

CITY OF WORCESTER, MASSACHUSETTS

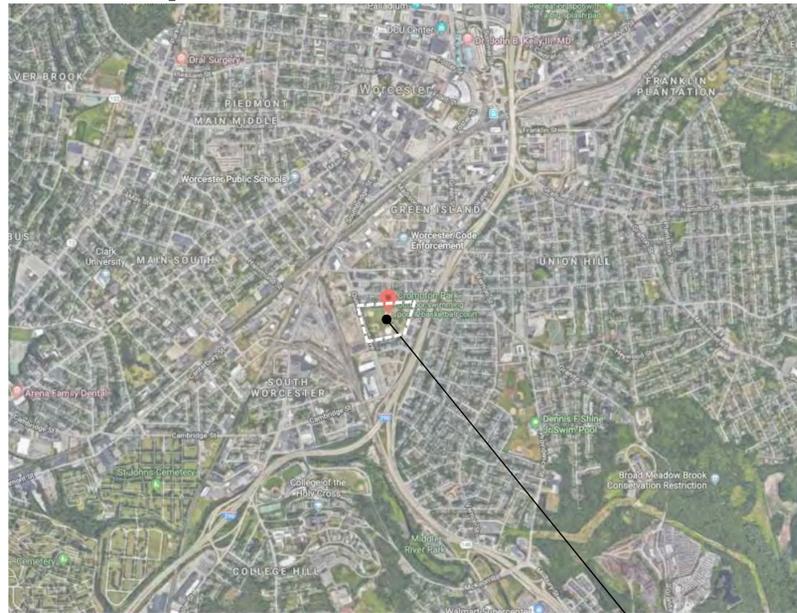
CROMPTON PARK SKATE PARK

47 Quinsigamond Ave, Worcester, MA



CROMPTON PARK, WORCESTER, MA 01603

Locus Map



CROMPTON PARK
PROJECT SITE

**FOR CONSERVATION
COMMISSION REVIEW ONLY
NOT FOR CONSTRUCTION**

MAY 20, 2020

Prepared By

Weston & SampsonSM

427 Main Street, Suite 400, Worcester, MA 01608
(508) 762-1676 (800) Sampson
www.westonandsampson.com



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LEGEND

	PROPERTY LINE
	EXISTING CONTOURS
	EXISTING SPOT GRADES
	EXISTING DRAINAGE STRUCTURE
	EXISTING SPORTS LIGHTING
	EXISTING SPORTS LIGHTING
	EXISTING FENCING
	EXISTING WOOD GUARDRAIL
	EXISTING TREE
	100 YEAR FEMA FLOOD ELEV. (EL.449)

NOTE: AREA WITHIN LIMIT OF WORK IS WITHIN THE 100 YEAR FLOOD ZONE (ELEV. 449)

Project:
CROMPTON PARK SKATE PARK

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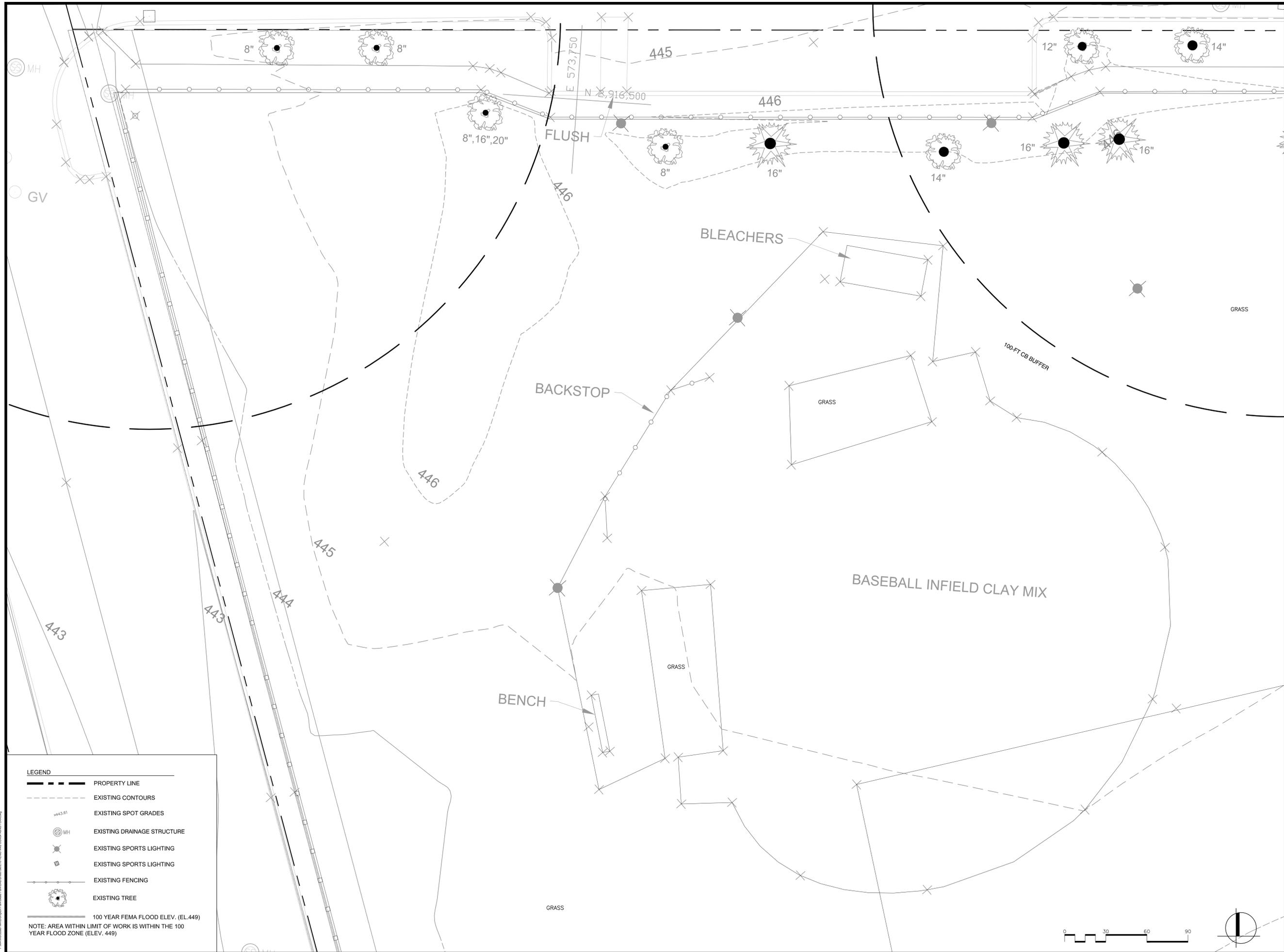
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OVERALL EXISTING CONDITIONS PLAN
 Sheet Number:
LV101
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LEGEND

- PROPERTY LINE
- EXISTING CONTOURS
- EXISTING SPOT GRADES
- EXISTING DRAINAGE STRUCTURE
- EXISTING SPORTS LIGHTING
- EXISTING FENCING
- EXISTING TREE
- 100 YEAR FEMA FLOOD ELEV. (EL.449)

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EXISTING CONDITION ENLARGEMENT PLAN

Sheet Number:
LV201



LEGEND

- LIMIT OF WORK
- 6' HT. CONSTRUCTION FENCE, TYP.
- EROSION CONTROL, TYP.
 - STRAW WATTLE ON PAVEMENT SURFACES
 - COMPOST FILTER TUBES IN LANDSCAPE AREAS
- ▨ R&D BITUMINOUS CONCRETE PAVEMENT, COMPLETE
- ▨ EX. WALKWAY UNDER CONSTRUCTION
- ▨ STRIP & STOCKPILE
- ▨ REMOVE & DISPOSE INFIELD MIX
- ⊗ R&D EXISTING TREE
- TREE PROTECTION

