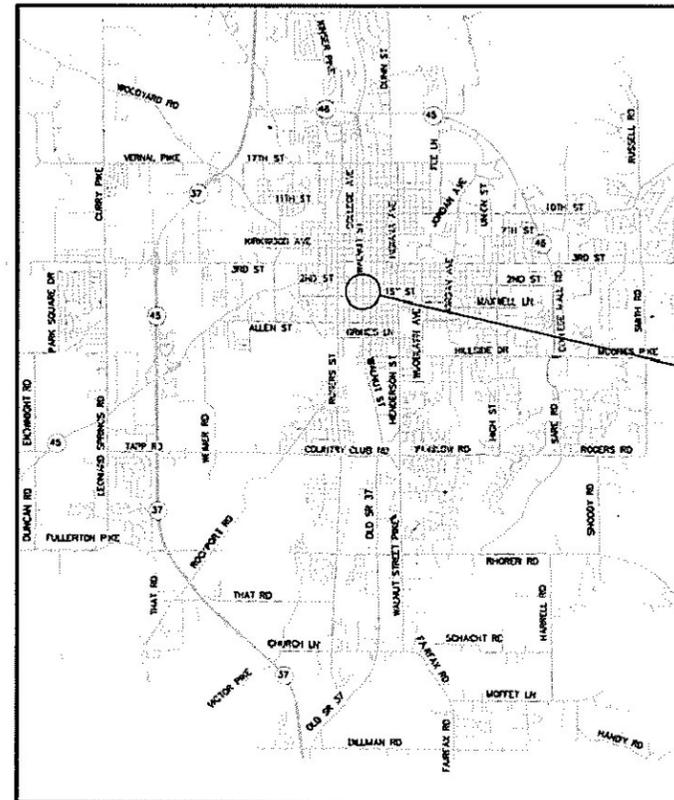


CITY OF BLOOMINGTON

WALNUT STREET LANDSCAPE PLAN

MARCH 15, 2013

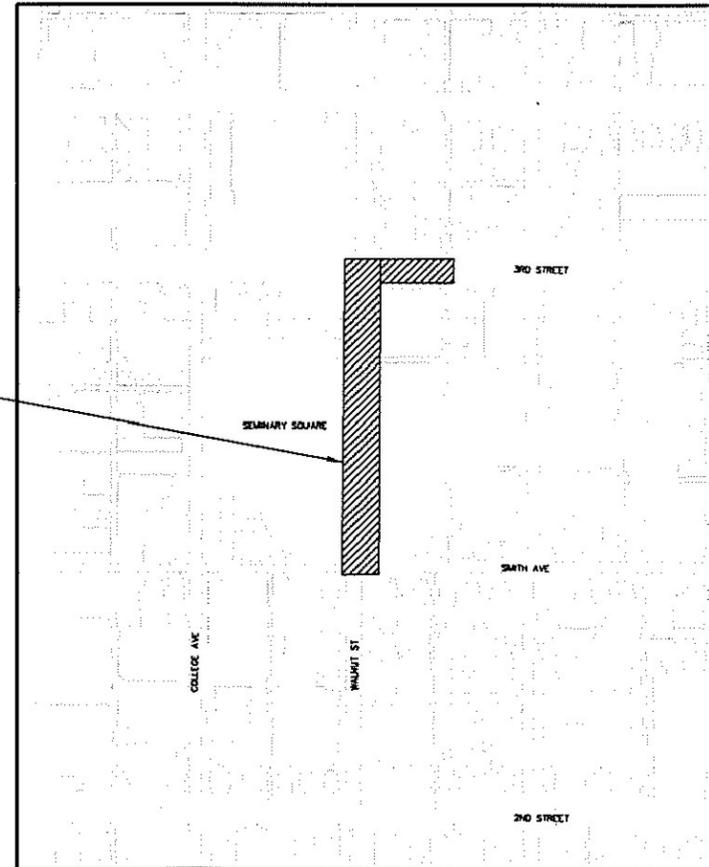


PROJECT LOCATION MAP

SCALE: N.T.S.



PROJECT



PROJECT SITE MAP

SCALE: N.T.S.

<u>SHEET NO.</u>	<u>TITLE</u>
1 - 3	Landscape Planting Plans
4	Enlargement Plan, Plant Schedule & Details
5 - 6	Enlargement Plans
7 - 11	Irrigation Plans

Prepared for:

City of Bloomington

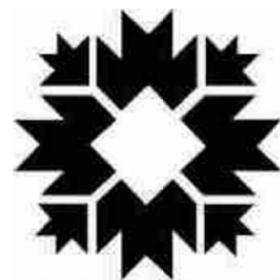
Parks & Recreation
Department

401 N. Morton, #250
Bloomington, IN 47402
812-349-3700

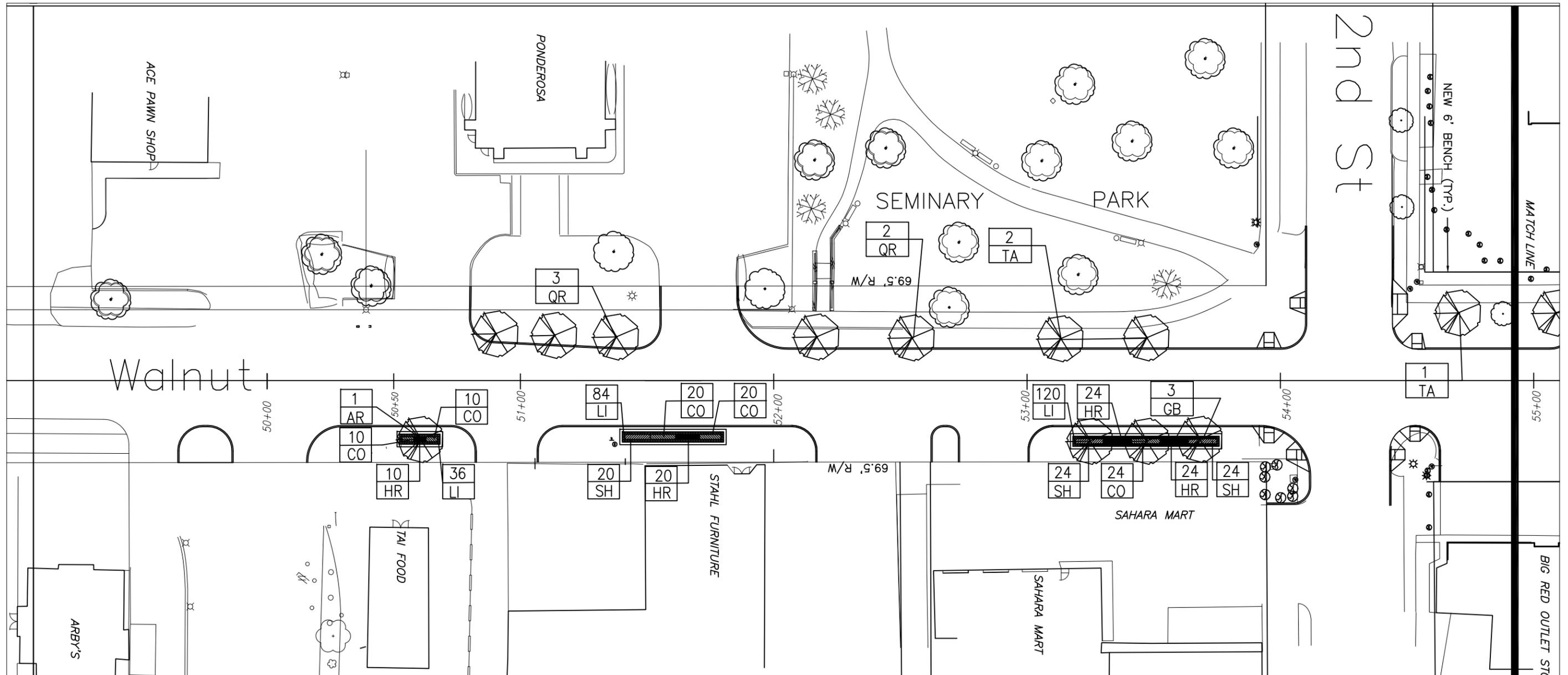
Public Works -
Engineering Division

401 N. Morton, #130
Bloomington, IN 47402
812-349-3417

Prepared by:



PLANNING & DESIGN, INC.
LANDSCAPE ARCHITECTURE DESIGN SERVICES
PO BOX 6095, FISHERS, IN 46038
PHONE: (317) 849-0600



- NOTE:
1. LANDSCAPE CONTRACTOR SHALL FIELD VERIFY ALL UTILITY LOCATIONS AND CONTACT UTILITY COMPANIES PRIOR TO THE COMMENCEMENT OF ANY INSTALLATION OF PLANT MATERIAL.
 2. LANDSCAPE CONTRACTOR SHALL STAKE ALL TREE LOCATIONS FOR APPROVAL BY OWNER PRIOR TO PLANTING.

