

CONSTRUCTION MANAGEMENT PLANS FOR 28 AUSTIN STREET NEWTON, MA



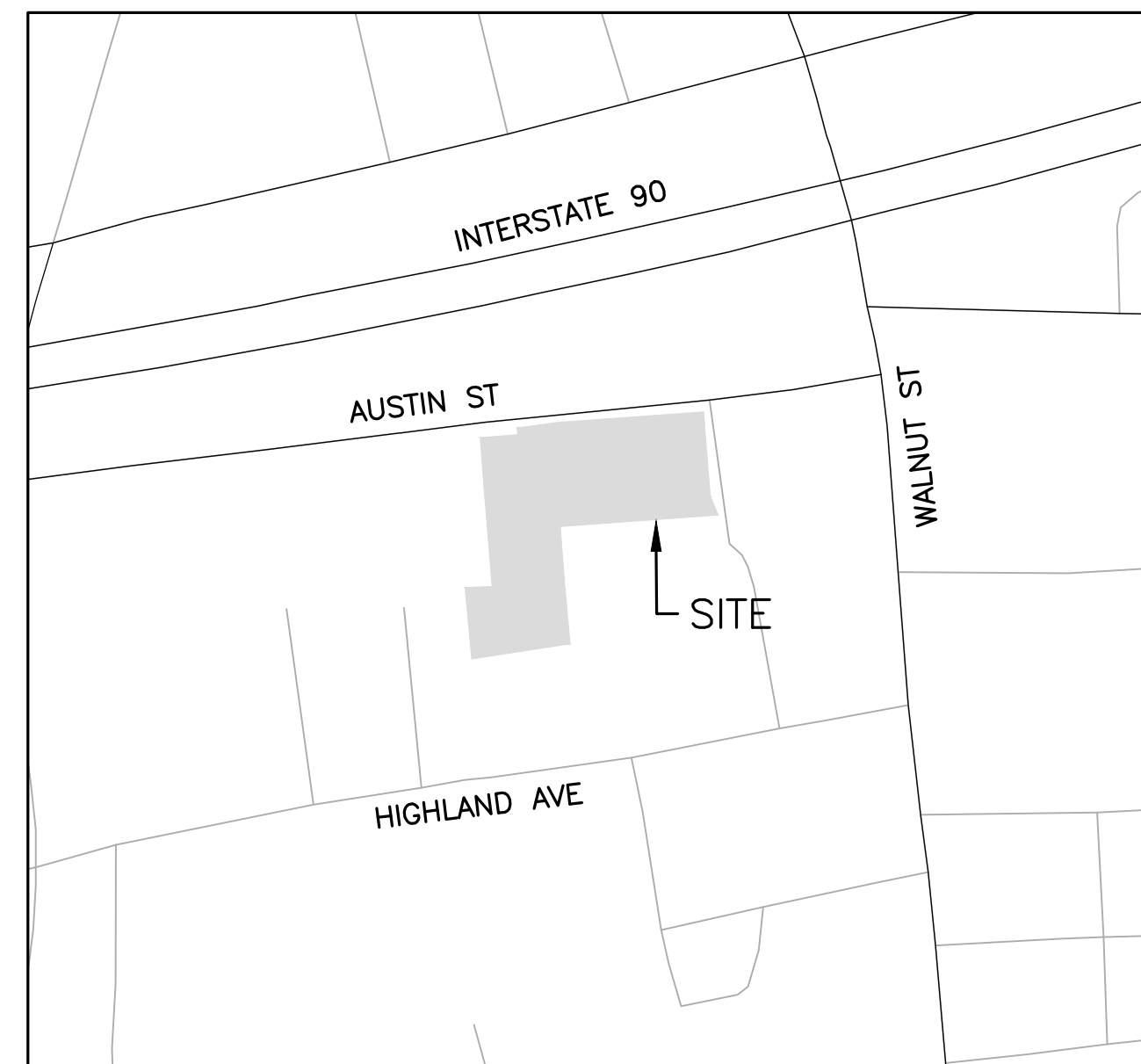
HOWARD STEIN HUDSON
11 Beacon Street, Suite 1010
Boston, MA 02108
www.hshassoc.com

PREPARED FOR:

CITY OF NEWTON

28 AUSTIN STREET
NEWTON, MA

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LOCUS MAP
1"=200'

REVISIONS:

NO	BY	DATE	DESCRIPTION

ISSUED FOR
CONSTRUCTION

CONSTRUCTION
MANAGEMENT PLAN

COVER

DATE: JAN 3, 2018

PROJECT NUMBER: 2017244

DESIGNED BY: B. ZIMOLKA

DRAWN BY: B. ZIMOLKA

CHECKED BY: R. BURGESS

CMP-001

SHEET 1 OF 19

ALL WORK SHALL CONFORM TO THESE PLANS, THE CITY OF NEWTON STANDARDS AND SPECIFICATIONS, THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 1995, THE SUPPLEMENTAL SPECIFICATIONS DATED NOVEMBER 8, 2000, THE 1996 CONSTRUCTION AND TRAFFIC STANDARDS, THE SUPPLEMENTAL DRAWINGS DATED OCTOBER 25, 2000, THE OCTOBER 1997 MASSHIGHWAY WHEELCHAIR RAMP STANDARDS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, 2003 EDITION, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, AND ALL INTERIM REVISIONS PUBLISHED BY AASHTO. WHERE CONFLICTS EXIST, THE CITY OF NEWTON STANDARDS AND SPECIFICATIONS SHALL GOVERN.



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CONSTRUCTION
 MANAGEMENT PLAN

TEMPORARY TRAFFIC
 CONTROL DEVICES

DATE: JAN 3, 2018

PROJECT NUMBER: 2017244

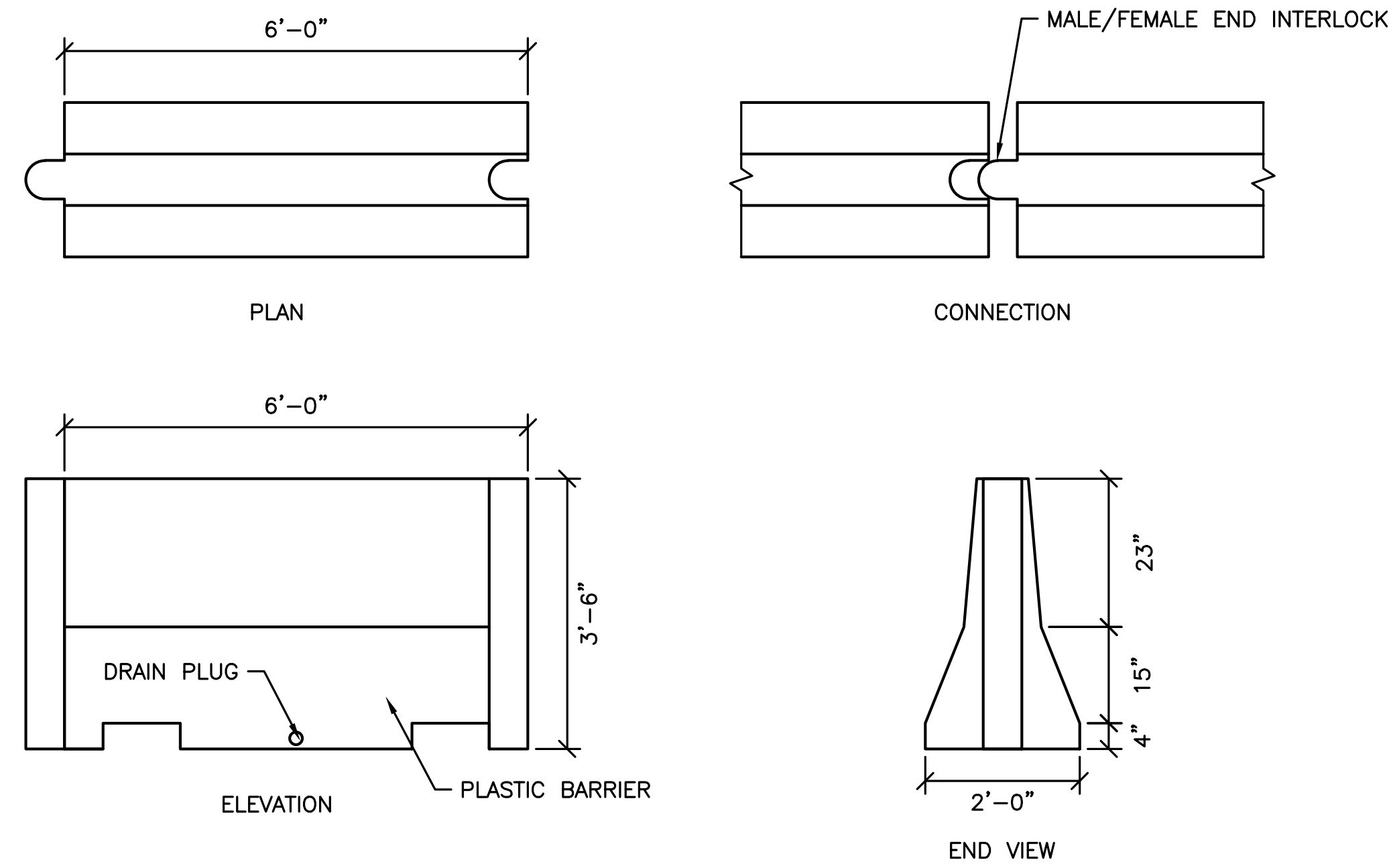
DESIGNED BY: B. ZIMOLKA

DRAWN BY: B. ZIMOLKA

CHECKED BY: R. BURGESS

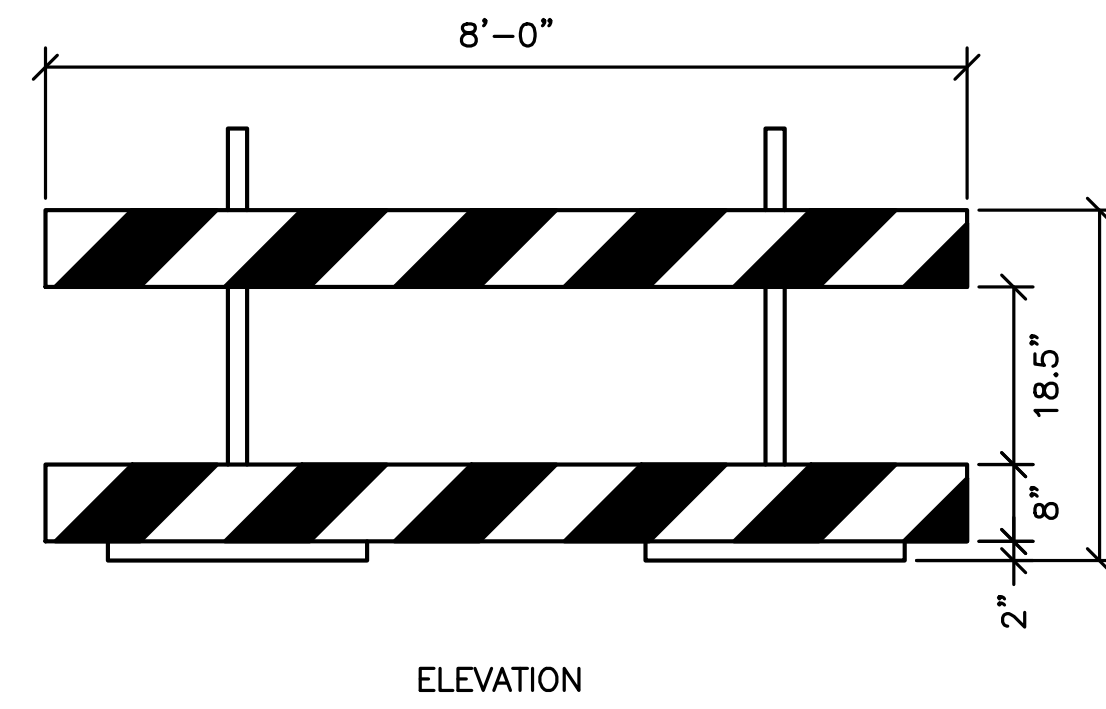
CMP-003

SHEET 3 OF 19

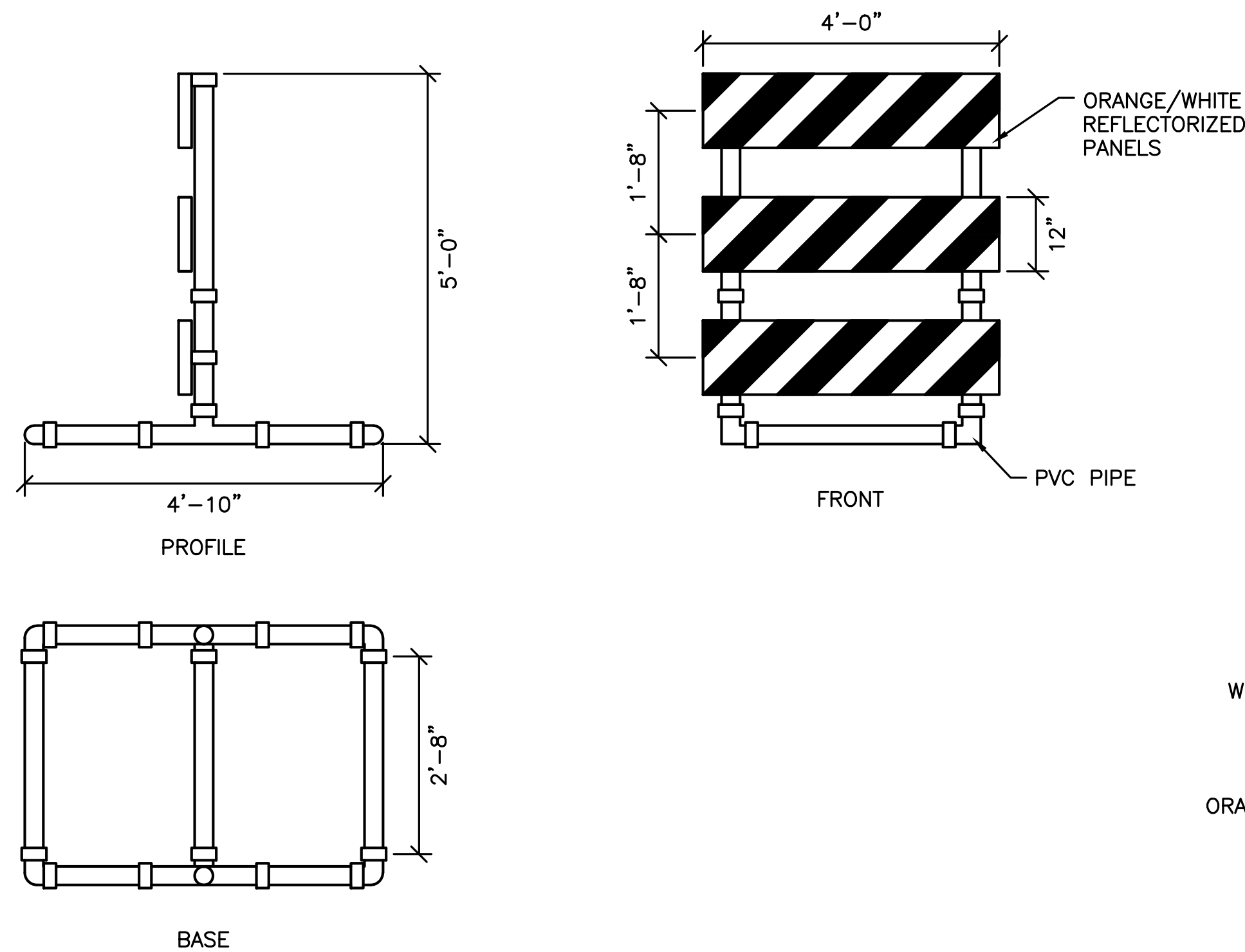


NOTE:
 NON-TOXIC ANTI-FREEZE SHALL BE USED TO PREVENT FREEZING.