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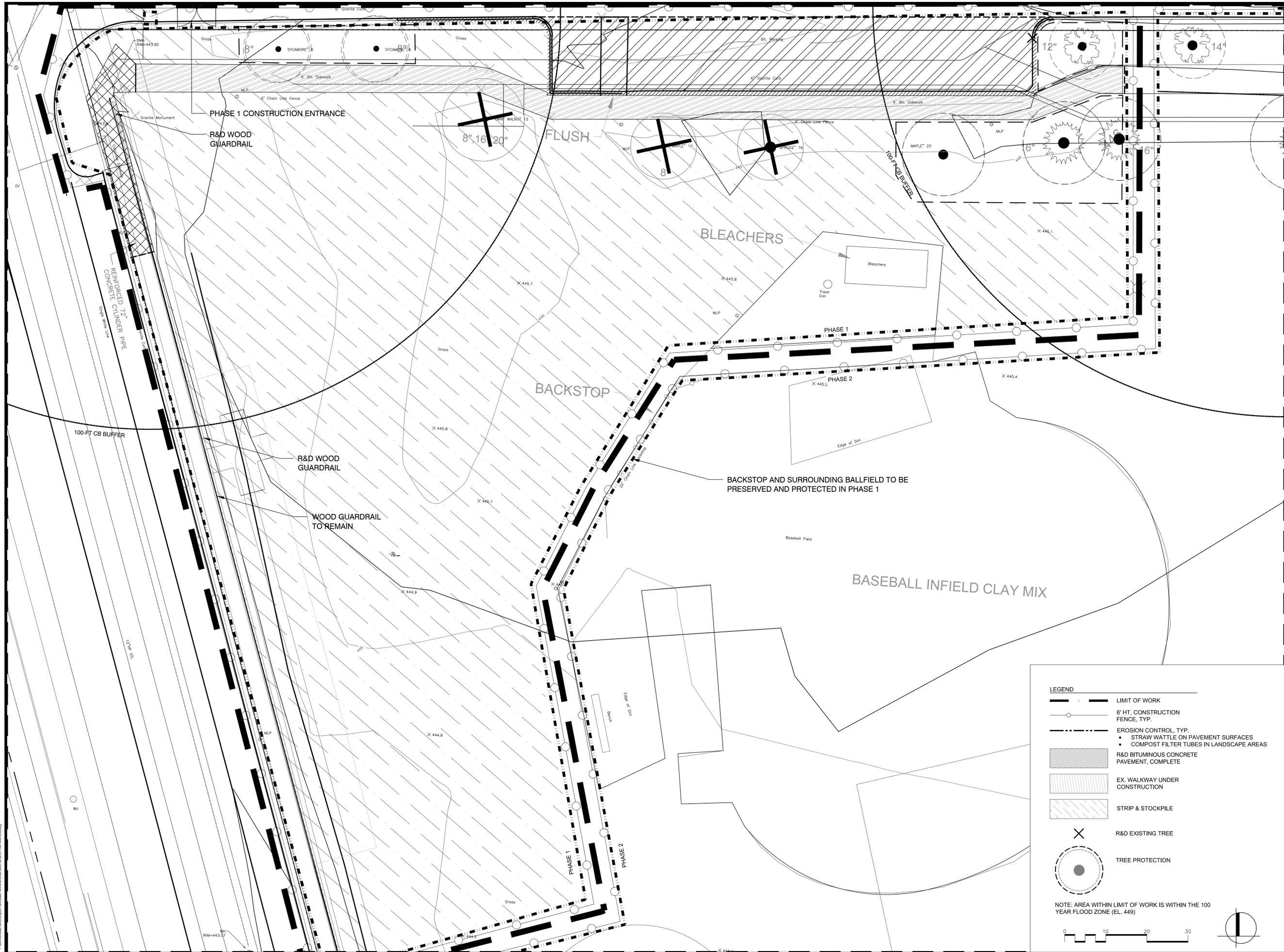
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 JAMES PEARSON
 CIVIL
 No. 50675
 REGISTERED ENGINEER
 5/20/2020

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Drawing Title:
SITE DEMO. AND PREP. PLAN
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SITE PREPARATION ENLACEMENT PLAN
 Sheet Number:
LD202

LEGEND

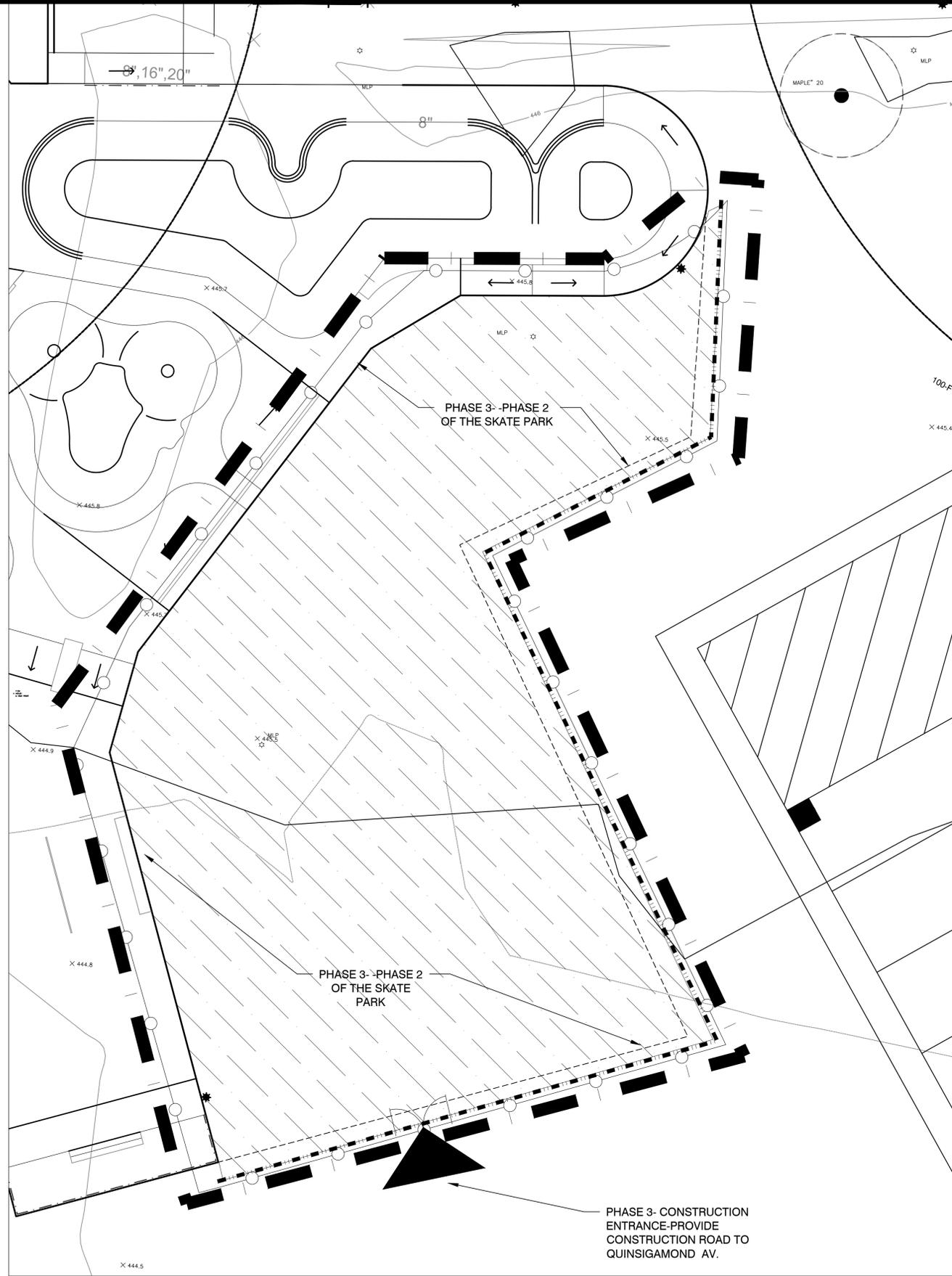
-  LIMIT OF WORK
-  6' HT. CONSTRUCTION FENCE, TYP.
-  EROSION CONTROL, TYP.
 - STRAW WATTLE ON PAVEMENT SURFACES
 - COMPOST FILTER TUBES IN LANDSCAPE AREAS
-  R&D BITUMINOUS CONCRETE PAVEMENT, COMPLETE
-  EX. WALKWAY UNDER CONSTRUCTION
-  STRIP & STOCKPILE
-  R&D EXISTING TREE
-  TREE PROTECTION

NOTE: AREA WITHIN LIMIT OF WORK IS WITHIN THE 100 YEAR FLOOD ZONE (EL. 449)



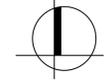

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Rev. 1.0 Date: 10/24/2019



- LEGEND**
- LIMIT OF WORK
 - 6' HT. CONSTRUCTION FENCE, TYP.
 - EROSION CONTROL, TYP.
 - STRAW WATTLE ON PAVEMENT SURFACES
 - COMPOST FILTER TUBES IN LANDSCAPE AREAS
 - STRIP & STOCKPILE
 - TREE PROTECTION

NOTE: AREA WITHIN LIMIT OF WORK IS WITHIN THE 100 YEAR FLOOD ZONE (EL. 449)