LEGEND

-  PROPOSED TREE
- | |
|----|
| 24 |
| SH |

 QUANTITY PLANT TYPE
-  PROPOSED PERENNIALS
-  PROPOSED GROUNDCOVER

SEE ENLARGEMENT PLANS FOR
DETAIL PLANTING PLANS FOR
GROUNDCOVER/PERENNIALS





811

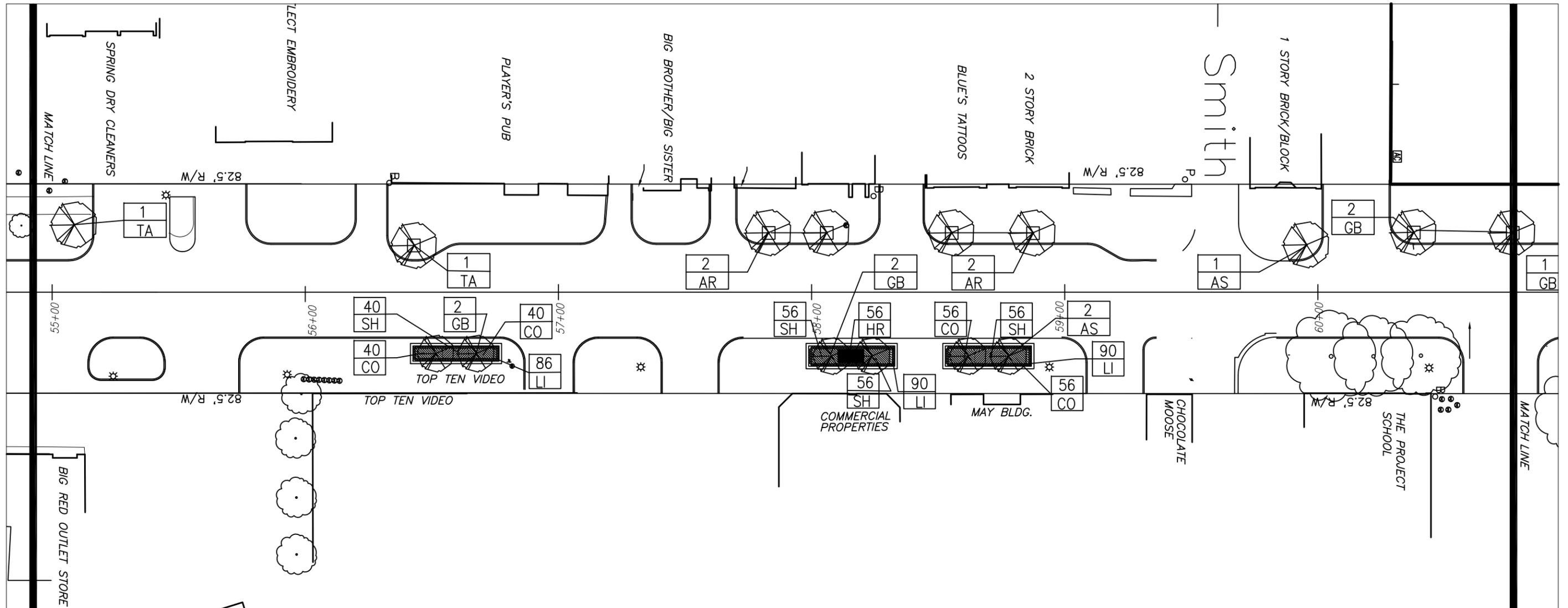
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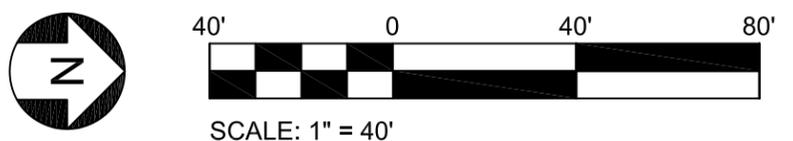
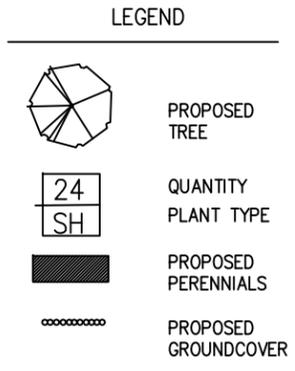
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CITY OF BLOOMINGTON: WALNUT STREET LANDSCAPE PROJECT		SHEET
Landscape Planting Plan		1
		OF
		11
BLOOMINGTON PARKS & RECREATION DEPARTMENT 401 N. MORTON ST, #250 BLOOMINGTON, IN 47309-3700	CORNERSTONE PLANNING & DESIGN, INC. FISHERS, IN PHONE: 317-849-0600	DATE: 3/15/13 REV:



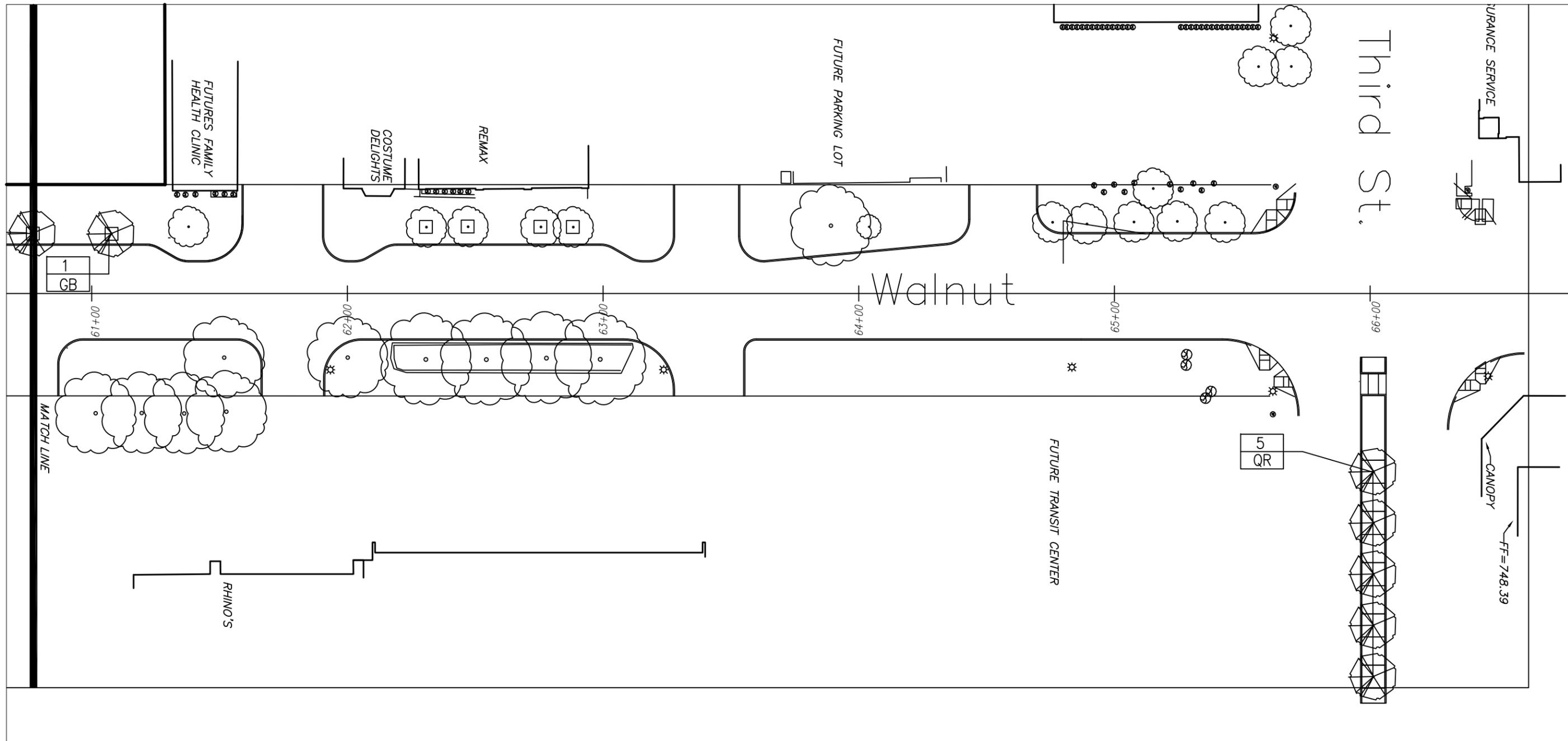
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SEE ENLARGEMENT PLANS FOR
 DETAIL PLANTING PLANS FOR
 GROUNDCOVER/PERENNIALS

CITY OF BLOOMINGTON: WALNUT STREET LANDSCAPE PROJECT		SHEET
Landscape Planting Plan		2
BLOOMINGTON PARKS & RECREATION DEPARTMENT 401 N. MORTON ST, #250 BLOOMINGTON, IN 812-349-3700		OF
CORNERSTONE PLANNING & DESIGN, INC. FISHERS, IN PHONE: 317-849-0600		11
DATE: 3/15/ 13 REV:		

