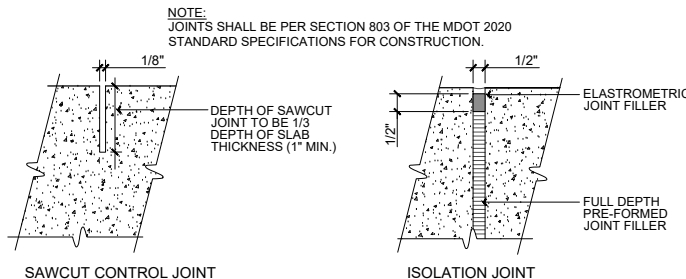
3 CONCRETE SIDEWALK, 6 INCH/
DECORATIVE CONCRETE, 6 INCH
SCALE: 1-1/2" = 1'-0"



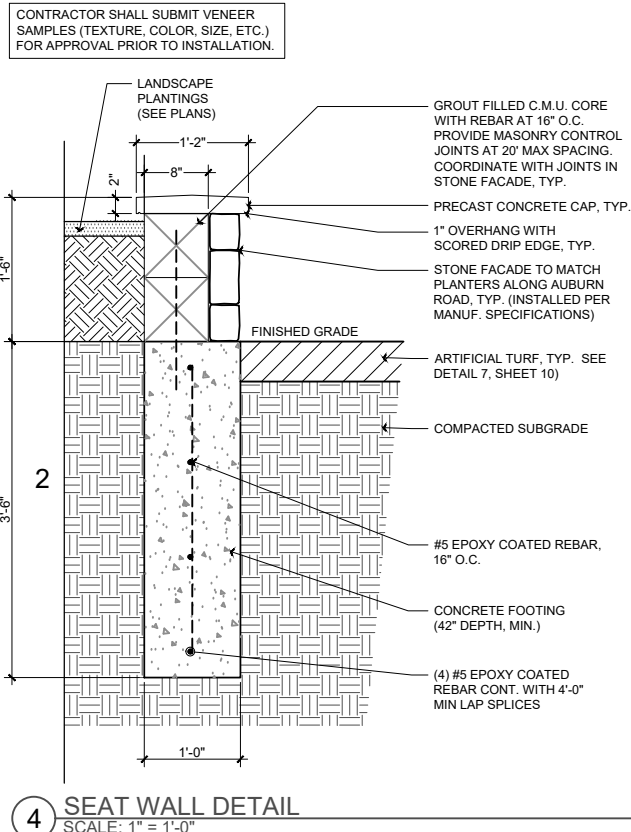
6 PERGOLA DETAIL
1/4" = 1'-0"



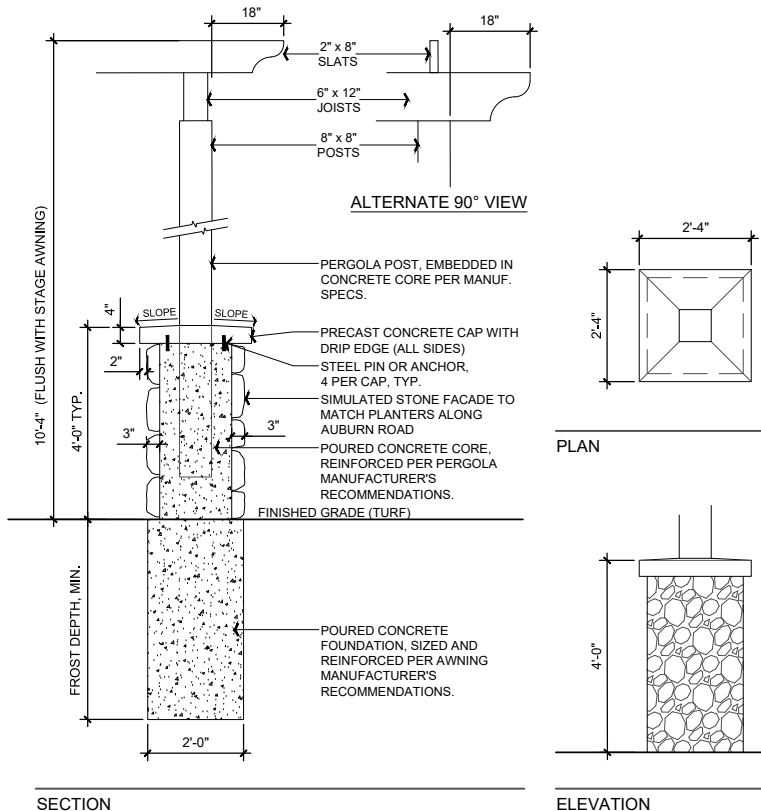
8 CONCRETE HEADER
NOT TO SCALE



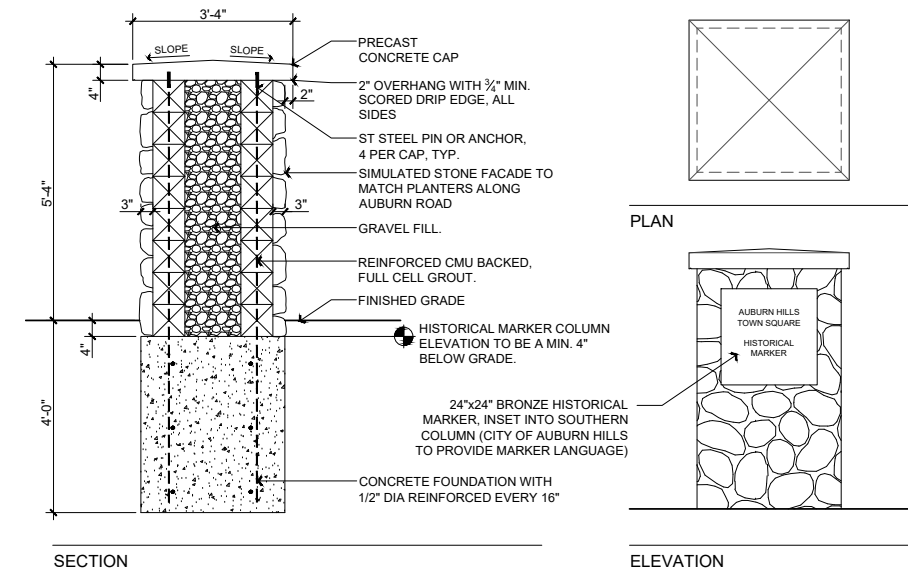
9 CONTROL AND ISOLATION JOINTS
SCALE: 3" = 1'-0"



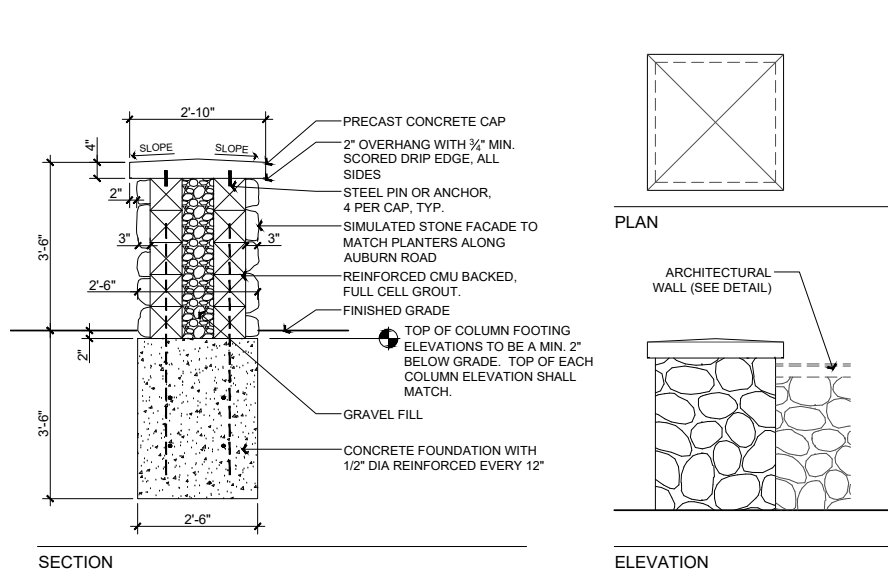
4 SEAT WALL DETAIL
SCALE: 1" = 1'-0"



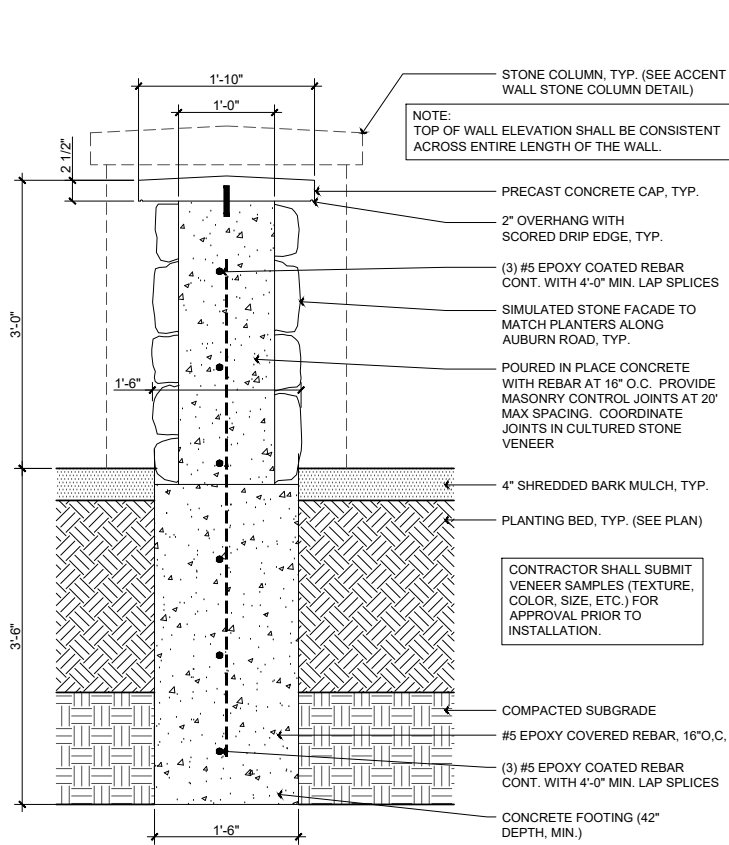
10 PERGOLA POST & STONE COLUMN DETAIL
SCALE: 1" = 1'-0"