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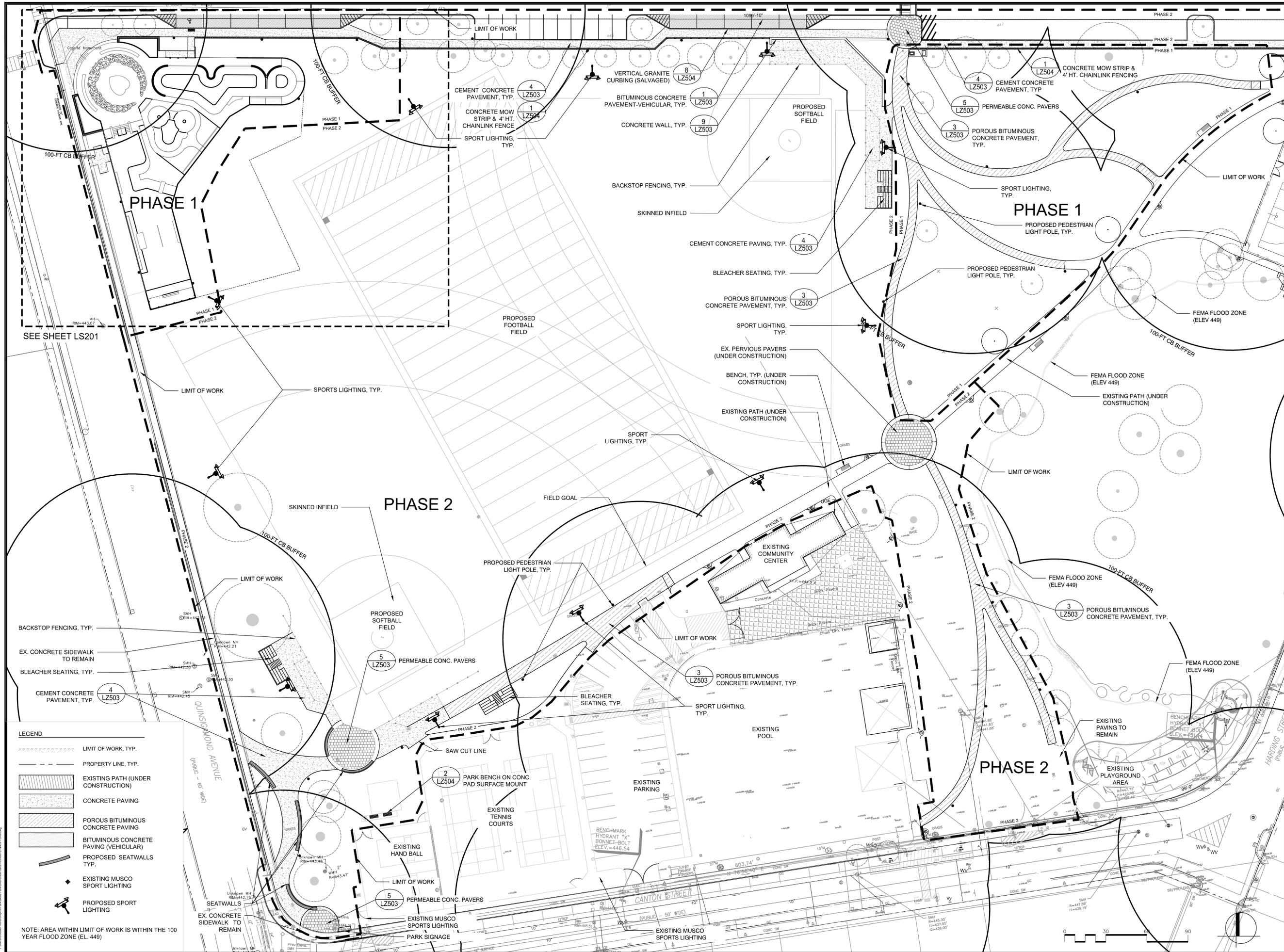


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SITE PREPARATION ENLARGEMENT PLAN

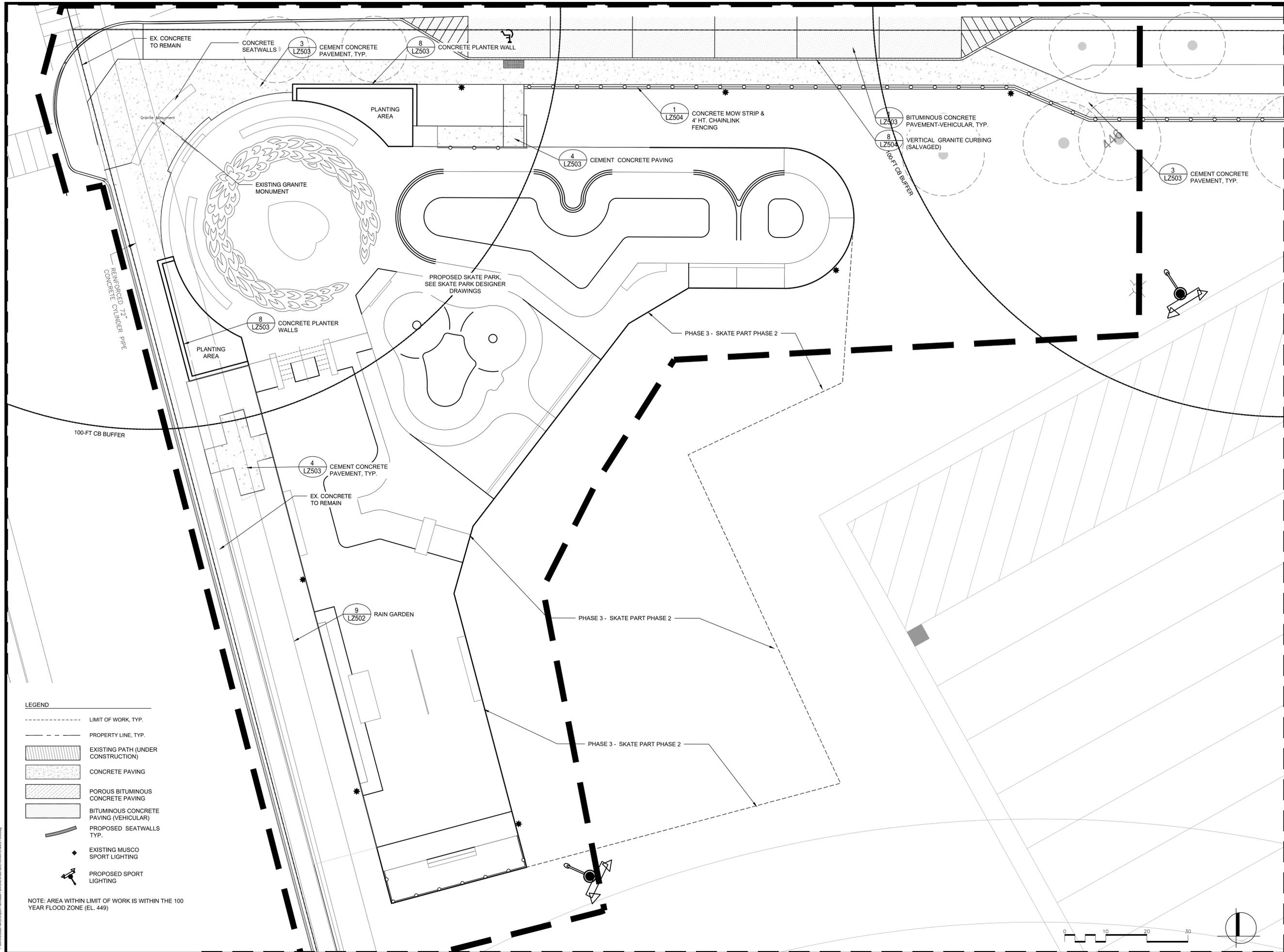
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LEGEND

- LIMIT OF WORK, TYP.
- PROPERTY LINE, TYP.
- EXISTING PATH (UNDER CONSTRUCTION)
- CONCRETE PAVING
- POROUS BITUMINOUS CONCRETE PAVING
- BITUMINOUS CONCRETE PAVING (VEHICULAR)
- PROPOSED SEATWALLS, TYP.
- EXISTING MUSCO SPORT LIGHTING
- PROPOSED SPORT LIGHTING

NOTE: AREA WITHIN LIMIT OF WORK IS WITHIN THE 100 YEAR FLOOD ZONE (EL. 449)



LEGEND

- LIMIT OF WORK, TYP.
- - - PROPERTY LINE, TYP.
- [Hatched Box] EXISTING PATH (UNDER CONSTRUCTION)
- [Dotted Box] CONCRETE PAVING
- [Cross-hatched Box] POROUS BITUMINOUS CONCRETE PAVING
- [Solid Box] BITUMINOUS CONCRETE PAVING (VEHICULAR)
- [Line with Dots] PROPOSED SEATWALLS TYP.
- [Star Symbol] EXISTING MUSCO SPORT LIGHTING
- [Arrow Symbol] PROPOSED SPORT LIGHTING

NOTE: AREA WITHIN LIMIT OF WORK IS WITHIN THE 100 YEAR FLOOD ZONE (EL. 449)