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LEGEND

-  PROPOSED TREE
-  QUANTITY PLANT TYPE
-  PROPOSED PERENNIALS
-  PROPOSED GROUNDCOVER

SEE ENLARGEMENT PLANS FOR
 DETAIL PLANTING PLANS FOR
 GROUNDCOVER/PERENNIALS



SCALE: 1" = 40'



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CITY OF BLOOMINGTON: WALNUT STREET LANDSCAPE PROJECT

Landscape Planting Plan

BLOOMINGTON PARKS & RECREATION DEPARTMENT
 401 N. MORTON ST, #250 BLOOMINGTON, IN 812-349-3700

CORNERSTONE PLANNING & DESIGN, INC.
 FISHERS, IN PHONE: 317-849-0600

DATE: 3/15/13
 REV:

SHEET
3
 OF
11

PLANT SCHEDULE

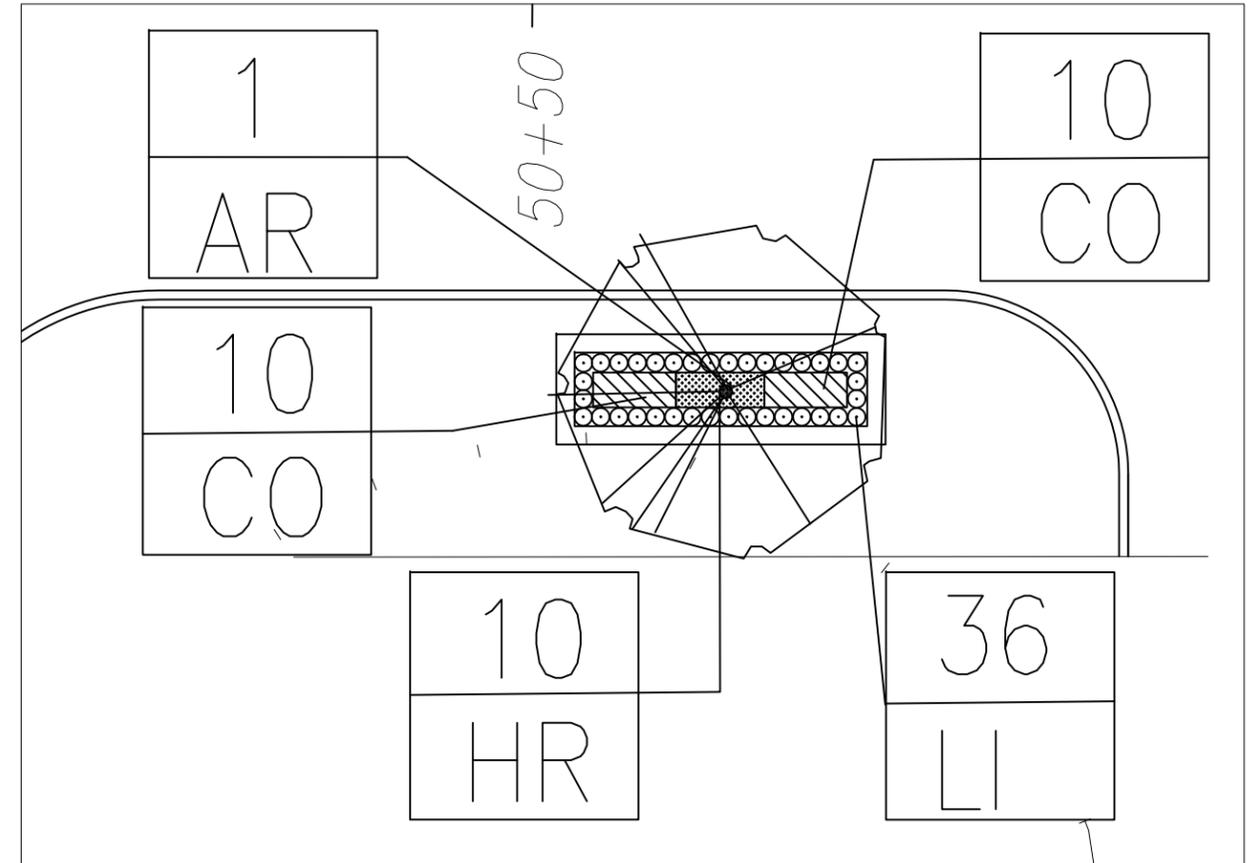
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
SHADE TREES					
AR	5	Acer r. 'Armstrong'	Armstrong Red Maple	2.5" Cal.	B&B Full Top
AS	3	Acer s. 'Barrett Cole'	Apollo Sugar Maple	2" Cal.	B&B Full Top
GB	11	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Ginkgo	1.5" Cal.	B&B Full Top
QR	10	Quercus robur x Q.alba 'Crimschmidt' P9903	Crimson Spire Oak	2.5" Cal.	B&B Full Top
TA	5	Tilia americana 'Redmond'	Redmond Linden	2" Cal.	B&B Full Top

OWNER HAS PURCHASED ALL TREES FROM BLUEGRASS NURSERY IN ANDERSON, IN. CONTRACTOR SHALL PROVIDE INSTALLATION FOR EACH TREE TYPE INCLUDING SHIPPING OF PLANT MATERIAL FROM BLUEGRASS NURSERY, APPROVED PLANTING SOIL MIX FOR ALL PLANT MATERIAL, APPROVED PLANTING SOIL MIX IS PROVIDED BY LOCAL SUPPLIER: GOOD EARTH GARDEN BLEND: MIX SHALL CONSIST OF 50% TOPSOIL, 40% COMPOST, 10% SAND.

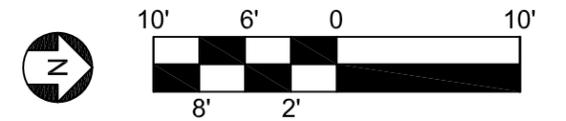
PLANTING MIX IS TO BE SUPPLIED BY LANDSCAPE CONTRACTOR. NO SUBSTITUTION OF PLANTING MIX WITHOUT PRE-APPROVAL BY CITY URBAN FORESTER. ALL LANDSCAPE PLANTER BOXES SHALL HAVE 18" OF FILL DIRT REMOVED BY HAND AND REPLACED WITH PLANTING SOIL MIX TO BE FILLED WITH PLANT MIX UP TO 4" BELOW BASE OF PLANTER CAP. ALL LANDSCAPE PLANTINGS AND TREES SHALL RECEIVE 3" MINIMUM HARDWOOD BARK MULCH. TREES TO BE PLANTED IN LAWN AREAS SHALL HAVE 5' DIA. CIRCLE OF SOD REMOVED FOR TREE PLANTING IF NEEDED.

GROUND COVER & PERENNIALS

LI	506	Liriope 'Big Blue'	Big Blue Liriope	1 Gallon	12" O.C.
CO	276	Coreopsis x vert. 'Moonbeam'	Moonbeam Coreopsis	1 Gallon	12" O.C.
HR	190	Hemorcallis 'Stella del oro Ruby'	Ruby Stella Del Oro Daylily	1 Gallon	12" O.C.
SH	276	Leucanthemum vulgare 'Snowcap'	Snowcap Shasta Daisy	1 Gallon	12" O.C.

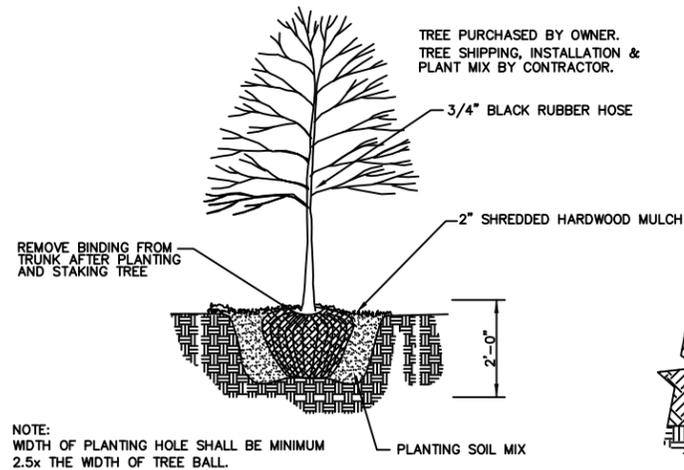


PLANTER BOX NEXT TO Tai FOOD RESTAURANT



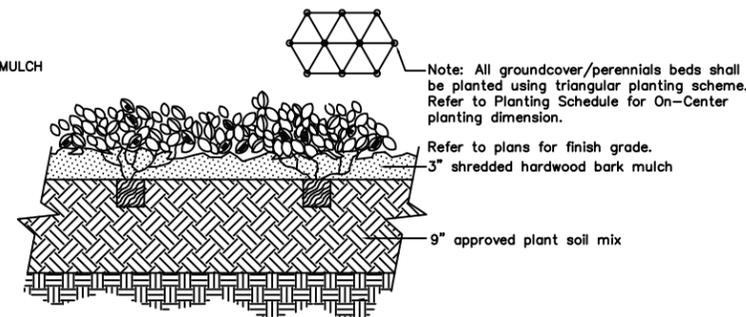
GENERAL NOTES:

- FINAL PLACEMENT OF PLANT MATERIALS, ETC. SHALL BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING OPERATIONS ARE TO PROCEED. ALL TREE LOCATIONS SHALL BE MARKED WITH A WOODEN STAKE INDICATING VARIETY AND SIZE OF TREE. ALL GROUND COVER AND MULCH BED LINES SHALL BE MARKED BY A HIGHLY VISIBLE PAINT LINE WITH OCCASIONAL WOOD STAKES FOR REFERENCE. ALL STAKES SHALL BE REMOVED FOLLOWING PLANTINGS OPERATIONS. PLANT MATERIAL LOCATIONS MAY BE ADJUSTED IN THE FIELD BY LANDSCAPE ARCHITECT AS NEEDED.
- RECONDITION AND SEED/RE-SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES THAT ARE NOT TO RECEIVE OTHER SURFACE TREATMENT.
- ALL TREE PLANTING AREAS TO BE COVERED WITH 3" THICK LAYER OF SHREDDED HARDWOOD BARK MULCH. ALL GROUND COVER BEDS SHALL BE COVERED WITH 2" SHREDDED HARDWOOD BARK MULCH. BARK MULCH SHALL BE APPROVED BY LANDSCAPE ARCHITECT AND SHALL BE UNIFORM IN TEXTURE AND COLOR AND SHALL BE OBTAINED FROM SAWMILL OR LUMBERING OPERATIONS. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED.
- AN APPROVED PRE-EMERGENT HERBICIDE SHALL BE APPLIED IN ALL PLANTING AND GROUND COVER BEDS AT RATES SPECIFIED BY MANUFACTURER FOR EACH VARIETY OF PLANT.
- VERIFY DEPTH OF PLANTING MIX PRIOR TO PLANT INSTALLATION. ALL PLANTERS SHALL BE FILLED WITH A MINIMUM OF 18" DEPTH OF APPROVED PLANT MIX BY CITY URBAN FORESTER. CONTRACTOR SHALL REMOVE BY HAND IN ALL PLANTER BOXES CONSTRUCTION FILL DIRT AS PART OF WORK.
- NO SUBSTITUTIONS OF PLANT MATERIAL WILL BE ALLOWED. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT PRIOR TO BID DATE IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT IDENTIFICATION AT NURSERY OR CONTRACTOR'S OPERATION PRIOR TO MOVING TO JOB SITE. PLANTS MAY ALSO BE INSPECTED AND APPROVED OR REJECTED ON THE JOB SITE.
- ALL PLANTS ARE TO MEET OR EXCEED LATEST EDITION OF AMERICAN STANDARDS FOR NURSERY STOCK AS SET FORTH BY AMERICAN ASSOCIATION OF NURSERYMEN, CITY OF BLOOMINGTON STANDARDS, AND SPECIFICATION SECTION 02930 EXTERIOR PLANTS.
- PLANTS AND ALL OTHER MATERIALS MAY NOT BE STORED ON SITE.
- ALL LANDSCAPE PLANTINGS EXCEPT TREES SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FOLLOWING FINAL INSPECTION BY LANDSCAPE ARCHITECT. AT THE END OF THIS PERIOD, PLANT MATERIAL TERMED DEAD OR UNSATISFACTORY BY LANDSCAPE ARCHITECT SHALL BE REPLACED AT NO ADDITIONAL CHARGE BY THE LANDSCAPE CONTRACTOR.
- THE LANDSCAPE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES THAT MAY BE REQUIRED FOR HIS PORTION OF WORK INCLUDING BUT NOT LIMITED TO PLANT MATERIAL, PLANTING MIX, HARDWOOD BARK MULCH, TREE STAKING, TRAFFIC CONTROL, ETC.
- PEAT MOSS TO BE USED ON PROJECT SHALL BE A DOMESTIC OR IMPORTED MATERIAL. CHOCOLATE BROWN IN COLOR AND COMPOSED OF PARTIALLY DECOMPOSED VEGETABLE MATERIAL. PEAT MOSS TO ALSO BE MILDLY ACIDIC IN CHARACTER AND SHALL MEET APPROVAL OF LANDSCAPE ARCHITECT.
- IT IS RESPONSIBILITY OF CONTRACTOR TO COORDINATE WITH ALL UTILITIES AND CONFIRM LOCATIONS PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL INCLUDING WARNING SIGNAGE.
- IT IS RESPONSIBILITY OF CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL INCLUDING WARNING SIGNAGE "LEFT LANE" OR "RIGHT LANE CLOSED AHEAD" AND PLACEMENT OF CONES OR BARRELS TO CLOSE THE LANE CLOSEST TO THE INSTALLATION WORK. CONTRACTOR SHALL COORDINATE AND PROVIDE A MINIMUM OF 3 DAY NOTICE TO THE CITY OF BLOOMINGTON ENGINEERING DEPT. AND SHALL COORDINATE ALL WORK WITHIN WALNUT ST. RIGHT-OF-WAY WITH CITY STAFF INCLUDING PARKS DEPARTMENT AND ENGINEERING DEPARTMENTS, ETC.



TREE PLANTING DETAIL

NO SCALE



PERENNIAL PLANTINGS

NO SCALE



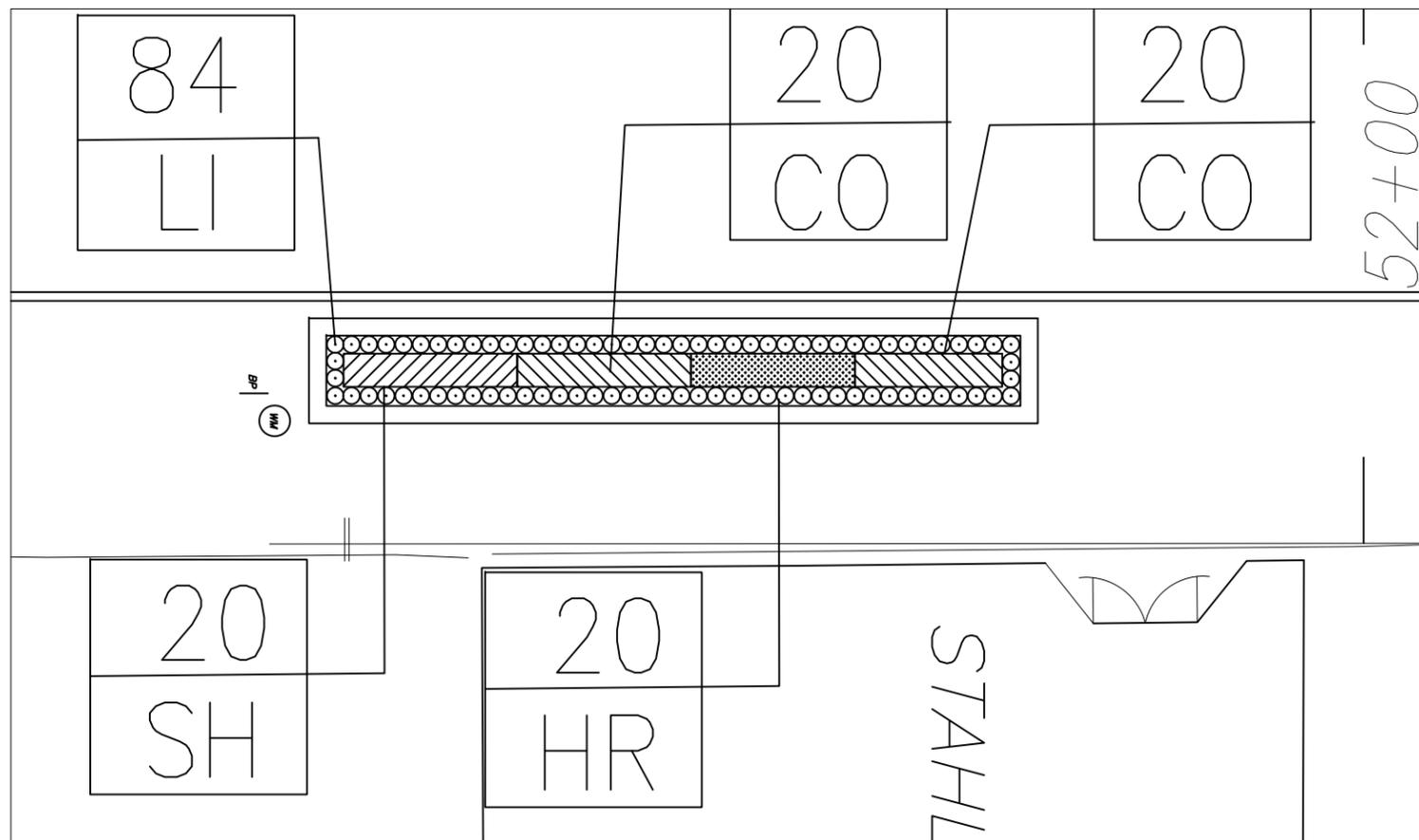
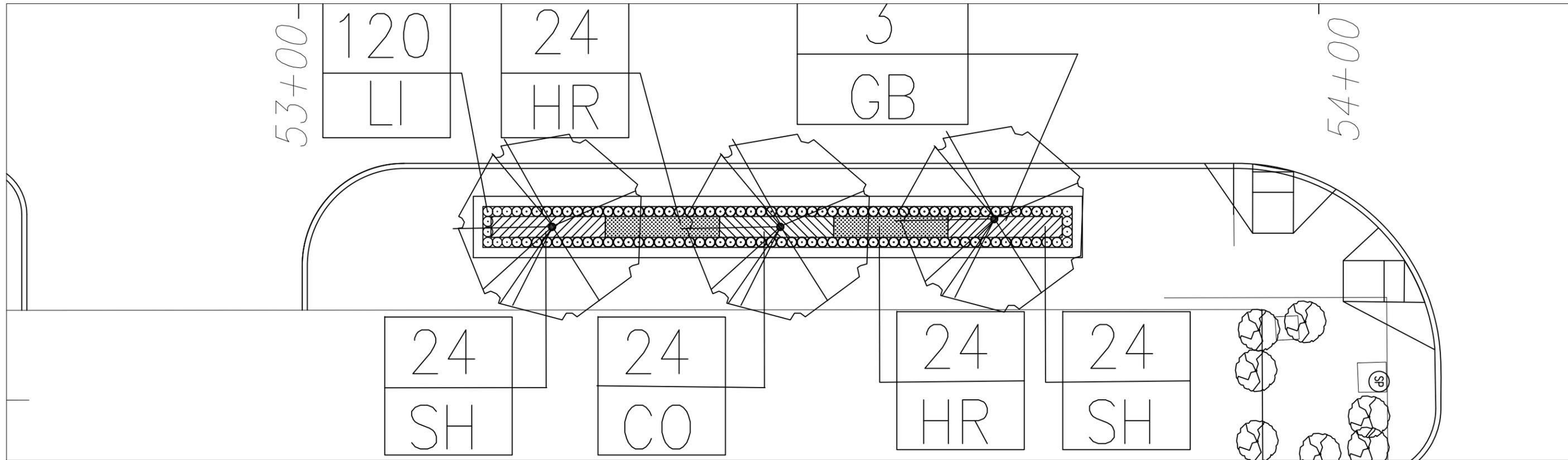
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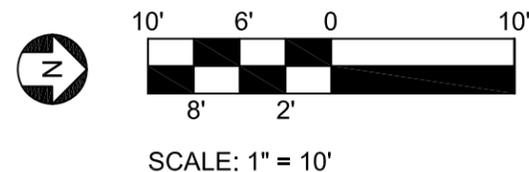
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CITY OF BLOOMINGTON: WALNUT STREET LANDSCAPE PROJECT		SHEET 4 OF 11
Enlargement Landscape Plan for Limestone Planter Boxes & Details		
BLOOMINGTON PARKS & RECREATION DEPARTMENT 401 N. MORTON ST, #250 BLOOMINGTON, IN 47304-3700	CORNERSTONE PLANNING & DESIGN, INC. FISHERS, IN PHONE: 317-849-0600	DATE: 3/15/13 REV:

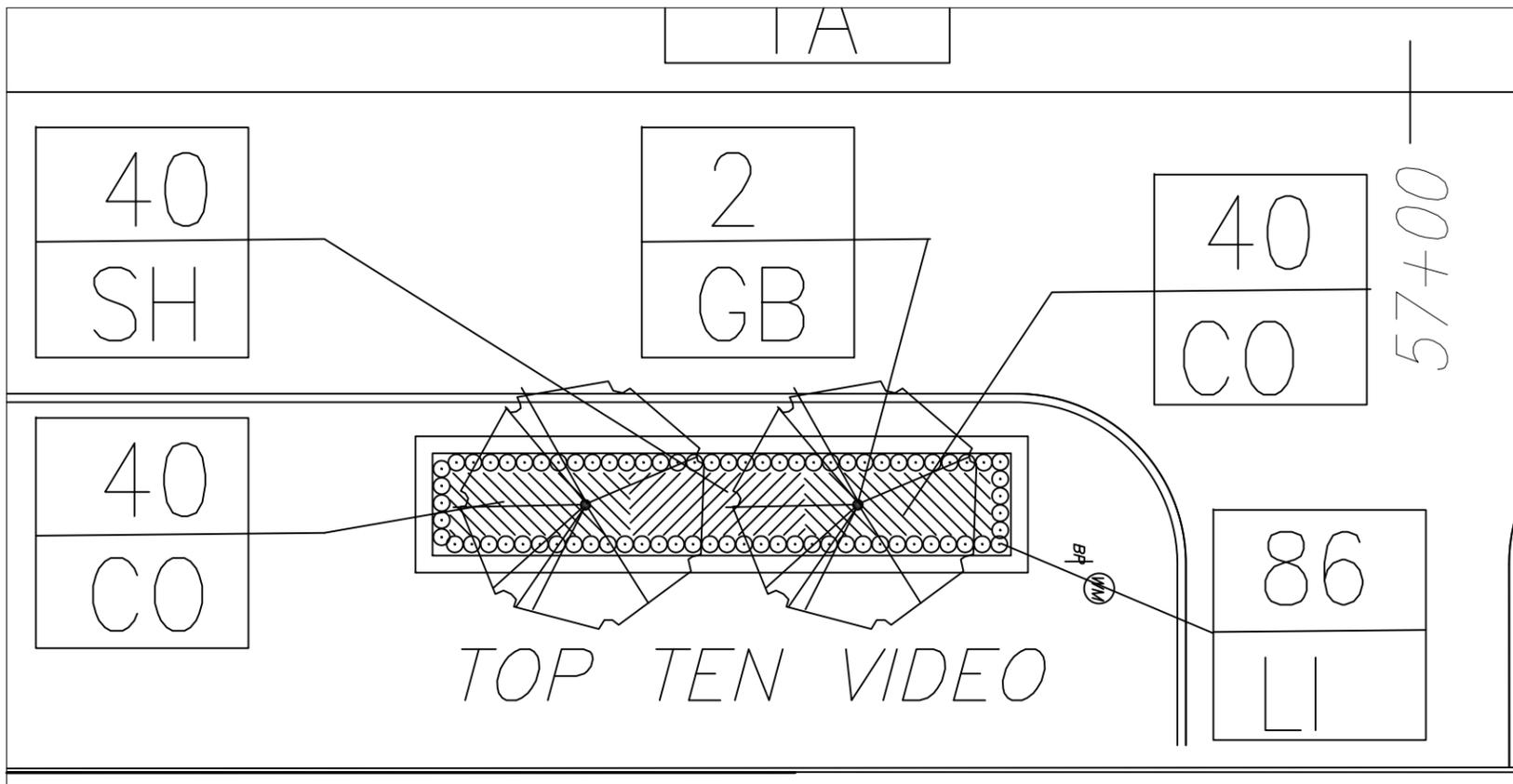
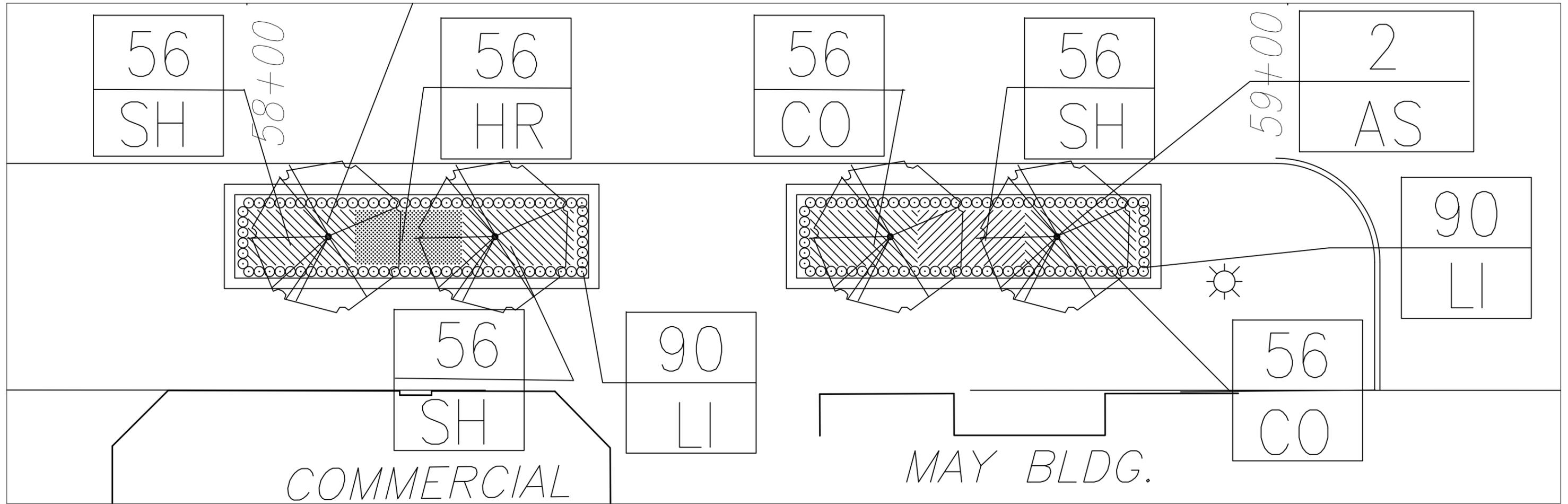