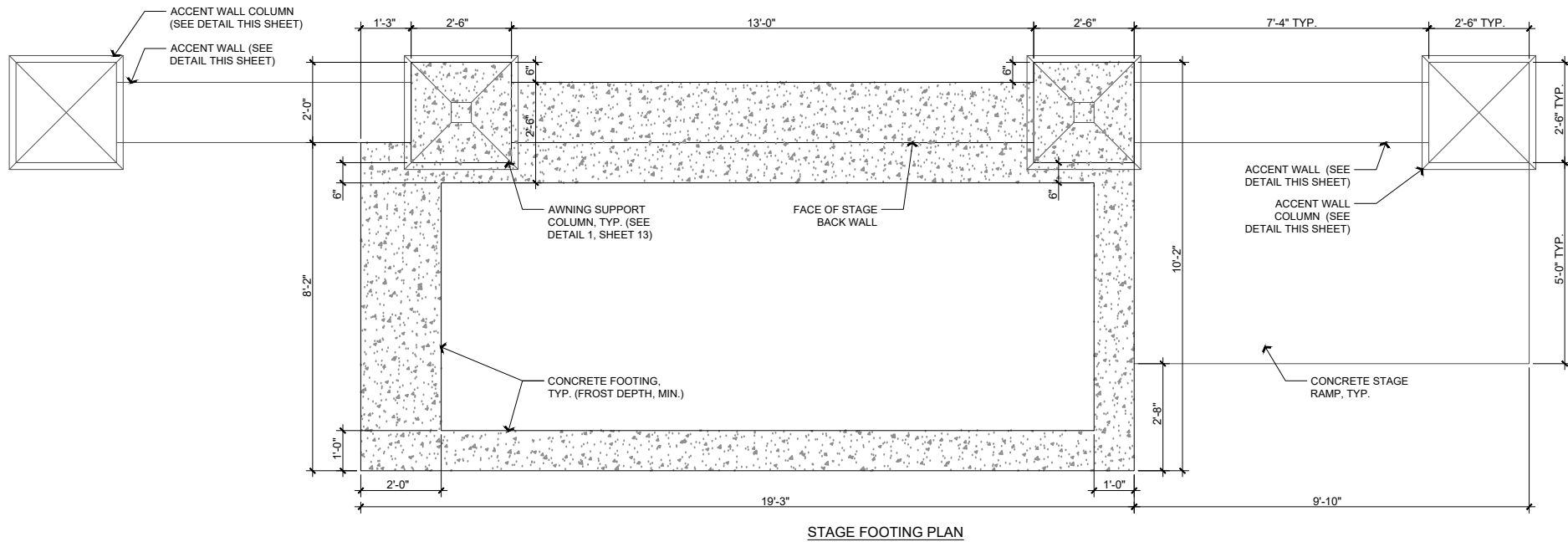
1 HISTORICAL MARKER COLUMN DETAIL
SCALE: 1/2"=1'-0"



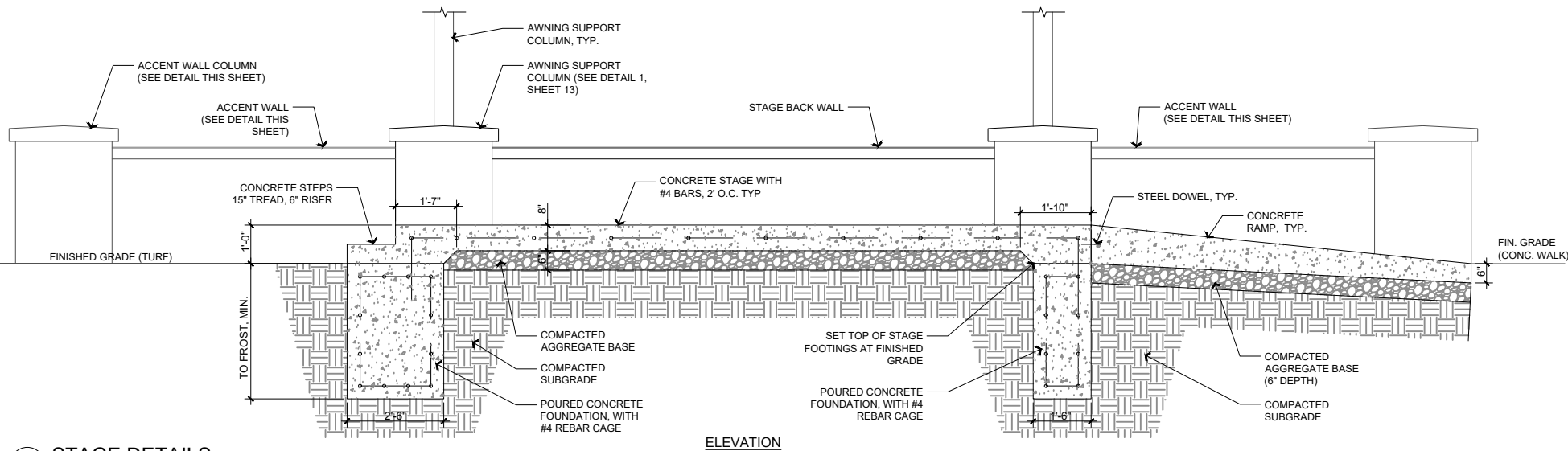
2 ACCENT WALL STONE COLUMN DETAIL
SCALE: 1/2"=1'-0"



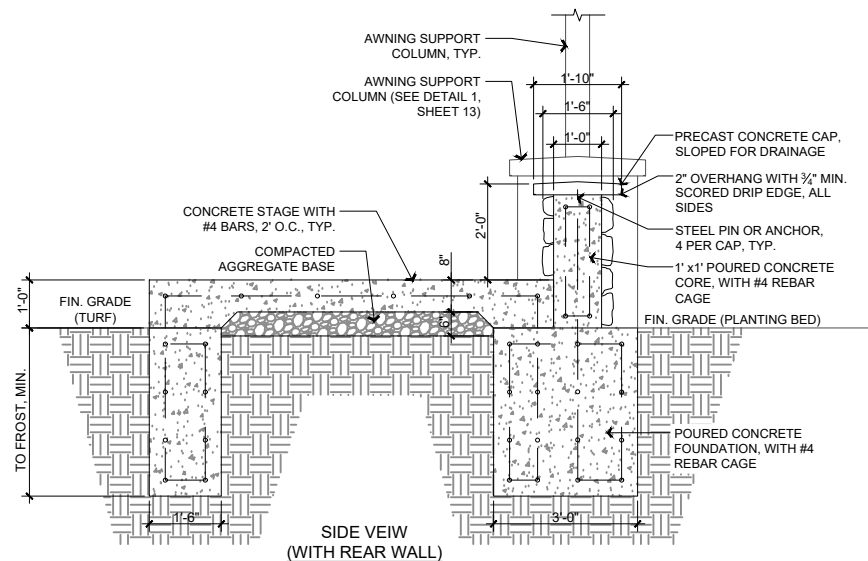
3 ACCENT WALL DETAIL
SCALE: 1"=1'-0"