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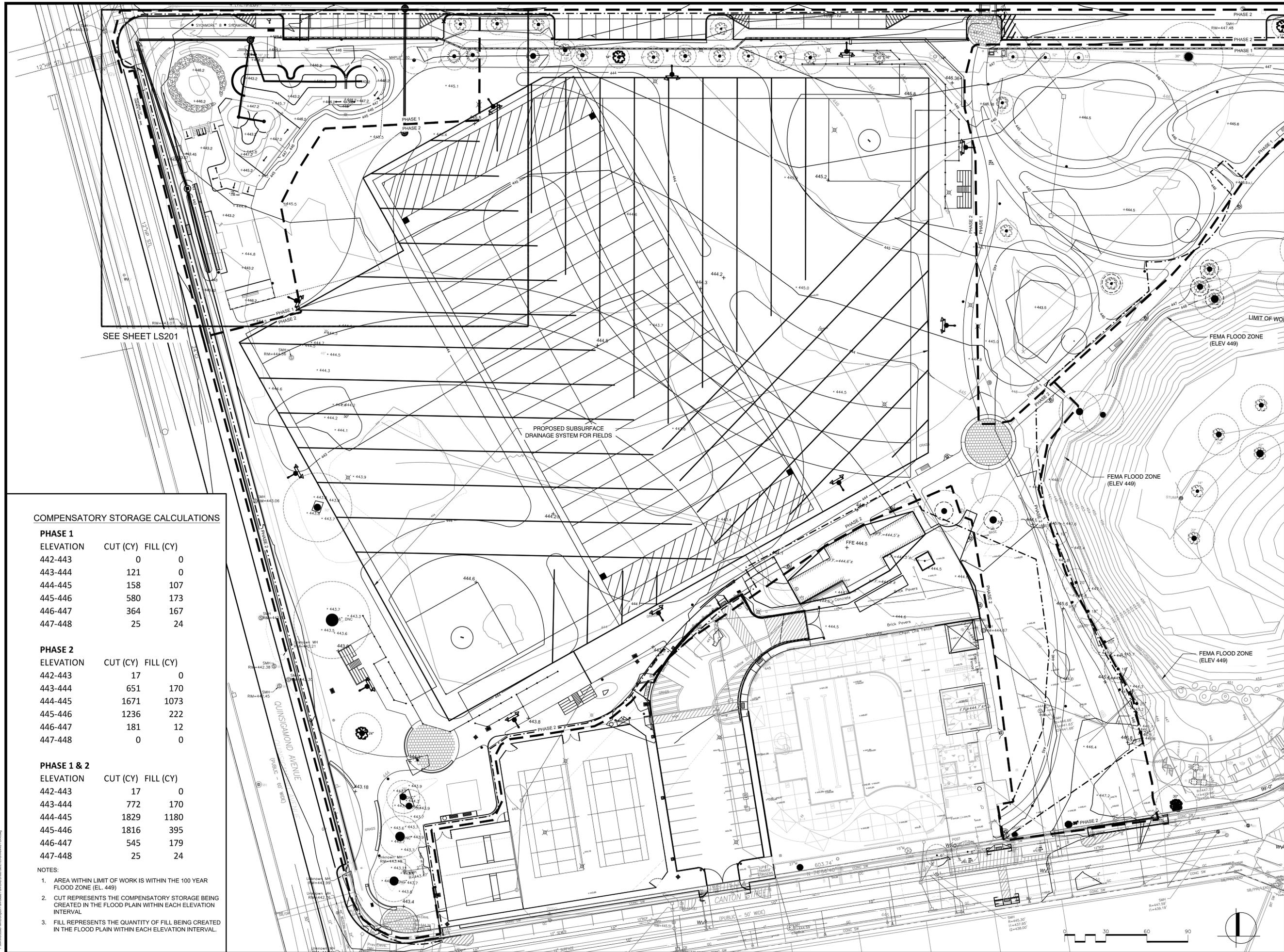
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MATERIALS ENLARGEMENT PLAN

Sheet Number:
LS201



SEE SHEET LS201

PROPOSED SUBSURFACE DRAINAGE SYSTEM FOR FIELDS

FEMA FLOOD ZONE (ELEV 449)

FEMA FLOOD ZONE (ELEV 449)

FEMA FLOOD ZONE (ELEV 449)

COMPENSATORY STORAGE CALCULATIONS

PHASE 1

ELEVATION	CUT (CY)	FILL (CY)
442-443	0	0
443-444	121	0
444-445	158	107
445-446	580	173
446-447	364	167
447-448	25	24

PHASE 2

ELEVATION	CUT (CY)	FILL (CY)
442-443	17	0
443-444	651	170
444-445	1671	1073
445-446	1236	222
446-447	181	12
447-448	0	0

PHASE 1 & 2

ELEVATION	CUT (CY)	FILL (CY)
442-443	17	0
443-444	772	170
444-445	1829	1180
445-446	1816	395
446-447	545	179
447-448	25	24

- NOTES:**
1. AREA WITHIN LIMIT OF WORK IS WITHIN THE 100 YEAR FLOOD ZONE (EL. 449).
 2. CUT REPRESENTS THE COMPENSATORY STORAGE BEING CREATED IN THE FLOOD PLAIN WITHIN EACH ELEVATION INTERVAL.
 3. FILL REPRESENTS THE QUANTITY OF FILL BEING CREATED IN THE FLOOD PLAIN WITHIN EACH ELEVATION INTERVAL.

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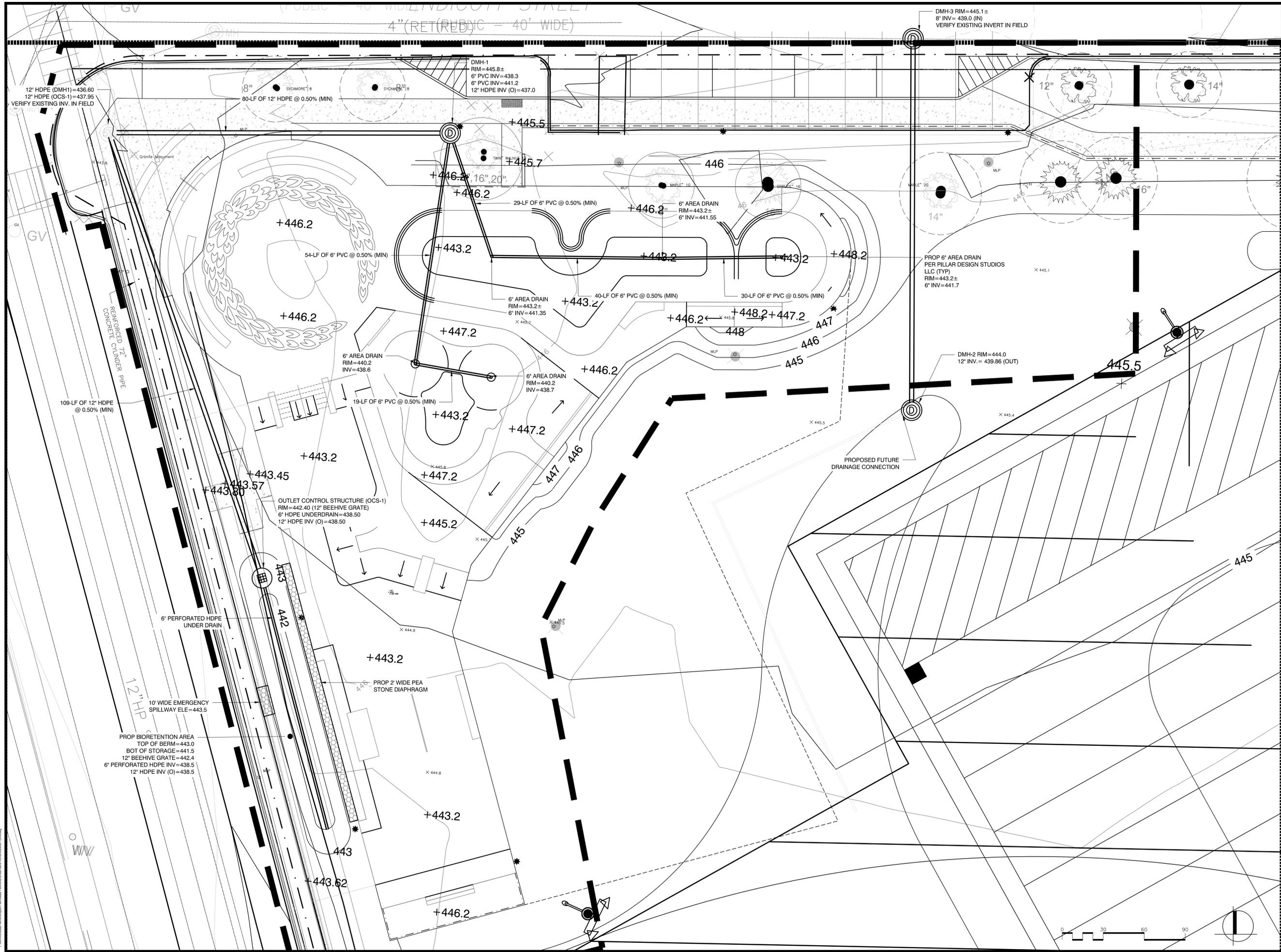
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Drawing Title:
**GRADING &
 DRAINAGE
 ENLARGEMENT
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SEE SHEET LP201