WATER-FILLED TEMPORARY BARRIER

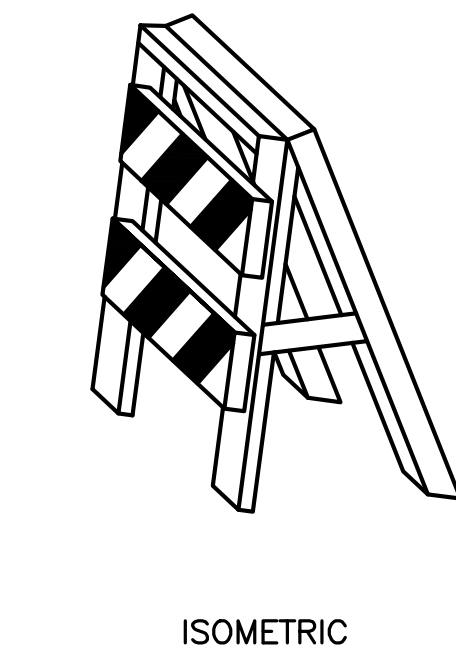
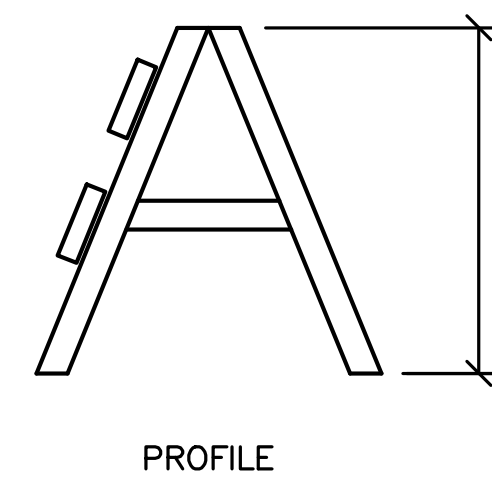


PEDESTRIAN MANAGEMENT GUIDANCE SYSTEM

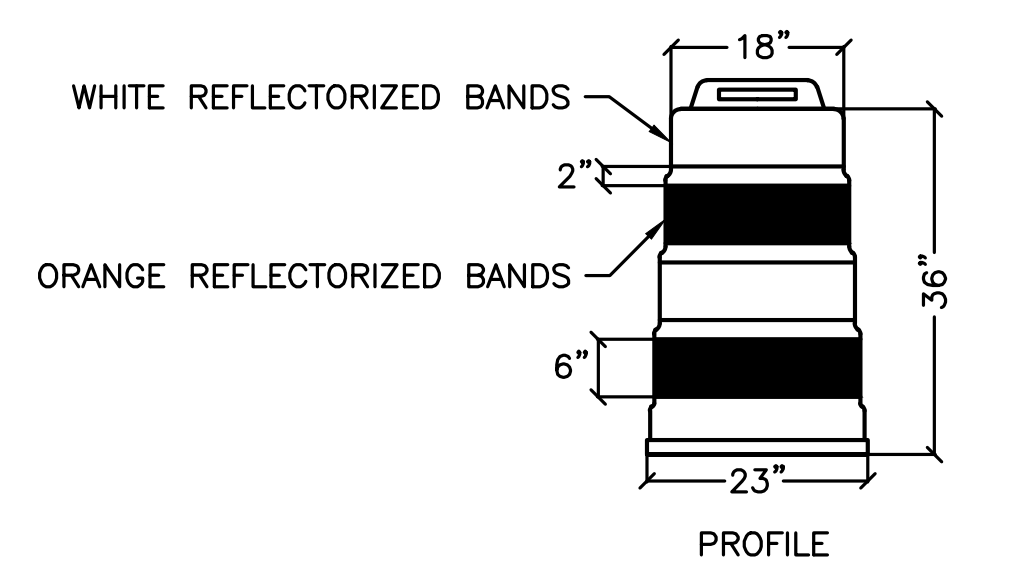


TYPE III BARRICADE

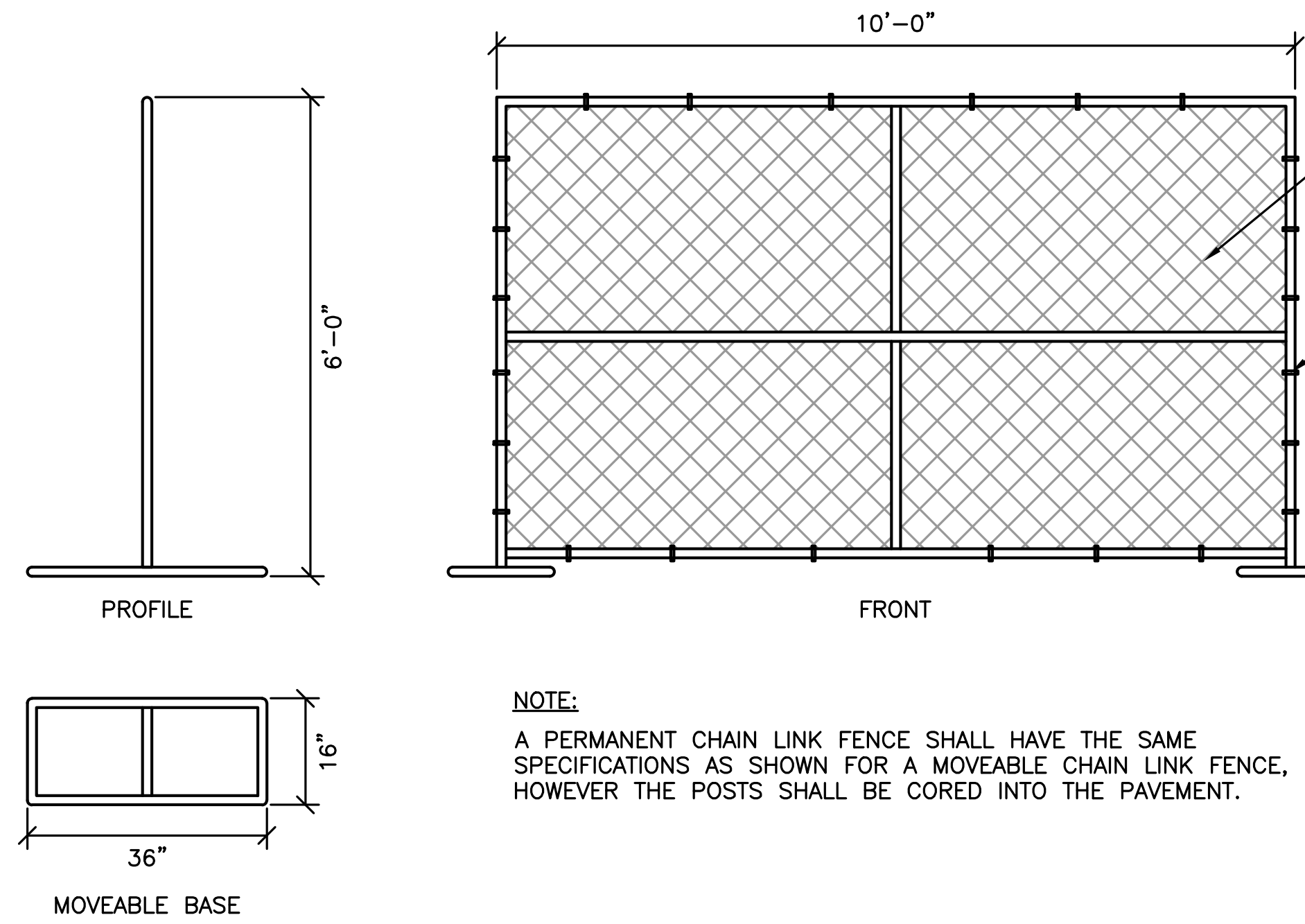
TYPE III BARRICADES SHALL MEET MUTCD REQUIREMENTS (CURRENT EDITION)



TYPE II BARRICADE

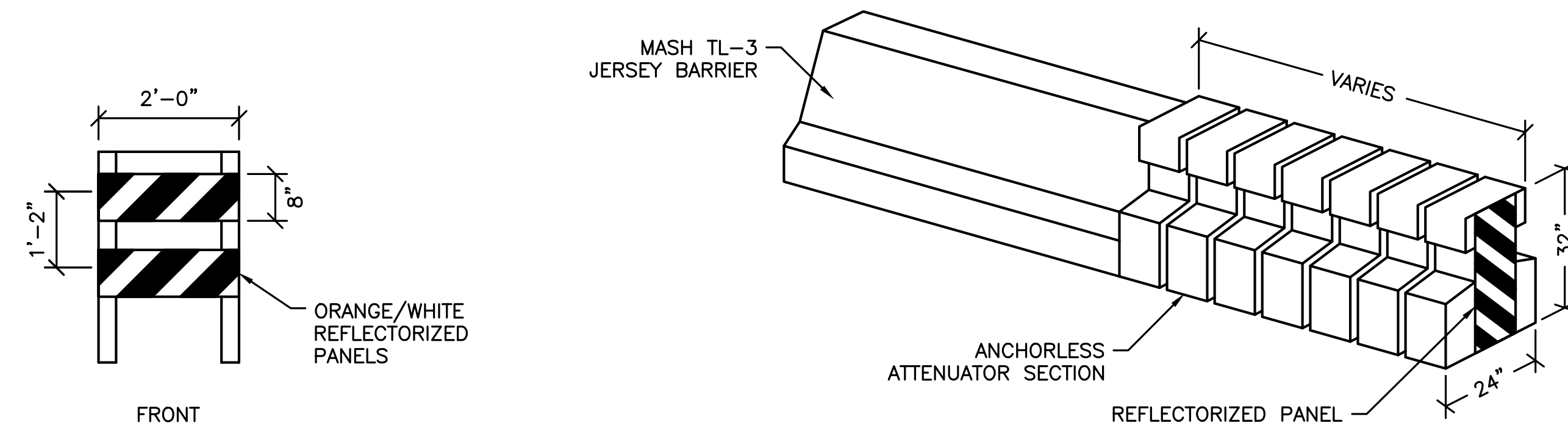


REFLECTORIZED DRUM

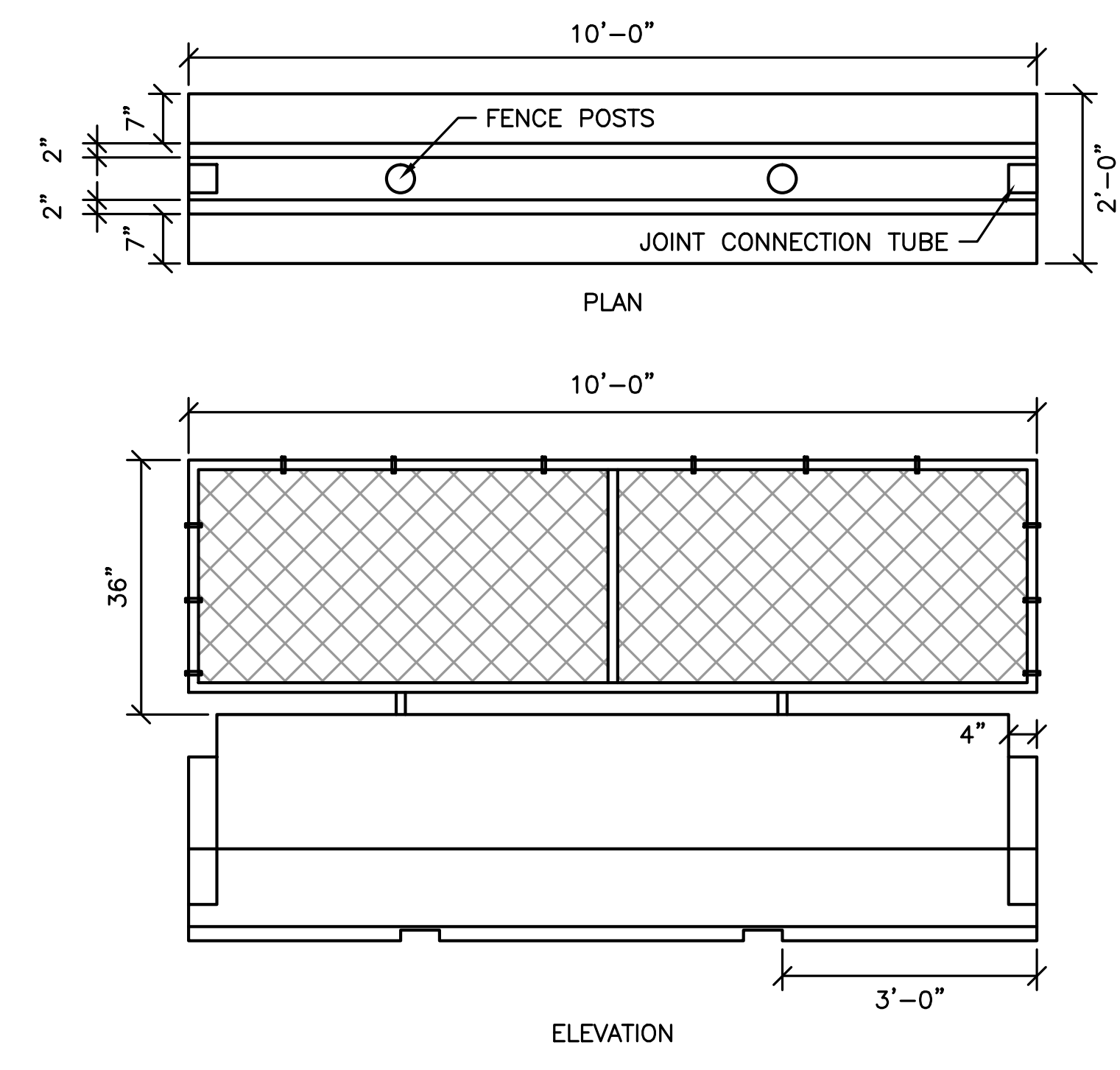


NOTE:
 A PERMANENT CHAIN LINK FENCE SHALL HAVE THE SAME SPECIFICATIONS AS SHOWN FOR A MOVEABLE CHAIN LINK FENCE, HOWEVER THE POSTS SHALL BE CORED INTO THE PAVEMENT.