STAGE FOOTING PLAN



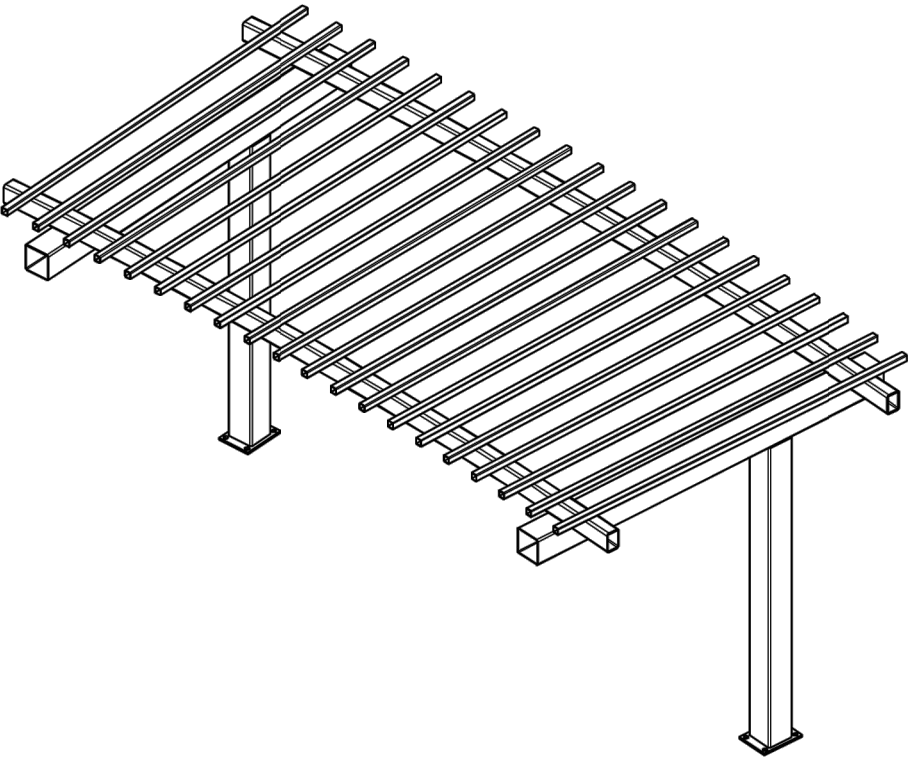
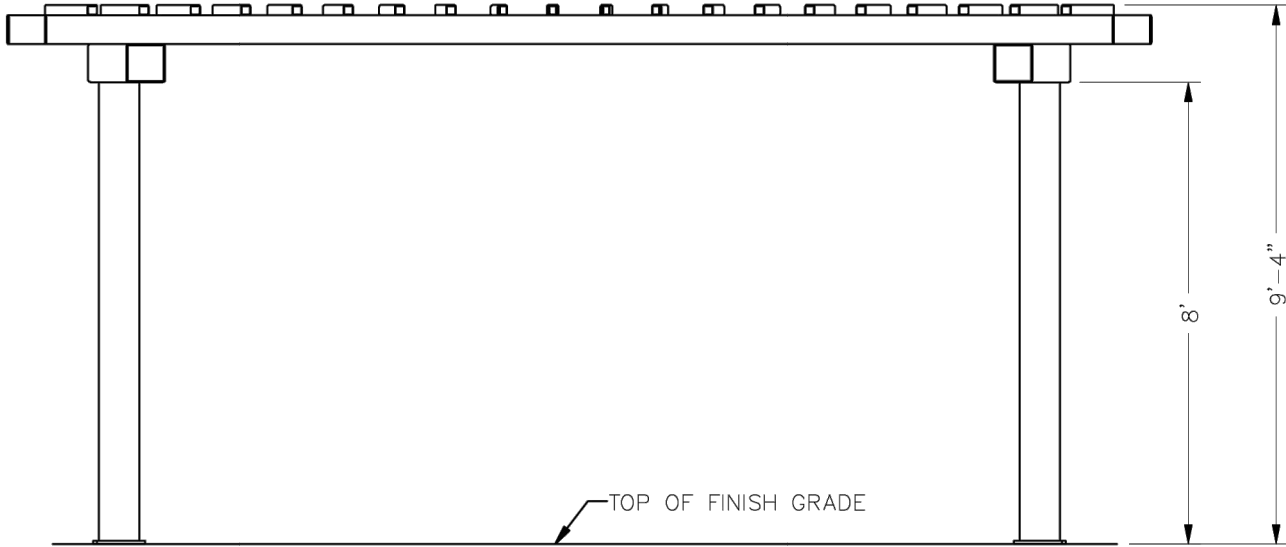
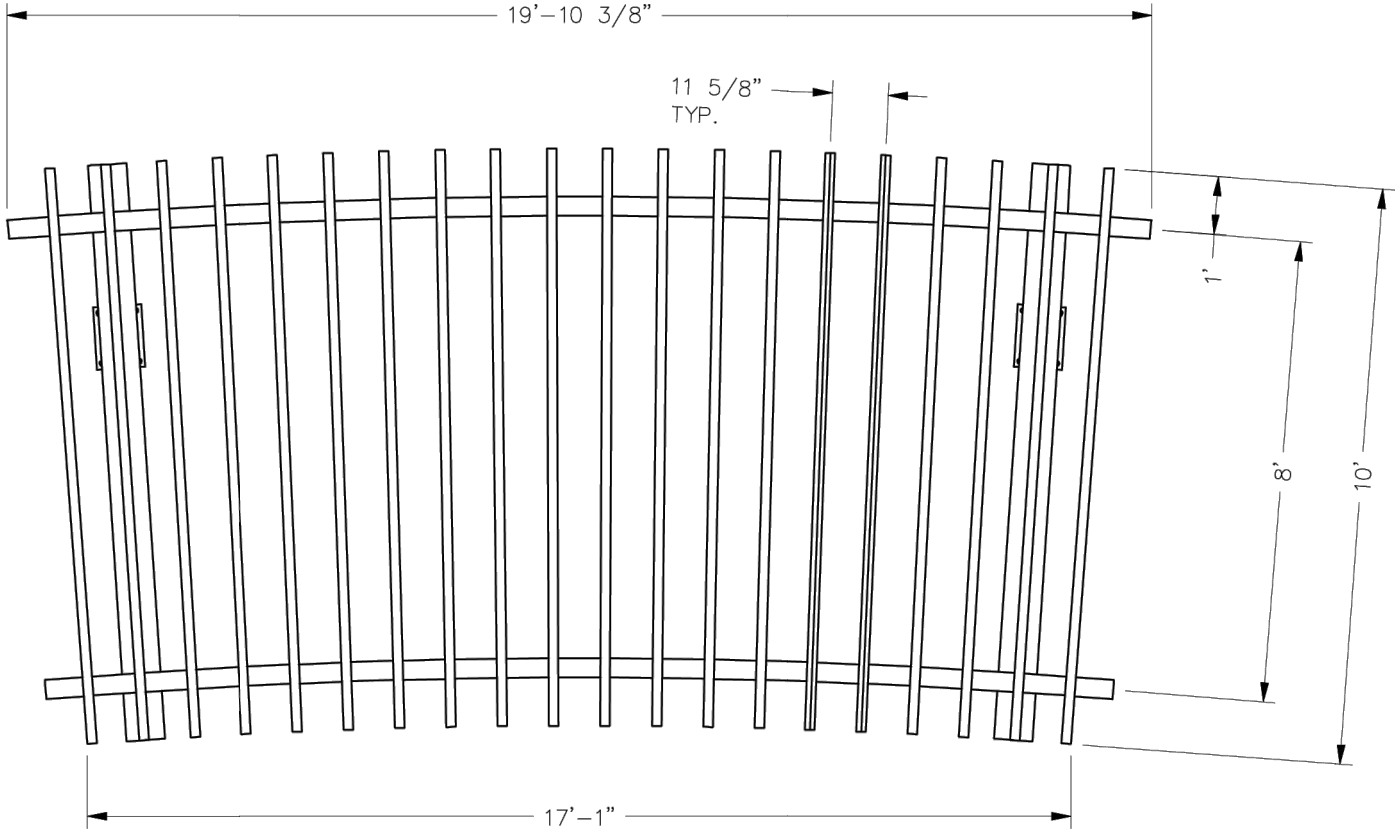
ELEVATION



SIDE VIEW
(WITH REAR WALL)

4 STAGE DETAILS
SCALE: 1/2"=1'-0"

PRELIMINARY: NOT FOR
CONSTRUCTION



NOTE:
STAGE AWNING DESIGN INTENT DEPICTED ON THIS SHEET. PROVIDE ICON STRUCTURES (MODEL # AT10X20K-PO) OR AN APPROVED EQUAL. AWNING TO INCLUDE TRANSLUCENT ROOF PANELS OR FILTERED LIGHT PANELS PER MANUFACTURER'S RECOMMENDATIONS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

CONTRACTOR TO PROVIDE OVERHEAD ROOF OPTIONS TO CITY OF AUBURN HILLS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

AWNING TO BE SUPPLIED AND INSTALLED PER MANUFACTURER'S DETAILS AND SPECIFICATIONS AND IN ACCORDANCE WITH THE CITY OF AUBURN HILLS BUILDING CODES.

SEE SHEETS 12 & 13 FOR ASSOCIATED STAGE, COLUMN, AND REAR WALL DETAILS.

ICON

Shelter Systems Inc

DISTINCTIVE STEEL SHELTERS

WWW.ICONSHelters.COM

COPYRIGHT 2004, ICON SHELTER SYSTEMS, INC.

1455 LINCOLN AVE.

HOLLAND MI, 49423

616.396.0919

800.748.0985

616.396.0944 FX

OHM

ARCHITECTS ENGINEERS PLANNERS

34000 Plymouth Road

Livonia, MI 48150

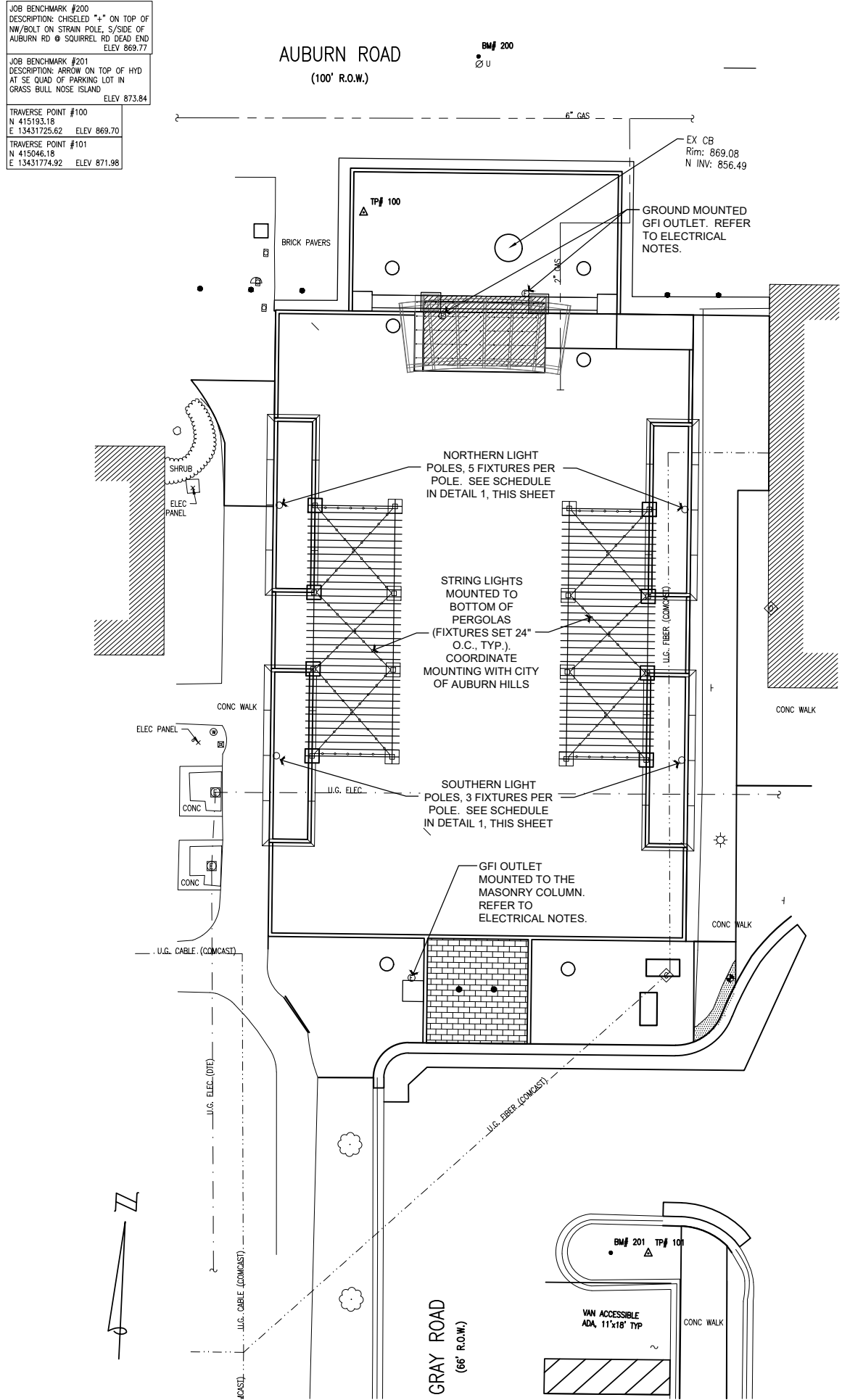
P (734) 522-6711 | F (734) 522-6427

OHM-ADVISORS.COM

DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	MUNICIPALITY	REVISIONS
07/25/2020	07252-0300	HN	BW	JRS	OAKLAND	AUBURN HILLS	02/16/2024 REBIDDING
CITY OF AUBURN HILLS AUBURN HILLS PUBLIC SQUARE STAGE AWNING DETAILS							...
SHEET							14 OF 18