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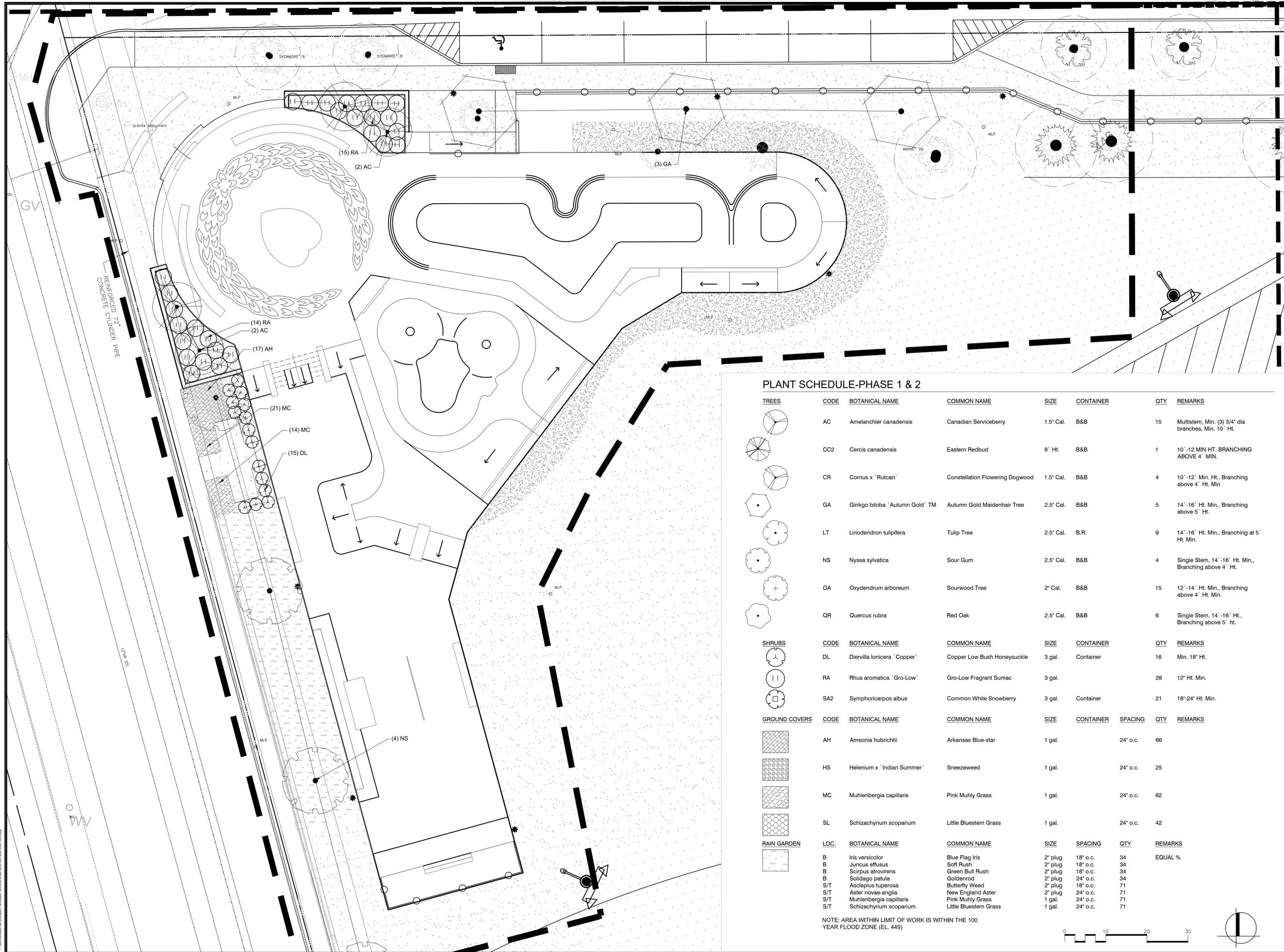
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PLANTING PLAN

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**PLANTING
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 PLAN**

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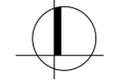
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PLANT SCHEDULE-PHASE 1 & 2

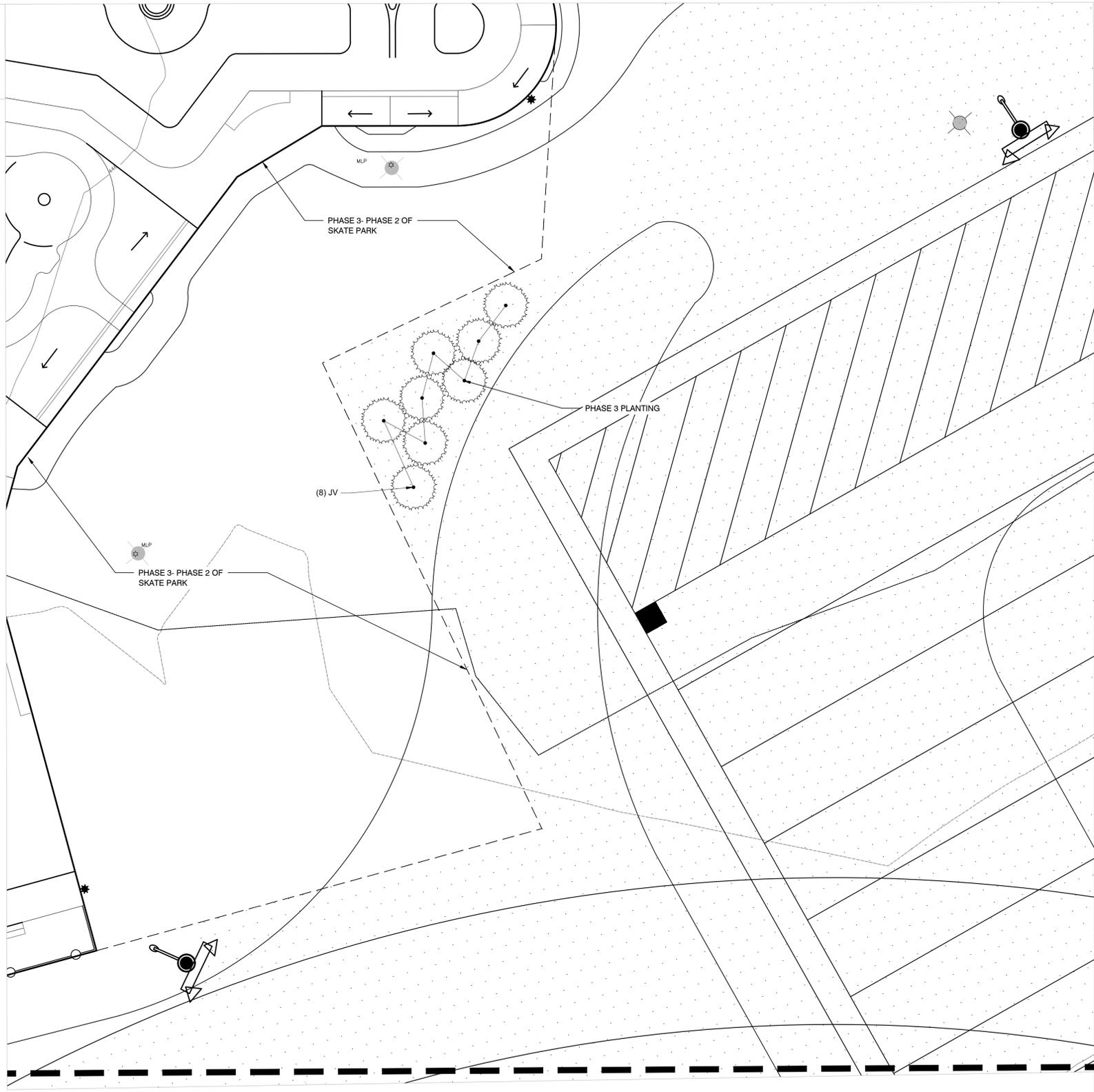
TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	REMARKS	
	AC	Amelanchier canadensis	Canadian Serviceberry	1.5" Cal.	B&B	15	Multistem, Min. (3) 3/4" dia branches, Min. 10' Ht.	
	CC2	Cercis canadensis	Eastern Redbud	6' Ht.	B&B	1	10'-12' MIN HT. BRANCHING ABOVE 4' MIN.	
	CR	Cornus x 'Rutcan'	Constellation Flowering Dogwood	1.5" Cal.	B&B	4	10'-12' Min. Ht., Branching above 4' Ht. Min	
	GA	Ginkgo biloba 'Autumn Gold'™	Autumn Gold Maidenhair Tree	2.5" Cal.	B&B	5	14'-16" Ht. Min., Branching above 5' Ht.	
	LT	Liriodendron tulipifera	Tulip Tree	2.5" Cal.	B.R.	9	14'-16" Ht. Min., Branching at 5' Ht. Min.	
	NS	Nyssa sylvatica	Sour Gum	2.5" Cal.	B&B	4	Single Stem, 14'-16" Ht. Min., Branching above 4' Ht.	
	OA	Oxydendrum arboreum	Sourwood Tree	2" Cal.	B&B	15	12'-14" Ht. Min., Branching above 4' Ht. Min.	
	QR	Quercus rubra	Red Oak	2.5" Cal.	B&B	6	Single Stem, 14'-16" Ht., Branching above 5' ht.	
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	REMARKS	
	DL	Diervilla lonicera 'Copper'	Copper Low Bush Honeysuckle	3 gal.	Container	16	Min. 18" Ht.	
	RA	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	3 gal.		28	12" Ht. Min.	
	SA2	Symphoricarpos albus	Common White Snowberry	3 gal.	Container	21	18"-24" Ht. Min.	
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	QTY	REMARKS
	AH	Amsonia hubrichtii	Arkansas Blue-star	1 gal.		24" o.c.	66	
	HS	Helenium x 'Indian Summer'	Sneezeweed	1 gal.		24" o.c.	25	
	MC	Muhlenbergia capillaris	Pink Muhly Grass	1 gal.		24" o.c.	62	
	SL	Schizachyrium scoparium	Little Bluestem Grass	1 gal.		24" o.c.	42	
RAIN GARDEN	LOC.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	REMARKS	
	B	Iris versicolor	Blue Flag Iris	2" plug	18" o.c.	34	EQUAL %	
	B	Juncus effusus	Soft Rush	2" plug	18" o.c.	34		
	B	Scirpus atrovirens	Green Bull Rush	2" plug	18" o.c.	34		
	B	Solidago patula	Goldenrod	2" plug	24" o.c.	34		
	S/T	Asclepius tuberosa	Butterfly Weed	2" plug	18" o.c.	71		
	S/T	Aster novae-angliae	New England Aster	2" plug	24" o.c.	71		
	S/T	Muhlenbergia capillaris	Pink Muhly Grass	1 gal.	24" o.c.	71		
	S/T	Schizachyrium scoparium	Little Bluestem Grass	1 gal.	24" o.c.	71		