MOVEABLE CHAIN LINK FENCE



WATER-FILLED CRASH CUSHION ATTENUATOR
 (MASH TL-3 CERTIFIED)
 NOT TO SCALE



36" CHAIN LINK FENCE ON PORTABLE PRECAST CONCRETE BARRIER

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28 AUSTIN STREET
 NEWTON, MA

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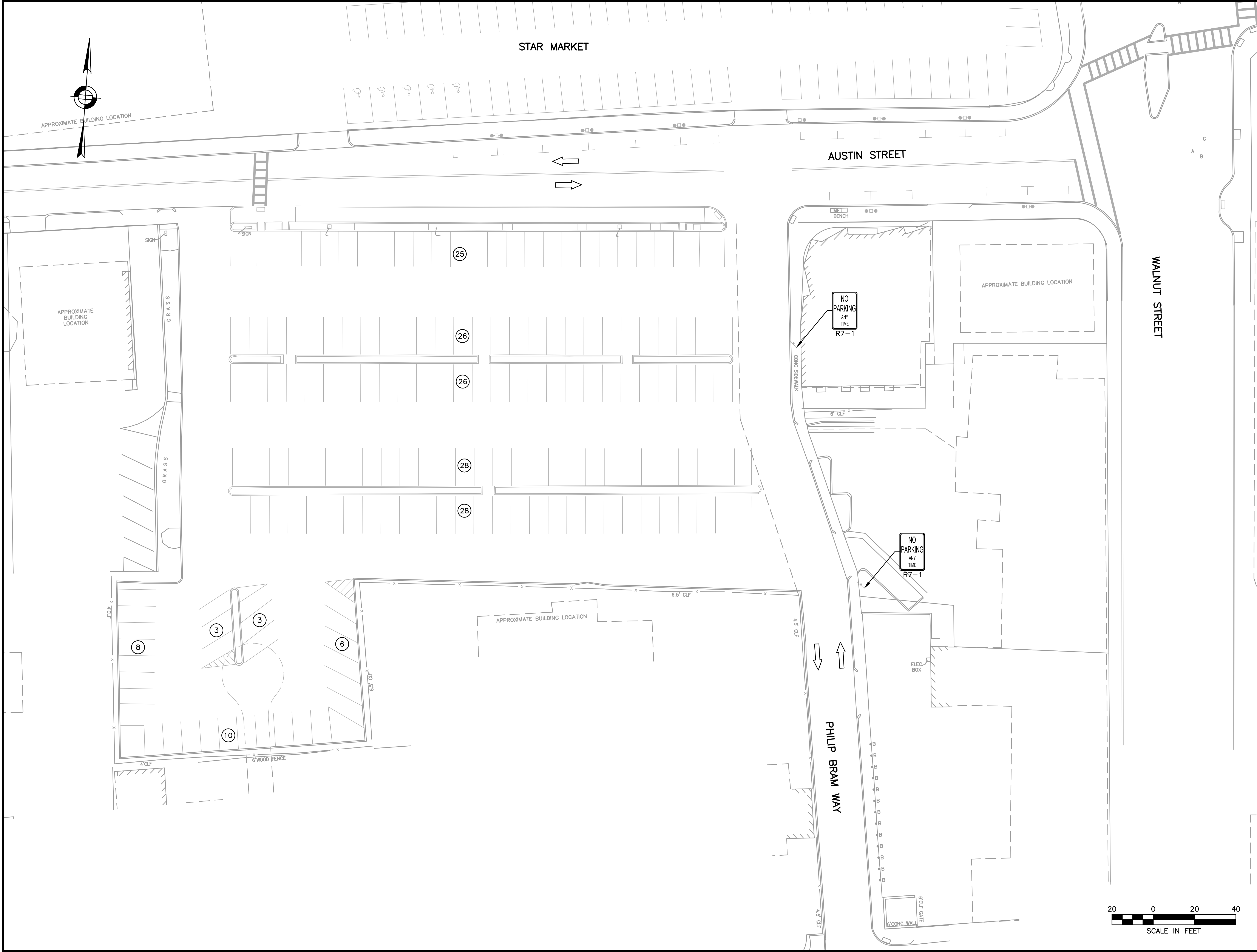
NO	BY	DATE	DESCRIPTION

ISSUED FOR CONSTRUCTION

CONSTRUCTION MANAGEMENT PLAN

EXISTING CONDITIONS

DATE:	JAN 3, 2018
PROJECT NUMBER:	2017244
DESIGNED BY:	B. ZIMOLKA
DRAWN BY:	B. ZIMOLKA
CHECKED BY:	R. BURGESS



2/5/2015 L:\17244\CMP\CUTSHEETS\SE-existing.dwg
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REVISIONS:

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 CONSTRUCTION

CONSTRUCTION
 MANAGEMENT PLAN

MOBILIZATION,
 STORMWATER
 MANAGEMENT, FOOTINGS
 & TREE REMOVAL

DATE: JAN 3, 2018

PROJECT NUMBER: 2017244

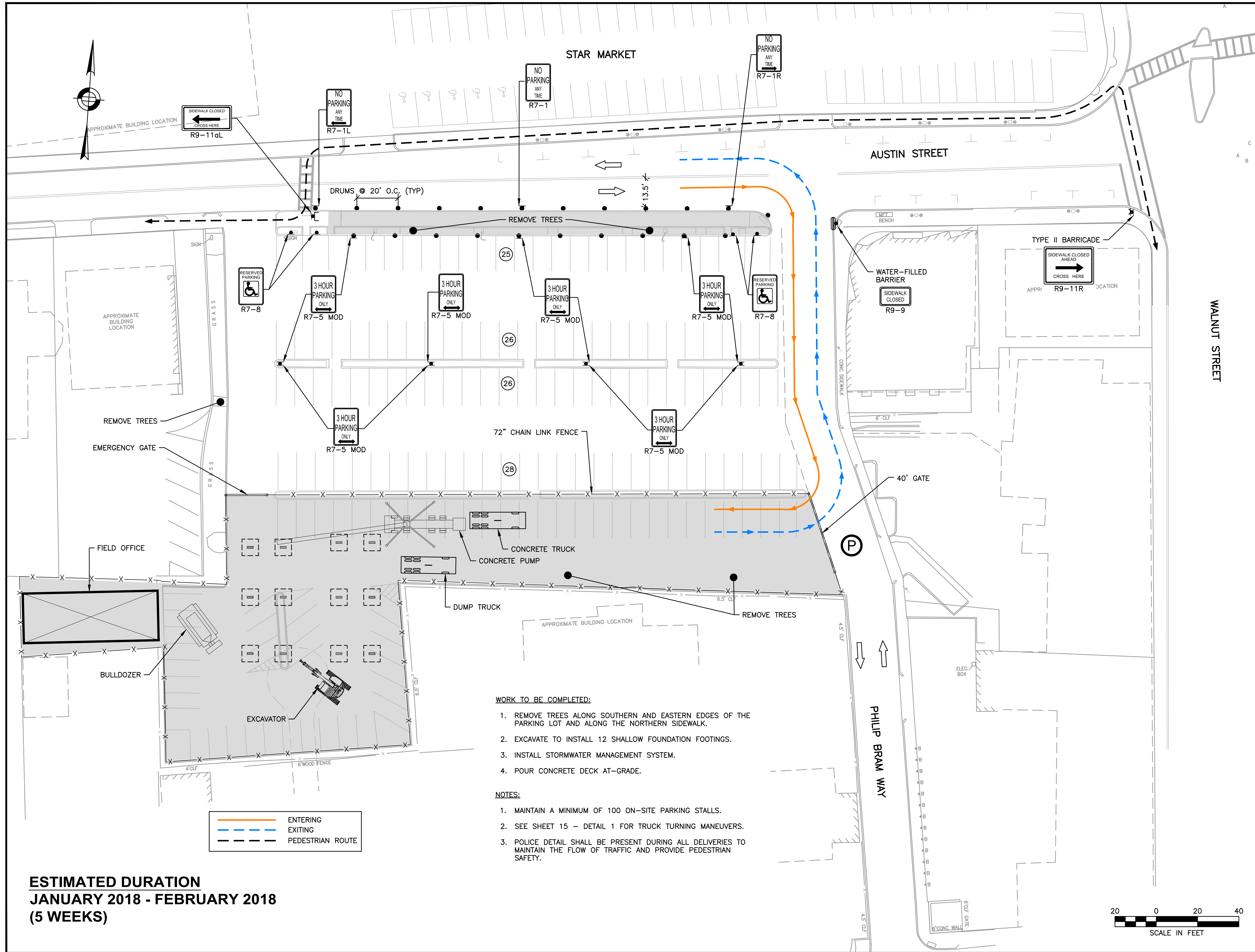
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CHECKED BY: R. BURGESS

CMP-005

SHEET 5 OF 19

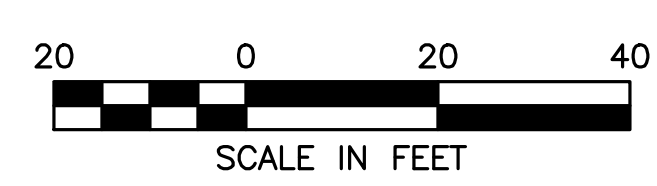


- WORK TO BE COMPLETED:**
1. REMOVE TREES ALONG SOUTHERN AND EASTERN EDGES OF THE PARKING LOT AND ALONG THE NORTHERN SIDEWALK.
 2. EXCAVATE TO INSTALL 12 SHALLOW FOUNDATION FOOTINGS.
 3. INSTALL STORMWATER MANAGEMENT SYSTEM.
 4. POUR CONCRETE DECK AT-GRADE.

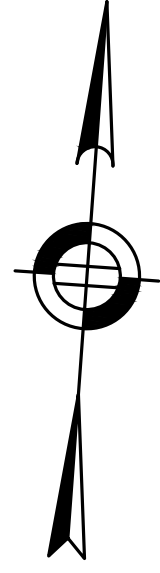
- NOTES:**
1. MAINTAIN A MINIMUM OF 100 ON-SITE PARKING STALLS.
 2. SEE SHEET 15 - DETAIL 1 FOR TRUCK TURNING MANEUVERS.
 3. POLICE DETAIL SHALL BE PRESENT DURING ALL DELIVERIES TO MAINTAIN THE FLOW OF TRAFFIC AND PROVIDE PEDESTRIAN SAFETY.



ESTIMATED DURATION
JANUARY 2018 - FEBRUARY 2018
(5 WEEKS)



2/9/2015 L:\17244\CMP\CUTSHEET\Mobilization-Spread Footings.dwg
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CONSTRUCTION MANAGEMENT PLAN

STAR MARKET PARKING LOT

DATE: JAN 3, 2018

PROJECT NUMBER: 2017244

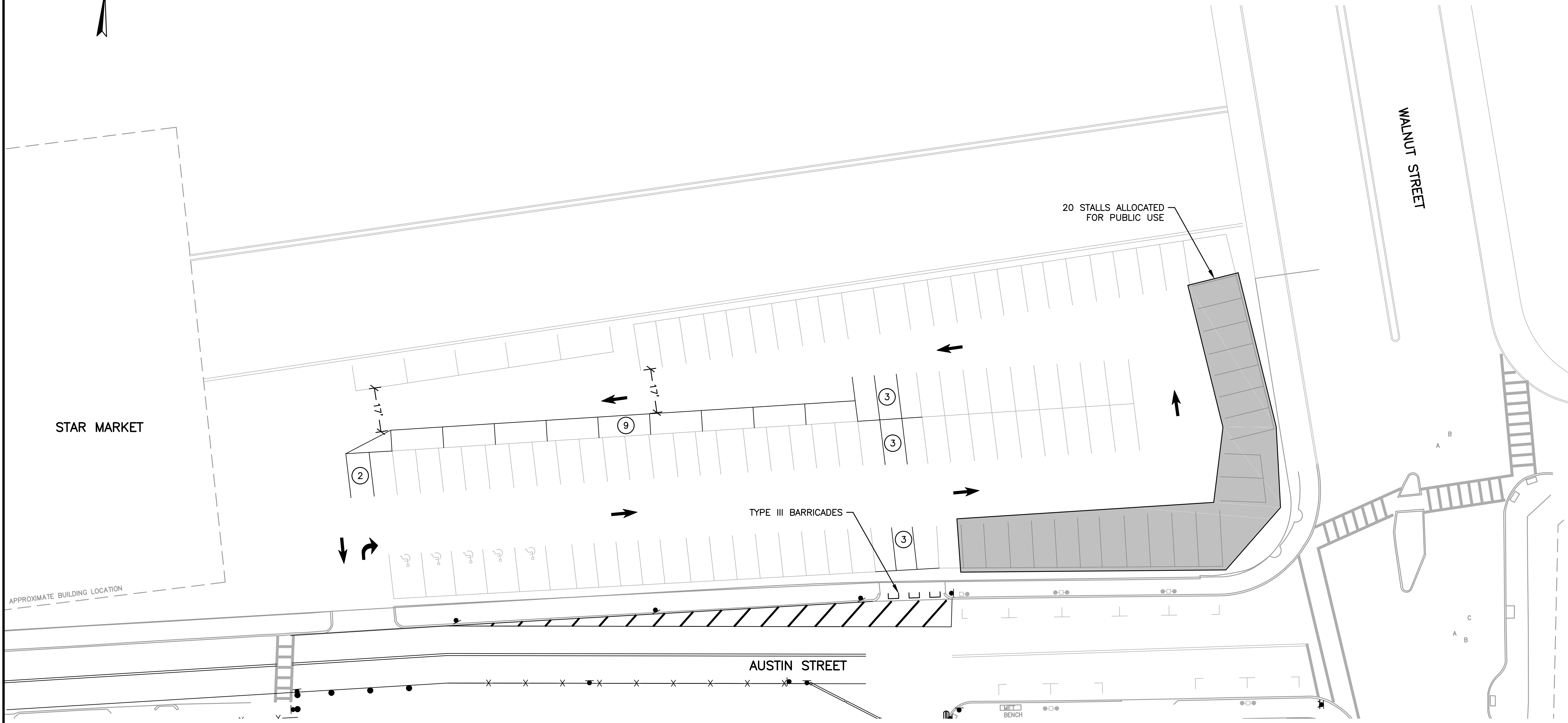
DESIGNED BY: B. ZIMOLKA

DRAWN BY: B. ZIMOLKA

CHECKED BY: R. BURGESS

CMP-006

SHEET 6 OF 19

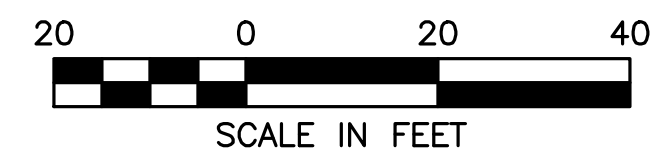


WORK TO BE COMPLETED:

1. INSTALL NEW STRIPING TO ADD 20 PARKING STALLS TO EXISTING STAR MARKET PARKING LOT.
2. CLOSE EAST ENTRANCE TO PARKING LOT AND CIRCULATE TRAFFIC ONE WAY AROUND THE PARKING LOT.

NOTES:

1. THE STAR MARKET PARKING LOT SHALL BE MODIFIED PRIOR TO THE FULL OCCUPATION OF THE PROJECT SITE.
2. 50 ON-SITE STALLS AND 20 STAR MARKET STALLS SHALL REMAIN OPEN FOR PUBLIC USE THROUGHOUT CONSTRUCTION.