COPYRIGHT 2016 OHM ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM

DRAWING PATH: \\nmidis\Corporate\Projects\0101-01250120200300_Auburn Hills Public Square Drawings\Civil\Plans_Cons\20200300_LC_2024-1113.dwg Feb 16, 2024 - 12:10pm



RTSP

Round Tapered Steel Poles



Pole Shaft

The pole shaft is a one section design; each section being fabricated from standard 7-gauge (0.1793") steel. The pole shaft material is a weldable grade hot rolled commercial quality carbon steel with a guaranteed minimum yield strength of 35,000 psi after fabrication. Each section is one-piece construction with a full length longitudinal weld and is cylindrical in cross-section having a uniform taper of 0.14 inches of diameter change per foot of length.

Base Plate

The anchor base is fabricated from commercial quality hot rolled carbon steel plate that meets or exceeds a minimum yield strength of 35,000 psi. The anchor base telescopes the pole shaft and is circumferentially welded top and bottom. All welds are performed in accordance with the American Welding Society specification AWS D1.1, latest edition.

Anchor Bolts

Anchor bolts are fabricated from commercial quality hot rolled carbon steel bar that meets or exceeds a minimum yield strength of 35,000 psi. Few properly sized anchor bolts, each with two regular hex nuts and washers, are furnished and shipped with all poles unless otherwise specified. Anchor bolts shall have the threaded and galvanized a minimum of 8 inches in accordance with ASTM A153. Fully galvanized anchor bolts are available upon request.

Handhole

An oval reinforced gasketed handhole, having a nominal 4" x 6.5" inside opening, located at 1' - 6" above base, is standard on all poles. A grounding provision is located inside the handhole ring.

Finish

Color to be determined.

CONTRACTOR SHALL SUBMIT CONCRETE FOOTING SHOP DRAWINGS, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

POLE SPECIFICATIONS - NORTHERN POLES

Series: RTSP - Round Tapered Steel Poles

Nominal Height: 16' Base Diameter: 9.0" Gauge: 7

Finish: (F) = TBD - Color to be determined

Mounting Designation: 2GSS9 - (2) CROSS

Options: BC, EBT-SPEC - Base Cover, Eye Bolt, SPECIFIED

Height (ft.)	Pole Shaft (in.) x (in.) x (ft.)	Gauge	Handhole Size (in.)	Anchor Bolt (in.) x (in.) x (in.)	Bolt Circle (in.)	Ship Wt. (lbs.)
--------------	----------------------------------	-------	---------------------	-----------------------------------	-------------------	-----------------

16	9.0 x 4.8 x 16	7	4 x 6.5	1.25 x 42 x 6	52.5	493
----	----------------	---	---------	---------------	------	-----

RTSP16-9-0-7-(F)-2GSS9-EBT-BC-SPEC

SPEC = CXASQ3180 MOUNTED @ 13' & EYEBOLT 6" BELOW POLE TOP

POLE SPECIFICATIONS - SOUTHERN POLES

Series: RTSP - Round Tapered Steel Poles

Nominal Height: 16' Base Diameter: 9.0" Gauge: 7

Finish: (F) = TBD - Color to be determined

Mounting Designation: 1GSS9 - (1) CROSS

Options: BC, EBT-SPEC - Base Cover, Eye Bolt, SPECIFIED

Height (ft.)	Pole Shaft (in.) x (in.) x (ft.)	Gauge	Handhole Size (in.)	Anchor Bolt (in.) x (in.) x (in.)	Bolt Circle (in.)	Ship Wt. (lbs.)
--------------	----------------------------------	-------	---------------------	-----------------------------------	-------------------	-----------------

16	9.0 x 4.8 x 16	7	4 x 6.5	1.25 x 42 x 6	52.5	493
----	----------------	---	---------	---------------	------	-----

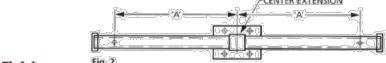
RTSP16-9-0-7-(F)-1GSS9-EBT-BC-SPEC

SPEC = CXASQ3180 MOUNTED @ 13' & EYEBOLT 6" BELOW POLE TOP

CROSS ARM CONFIGURATIONS FOR LUMINAIRES - NORTHERN POLES

CXASQ - Crossarm

Pole Luminaire Mounting Adaptors



Finish

Color to be determined.

Series: CXASQ - Crossarm

No. of Arms & Orientation: 3 @ 180° Arm Spread: 36

Slipfitter: 2 - 2 3/8" O.D. Tenon

Finish: (F) = TBD - Color to be determined

Pole Mounting: GMT - Gain Mount

Catalog No.	No. of arms	Arm Spread 'A' (in.)	Slipfitter	EPA	WT. (lb.)
-------------	-------------	----------------------	------------	-----	-----------

CXASQ3180-36	3 @ 180°	36	DN	3.0	65
--------------	----------	----	----	-----	----

CXASQ3180-36-2-(F)-GMT

CXASQ - Crossarm

Pole Luminaire Mounting Adaptors



Finish

Color to be determined.

Series: CXASQ - Crossarm

No. of Arms & Orientation: 2 @ 180° Arm Spread: 30

Slipfitter: 2 - 2 3/8" O.D. Tenon

Finish: (F) = TBD - Color to be determined

Pole Mounting: GMT - Gain Mount

Catalog No.	No. of arms	Arm Spread 'A' (in.)	Slipfitter	EPA	WT. (lb.)
-------------	-------------	----------------------	------------	-----	-----------

CXASQ2180-30	2 @ 180°	30	DN	2.0	40
--------------	----------	----	----	-----	----

CXASQ2180-30-2-(F)-GMT

CROSS ARM CONFIGURATIONS FOR LUMINAIRES - SOUTHERN POLES

CXASQ - Crossarm

Pole Luminaire Mounting Adaptors



Finish

Color to be determined.

Series: CXASQ - Crossarm

No. of Arms & Orientation: 3 @ 180° Arm Spread: 36

Slipfitter: 2 - 2 3/8" O.D. Tenon

Finish: (F) = TBD - Color to be determined

Pole Mounting: GMT - Gain Mount

Catalog No.	No. of arms	Arm Spread 'A' (in.)	Slipfitter	EPA	WT. (lb.)
-------------	-------------	----------------------	------------	-----	-----------

CXASQ3180-36	3 @ 180°	36	DN	3.0	65
--------------	----------	----	----	-----	----

CXASQ3180-36-2-(F)-GMT

1 LIGHT POLE SPECIFICATIONS

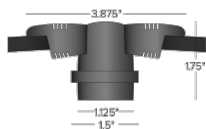
N.T.S.



Key Features

- Perfect for festoon mounting and garden lighting, taught or swayed with cable mounted downward direction for outdoor wet IP65 use. Product can be mounted in outward or upward directions for indoor/outdoor damp IP44 use.
- Sockets available in E26 medium base and GU10 base.
- Lamp spacing available in 12" OC and 24" OC.
- To be completed with DURALED STARGAZER or DECOLED TECNO VINTAGE lamp range, sold separately.
- Provided with one Male 2 prong 120V AC plug with 5ft lead and one female 2 hole 120V AC socket with 2ft end per spool.
- Max continuous length: 1100W max per continuous interconnected spools
- Spool length: 48ft 48 sockets (@ 12" OC) or 48ft 24 sockets (@ 24" OC)

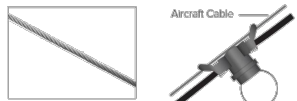
Dimensional Drawings



Installation Examples



Mounting Accessories (Optional)



DLCLAC1/16SS

1/16" inch (diameter) Aircraft cable stainless steel. For use up to 70lbs load.

DLCLAC3/32SS

3/32" inch (diameter) Aircraft cable stainless steel. For use up to 150lbs load.

DURALED™ CABLE LIGHT



Details

Spacing	12" or 24" OC Socket Spacing
Lamp Type	For use with DURALED STARGAZER or DECOLED TECNO VINTAGE lamp range, sold separately.
Wattage	5W max per socket
Voltage	120V AC 60Hz
Length	Sold in 48ft spools.
Installation	Junction Box or GFI installation only. Attach to aircraft cable (sold separately, page 2). Recommended 1/8" aircraft cable for wall to wall installation, 3/16" aircraft cable for pole to pole installation. Optional cable wrap encases aircraft cable and DURALED Cable for a clean one wire look.
Weight	E26 Medium Base Cable Only 12" OC = 0.19Lbs/ft 24" OC = 0.16Lbs/ft GU10 Base Cable Only 12" OC = 0.21Lbs/ft 24" OC = 0.16Lbs/ft
IP Rating	IP65 (IP44 if mounted in outward or upward direction)
Certification	Energy efficient for California installations.
Listing	ETLus
Warranty	5 year warranty *Please Stay Compliant when using Decorative Shade and DURALED STARGAZER lamp.

2 STRING LIGHT SPECIFICATIONS

N.T.S.