NOTE: AREA WITHIN LIMIT OF WORK IS WITHIN THE 100 YEAR FLOOD ZONE (EL. 449)



PLANT SCHEDULE PHASE 3

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
	JV	8	Juniperus virginiana	Eastern Red Cedar	6' Ht.	B&B	



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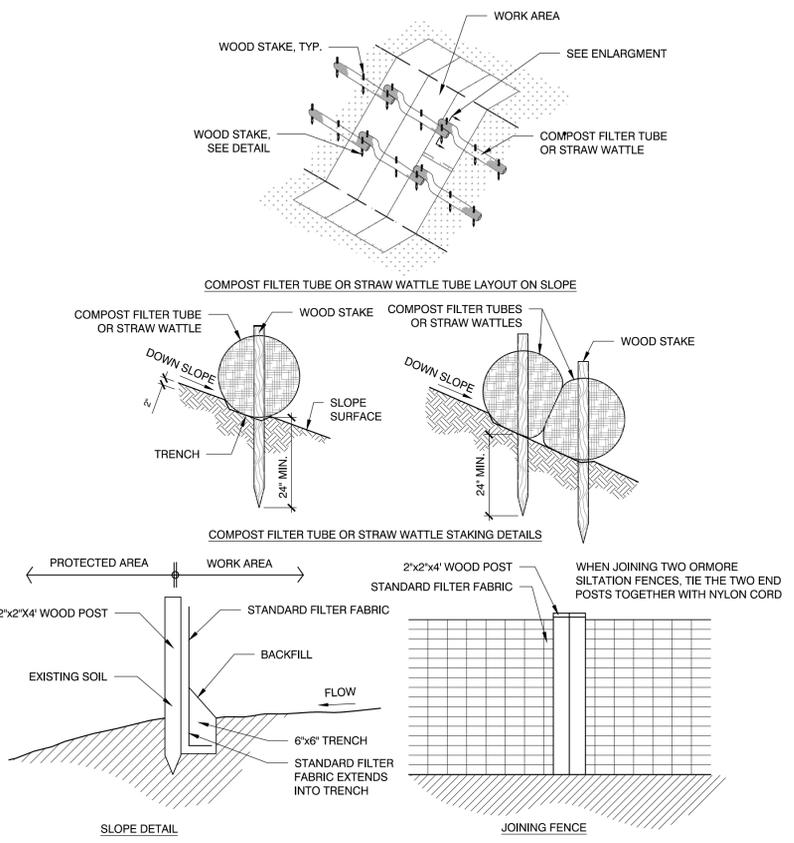
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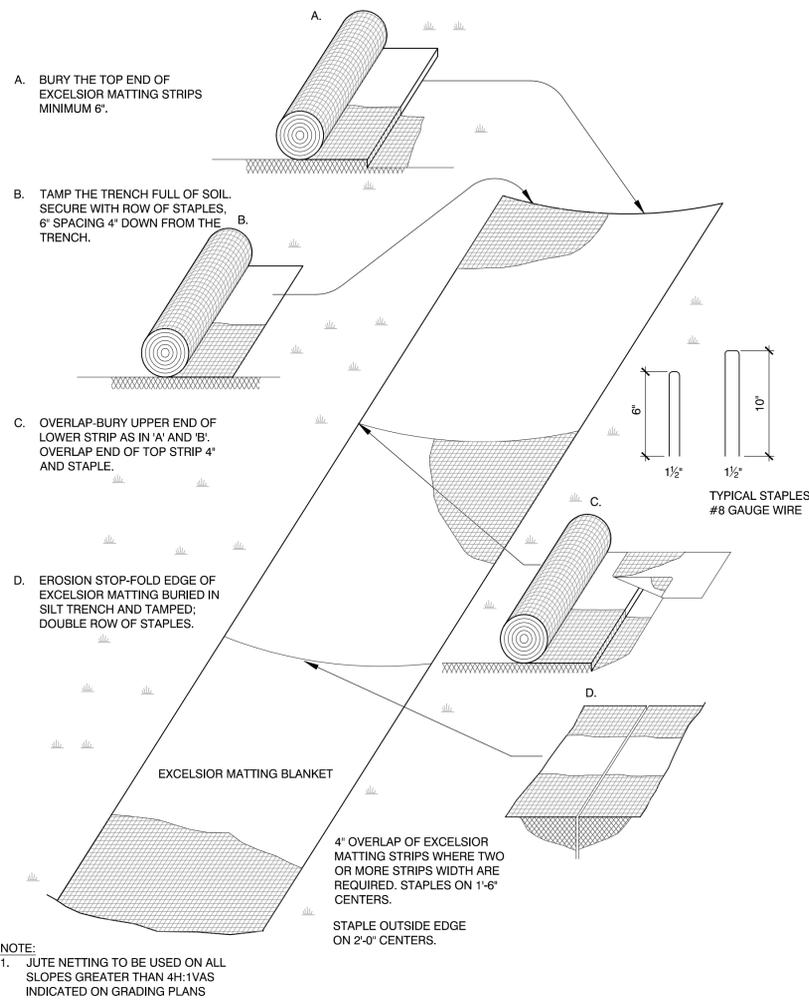
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**PLANTING
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 PLAN**

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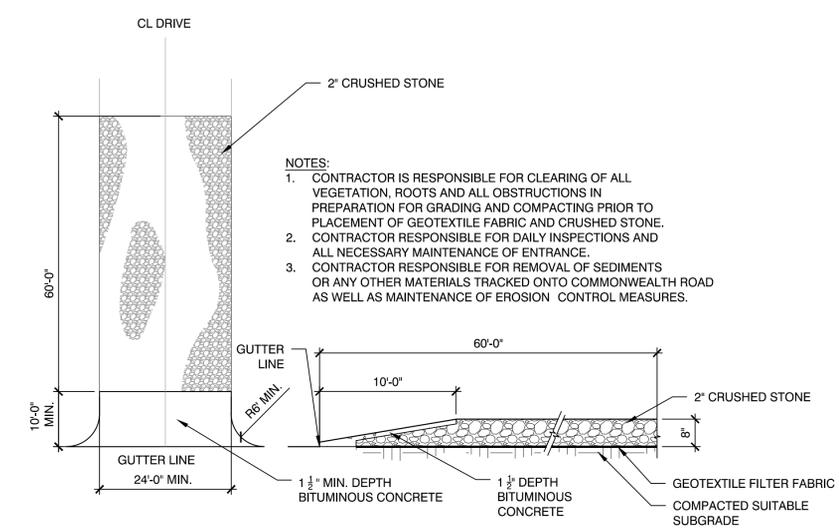
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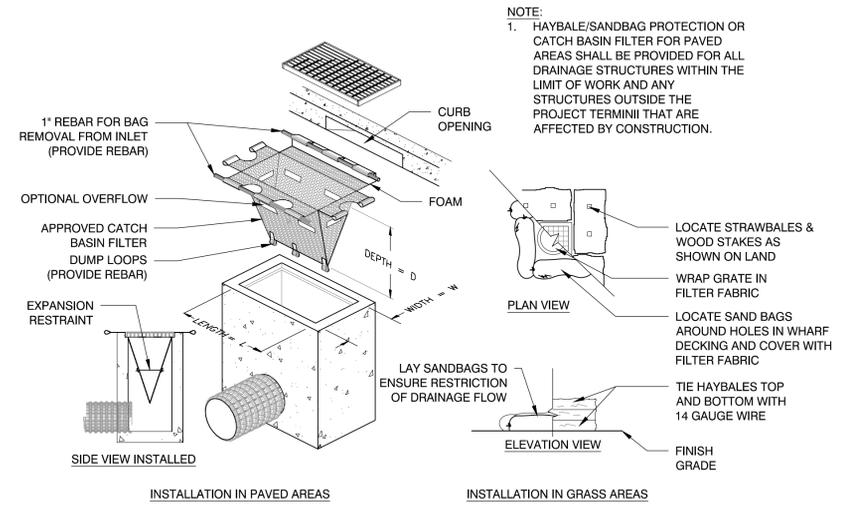
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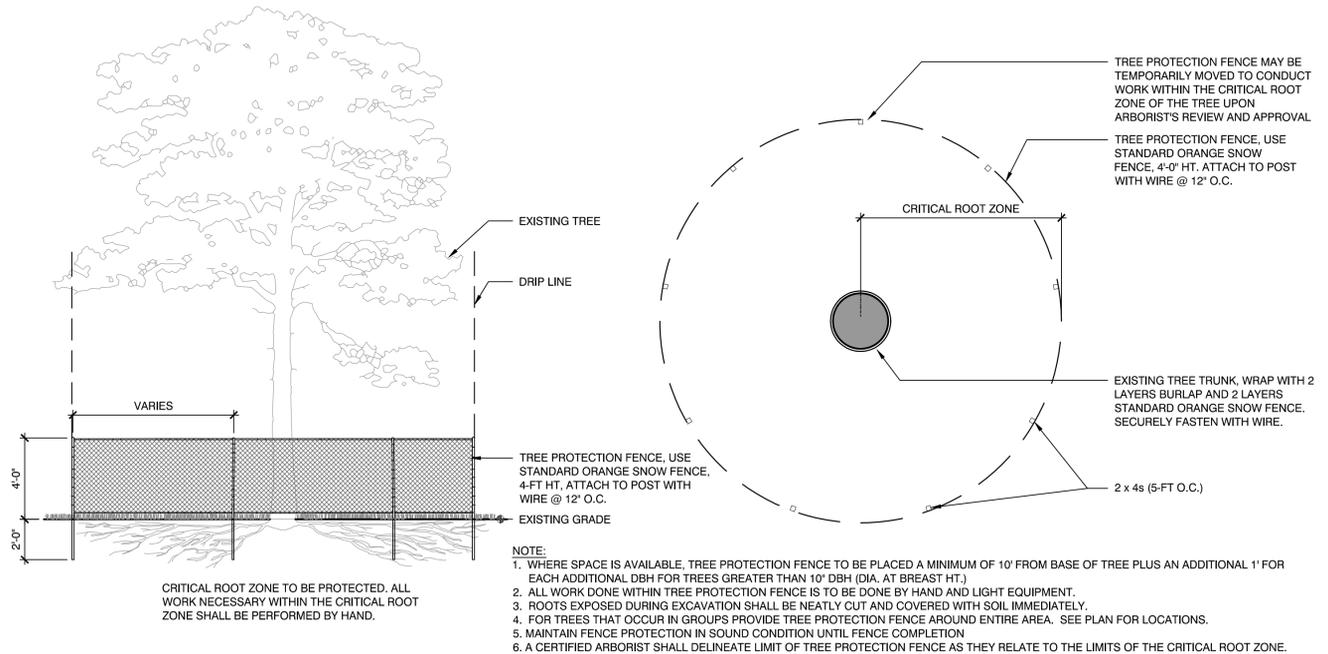
3 EROSION CONTROL BLANKET
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4 CONSTRUCTION ENTRANCE TRACTION PAD
 SCALE: N.T.S.