2/5/2015 L:\17244\CMP\CUTS\SHEETS\Star Market Parking.dwg
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CONSTRUCTION
 MANAGEMENT PLAN

BASEMENT SUPPORT OF
 EXCAVATION AND
 EXCAVATION

DATE: JAN 3, 2018

PROJECT NUMBER: 2017244

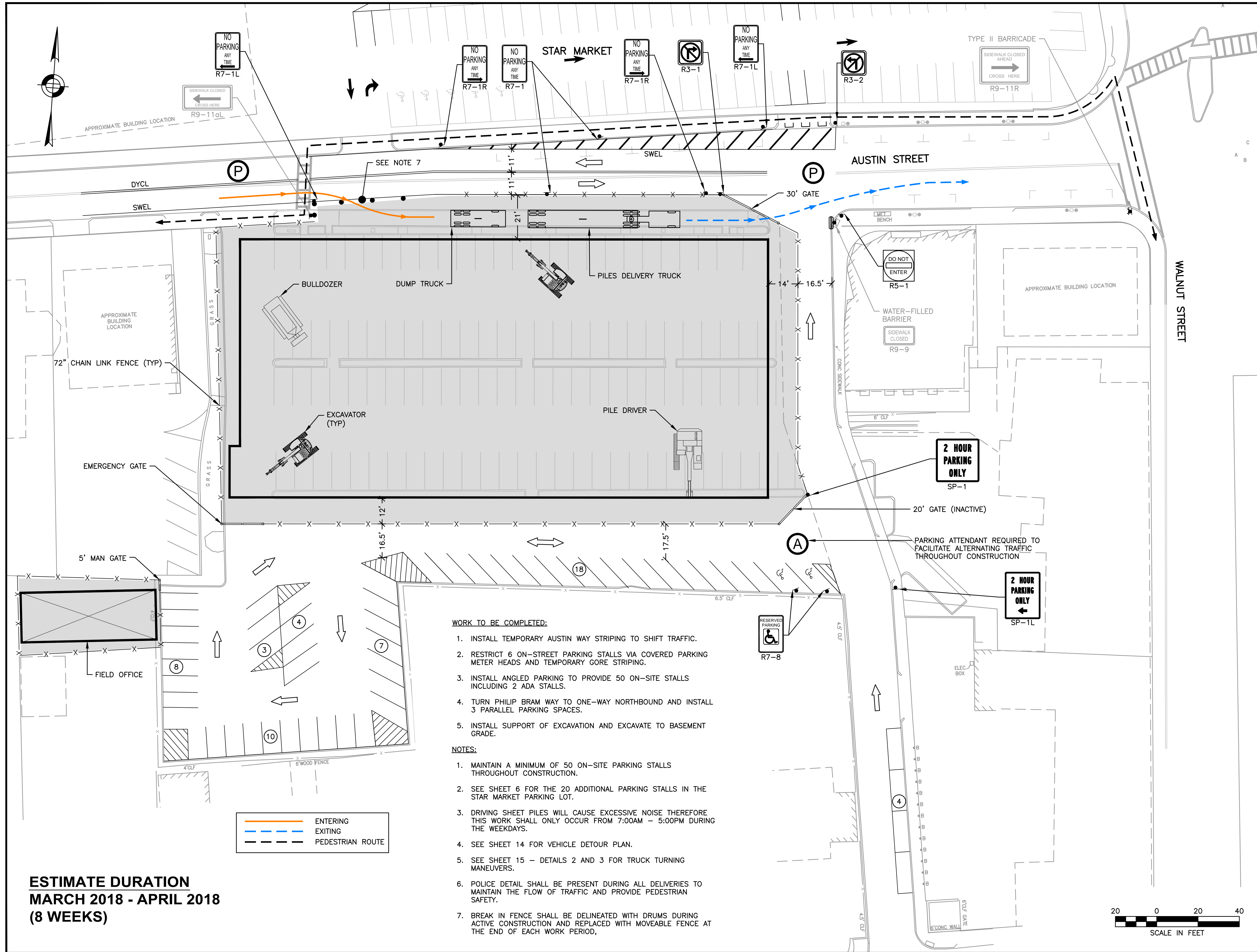
DESIGNED BY: B. ZIMOLKA

DRAWN BY: B. ZIMOLKA

CHECKED BY: R. BURGESS

CMP-007

SHEET 7 OF 19



WORK TO BE COMPLETED:

1. INSTALL TEMPORARY AUSTIN WAY STRIPING TO SHIFT TRAFFIC.
2. RESTRICT 6 ON-STREET PARKING STALLS VIA COVERED PARKING METER HEADS AND TEMPORARY GORE STRIPING.
3. INSTALL ANGLED PARKING TO PROVIDE 50 ON-SITE STALLS INCLUDING 2 ADA STALLS.
4. TURN PHILIP BRAM WAY TO ONE-WAY NORTHBOUND AND INSTALL 3 PARALLEL PARKING SPACES.
5. INSTALL SUPPORT OF EXCAVATION AND EXCAVATE TO BASEMENT GRADE.

NOTES:

1. MAINTAIN A MINIMUM OF 50 ON-SITE PARKING STALLS THROUGHOUT CONSTRUCTION.
2. SEE SHEET 6 FOR THE 20 ADDITIONAL PARKING STALLS IN THE STAR MARKET PARKING LOT.
3. DRIVING SHEET PILES WILL CAUSE EXCESSIVE NOISE THEREFORE THIS WORK SHALL ONLY OCCUR FROM 7:00AM - 5:00PM DURING THE WEEKDAYS.
4. SEE SHEET 14 FOR VEHICLE DETOUR PLAN.
5. SEE SHEET 15 - DETAILS 2 AND 3 FOR TRUCK TURNING MANEUVERS.
6. POLICE DETAIL SHALL BE PRESENT DURING ALL DELIVERIES TO MAINTAIN THE FLOW OF TRAFFIC AND PROVIDE PEDESTRIAN SAFETY.
7. BREAK IN FENCE SHALL BE DELINEATED WITH DRUMS DURING ACTIVE CONSTRUCTION AND REPLACED WITH MOVEABLE FENCE AT THE END OF EACH WORK PERIOD.

ESTIMATE DURATION
MARCH 2018 - APRIL 2018
(8 WEEKS)





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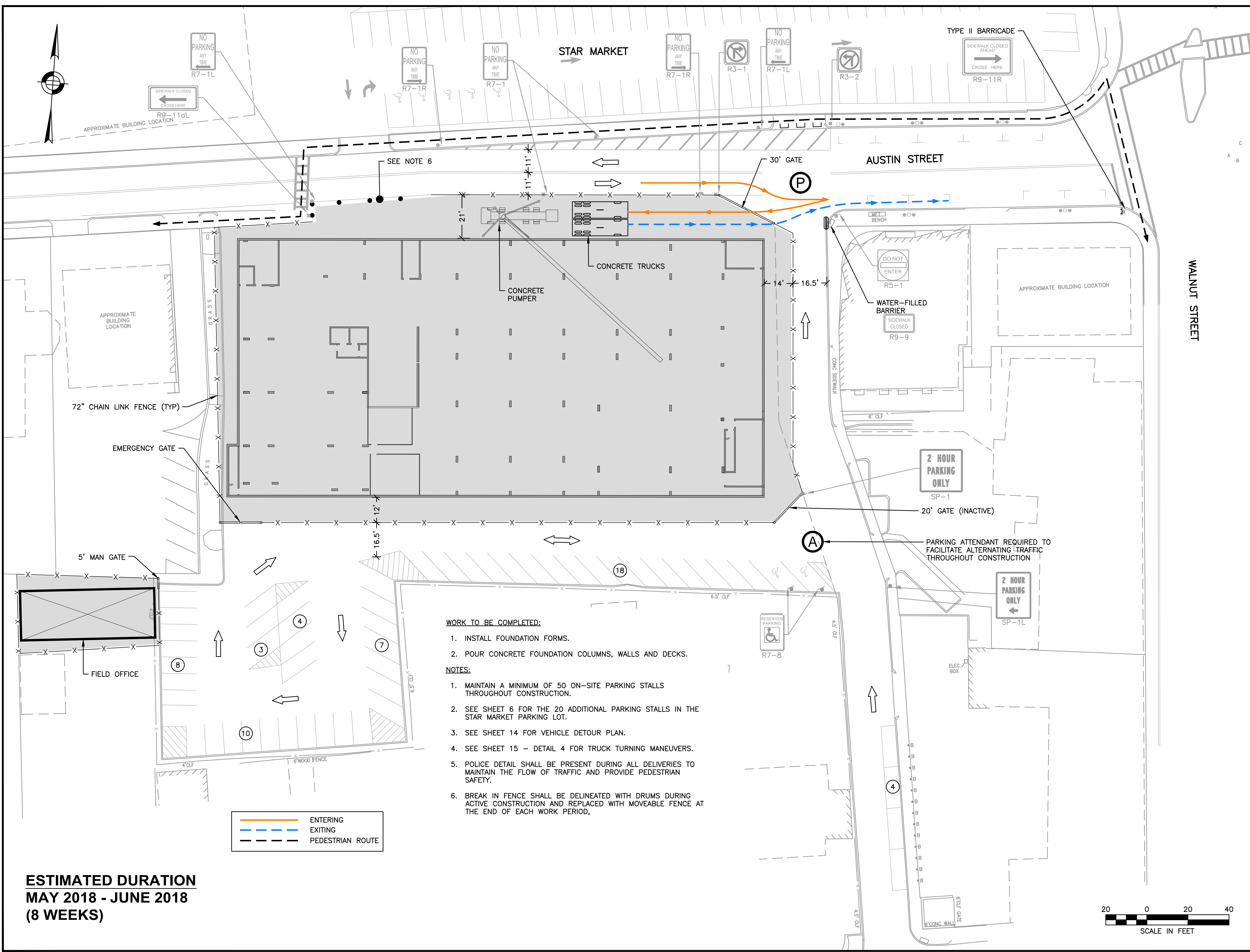
ISSUED FOR
 CONSTRUCTION

CONSTRUCTION
 MANAGEMENT PLAN

BASEMENT CONCRETE
 FOUNDATION

DATE:	JAN 3, 2018
PROJECT NUMBER:	2017244
DESIGNED BY:	B. ZIMOLKA
DRAWN BY:	B. ZIMOLKA
CHECKED BY:	R. BURGESS

CMP-008
 SHEET 8 OF 19



- WORK TO BE COMPLETED:**
1. INSTALL FOUNDATION FORMS.
 2. POUR CONCRETE FOUNDATION COLUMNS, WALLS AND DECKS.
- NOTES:**
1. MAINTAIN A MINIMUM OF 50 ON-SITE PARKING STALLS THROUGHOUT CONSTRUCTION.
 2. SEE SHEET 6 FOR THE 20 ADDITIONAL PARKING STALLS IN THE STAR MARKET PARKING LOT.
 3. SEE SHEET 14 FOR VEHICLE DETOUR PLAN.
 4. SEE SHEET 15 - DETAIL 4 FOR TRUCK TURNING MANEUVERS.
 5. POLICE DETAIL SHALL BE PRESENT DURING ALL DELIVERIES TO MAINTAIN THE FLOW OF TRAFFIC AND PROVIDE PEDESTRIAN SAFETY.
 6. BREAK IN FENCE SHALL BE DELINEATED WITH DRUMS DURING ACTIVE CONSTRUCTION AND REPLACED WITH MOVEABLE FENCE AT THE END OF EACH WORK PERIOD.



ESTIMATED DURATION
MAY 2018 - JUNE 2018
(8 WEEKS)

2/5/2015 L:\17244\CMP\CUTSHEETS\Basement Foundation.dwg
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PREPARED FOR:

CITY OF NEWTON

28 AUSTIN STREET
 NEWTON, MA

REVISIONS:

NO	BY	DATE	DESCRIPTION

ISSUED FOR
 CONSTRUCTION

CONSTRUCTION
 MANAGEMENT PLAN

CONCRETE STRUCTURE
 AND MODULE ERECTION

DATE: JAN 3, 2018

PROJECT NUMBER: 2017244

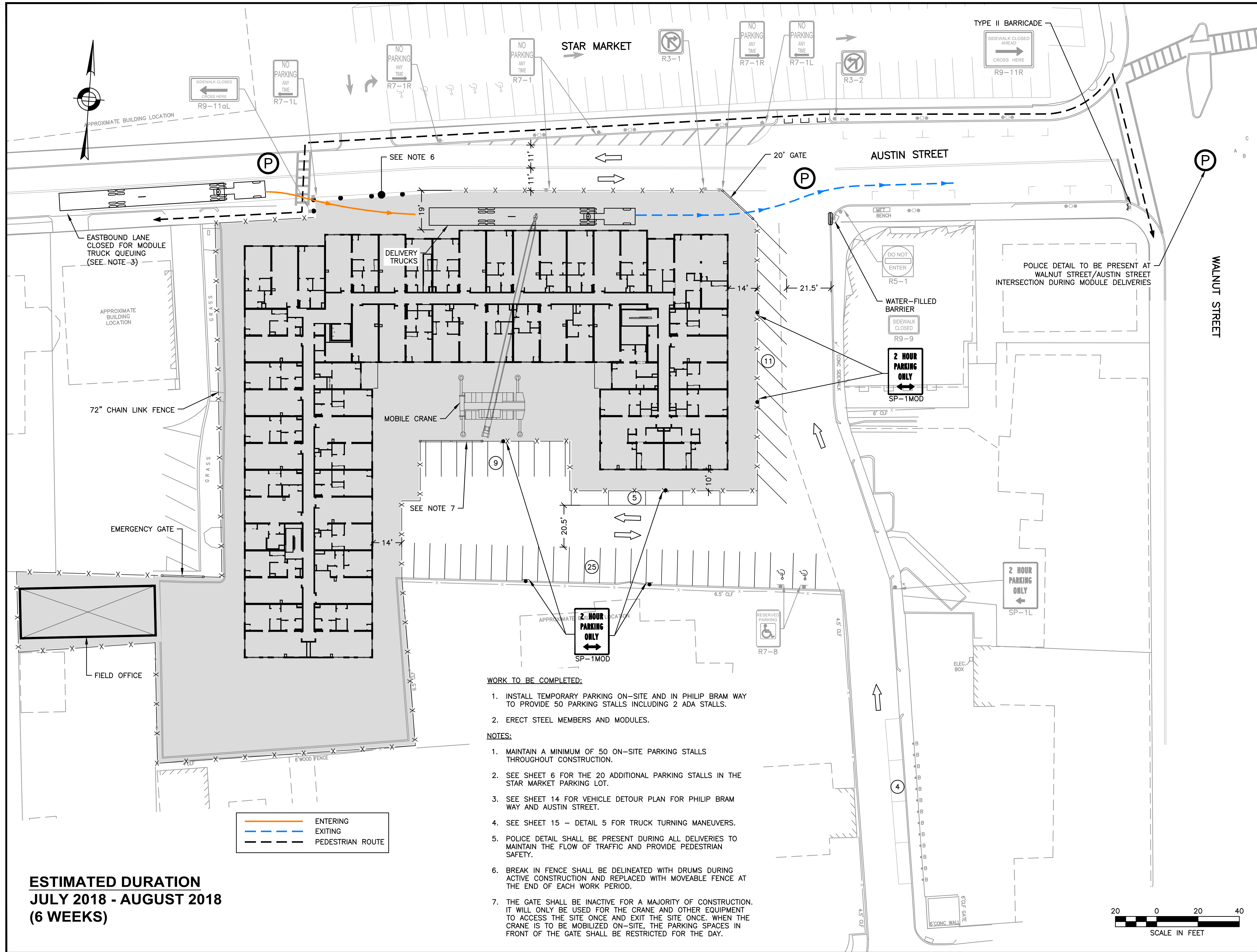
DESIGNED BY: B. ZIMOLKA

DRAWN BY: B. ZIMOLKA

CHECKED BY: R. BURGESS

CMP-009

SHEET 9 OF 19



ESTIMATED DURATION
JULY 2018 - AUGUST 2018
(6 WEEKS)



WORK TO BE COMPLETED:

1. INSTALL TEMPORARY PARKING ON-SITE AND IN PHILIP BRAM WAY TO PROVIDE 50 PARKING STALLS INCLUDING 2 ADA STALLS.
2. ERECT STEEL MEMBERS AND MODULES.