DECOLED TECNO VINTAGE™ LED S-LAMP

DIMENSIONAL DRAWINGS



DETAILS

Lamp Type	ST21 Retro Vintage Filament Style LED Lamp
Color Temp	2200K
Color Consistency	Advanced LED binning with +/- 2-step MacAdam Ellipses Color consistency maintained through rated lamp life
Wattage	4.5W
Lumen	352lm
Efficacy	78lm/W
Voltage	120V
Color Quality	>80Ra
Lamp Life	15,000 hours at L70
Base	E26
Distribution	320°
Dimming	ELV or MLV & CL Leading Edge Dimmers
Dimensions	2.52" Dia x 5.55" Length
Weight	0.23lbs
Listing	UL Wet Listed E486263
Certifications	Tested in accordance with LM-79-08
Warranty	3 year warranty

3 STRING LIGHT BULB SPECIFICATIONS

N.T.S.

NOTE:
ALL ELECTRICAL COMPONENTS (INCLUDING POLES AND LUMINAIRES) SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF AUBURN HILLS BUILDING AND ELECTRICAL CODES.



Know what's below.
Call before you dig.

ARCHITECTS ENGINEERS PLANNERS

34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427

OHM-ADVISORS.COM

REVISIONS	02/16/2024	REBIDDING
-----------	------------	-----------

SHEET	DATE	PROJ NUMBER	ENG	PROJ IGR	CADD	COUNTY	MUNICIPALITY	REVISIONS
-------	------	-------------	-----	----------	------	--------	--------------	-----------

0125-03-000	FW	AW	CAUCAND	AUBURN HILLS				
-------------	----	----	---------	--------------	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

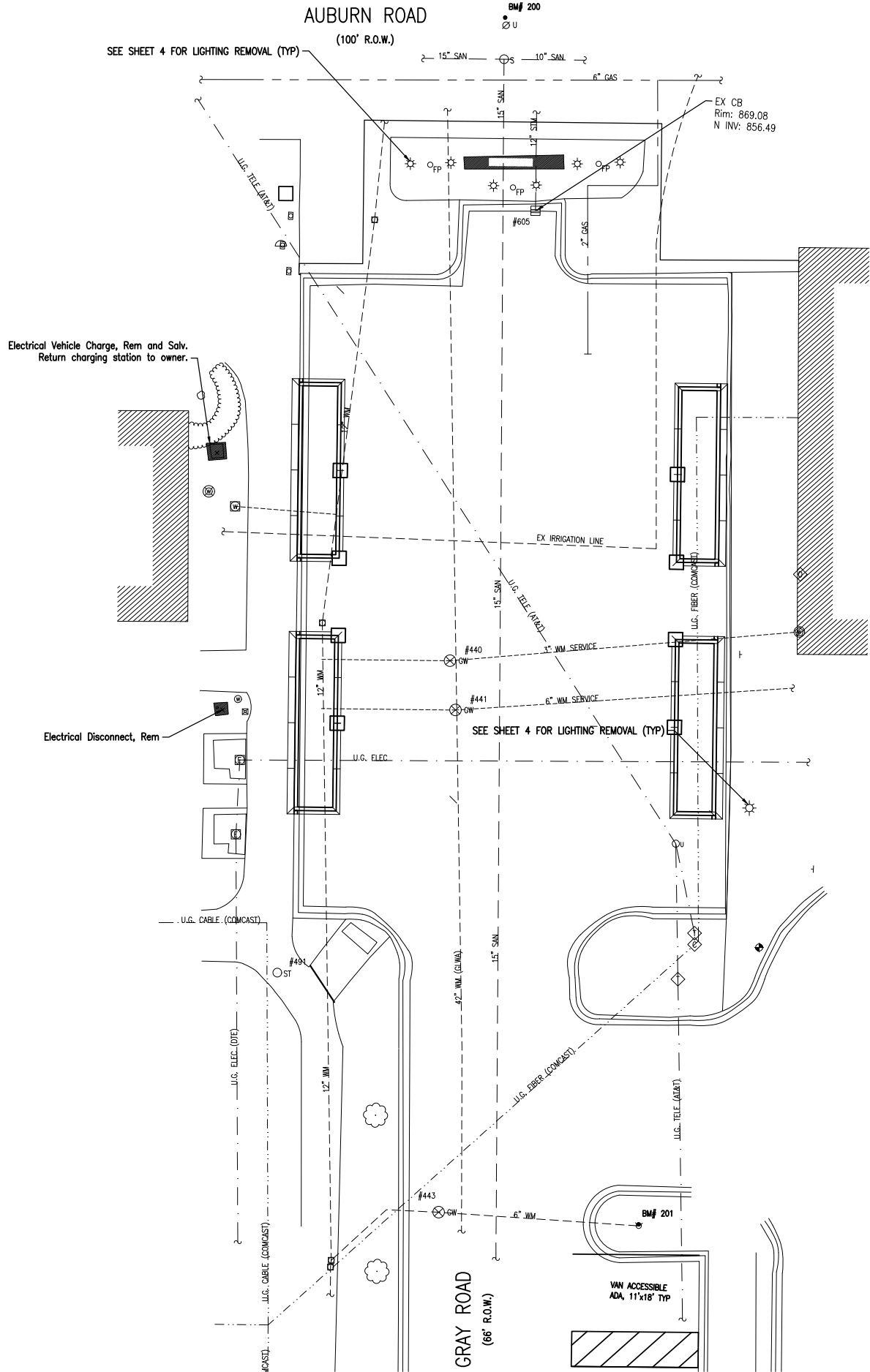
--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

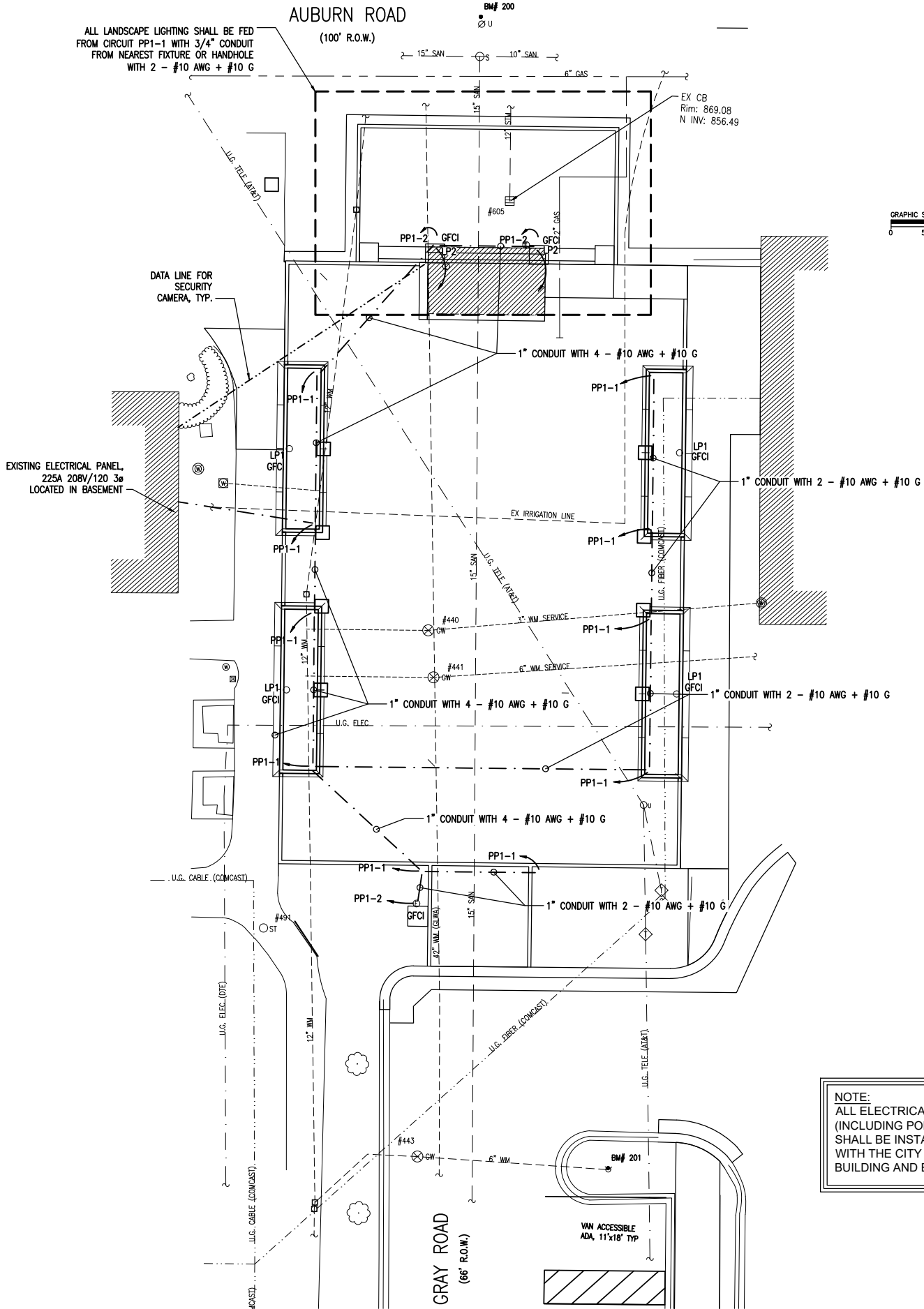
CITY OF AUBURN HILLS
AUBURN HILLS PUBLIC SQUARE
LIGHTING FIXTURE PLAN

COPYRIGHT 2016 OHM ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM

DRAWING PATH: \\omh\dfs\Corporate\Projects\0101_0125\012020300 Auburn Hills Public Square\Drawings\Civil\Plans Const\2030300ELEC 2023-1113.dwg Feb 16, 2024 - 12:11pm

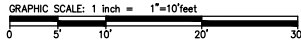



TOWN SQUARE DEMO ELECTRICAL PLAN
SCALE: 1" = 10'-0"



TOWN SQUARE PROPOSED ELECTRICAL PLAN
SCALE: 1" = 10'-0"

NOTE:
ALL ELECTRICAL COMPONENTS
(INCLUDING POLES AND LUMINAIRES)
SHALL BE INSTALLED IN ACCORDANCE
WITH THE CITY OF AUBURN HILLS
BUILDING AND ELECTRICAL CODES.