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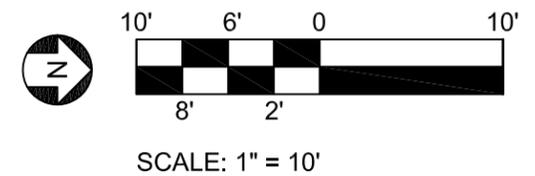


CITY OF BLOOMINGTON: WALNUT STREET LANDSCAPE PROJECT		SHEET 5 OF 11
Enlargement Landscape Plan for Limestone Planter Boxes		
BLOOMINGTON PARKS & RECREATION DEPARTMENT 401 N. MORTON ST, #250 BLOOMINGTON, IN 812-349-3700	CORNERSTONE PLANNING & DESIGN, INC. FISHERS, IN PHONE: 317-849-0600	DATE: 3/15/13 REV:



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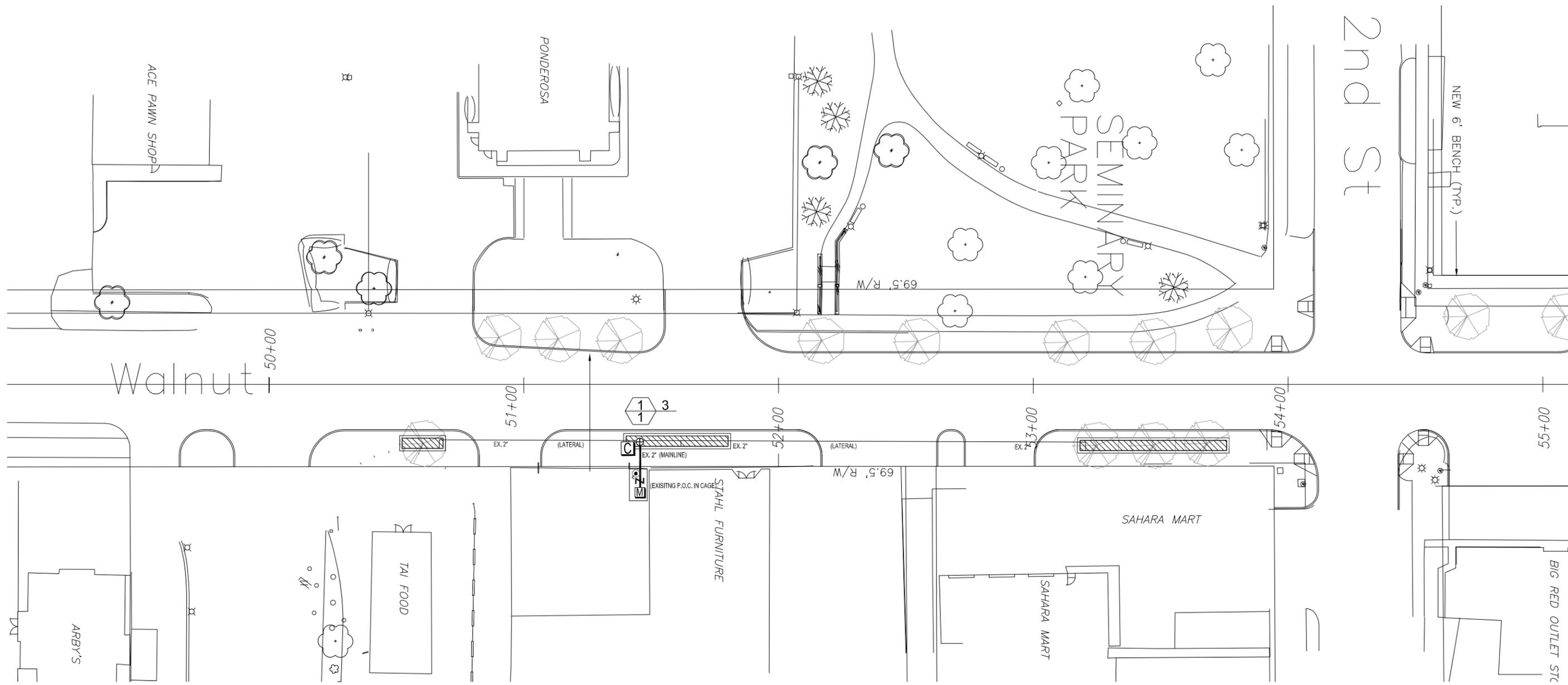
Enlargement Landscape Plans for Limestone Planter Boxes

BLOOMINGTON PARKS & RECREATION DEPARTMENT
401 N. MORTON ST, #250 BLOOMINGTON, IN 47203-3700

CORNERSTONE PLANNING & DESIGN, INC.
FISHERS, IN PHONE: 317-849-0600

DATE: 3/15/13
REV:

SHEET
6
OF
11



GENERAL IRRIGATION NOTES:

1. This irrigation design is diagrammatic. Actual layout of piping, sprinkler heads, valves, controllers and related equipment shall be determined on site. Minor field adjustments shall be made at no additional cost to the Owner.
2. It is the responsibility of the irrigation contractor to be familiar with all grades difference, locations of walls, structures and utilities and make the necessary adjustments to accommodate the irrigation system as designed. Do not willfully install the irrigation system as shown on the drawings when it is obvious in the field that unknown obstructions, grades or dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the Owner's authorized representative. In the event that this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions and cost necessary.
3. The irrigation system design is based on running irrigation zones at a minimum operating pressure of 40psi @ the p.o.c. and a maximum flow demand of 6 gpm. The irrigation contractor shall verify water pressures prior to construction. Report differences between requirements and actual readings to the Owner's authorized representative.

LEGEND

DESCRIPTION	APPROVED MANUFACTURERS
Controller	Tucor DDC-WP Series Battery Operated
Backflow Preventer	EXISTING 1.5" PVB
Meter	EXISTING 1" Meter
Quick Couple Valve	Rain Bird 5RC
Drip Remote Control Valves	Rain Bird XCZ-100-PRF (LF as required)
Dripline	Rain Bird XFD-06-18
1" EXISTING Lateral Pipe	
2" EXISTING Lateral Pipe	
2" EXISTING Mainline Pipe	

Irrigation Design Source
116 SHADOWLAWN DRIVE
FISHERS, IN 46038
(317) 585-0167
www.irrigationdesignsource.com

OF ZONE

GPM

VALVE SIZE

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www.automaticirrigation.com

CITY OF BLOOMINGTON: WALNUT STREET LANDSCAPE PROJECT

Irrigation Plan

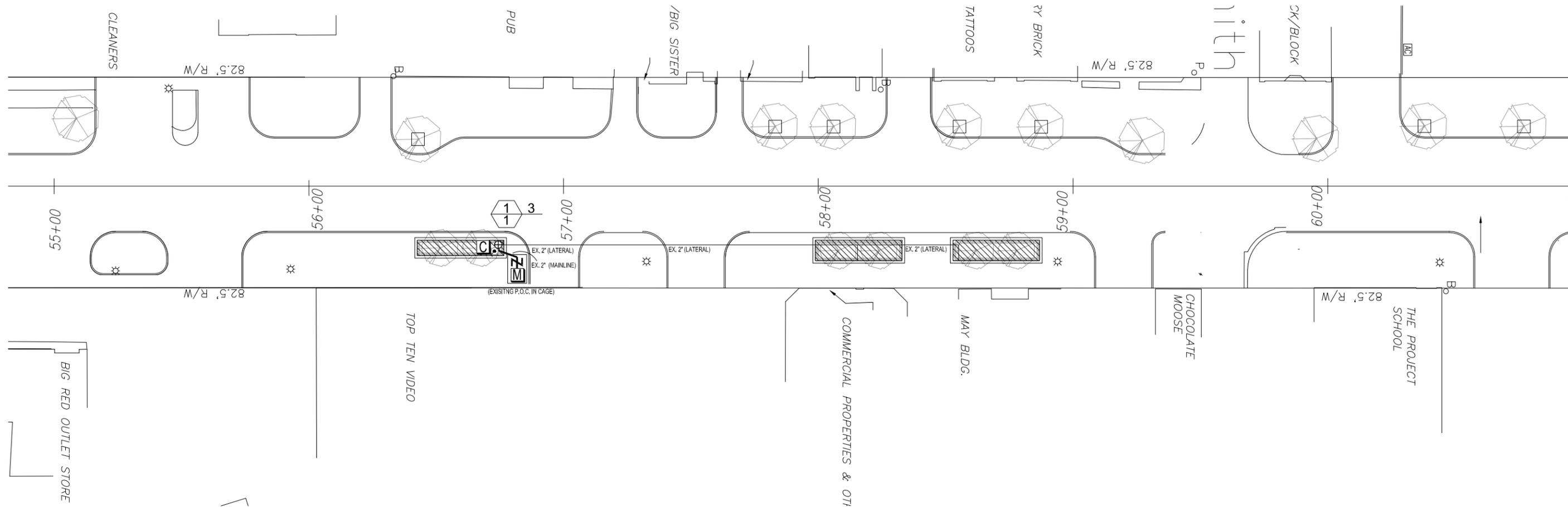
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CORNERSTONE PLANNING & DESIGN, INC.
FISHERS, IN PHONE: 317-849-0600