NOTES:

1. MAINTAIN A MINIMUM OF 50 ON-SITE PARKING STALLS THROUGHOUT CONSTRUCTION.
2. SEE SHEET 6 FOR THE 20 ADDITIONAL PARKING STALLS IN THE STAR MARKET PARKING LOT.
3. SEE SHEET 14 FOR VEHICLE DETOUR PLAN FOR PHILIP BRAM WAY AND AUSTIN STREET.
4. SEE SHEET 15 - DETAIL 5 FOR TRUCK TURNING MANEUVERS.
5. POLICE DETAIL SHALL BE PRESENT DURING ALL DELIVERIES TO MAINTAIN THE FLOW OF TRAFFIC AND PROVIDE PEDESTRIAN SAFETY.
6. BREAK IN FENCE SHALL BE DELINEATED WITH DRUMS DURING ACTIVE CONSTRUCTION AND REPLACED WITH MOVEABLE FENCE AT THE END OF EACH WORK PERIOD.
7. THE GATE SHALL BE INACTIVE FOR A MAJORITY OF CONSTRUCTION. IT WILL ONLY BE USED FOR THE CRANE AND OTHER EQUIPMENT TO ACCESS THE SITE ONCE AND EXIT THE SITE ONCE. WHEN THE CRANE IS TO BE MOBILIZED ON-SITE, THE PARKING SPACES IN FRONT OF THE GATE SHALL BE RESTRICTED FOR THE DAY.



2/9/2015 L:\17244\CMP\CUTSHEET\Structure Erection.dwg
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28 AUSTIN STREET
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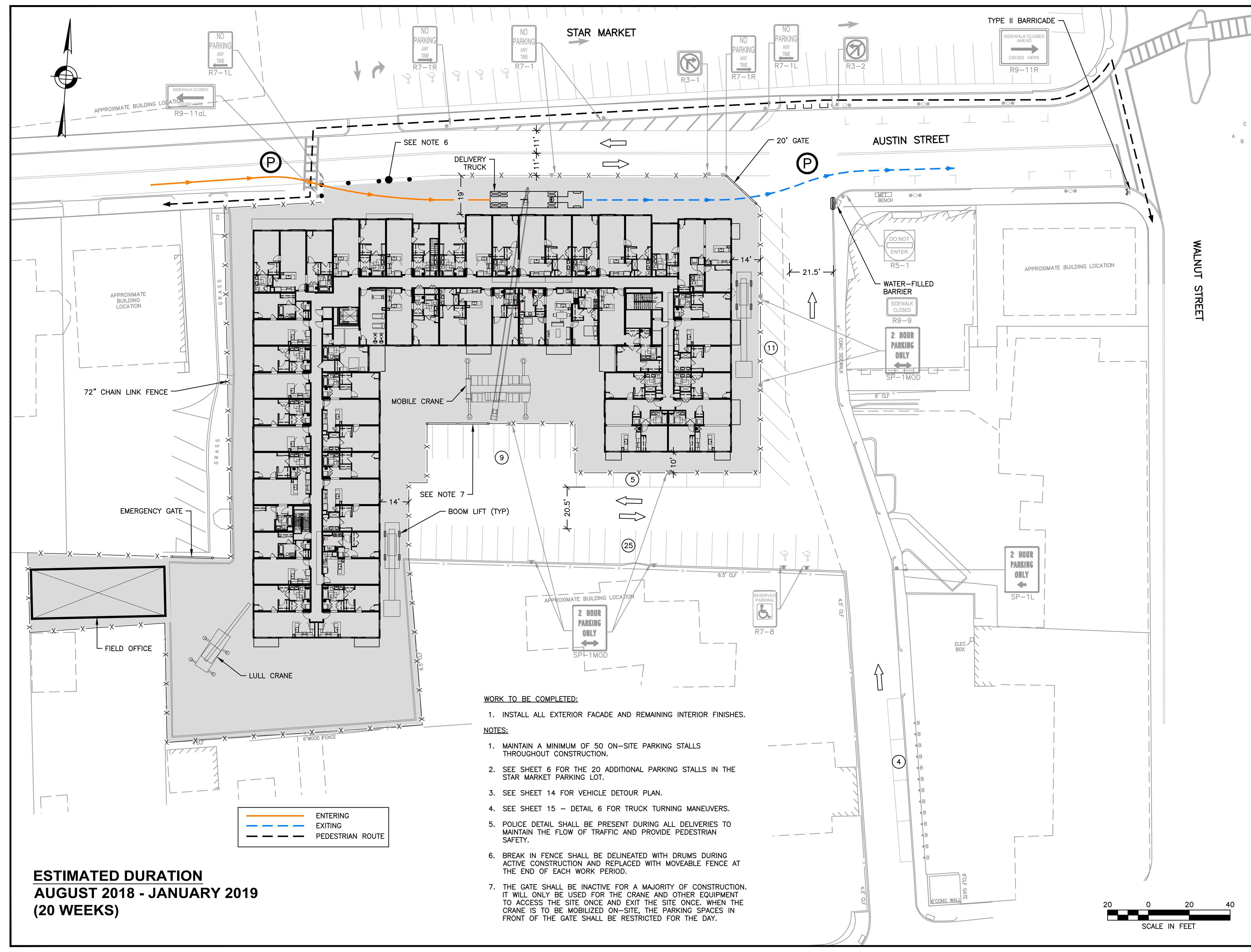
ISSUED FOR CONSTRUCTION

CONSTRUCTION MANAGEMENT PLAN

EXTERIOR FACADE AND INTERIOR FINISHES

DATE:	JAN 3, 2018
PROJECT NUMBER:	2017244
DESIGNED BY:	B. ZIMOLKA
DRAWN BY:	B. ZIMOLKA
CHECKED BY:	R. BURGESS

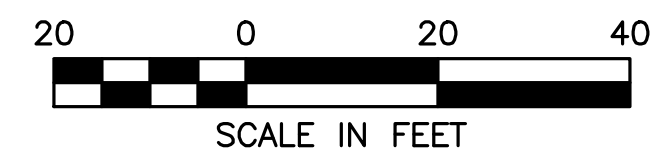
CMP-010
 SHEET 10 OF 19



- WORK TO BE COMPLETED:**
- INSTALL ALL EXTERIOR FACADE AND REMAINING INTERIOR FINISHES.

- NOTES:**
- MAINTAIN A MINIMUM OF 50 ON-SITE PARKING STALLS THROUGHOUT CONSTRUCTION.
 - SEE SHEET 6 FOR THE 20 ADDITIONAL PARKING STALLS IN THE STAR MARKET PARKING LOT.
 - SEE SHEET 14 FOR VEHICLE DETOUR PLAN.
 - SEE SHEET 15 - DETAIL 6 FOR TRUCK TURNING MANEUVERS.
 - POLICE DETAIL SHALL BE PRESENT DURING ALL DELIVERIES TO MAINTAIN THE FLOW OF TRAFFIC AND PROVIDE PEDESTRIAN SAFETY.
 - BREAK IN FENCE SHALL BE DELINEATED WITH DRUMS DURING ACTIVE CONSTRUCTION AND REPLACED WITH MOVEABLE FENCE AT THE END OF EACH WORK PERIOD.
 - THE GATE SHALL BE INACTIVE FOR A MAJORITY OF CONSTRUCTION. IT WILL ONLY BE USED FOR THE CRANE AND OTHER EQUIPMENT TO ACCESS THE SITE ONCE AND EXIT THE SITE ONCE. WHEN THE CRANE IS TO BE MOBILIZED ON-SITE, THE PARKING SPACES IN FRONT OF THE GATE SHALL BE RESTRICTED FOR THE DAY.

ESTIMATED DURATION
AUGUST 2018 - JANUARY 2019
(20 WEEKS)



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CITY OF NEWTON

28 AUSTIN STREET
 NEWTON, MA

REVISIONS:

NO	BY	DATE	DESCRIPTION

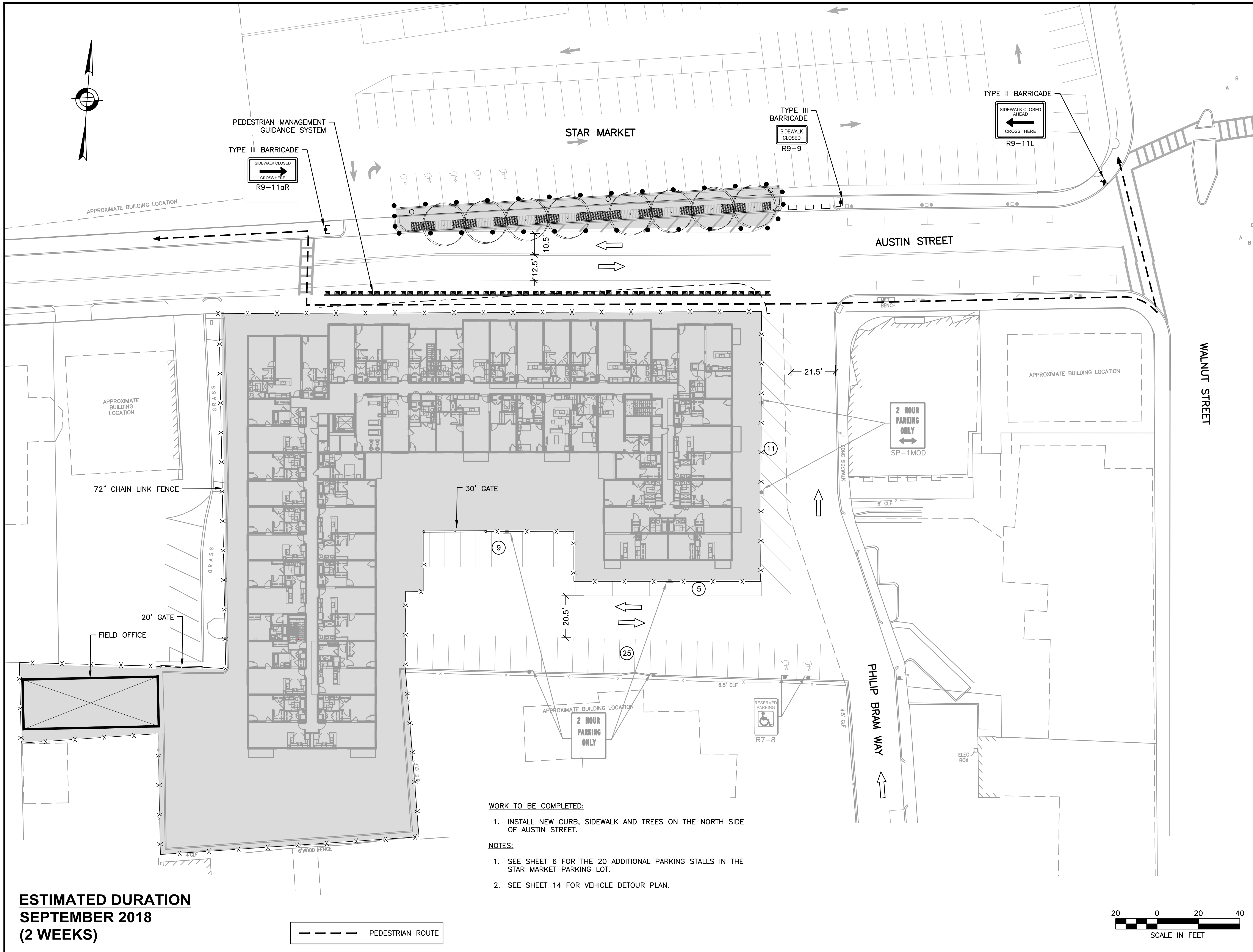
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CONSTRUCTION MANAGEMENT PLAN

NORTH CURB, SIDEWALK AND TREE INSTALLATION

DATE:	JAN 3, 2018
PROJECT NUMBER:	2017244
DESIGNED BY:	B. ZIMOLKA
DRAWN BY:	B. ZIMOLKA
CHECKED BY:	R. BURGESS

CMP-012
 SHEET 11 OF 19



- WORK TO BE COMPLETED:**
1. INSTALL NEW CURB, SIDEWALK AND TREES ON THE NORTH SIDE OF AUSTIN STREET.
- NOTES:**
1. SEE SHEET 6 FOR THE 20 ADDITIONAL PARKING STALLS IN THE STAR MARKET PARKING LOT.
 2. SEE SHEET 14 FOR VEHICLE DETOUR PLAN.

ESTIMATED DURATION
SEPTEMBER 2018
(2 WEEKS)

--- PEDESTRIAN ROUTE

2/9/2015 L:\17244\CMP\CUTSHEETS\Handscaping-stage2.dwg
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CONSTRUCTION
 MANAGEMENT PLAN

HARDSCAPING AND
 ROADWAY
 CONSTRUCTION

DATE: JAN 3, 2018

PROJECT NUMBER: 2017244

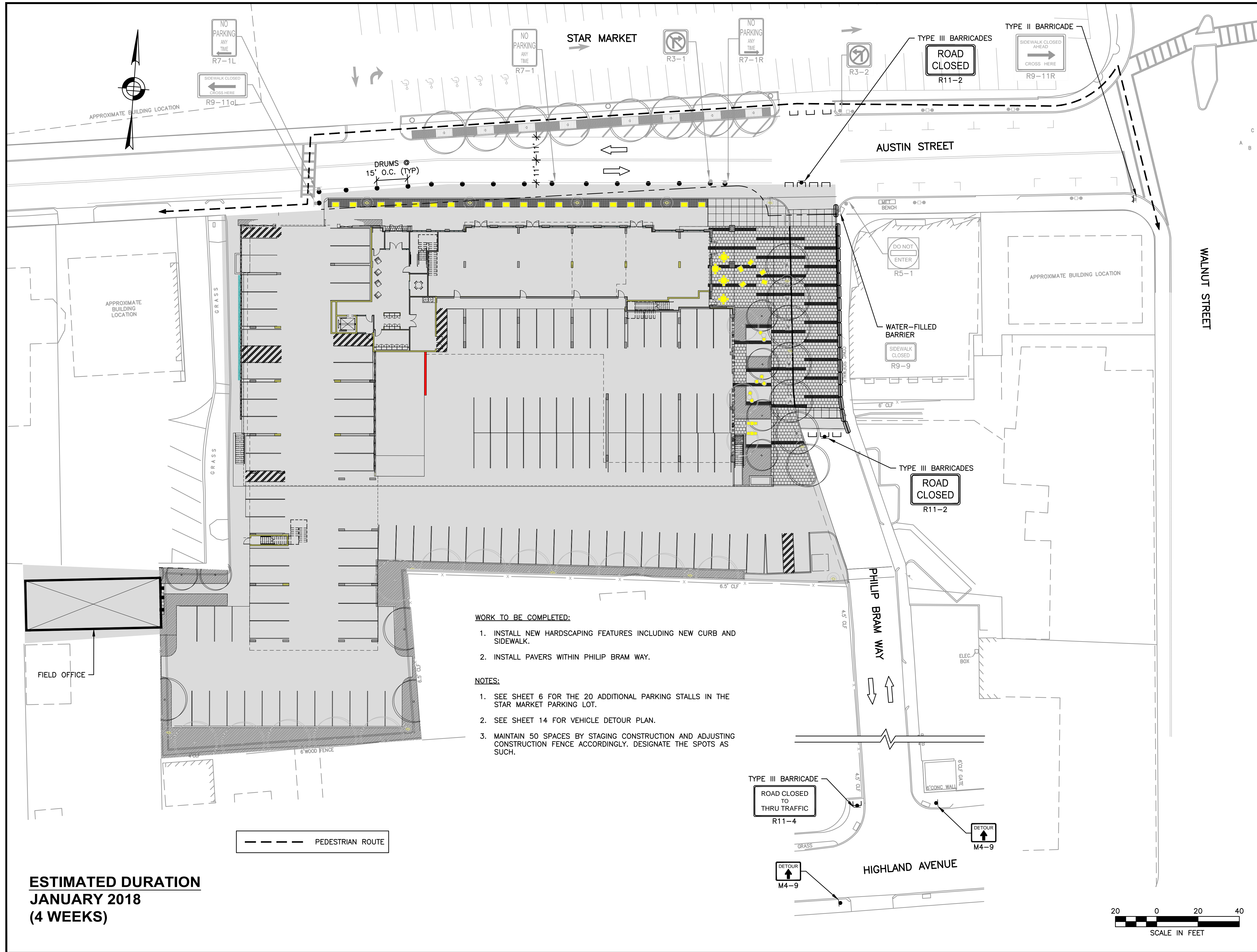
DESIGNED BY: B. ZIMOLKA

DRAWN BY: B. ZIMOLKA

CHECKED BY: R. BURGESS

CMP-011

SHEET 12 OF 19



WORK TO BE COMPLETED:

1. INSTALL NEW HARDSCAPING FEATURES INCLUDING NEW CURB AND SIDEWALK.
2. INSTALL PAVERS WITHIN PHILIP BRAM WAY.

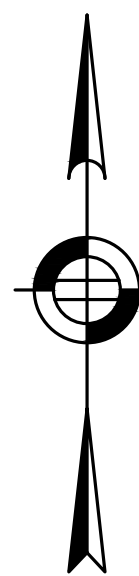
NOTES:

1. SEE SHEET 6 FOR THE 20 ADDITIONAL PARKING STALLS IN THE STAR MARKET PARKING LOT.
2. SEE SHEET 14 FOR VEHICLE DETOUR PLAN.
3. MAINTAIN 50 SPACES BY STAGING CONSTRUCTION AND ADJUSTING CONSTRUCTION FENCE ACCORDINGLY. DESIGNATE THE SPOTS AS SUCH.