ARCHITECTS ENGINEERS PLANNERS

34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427
OHM-ADVISORS.COM

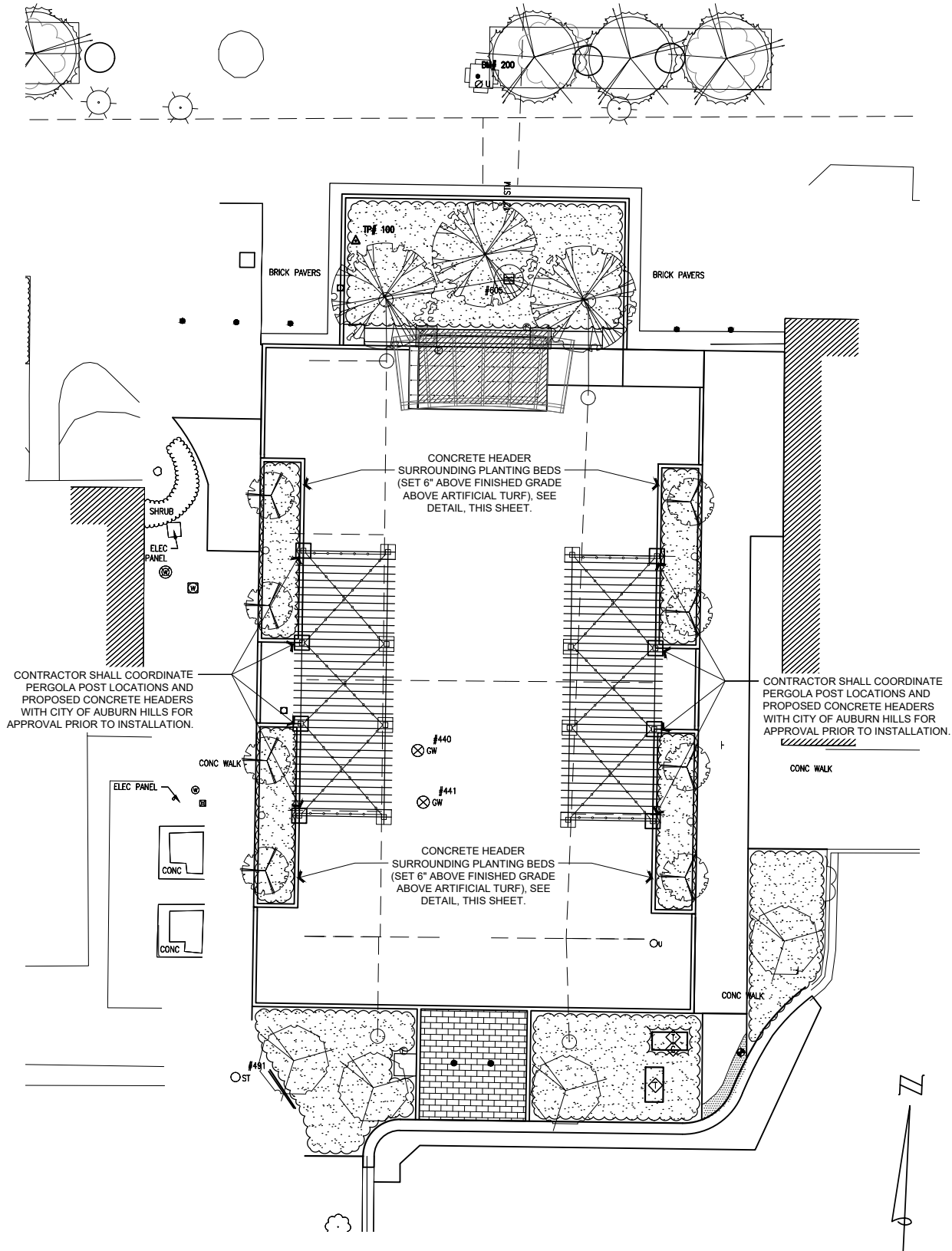
REVISIONS		02/16/2024 REBIDDING	
DATE		PROJECT	PROJ NO
CITY OF AUBURN HILLS		COUNTY	PROJ NO
AUBURN HILLS PUBLIC SQUARE		CITY	PROJ NO
ELECTRICAL PLANS		CITY	PROJ NO

16

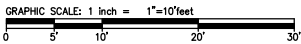
OF 18

DRAWING PATH: \\ohm\dfs\Corporate\Projects\0101_0125\0120200300_Auburn_Hills_Public_Square\Drawings\Civil\Plans_Const\200300ELEC_2023-1113.dwg Feb 16, 2024 - 12:11pm

DRAWING PATH: \\omh\dfs\Corporate\Projects\0101_0125\012020300_Auburn Hills Public Square\Drawings\Civil\Plans_Const\2030300.SC_2023-1113.dwg Feb 16, 2024 - 12:12pm



LANDSCAPE PLANTER ALTERNATE - CONCRETE HEADER
SCALE: 1" = 10'-0"



1



ARCHITECTS ENGINEERS PLANNERS

34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427
OHM-ADVISORS.COM

REVISIONS				02/16/2024	REBIDDING
				----	----
				----	----
				----	----
				----	----
				----	----
				----	----
				----	----
				----	----
				----	----
DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	MUNICIPALITY
	0120203000	HM	BW	JHS	AUBURN HILLS
CITY OF AUBURN HILLS					
AUBURN HILLS PUBLIC SQUARE					
ALTERNATE 1					



Know what's below.
Call before you dig.