5 INLET SEDIMENT CONTROL
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2 TREE PROTECTION, TYP.
 SCALE: N.T.S.

Consultants:

Revisions:

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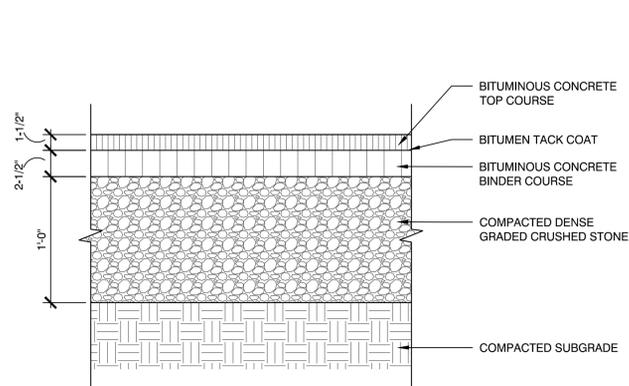
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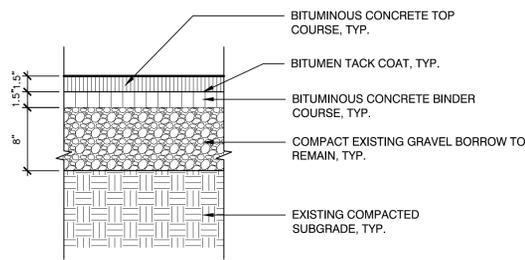
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SITE PREPARATION AND DEMOLITION DETAILS

Sheet Number:
LZ501
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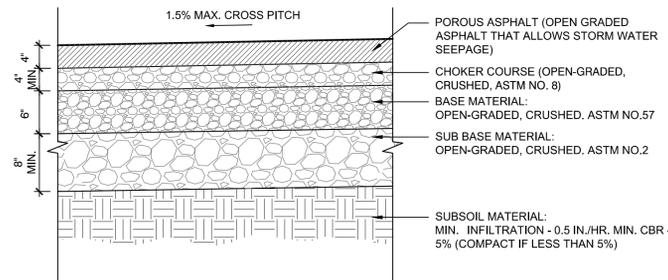
NOTES:
1. CONTRACTOR TO PROVIDE SMOOTH TRANSITION WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT.

1 BITUMINOUS CONCRETE PAVEMENT-VEHICULAR, TYP.
SCALE: N.T.S.



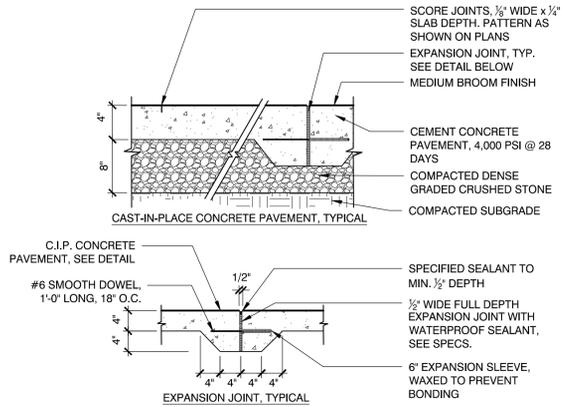
NOTE:
1. CONTRACTOR TO PROVIDE SMOOTH TRANSITION WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT, TYP.

2 BITUMINOUS CONCRETE PAVEMENT-PEDESTRIAN, TYP.
SCALE: N.T.S.



NOTES:
1. ALL AGGREGATE MATERIAL SHALL BE CRUSHED, ANGULAR STONE AND FREE OF FINES.
2. SURFACE LONGITUDINAL SLOPE SHALL BE A MINIMUM OF 1% AND A MAXIMUM OF 5%.
3. THE MINIMUM AGGREGATE THICKNESSES ARE AFTER COMPACTION.

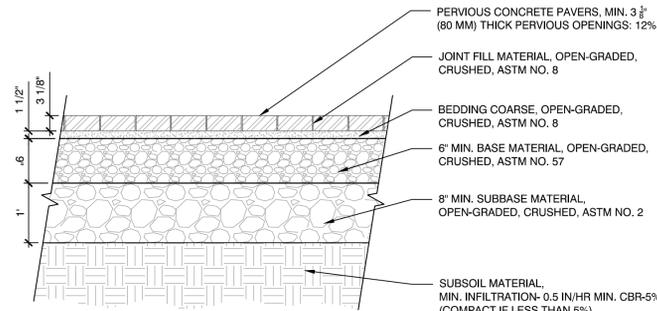
3 POROUS BITUMINOUS CONCRETE PAVEMENT
SCALE: N.T.S.



EXPANSION JOINT INSTALLATION NOTES:

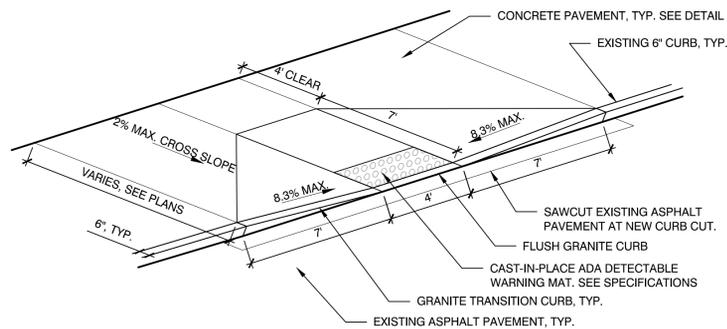
1. DOWEL IS TYPICAL AT ALL EXPANSION JOINTS (18" O.C.) WITHIN CONCRETE PAVING AND BETWEEN NEW CONCRETE PAVING AND EXISTING CONCRETE PAVING TO REMAIN.
2. DELETE EXPANSION SLEEVE AND DOWEL WHERE JOINT ABUTS WALL, CURBS, OR OTHER VERTICAL SURFACES, UNLESS OTHERWISE NOTED.
3. EXPANSION JOINTS MAX. 25" O.C. UNLESS SHOWN OTHERWISE.
4. EXPANSION JOINTS SHALL BE PLACED WHERE NEW CEMENT CONCRETE PAVEMENT MEETS EXISTING PAVEMENT OR WALLS TO REMAIN.
5. ALL EXPANSION JOINTS SHALL BE SAW CUT.

4 CEMENT CONCRETE PAVEMENT AND EXPANSION JOINT, TYP.
SCALE: N.T.S.



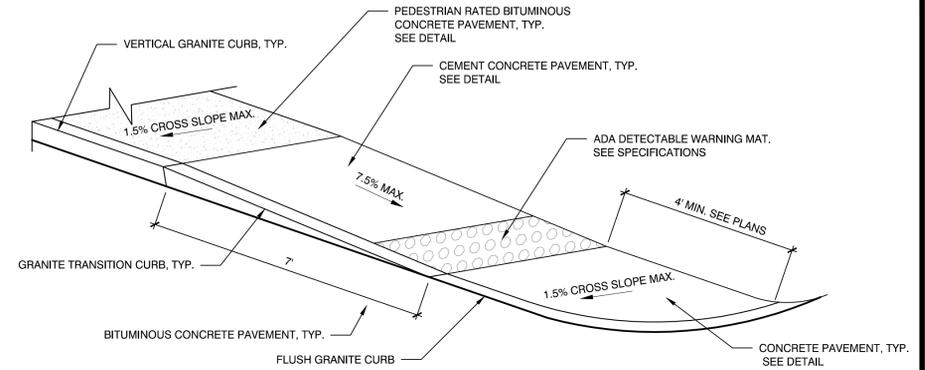
NOTES:
1. ALL AGGREGATE MATERIAL SHALL BE CRUSHED, ANGULAR STONE AND FREE OF FINES.
2. SURFACE LONGITUDINAL SLOPE SHALL BE A MINIMUM OF 1% AND MAXIMUM OF 5%.
3. MAINTAIN A MINIMUM DISTANCE OF 2' BETWEEN BOTTOM OF PERMEABLE BASE AND WATER TABLE.
4. THE MINIMUM AGGREGATE THICKNESS ARE AFTER COMPACTION.