ESTIMATED DURATION
JANUARY 2018
(4 WEEKS)



2/5/2015 L:\17244\CMP\CUTSHEET\Hardscaping.dwg
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 NEWTON, MA

REVISIONS:

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ISSUED FOR
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CONSTRUCTION
 MANAGEMENT PLAN

VEHICLE DETOUR PLAN

DATE: JAN 3, 2018

PROJECT NUMBER: 2017244

DESIGNED BY: B. ZIMOLKA

DRAWN BY: B. ZIMOLKA

CHECKED BY: R. BURGESS

CMP-014

SHEET 14 OF 19

WASHINGTON STREET

MASSACHUSETTS TURNPIKE

AUSTIN STREET

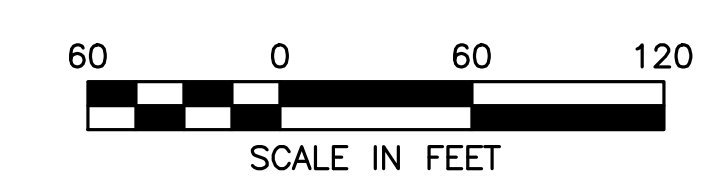
WALNUT STREET

LOWELL AVENUE

HIGHLAND AVENUE

PHILIP BRAM WAY

- PHILIP BRAM WAY SOUTHBOUND CLOSURE
- - - AUSTIN STREET EASTBOUND CLOSURE (DURING MODULE DELIVERIES)
- - - PHILIP BRAM WAY RECONSTRUCTION



AUSTIN ST
 CLOSURE ONLY
 M4-9
 DETOUR

DETOUR
 M4-9L

TYPE III BARRICADES
 (AUSTIN ST CLOSURE ONLY)

ROAD
 CLOSED

R11-2
 DETOUR
 M4-9R

DETOUR
 M4-9R

DETOUR
 M4-9L

DETOUR
 M4-9R

DETOUR
 M4-9R

PHILIP BRAM
 RECONSTRUCTION ONLY

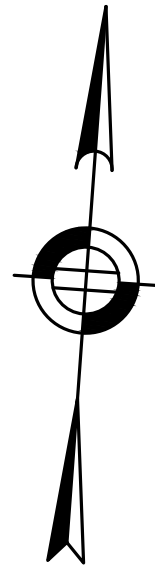
DETOUR
 M4-9L

PHILIP BRAM
 RECONSTRUCTION ONLY

DETOUR
 M4-9L

DETOUR
 M4-9R

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HOWARD STEIN HUDSON
 11 Beacon Street, Suite 1010
 Boston, MA 02108
 www.hshassoc.com

PREPARED FOR:

CITY OF NEWTON

28 AUSTIN STREET
 NEWTON, MA

REVISIONS:

NO	BY	DATE	DESCRIPTION

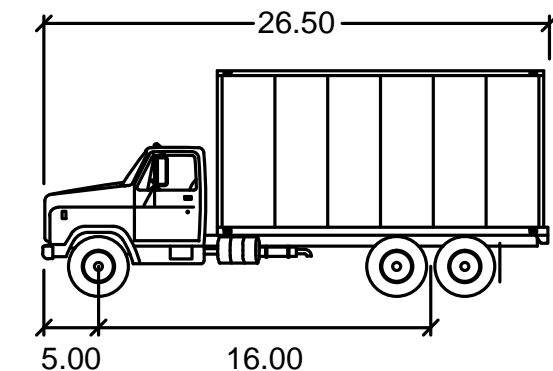
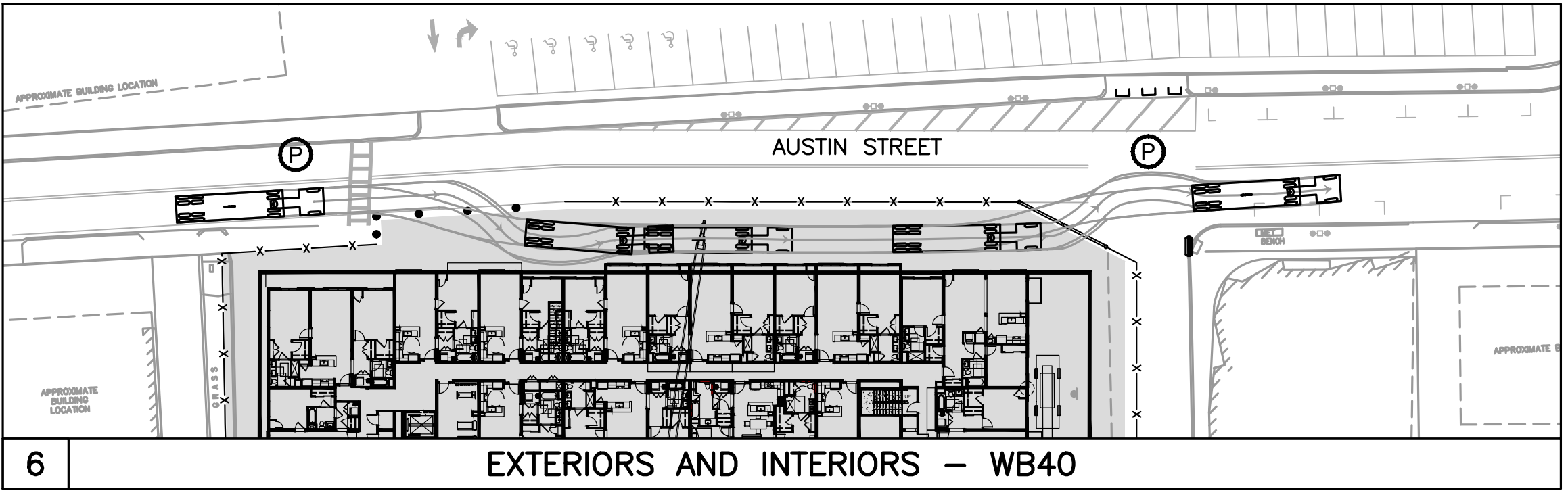
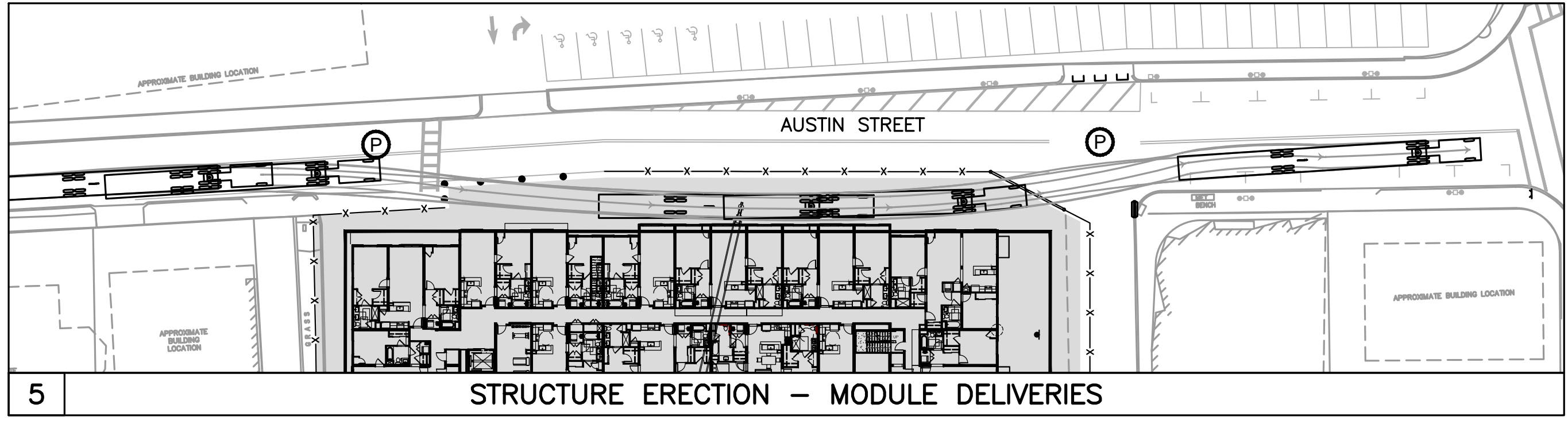
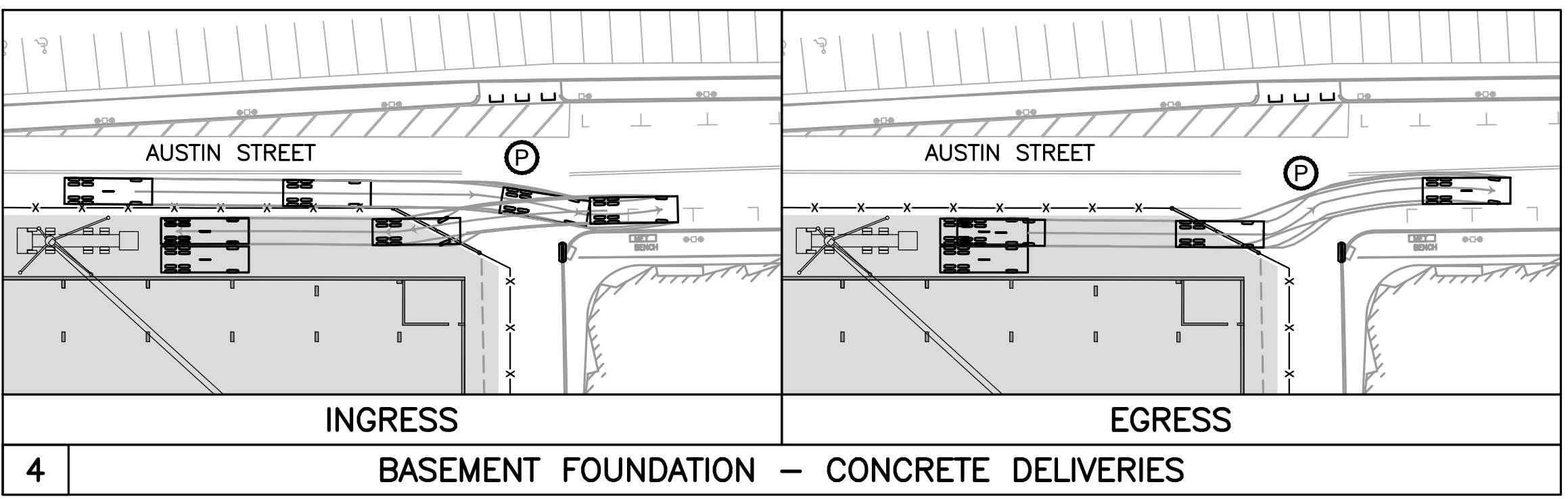
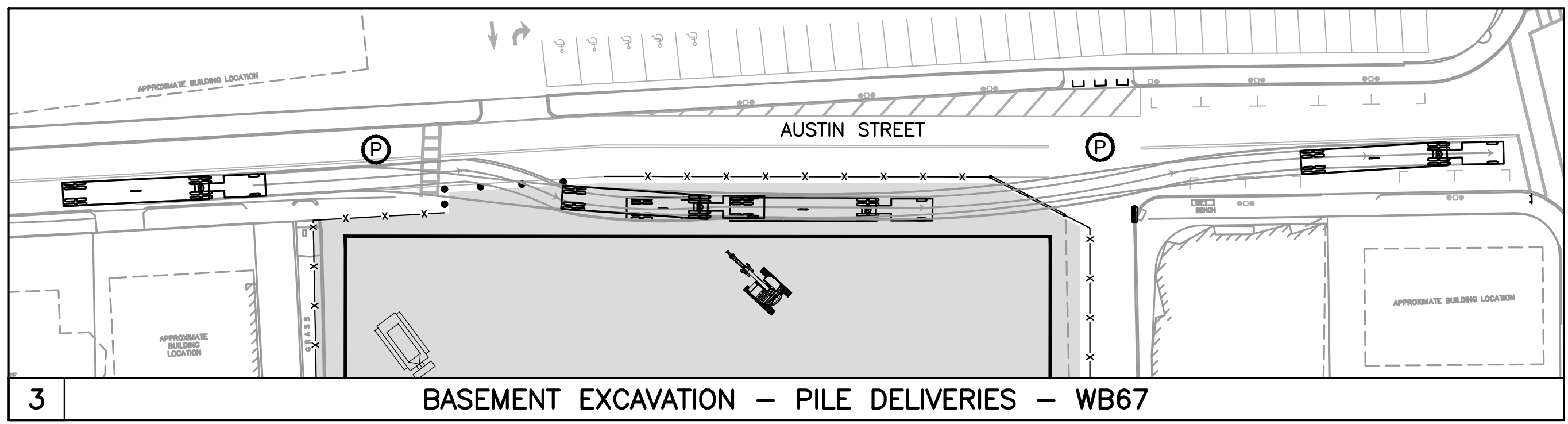
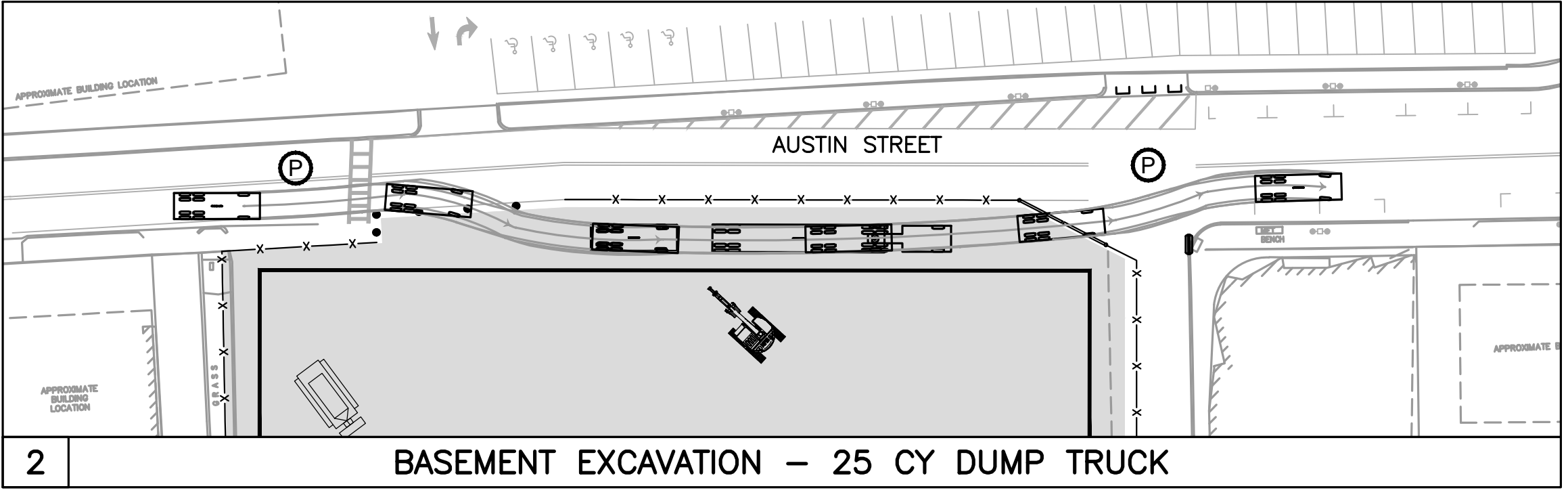
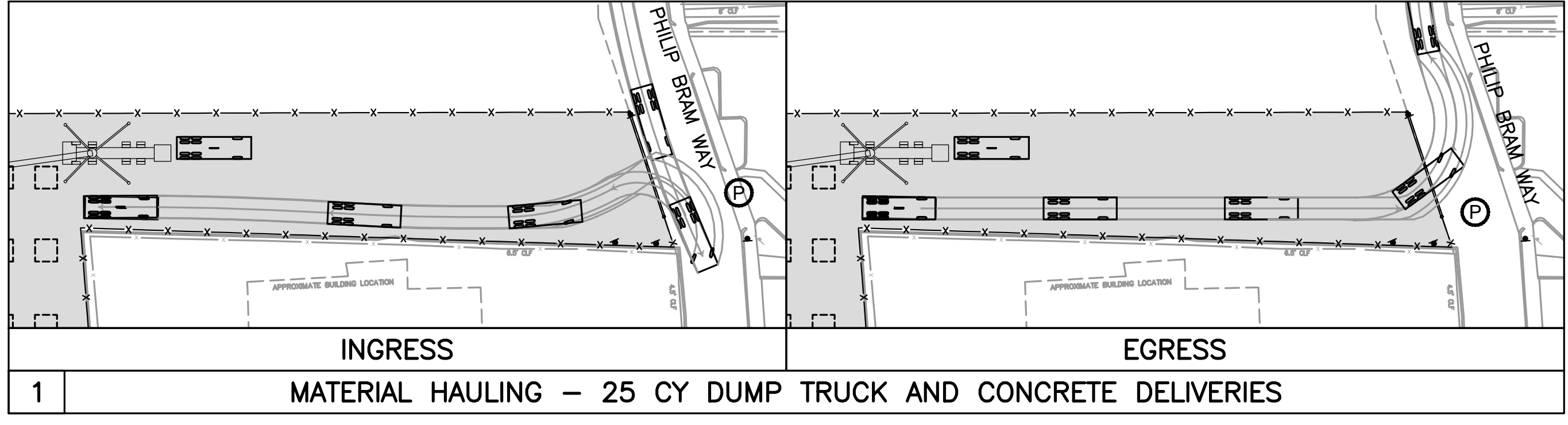
ISSUED FOR
 CONSTRUCTION