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REV:

SHEET
7
OF
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Drip Remote Control Valves	Rain Bird XCZ-100-PRF (LF as required)
Dripline	Rain Bird XFD-06-18
1" EXISTING Lateral Pipe	
2" EXISTING Lateral Pipe	
2" EXISTING Mainline Pipe	



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MEMBER
THE IRRIGATION ASSOCIATION



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CITY OF BLOOMINGTON: WALNUT STREET LANDSCAPE PROJECT

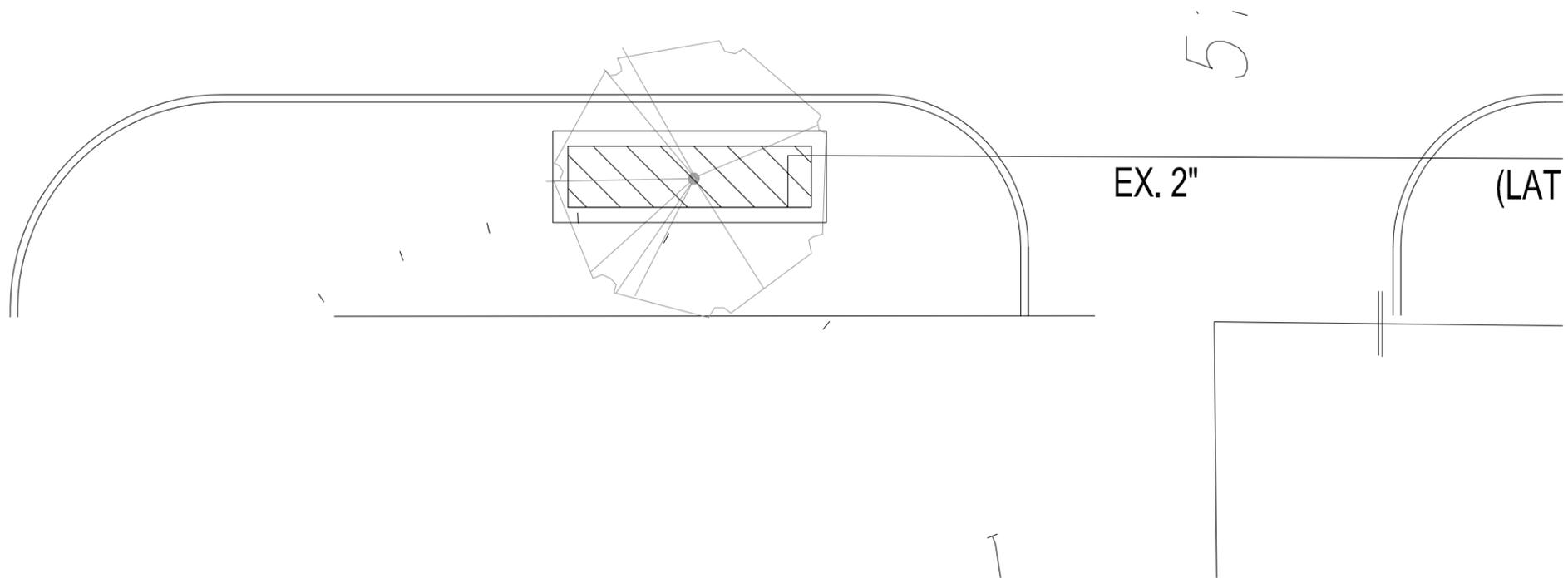
Irrigation Plan

BLOOMINGTON PARKS & RECREATION DEPARTMENT
401 N. MORTON ST, #250 BLOOMINGTON, IN 812-349-3700

CORNERSTONE PLANNING & DESIGN, INC.
FISHERS, IN PHONE: 317-849-0600

DATE: 3/15/13
REV:

SHEET
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OF
11



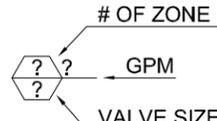
LEGEND

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Backflow Preventer	EXISTING 1.5" PVB
Meter	EXISTING 1" Meter
Quick Couple Valve	Rain Bird 5RC
Drip Remote Control Valves	Rain Bird XCZ-100-PRF (LF as required)
Dripline	Rain Bird XFD-06-18
— 1" EXISTING Lateral Pipe	
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OF ZONE
GPM
VALVE SIZE

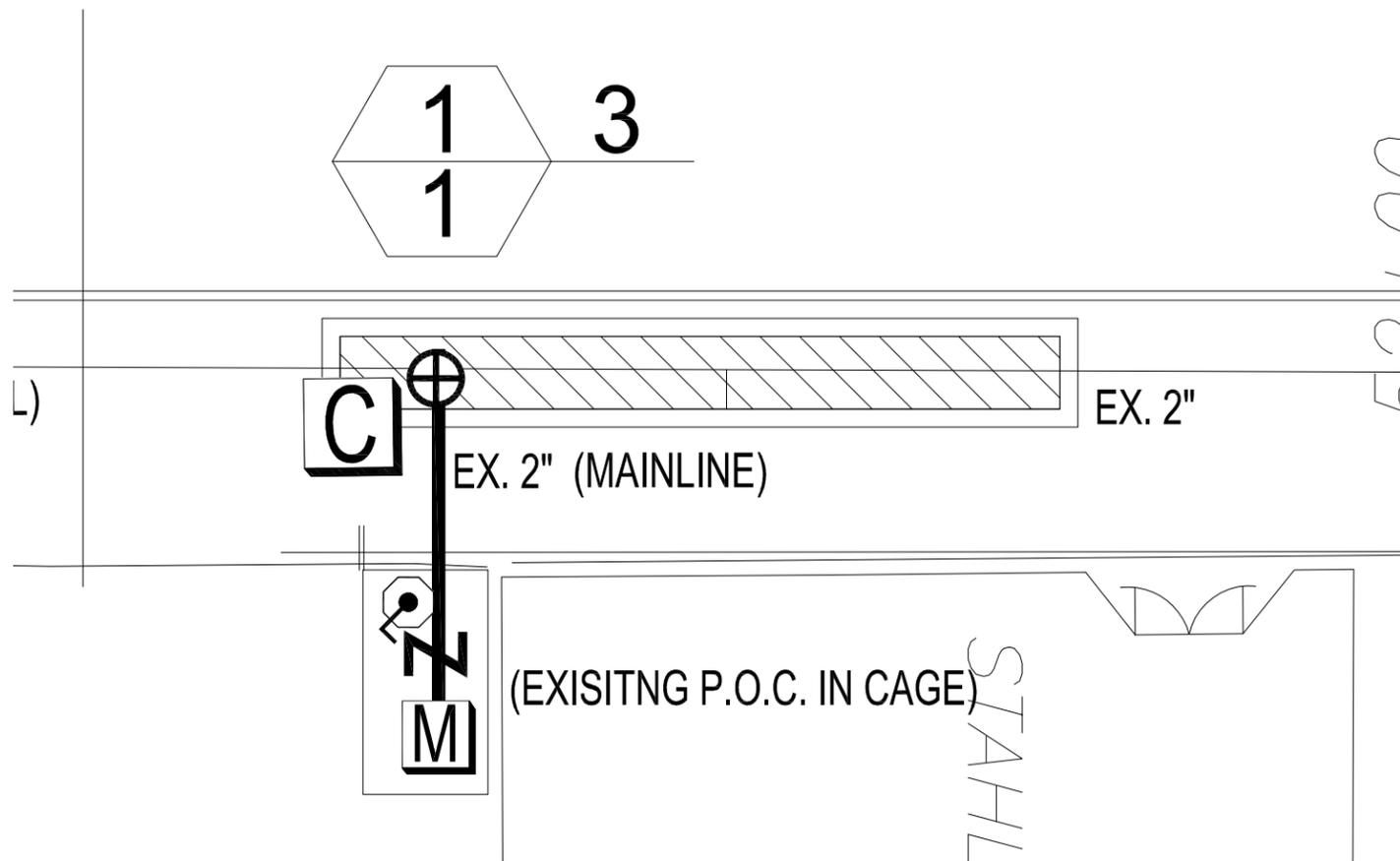
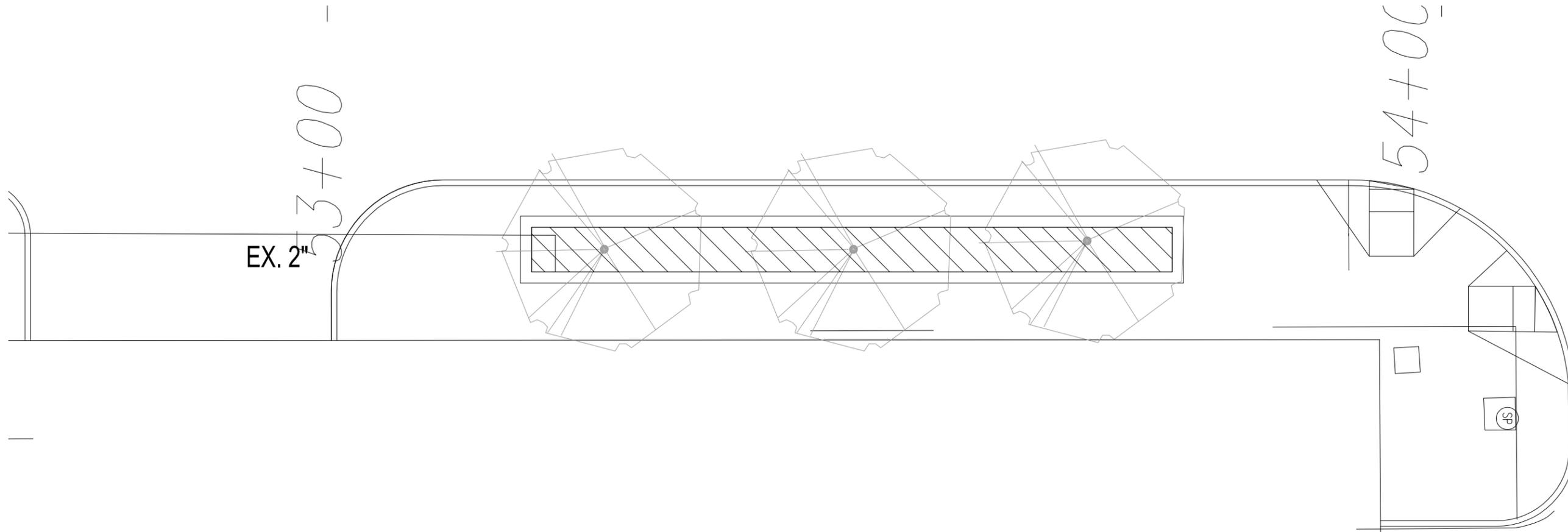