Item No.	Description	Estimated Quantity	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1)	Mobilization, Max	1.00 LSUM	\$2,224.00	\$2,224.00	\$50,000.00	\$50,000.00	\$38,416.41	\$38,416.41	\$52,000.00	\$52,000.00
2)	Tree, Rem, 6 inch to 18 inch	4.00 Ea	\$556.00	\$2,224.00	\$550.00	\$2,200.00	\$1,729.10	\$6,916.40	\$1,500.00	\$6,000.00
3)	Curb and Gutter, Rem	507.00 Ft	\$9.00	\$4,563.00	\$20.00	\$10,140.00	\$11.67	\$5,916.69	\$12.00	\$6,084.00
4)	Sidewalk, Rem	142.00 Syd	\$28.00	\$3,976.00	\$28.00	\$3,976.00	\$56.40	\$8,008.80	\$30.00	\$4,260.00
5)	Pavt Rem, Modified	683.00 Syd	\$13.00	\$8,879.00	\$17.00	\$11,611.00	\$14.96	\$10,217.68	\$17.00	\$11,611.00
6)	Remove and Salvage Pavers	50.00 Syd	\$32.00	\$1,600.00	\$27.00	\$1,350.00	\$198.33	\$9,916.50	\$32.00	\$1,600.00
7)	Flagpole, Rem & Salvage	3.00 Ea	\$1,307.00	\$3,921.00	\$1,350.00	\$4,050.00	\$2,538.80	\$7,616.40	\$1,500.00	\$4,500.00
8)	Light Pole and Foundation, Rem	2.00 Ea	\$1,076.00	\$2,152.00	\$500.00	\$1,000.00	\$1,808.21	\$3,616.42	\$800.00	\$1,600.00
9)	Sign and Post, Rem	7.00 Ea	\$181.00	\$1,267.00	\$170.00	\$1,190.00	\$1,130.92	\$7,916.44	\$120.00	\$840.00
10)	Up-lights, Rem	6.00 Ea	\$170.00	\$1,020.00	\$28.00	\$168.00	\$594.40	\$3,566.40	\$50.00	\$300.00
11)	Landscape, Rem	1.00 LSUM	\$1,180.00	\$1,180.00	\$2,000.00	\$2,000.00	\$9,916.41	\$9,916.41	\$1,800.00	\$1,800.00
12)	Remove Monument and Foundation	1.00 LSUM	\$3,350.00	\$3,350.00	\$100,000.00	\$100,000.00	\$7,916.41	\$7,916.41	\$4,100.00	\$4,100.00
13)	Remove Conduit & Conductor for EV Charger	1.00 LSUM	\$560.00	\$560.00	\$165.00	\$165.00	\$3,566.41	\$3,566.41	\$750.00	\$750.00
14)	Subgrade Undercutting, Type II	30.00 Cyd	\$77.00	\$2,310.00	\$103.00	\$3,090.00	\$530.55	\$15,916.50	\$90.00	\$2,700.00
15)	Project Cleanup	1.00 LSUM	\$2,443.00	\$2,443.00	\$4,000.00	\$4,000.00	\$9,916.41	\$9,916.41	\$25,700.00	\$25,700.00
16)	Aggregate Base, 21AA, 4 inch	28.00 Syd	\$20.00	\$560.00	\$15.00	\$420.00	\$175.59	\$4,916.52	\$53.00	\$1,484.00
17)	Aggregate Base, 21AA, 6 inch	168.00 Syd	\$24.00	\$4,032.00	\$23.00	\$3,864.00	\$74.34	\$12,489.12	\$45.00	\$7,560.00
18)	Aggregate Base, 21AA, 8 inch	500.00 Syd	\$28.00	\$14,000.00	\$26.00	\$13,000.00	\$38.83	\$19,415.00	\$37.00	\$18,500.00
19)	HP Storm, 12 inch	40.00 Ft	\$230.00	\$9,200.00	\$165.00	\$6,600.00	\$210.41	\$8,416.40	\$88.00	\$3,520.00
20)	Dr Structure, 24 inch dia	2.00 Ea	\$4,212.00	\$8,424.00	\$4,100.00	\$8,200.00	\$3,408.21	\$6,816.42	\$4,700.00	\$9,400.00
21)	Dr Structure, 48 inch dia	1.00 Ea	\$5,001.00	\$5,001.00	\$6,500.00	\$6,500.00	\$6,816.41	\$6,816.41	\$5,850.00	\$5,850.00
22)	Replace Frame and Cover	2.00 Ea	\$904.00	\$1,808.00	\$890.00	\$1,780.00	\$2,458.21	\$4,916.42	\$1,170.00	\$2,340.00
23)	Structure, Adjust	4.00 Ea	\$635.00	\$2,540.00	\$600.00	\$2,400.00	\$1,604.10	\$6,416.40	\$600.00	\$2,400.00
24)	Underdrain, Subgrade, Open-Graded, 6 inch	255.00 Ft	\$100.00	\$25,500.00	\$38.00	\$9,690.00	\$19.28	\$4,916.40	\$41.00	\$10,455.00
25)	HMA, 4 inch	35.00 Syd	\$133.00	\$4,655.00	\$110.00	\$3,850.00	\$226.18	\$7,916.30	\$295.00	\$10,325.00
26)	Accent Wall	15.00 Ft	\$2,114.00	\$31,710.00	\$1,150.00	\$17,250.00	\$1,461.09	\$21,916.35	\$2,480.00	\$37,200.00
27)	Stage Back Wall	13.00 Ft.	\$1,018.00	\$13,234.00	\$1,250.00	\$16,250.00	\$1,308.95	\$17,016.35	\$2,510.00	\$32,630.00
28)	Accent Wall Column	2.00 Ea	\$5,102.00	\$10,204.00	\$4,700.00	\$9,400.00	\$6,958.21	\$13,916.42	\$6,500.00	\$13,000.00
29)	Seat Wall	208.00 Ft	\$248.00	\$51,584.00	\$250.00	\$52,000.00	\$76.52	\$15,916.16	\$583.00	\$121,264.00
30)	Stage Awning	1.00 LSUM	\$78,000.00	\$78,000.00	\$40,000.00	\$40,000.00	\$132,397.41	\$132,397.41	\$60,500.00	\$60,500.00
31)	Stage Awning Cover	1.00 LSUM	Included in #30			\$0.00	\$8,988.22	\$8,988.22	\$10,100.00	\$10,100.00
32)	Awning Support Column	2.00 Ea	\$5,777.00	\$11,554.00	\$7,800.00	\$15,600.00	\$21,804.08	\$43,608.16	\$7,100.00	\$14,200.00
33)	Concrete Stage	1.00 LSUM	\$15,223.00	\$15,223.00	\$35,000.00	\$35,000.00	\$10,176.41	\$10,176.41	\$26,600.00	\$26,600.00
34)	Historical Marker	1.00 LSUM	\$13,712.00	\$13,712.00	\$9,000.00	\$9,000.00	\$5,830.46	\$5,830.46	\$20,300.00	\$20,300.00
35)	Curb and Gutter, Conc, Det F2	74.00 Ft	\$39.00	\$2,886.00	\$90.00	\$6,660.00	\$91.17	\$6,746.58	\$48.00	\$3,552.00
36)	Concrete Header	360.00 Ft	\$39.00	\$14,040.00	\$31.00	\$11,160.00	\$77.49	\$27,896.40	\$54.00	\$19,440.00
37)	Detectable Warning Surface	16.00 Ft	\$83.00	\$1,328.00	\$55.00	\$880.00	\$288.53	\$4,616.48	\$120.00	\$1,920.00
38)	Sidewalk, Conc, 4 inch	860.00 Sft	\$15.00	\$12,900.00	\$12.30	\$10,578.00	\$10.97	\$9,434.20	\$9.50	\$8,170.00
39)	Sidewalk, Conc, 6 inch	120.00 Sft	\$18.00	\$2,160.00	\$22.00	\$2,640.00	\$36.47	\$4,376.40	\$10.50	\$1,260.00
40)	Decorative Conc, 6 inch	217.00 Sft	\$22.00	\$4,774.00	\$40.00	\$8,680.00	\$40.74	\$8,840.58	\$21.00	\$4,557.00
41)	Install Salvaged Brick Pavers	246.00 Sft	\$38.00	\$9,348.00	\$22.00	\$5,412.00	\$24.05	\$5,916.30	\$22.00	\$5,412.00
42)	Sidewalk Conc, 4 inch, Paver Base	28.00 Syd	\$140.00	\$3,920.00	\$105.00	\$2,940.00	\$194.01	\$5,432.28	\$79.50	\$2,226.00
43)	Buxus microphylla 'Green Gem', #3 cont.	26.00 Ea	\$182.00	\$4,732.00	\$88.00	\$2,288.00	\$261.40	\$6,796.40	\$90.00	\$2,340.00
44)	Spiraea x bumalda 'Goldflame', #3 cont.	9.00 Ea	\$137.00	\$1,233.00	\$72.00	\$648.00	\$429.60	\$3,866.40	\$55.00	\$495.00
45)	Planting Mix, 18 inch	190.00 Syd	\$49.00	\$9,310.00	\$36.00	\$6,840.00	\$62.98	\$11,966.20	\$65.00	\$12,350.00
46)	Planting Mix, Planters	26.00 Cyd	\$98.00	\$2,548.00	\$72.00	\$1,872.00	\$176.40	\$4,586.40	\$100.00	\$2,600.00
47)	Shredded Hardwood Bark Mulch, 4 inch	28.00 Cyd	\$208.00	\$5,824.00	\$83.00	\$2,324.00	\$187.01	\$5,236.28	\$140.00	\$3,920.00

48)	Acer Rubrum 'Bowhall' 3" CAL	3.00 Ea	\$1,415.00	\$4,245.00	¹	\$605.00	\$1,815.00	\$2,037.47	\$6,112.41	\$1,100.00	\$3,300.00	
49)	Geranium 'Max Frei', 1 gal	379.00 Ea	\$59.00	\$22,361.00	¹	\$22.00	\$8,338.00	\$31.01	\$11,752.79	¹	\$20.00	\$7,580.00
50)	Hemerocallis 'Strawberry Candy', 1 gal	48.00 Ea	\$48.00	\$2,304.00	¹	\$22.00	\$1,056.00	\$103.18	\$4,952.64	¹	\$20.00	\$960.00
51)	Hydrangea macrophylla 'Endless Summer' #5 Cont.	40.00 Ea	\$218.00	\$8,720.00	¹	\$83.00	\$3,320.00	\$185.41	\$7,416.40	¹	\$75.00	\$3,000.00
52)	Liquidamber styraciflua 'Slender Silhouette' 3 inch	8.00 Ea	\$1,353.00	\$10,824.00	¹	\$660.00	\$5,280.00	\$1,107.05	\$8,856.40	¹	\$1,250.00	\$10,000.00
53)	Pennisetum alopecuriodes, 1 gal	42.00 Ea	\$55.00	\$2,310.00	¹	\$33.00	\$1,386.00	\$111.34	\$4,676.28	¹	\$20.00	\$840.00
54)	Syringa reticulata 'Ivory Silk' 12 foot height	3.00 Ea	\$1,475.00	\$4,425.00	¹	\$660.00	\$1,980.00	\$1,744.80	\$5,234.40	¹	\$1,100.00	\$3,300.00
55)	Taxus x media 'Wardii' #3 Cont.	34.00 Ea	\$206.00	\$7,004.00	¹	\$105.00	\$3,570.00	\$228.48	\$7,768.32	¹	\$100.00	\$3,400.00
56)	Removable Bollard	7.00 Ea	\$1,889.00	\$13,223.00	¹	\$2,000.00	\$14,000.00	\$1,469.77	\$10,288.39	¹	\$2,050.00	\$14,350.00
57)	Pergola	2.00 Ea	\$71,720.00	\$143,440.00		\$65,000.00	\$130,000.00	\$58,738.85	\$117,477.70		\$77,600.00	\$155,200.00
58)	Pergola Stone Column	16.00 Ea	\$3,635.00	\$58,160.00	¹	\$4,060.00	\$64,960.00	\$807.28	\$12,916.48	¹	\$6,100.00	\$97,600.00
59)	Pole Luminaire	16.00 Ea	Included in #64			\$2,900.00	\$46,400.00	\$369.78	\$5,916.48	¹		\$0.00
60)	Support Pole & Foundation	4.00 Ea		\$1,335.00	\$5,340.00	¹	\$2,750.00	\$11,000.00	\$2,479.10	\$9,916.40	¹	\$2,925.00
61)	Artificial Turf	4500.00 Sft	\$21.00	\$94,500.00	¹	\$16.00	\$72,000.00	\$19.25	\$86,625.00	¹	\$23.00	\$103,500.00
62)	Electrical, Wiring & Conduits	1.00 LSUM	\$7,662.00	\$7,662.00		\$30,000.00	\$30,000.00	\$3,916.41	\$3,916.41		\$132,400.00	\$132,400.00
63)	Wiring Devices	1.00 LSUM	\$4,982.00	\$4,982.00		\$11,000.00	\$11,000.00	\$3,916.41	\$3,916.41			\$0.00
64)	Lighting Control Devices	1.00 LSUM	\$69,395.00	\$69,395.00		\$11,000.00	\$11,000.00	\$111,798.41	\$111,798.41			\$0.00
65)	Lighting Control Conduit and Conductors	1.00 LSUM	\$2,647.00	\$2,647.00		\$11,000.00	\$11,000.00	\$8,416.41	\$8,416.41			\$0.00
66)	Handholes	8.00 Ft	\$4,059.00	\$32,472.00	¹	\$1,000.00	\$8,000.00	\$1,327.05	\$10,616.40	¹	\$1,050.00	\$8,400.00
67)	Automatic Irrigation System	1.00 Ft	\$6,074.00	\$6,074.00		\$7,100.00	\$7,100.00	\$10,216.41	\$10,216.41		\$11,700.00	\$11,700.00
68)	Conduit, Sch 40 PVC, 4 inch	220.00 Ea	\$23.00	\$5,060.00	¹	\$33.00	\$7,260.00	\$23.53	\$5,176.60	¹	\$10.00	\$2,200.00
69)	Conduit, Sch 40 PVC, 2 inch	110.00 LSUM	\$18.00	\$1,980.00	¹	\$22.00	\$2,420.00	\$37.06	\$4,076.60	¹	\$7.00	\$770.00
70)	Quick Coupling Valve	4.00 Each	\$111.00	\$444.00	¹	\$150.00	\$600.00	\$1,154.10	\$4,616.40	¹	\$350.00	\$1,400.00
71)	Contracting Staking	1.00 LSUM	\$1,118.00	\$1,118.00		\$8,000.00	\$8,000.00	\$10,111.41	\$10,111.41		\$9,400.00	\$9,400.00
72)	Crew Days	780.00 Cday	N/A			90	\$70,200.00	15	\$14,486.40	¹	85	\$66,300.00