CONSTRUCTION
 MANAGEMENT PLAN

TRUCK TURNING
 MANEUVERS

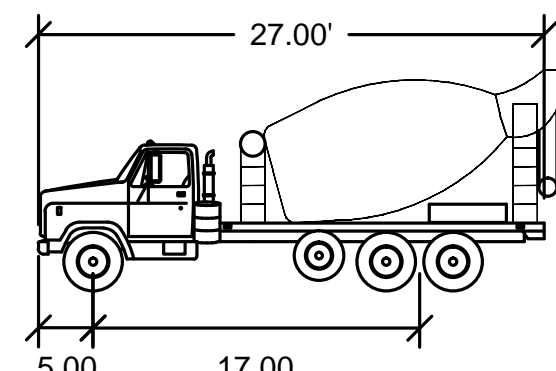
DATE:	JAN 3, 2018
PROJECT NUMBER:	2017244
DESIGNED BY:	B. ZIMOLKA
DRAWN BY:	B. ZIMOLKA
CHECKED BY:	R. BURGESS

CMP-015
 SHEET 15 OF 19



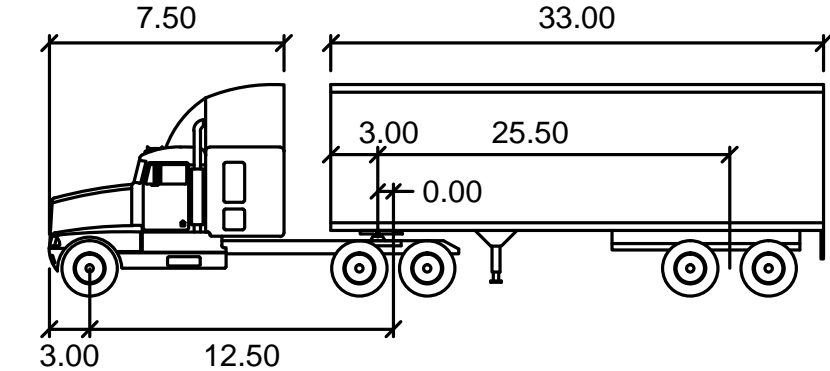
25 CY Dump Truck feet

Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.00
Steering Angle	: 40.00



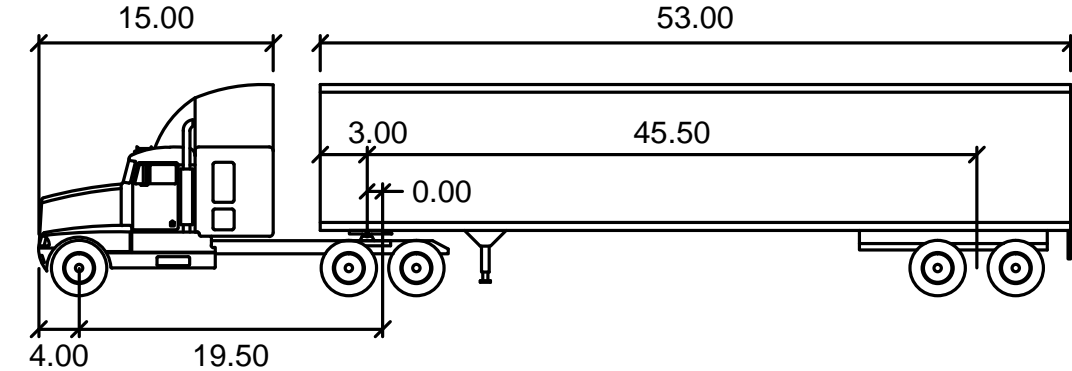
Concrete Truck feet

Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.00
Steering Angle	: 40.00



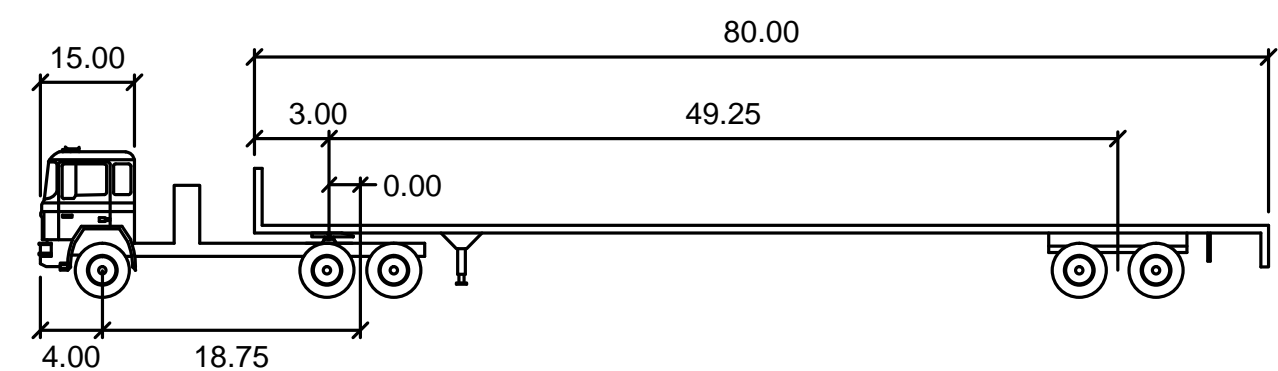
WB-40 feet

Tractor Width	: 8.00	Lock to Lock Time	: 6.00
Trailer Width	: 8.00	Steering Angle	: 20.30
Tractor Track	: 8.00	Articulating Angle	: 70.00
Trailer Track	: 8.00		



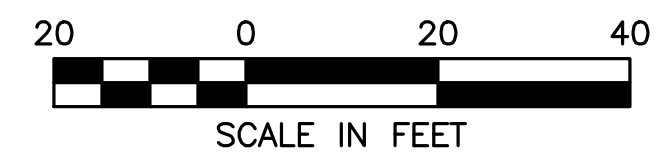
WB-67 feet

Tractor Width	: 8.00	Lock to Lock Time	: 6.00
Trailer Width	: 8.50	Steering Angle	: 28.40
Tractor Track	: 8.00	Articulating Angle	: 75.00
Trailer Track	: 8.50		



MODULES feet

Tractor Width	: 8.00	Lock to Lock Time	: 6.00
Trailer Width	: 8.00	Steering Angle	: 28.40
Tractor Track	: 8.00	Articulating Angle	: 70.00
Trailer Track	: 8.50		



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PREPARED FOR:
 CITY OF NEWTON

**28 AUSTIN STREET
 NEWTON, MA**

REVISIONS:

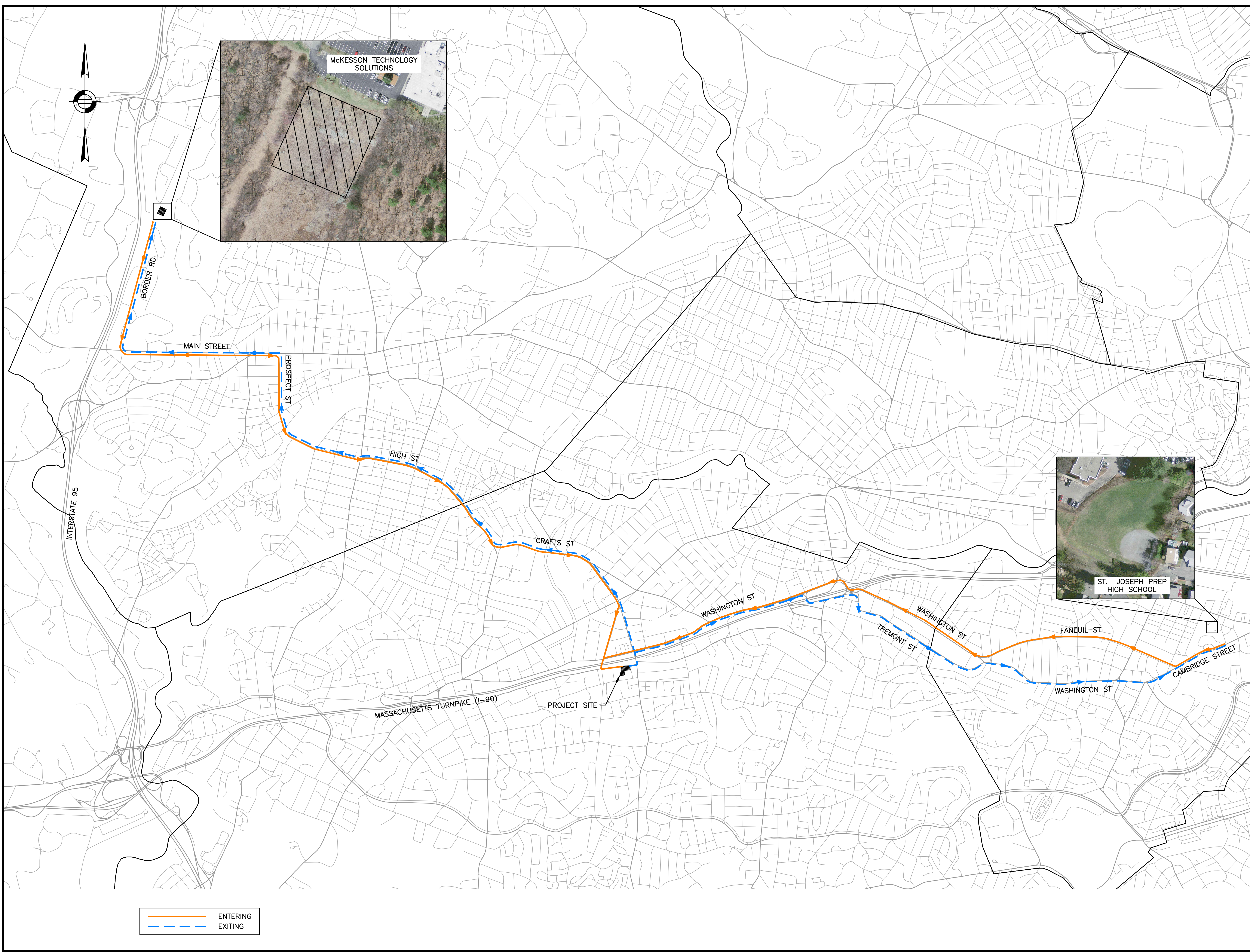
NO	BY	DATE	DESCRIPTION

**ISSUED FOR
 CONSTRUCTION**

**CONSTRUCTION
 MANAGEMENT PLAN**

**POTENTIAL OFF-SITE
 STORAGE AND STAGING
 AREAS**

DATE:	JAN 3, 2018
PROJECT NUMBER:	2017244
DESIGNED BY:	B. ZIMOLKA
DRAWN BY:	B. ZIMOLKA
CHECKED BY:	R. BURGESS



— ENTERING
 - - - EXITING

2/5/2015 L:\17244\CMP\CUTS\SHEETS\Siting.dwg
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 11 Beacon Street, Suite 1010
 Boston, MA 02108
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PREPARED FOR:

CITY OF NEWTON

**28 AUSTIN STREET
 NEWTON, MA**

REVISIONS:

NO	BY	DATE	DESCRIPTION

**ISSUED FOR
 CONSTRUCTION**

**CONSTRUCTION
 MANAGEMENT PLAN**

**MODULE TRUCK ROUTING
 PLAN**

DATE: JAN 3, 2018

PROJECT NUMBER: 2017244

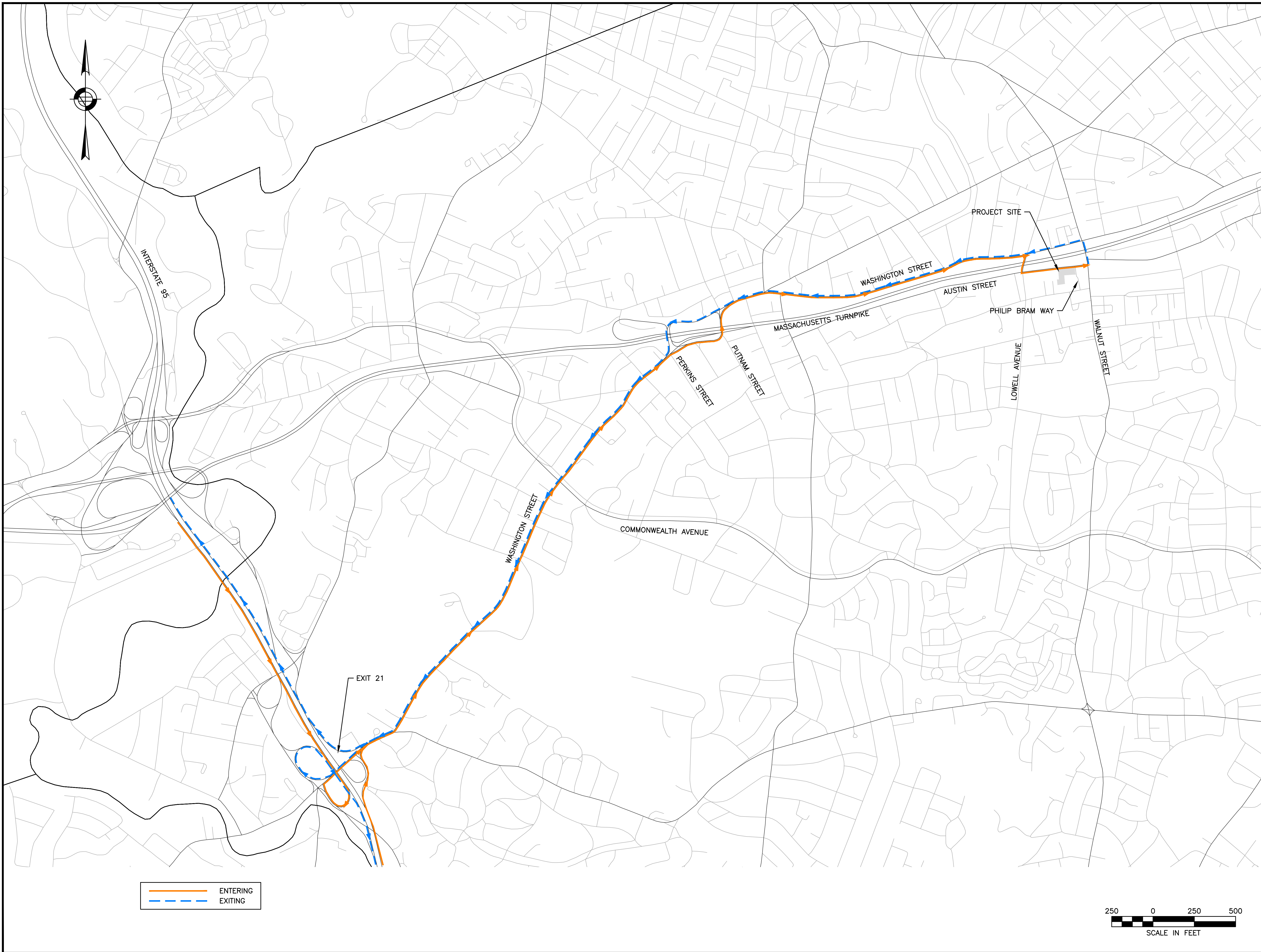
DESIGNED BY: B. ZIMOLKA

DRAWN BY: B. ZIMOLKA

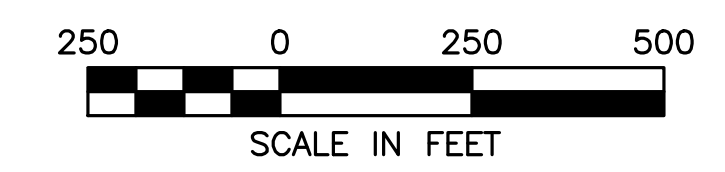
CHECKED BY: R. BURGESS

CMP-017

SHEET 17 OF 19



— ENTERING
 - - - EXITING



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PREPARED FOR:
CITY OF NEWTON

**28 AUSTIN STREET
 NEWTON, MA**

REVISIONS:

NO	BY	DATE	DESCRIPTION

**ISSUED FOR
 CONSTRUCTION**

**CONSTRUCTION
 MANAGEMENT PLAN**

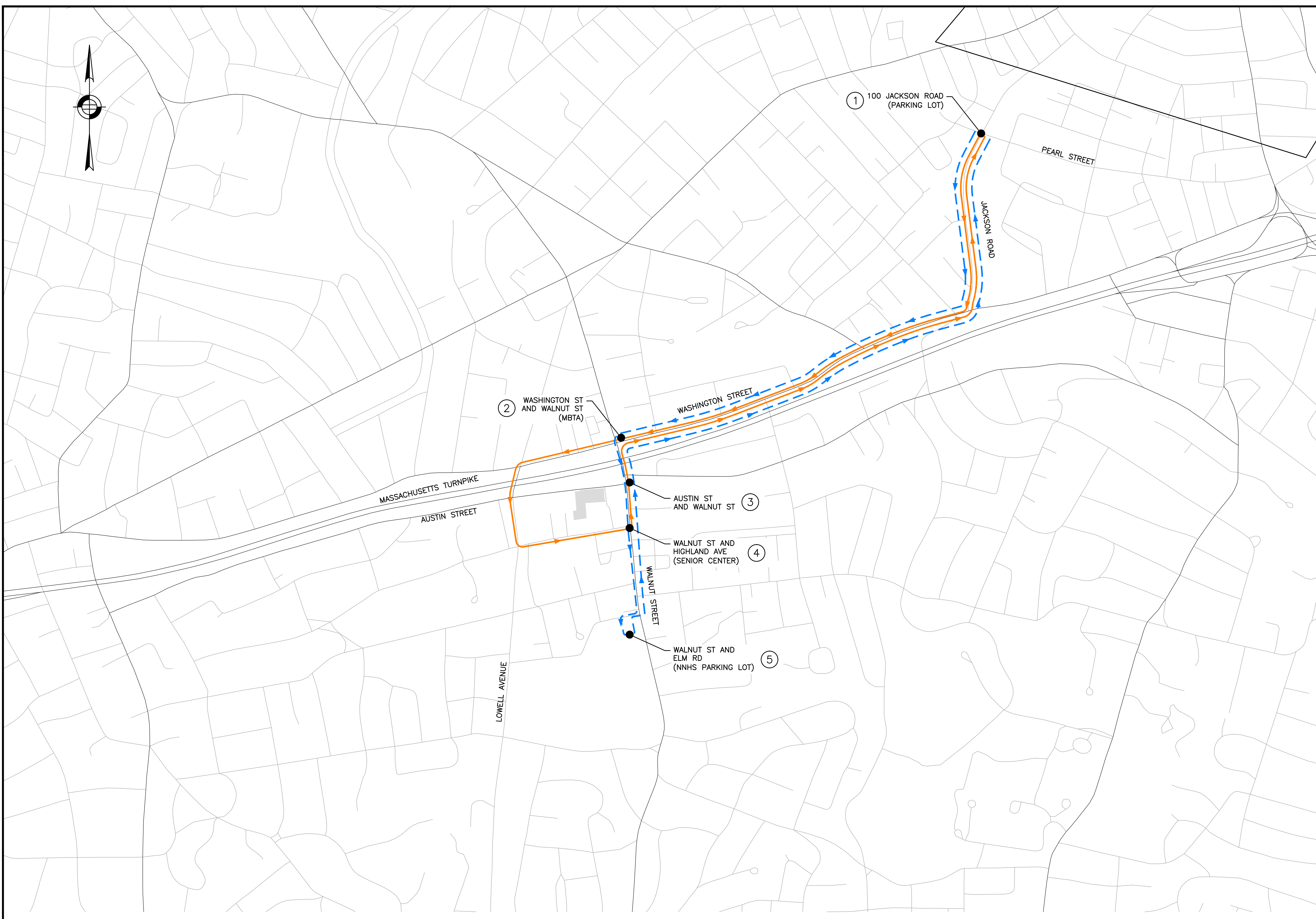
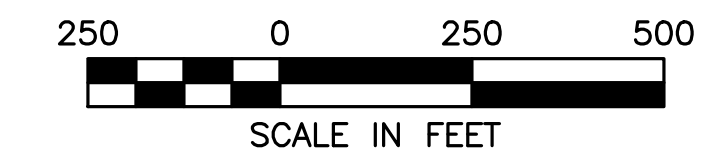
**SHUTTLE ROUTES AND
 STOPS**

DATE:	JAN 3, 2018
PROJECT NUMBER:	2017244
DESIGNED BY:	B. ZIMOLKA
DRAWN BY:	B. ZIMOLKA
CHECKED BY:	R. BURGESS

CMP-018
 SHEET 18 OF 19



WEEKDAY (6:30AM TO 7:00PM) - EVERY 20 MINUTES
 SATURDAY (9:00AM TO 3:00PM) - EVERY 20 MINUTES





PREPARED FOR:

CITY OF NEWTON

28 AUSTIN STREET
 NEWTON, MA

REVISIONS:

NO	BY	DATE	DESCRIPTION

ISSUED FOR
 CONSTRUCTION

CONSTRUCTION
 MANAGEMENT PLAN

SIGN SUMMARY SHEET

DATE: JAN 3, 2018

PROJECT NUMBER: 2017244

DESIGNED BY: B. ZIMOLKA

DRAWN BY: B. ZIMOLKA

CHECKED BY: R. BURGESS

CMP-019

SHEET 19 OF 19

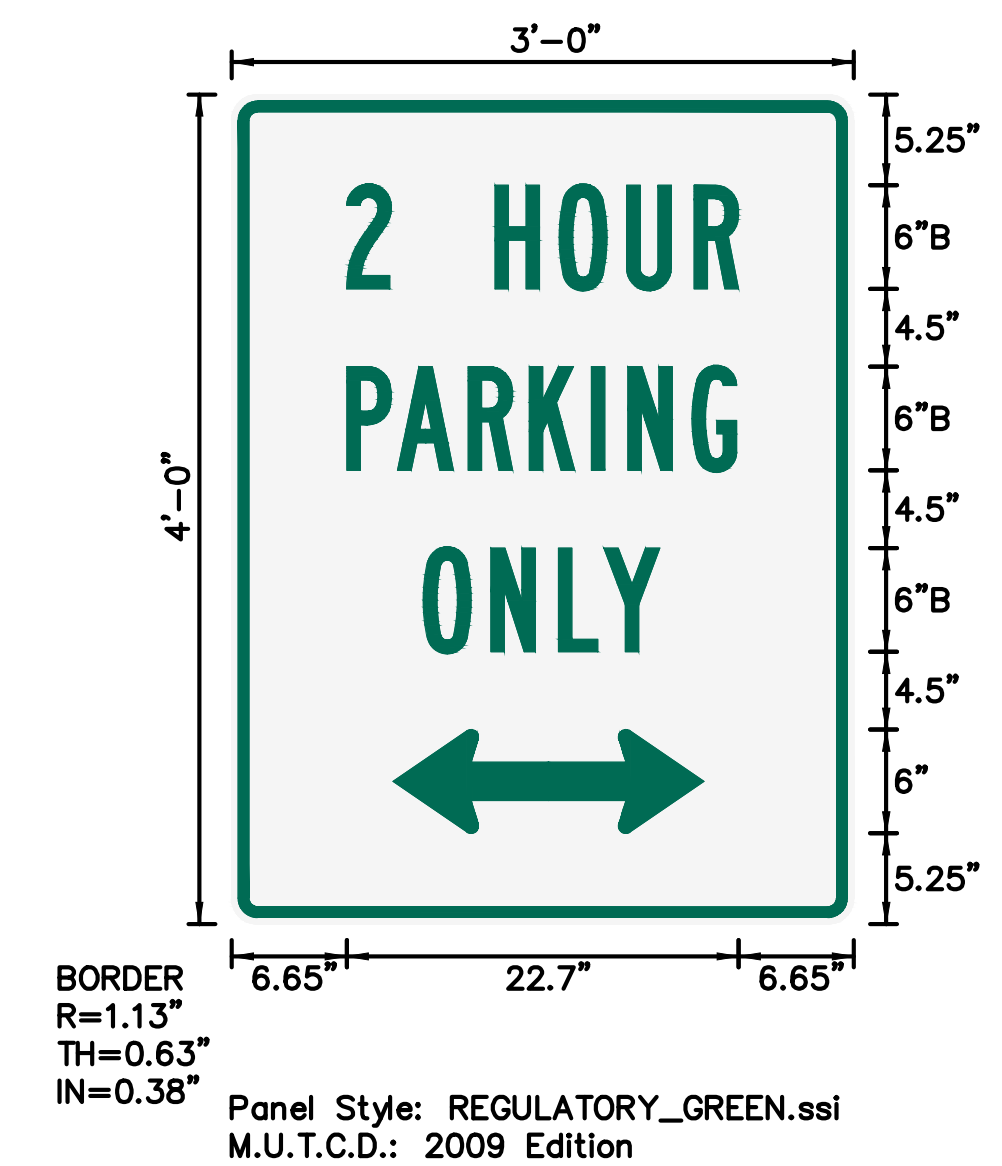
IDENTIFICATION NUMBER	SIZE OF SIGN (INCHES)		UNIT AREA SF	TEXT	TEXT DIMENSIONS	NUMBER OF SIGNS REQUIRED	COLOR	POST SIZE AND NUMBER REQUIRED PER SIGN	AREA IN SQUARE FEET
	WIDTH	HEIGHT							
M4-9	30"	24"	5.00		SEE THE MUTCD STANDARD DETAIL	2	SEE MUTCD STANDARD DETAIL	MUTCD SPEC. MOUNT ON MAST ARM/POST	10.00
M4-9L	30"	24"	5.00			3			15.00
M4-9R	30"	24"	5.00			5			25.00
R3-1	30"	30"	6.25			1			6.25
R3-2	30"	30"	6.25			1			6.25
R7-1	12"	18"	1.50			2			3.00
R7-1L	12"	18"	1.50			2			3.00
R7-1R	12"	18"	1.50			2			3.00
R7-5 MOD	12"	18"	1.50			11			16.50
R7-8	12"	18"	1.50			4			6.00
R9-9	24"	12"	2.00			1			2.00
R9-11R	24"	18"	3.00			1			3.00
R9-11aL	24"	12"	2.00			1			2.00
R11-2	48"	30"	10.00			2			20.00
R11-4	48"	24"	8.00			1			8.00
SP-1	36"	36"	9.00		SEE DETAIL A	1			9.00
SP-1L	36"	48"	12.00		SEE DETAIL B	1			12.00
SP-1L	36"	48"	12.00		SEE DETAIL C	6			72.00



DETAIL A



DETAIL B



DETAIL C