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CITY OF BLOOMINGTON: WALNUT STREET LANDSCAPE PROJECT		SHEET
Irrigation Plan		9
BLOOMINGTON PARKS & RECREATION DEPARTMENT 401 N. MORTON ST, #250 BLOOMINGTON, IN 812-349-3700		OF
CORNERSTONE PLANNING & DESIGN, INC. FISHERS, IN PHONE: 317-849-0600		11
DATE: 3/15/13 REV:		



LEGEND

DESCRIPTION	APPROVED MANUFACTURERS
Controller	Tucor DDC-WP Series Battery Operated
Backflow Preventer	EXISTING 1.5" PVB
Meter	EXISTING 1" Meter
Quick Couple Valve	Rain Bird 5RC
Drip Remote Control Valves	Rain Bird XCZ-100-PRF (LF as required)
Dripline	Rain Bird XFD-06-18
— 1" EXISTING Lateral Pipe	
— 2" EXISTING Lateral Pipe	
— 2" EXISTING Mainline Pipe	

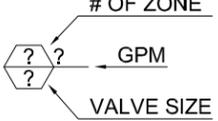


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OF ZONE

GPM

VALVE SIZE





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Irrigation Plan

BLOOMINGTON PARKS & RECREATION DEPARTMENT
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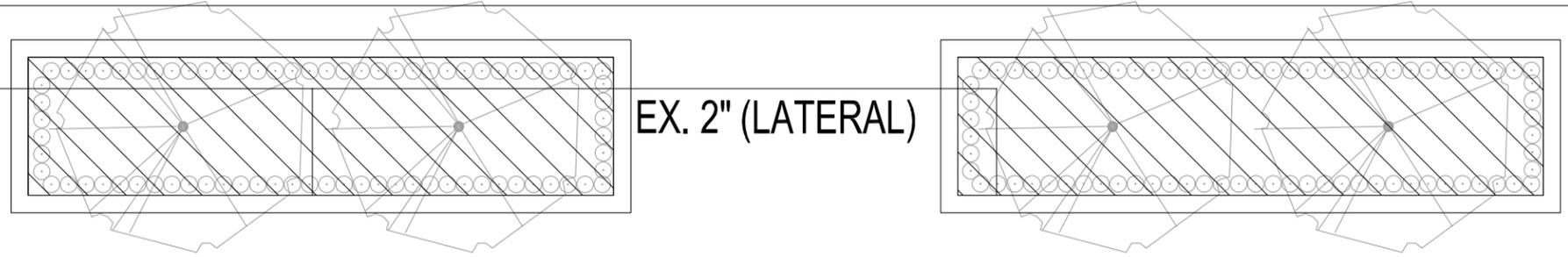
CORNERSTONE PLANNING & DESIGN, INC.
FISHERS, IN PHONE: 317-849-0600

DATE: 3/15/13
REV:

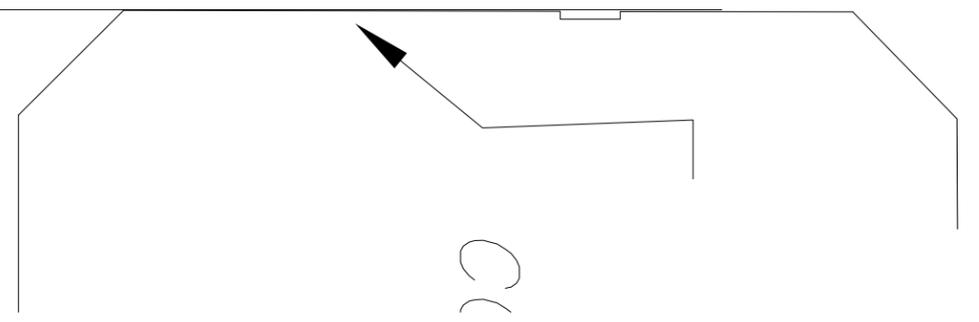
SHEET
10
OF
11

58+1

59+0

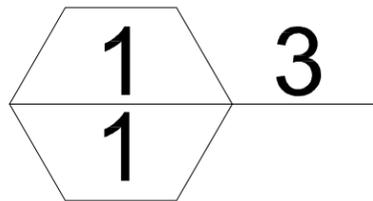


EX. 2" (LATERAL)

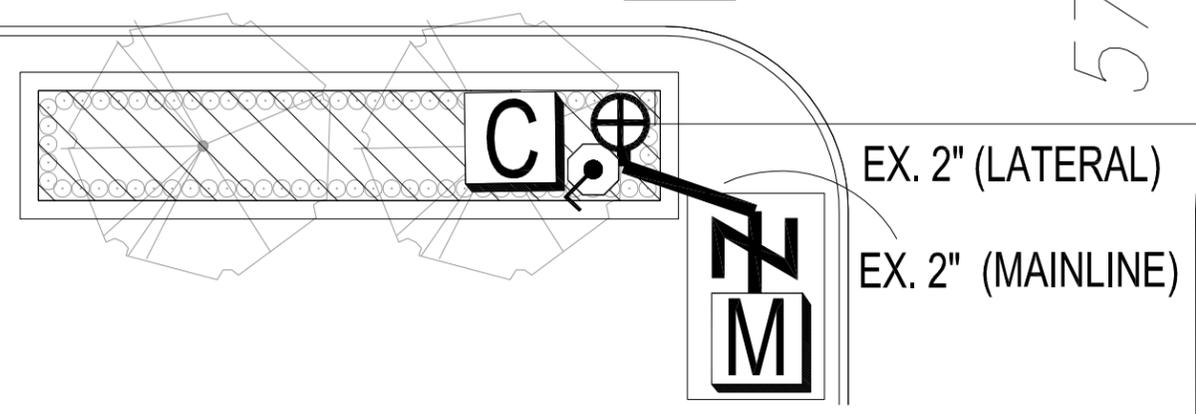


CI

MM



57+00



EX. 2" (LATERAL)

EX. 2" (MAINLINE)

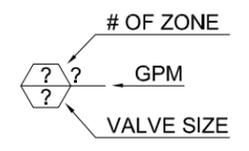
(EXISTING DOG IN PLACE)

LEGEND

DESCRIPTION	APPROVED MANUFACTURERS
Controller	Tucor DDC-WP Series Battery Operated
Backflow Preventer	EXISTING 1.5" PVB
Meter	EXISTING 1" Meter
Quick Couple Valve	Rain Bird 5RC
Drip Remote Control Valves	Rain Bird XCZ-100-PRF (LF as required)
Dripline	Rain Bird XFD-06-18
1" EXISTING Lateral Pipe	
2" EXISTING Lateral Pipe	
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SHEET
11
OF
11