*Crew Days \$965.76/Day

Total Bid Amount (Items 1-71):	*Including 76 & 77	<u>\$989,301.00</u> ²	<u>\$1,040,351.00</u>	<u>\$1,095,110.46</u> ²	<u>\$1,247,015.00</u>
--------------------------------	--------------------	----------------------------------	-----------------------	------------------------------------	-----------------------

Alternates:

73)	Landscape Planter Concrete Header	250.00 Ft	\$44.00	\$11,000.00		\$70.00	\$17,500.00	\$75.00	\$18,750.00		\$63.00	\$15,750.00
74)	Watering and Cultivating, First Season, Min	1.00 LSUM	\$13,505.00	\$13,505.00		\$5,000.00	\$5,000.00	\$33,600.00	\$33,600.00		\$4,500.00	\$4,500.00
75)	Watering and Cultivating, 2nd Season, Min	1.00 LSUM	\$13,505.00	\$13,505.00		\$5,000.00	\$5,000.00	\$33,600.00	\$33,600.00		\$4,500.00	\$4,500.00
76)	Statue Foundation	1.00 Each	\$2,224.00	\$2,224.00								
77)	General Conditions			\$60,774.00								

CORRECTIONS

¹ Contractors Multiplication Error Corrected

² Total Adjusted Due to Contractors Mathematical Error

No Submission Given by Contractor



April 1, 2024

Stephen Baldante
Director of Public Works
CITY OF AUBURN HILLS
1500 Brown Road
Auburn Hills, MI 48326

RE: 2024 Public Square
Letter of Recommendation

Dear Mr. Baldante:

On March 20, 2024 at 11:00 am, a total of four bids were received for the above referenced project. The bidders are as follows:

Contractor	Total Bid	Contract Items less Crew Days
Bernal Contractors, Inc.	\$989,301.00	\$989,301.00
Warren Contractors & Development, Inc.	\$1,040,351.00	\$970,151.00
Quadrat Construction, LLC	\$1,095,110.46	\$1,080,624.06
WCI Contractors, Inc.	\$1,247,015.00	\$1,180,715.00

The project consists of constructing a Public Square in the Downtown, south of Auburn Road between the DEN and the 3400 Auburn Rd Building. The work will include removal of the existing asphalt pavement and curb, base improvements for artificial turf, installation of underdrain system for drainage, construction of a stage structure and pergola structures, installation of seat walls/planter beds, landscaping, & site lighting.

Bernal Contractors, Inc. out of Warren, Michigan was the “as-read” low bidder for the project. Upon review of the bids, Bernal did not include an amount for Crew Days in their bid. After analyzing the bids for the remaining contract items, less Crew Days for the remaining bidders, Warren Contracting & Development, Inc. out of Shelby Township, Michigan is the low bidder for this project.

Warren Contracting & Development has 30 years of experience in similar construction and have completed many other projects throughout the region, including projects for the City of Auburn Hills such as the amphitheater in Riverside Park. Based on our previous experience and their qualifications, **we would recommend award of this contract to Warren Contractors & Development, Inc. in the amount of \$970,151.00, per the unit prices listed on the bid.** The amount entered in the bid for Crew Days (\$70,200) are not included in the recommended award amount as these are not part of payments made to the Contractor, but these amounts are included in the total for determining the lowest bid.

Digital files of this letter and a bid tabulation have been emailed to your office. If you have any questions or require additional information, please feel free to contact this office.



Sincerely,
OHM Advisors



Timothy J. Juidici, P.E.

cc: Tim Wisser, Manager of Municipal Properties
Brandon Skopek, Assistant City Manager
Ben Weaver, OHM
File



April 1, 2024

Mr. Stephen Baldante
Director of Public Works
City of Auburn Hills
1500 Brown Road
Auburn Hills, Michigan 48326

RE: **2024 Public Square**
Scope of Services

Dear Mr. Baldante:

Outlined below is a Scope of Work for construction services to be provided by OHM Advisors for the above referenced project.

PROJECT UNDERSTANDING

It is our understanding that the City of Auburn Hills plans to move forward with the construction phase of the 2024 Public Square project for which bids were received on Wednesday, March 20, 2024. The proposed project consists of constructing a Public Square in the Downtown, south of Auburn Road between the DEN and the 3400 Auburn Rd Building. The work will include removal of the existing asphalt pavement and curb, base improvements for artificial turf, installation of underdrain system for drainage, construction of a stage structure and pergola structures, installation of seat walls/planter beds, landscaping, & site lighting.

SCOPE OF SERVICE

Design and Contract Documents

Under this task, design of revised improvements, including pergola structures, raised planters, lighting, electrical, etc. will be performed and final construction documents will be created and advertised for bidding. Specific work efforts include:

- Design plans for revised/upgraded improvements to include with the project.
- Complete construction details.
- Prepare a bid sheet entailing all items of work and associated quantities.
- Prepare a final engineer's opinion of probable cost.
- Prepare and place an advertisement for bid. The job will be advertised for three (3) weeks with MITA & CAM. An invoice for advertisement, if applicable, will be provided to the Clerk for payment.
- Prepare schedule for proposed work, including construction start, substantial completion, and final completion dates.
- Produce two (2) copies of contract documents for the DPW, if requested.
- Attend and plan one (1) meeting with the City to review contract documents prior to distribution for bid, if requested.
- Attend the bid opening.



- Prepare and evaluate a project bid tab. The bid tab shall include bidding contractors' total project bid and unit price breakdown.
- Check references for the three lowest bidding contractors.
- Provide a recommendation of award.
- OHM will assist in executing the Contract books including the following
 - i. Create and mail out a Notice of Award letter to the awarded Contractor.
 - ii. Coordinate the execution of six (6) copies of contract book.
 - iii. Produce two (2) executed copies of contract documents for the City. One copy will be delivered to the City Clerk and one copy will be delivered to the DPW.

Construction Engineering / Observation

Under this task the project team will observe the construction efforts on the project and assist with any necessary field changes to successfully complete the work. Specific work efforts include:

- Provide daily observation of the project when construction work is occurring to verify that materials, installation, and construction methods used are in conformance with the project plans and specifications as well as applicable standards. Full-time observation will be provided for all pavement, utility, & structure construction.
- Produce daily field reports to document construction activities and record quantities of contract pay items.
- Prepare and provide the Contractor with a list of required submittals and review shop drawings, construction schedules, materials certifications, and other submittals.
- Address Contractor's construction concerns and resolve conflicts with the executed contract specifications.
- Arrange and attend regularly scheduled progress meetings during the construction phase. It is anticipated that meetings will be held weekly during the active construction period.
- Coordinate with the materials testing consultant on material related items.
- Coordinate with the property owners and other stakeholders in the construction area regarding access, construction staging, schedule, and other pertinent items for the duration of the project.
- Prepare and deliver record (As-Built) plans that include the constructed location of all installed underground utilities. Record plans will be delivered electronically in PDF format.

Contract Administration

Under this task, the project team will complete services necessary to administer the contract. Specific work efforts include:

- Coordination with the Contractor and City to execute the contract documents.
- Arrange and attend one (1) pre-construction meeting prior to the start of the project.
- Provide two (2) signed copies of the contract documents to the City, one (1) to the Clerk's office and one (1) to the DPW.
- Review Contractor's progress on the project to ensure that the work is in compliance with the proposed schedule.
- Prepare monthly construction pay estimates and process contract change orders (if required).
- Request and review information from the Contractor to verify compliance with wage rates, Buy America, and other funding requirements.
- Review construction claims and coordinate claim resolution with Contractor and City.
- Request and collect Contractor's declaration, contractor's affidavit, waivers from major suppliers and subcontractors, release of surety, and release from other public agencies for which permits have been obtained under this contract.



Crew Days (Construction Observation)

This project contract includes a line item for Crew Days in Contractor's bid. This item is for construction observation required for the Contractor's operations. OHM will provide daily observation of work under this Crew Day item. Full-time inspection will be provided for all construction operations as indicated in the contract specifications for Crew Days. The Contractor has included the Crew Day amount in their bid based on their anticipated schedule for the project. It should be noted that the Contractor included 90 Crew Days in their bid, but we anticipate only 50 days may be used based on the scope of the project. As such, effort for 50 Crew Days is included in the budget below.

SCHEDULE

Based on the TIFA Board and Council meeting schedule, we anticipate that the project award would be approved at the April 15th Council meeting and construction on the project would begin in June. The project is expected to be completed by October of this year.

COMPENSATION

The design, construction engineering and contract administration outlined above will be performed on an hourly basis for the not-to-exceed amount of fifty-seven thousand five hundred dollars (\$57,500.00). The construction observation as Crew Days will be performed on a per day basis for the amount of forty thousand dollars (\$40,000.00), which is based on the amount bid by the Contractor for this item. The City will be invoiced for services on a monthly basis. The estimated budget breakdown is as follows:

Design/Contract Documents	\$ 19,500
Construction Engineering	\$ 20,800
Contract Administration	\$ 17,200
Crew Days (Observation)	<u>\$ 40,000</u>
Construction Services Total	\$ 97,500
Materials Testing Services (G2)	\$ 14,000

FURTHER CLARIFICATIONS AND ASSUMPTIONS

The above-listed scope of services was prepared with the following assumptions:

- Materials testing services will be provided by G2 Consulting Group under a separate contract and are not included in this scope of services. The estimated amount for this service is indicated above.
- The City will be responsible for all permit fees.

Should you find this agreement acceptable, please execute both copies and return one copy to us for our files. We look forward to providing professional services on this project. If you have any questions, please contact us.



Sincerely,
OHM ADVISORS

A handwritten signature in blue ink, reading "Timothy J. Juidici", positioned above a horizontal line.

Timothy J. Juidici, P.E.
Principal

cc: Tim Wisser, Manager of Municipal Properties
Brandon Skopek, Assistant City Manager
Ben Weaver, OHM
Jerry Ashburn, OHM
File

**City of Auburn Hills
2024 Public Square
Construction Services**

Accepted By: _____

Printed Name: _____

Title: _____

Date: _____