5 PERMEABLE CONCRETE PAVERS
SCALE: N.T.S.



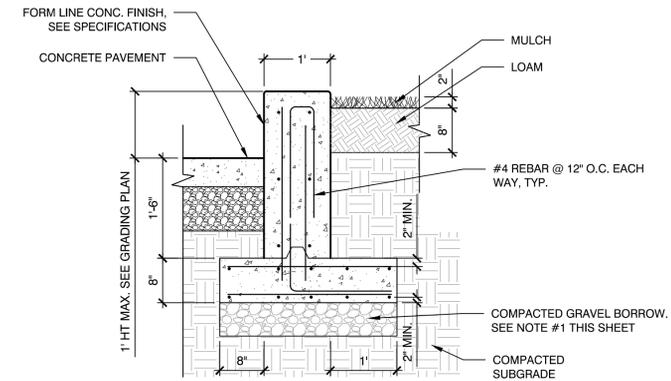
NOTES:
1. CONTRACTOR SHALL PROVIDE CLEAN AND STRAIGHT SAWCUT LINES AT LIMIT OF REMOVAL OF EXISTING ASPHALT PAVEMENT TO REMAIN. CONTRACTOR SHALL VERIFY LIMITS OF EXISTING ASPHALT PAVEMENT REMOVAL PRIOR TO COMMENCING DEMOLITION.
2. CONTRACTOR SHALL REMOVE AND REPLACE ASPHALT PAVEMENT, GRAVEL BORROW, AND SUBGRADE NECESSARY TO CONSTRUCT A CLEAN, SMOOTH TRANSITION AT ADA CURB CUT.

6 ADA CURB CUT - TYPE A, TYP. (RAISED GRANITE CURB)
SCALE: N.T.S.



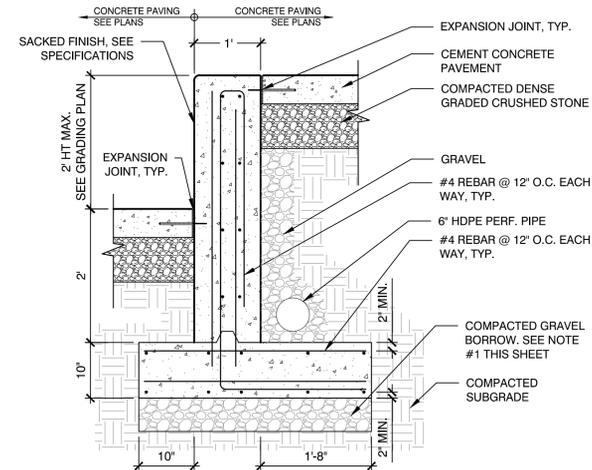
NOTES:
1. CONTRACTOR SHALL PROVIDE CLEAN AND STRAIGHT SAWCUT LINES AT LIMIT OF REMOVAL OF EXISTING BITUMINOUS CONCRETE PAVEMENT TO REMAIN AT ROADWAY. CONTRACTOR SHALL VERIFY LIMITS OF EXISTING ASPHALT PAVEMENT REMOVAL PRIOR TO COMMENCING DEMOLITION.
2. CONTRACTOR SHALL REMOVE AND REPLACE BITUMINOUS CONCRETE PAVEMENT, GRAVEL BORROW, AND SUBGRADE NECESSARY TO CONSTRUCT A CLEAN, SMOOTH TRANSITION AT ADA CURB CUT.

7 ADA CURB CUT - TYPE B, TYP. (GRANITE FLUSHED CURB)
SCALE: N.T.S.



NOTE #1:
IF EXISTING FILL IS ENCOUNTERS AT THE SUB-GRADE ELEVATION BELOW SHALLOW FOUNDATIONS, THE SUB-GRADE SHALL BE RE-COMPACTED AND A MINIMUM OF 2 FT. OF CRUSHED STONE WRAPPED IN A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED WITHIN THE ZONE-OF-INFLUENCE EXTENDING TWO FEET PAST THE EDGE OF THE SHALLOW FOUNDATIONS, AND EXTENDING DOWN AT A 1:1 SLOPE. THIS SHALL BE AT NO ADDITIONAL COST TO THE OWNER. SEE GEOTECHNICAL REPORT

8 CONCRETE PLANTER WALL, TYP.
SCALE: N.T.S.



NOTE #1:
IF EXISTING FILL IS ENCOUNTERS AT THE SUB-GRADE ELEVATION BELOW SHALLOW FOUNDATIONS, THE SUB-GRADE SHALL BE RE-COMPACTED AND A MINIMUM OF 2 FT. OF CRUSHED STONE WRAPPED IN A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED WITHIN THE ZONE-OF-INFLUENCE EXTENDING TWO FEET PAST THE EDGE OF THE SHALLOW FOUNDATIONS, AND EXTENDING DOWN AT A 1:1 SLOPE. THIS SHALL BE AT NO ADDITIONAL COST TO THE OWNER. SEE GEOTECHNICAL REPORT

9 CONCRETE RETAINING WALL
SCALE: N.T.S.



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Consultants:

Revisions:

No.	Date	Description

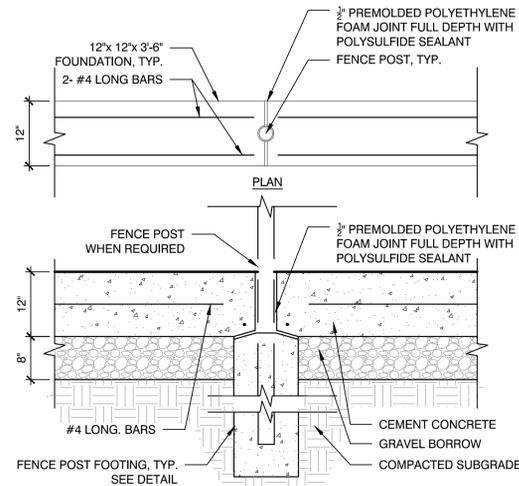
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Scale:
Date: 5/20/20
Drawn By: TZ
Reviewed By: ME
Approved By: TC
W&S Project No.: 2191014
W&S File No.:

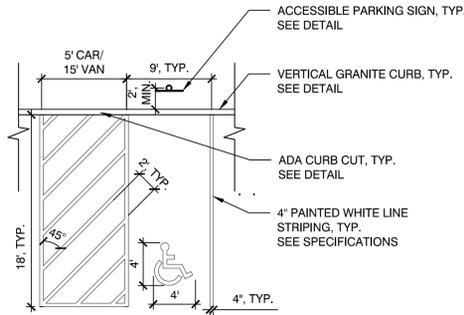
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Sheet Number:
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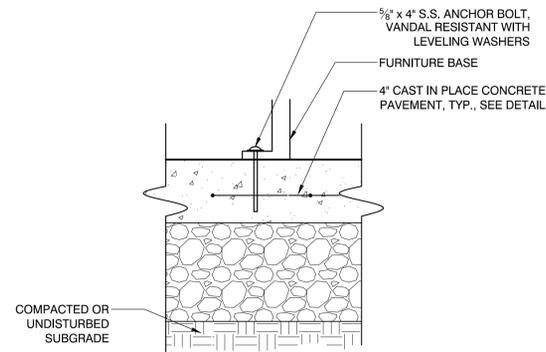


- CONCRETE MOW STRIP AT FENCE**
- NOTES:
- MOW STRIP CORNERS ADJACENT TO RESILIENT SURFACING SHALL BE SQUARE TO ENSURE SMOOTH INTERFACE BETWEEN MATERIALS.
 - MOW STRIP CORNERS ADJACENT TO PLANTING BED OR LAWN AREAS WILL HAVE 3/4" CHAMFER
 - CONTRACTOR SHALL PROVIDE 3/4" PREMOLDED POLYETHYLENE FOAM JOINT FULL DEPTH WITH SILICONE SEALANT EVERY 30' O.C. UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL USE EXTREME CAUTION AT ROOT ZONE OF EXISTING TREES TO REMAIN. CONTRACTOR SHALL CLEAN CUT ANY ROOTS OVER 2" DIA. THAT ARE EFFECTED BY THE SCOPE OF WORK. CONTRACTOR SHALL CONSULT ARBORIST PRIOR TO ANY ROOT REMOVAL.

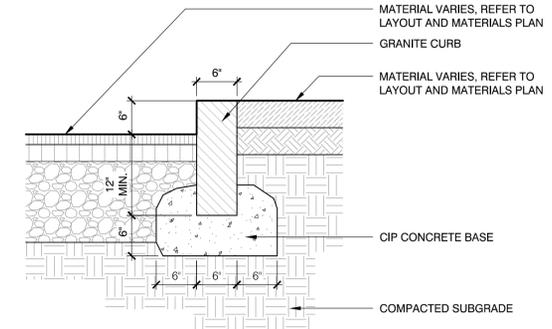
1 CONCRETE MOW STRIP, TYP.
SCALE: N.T.S.



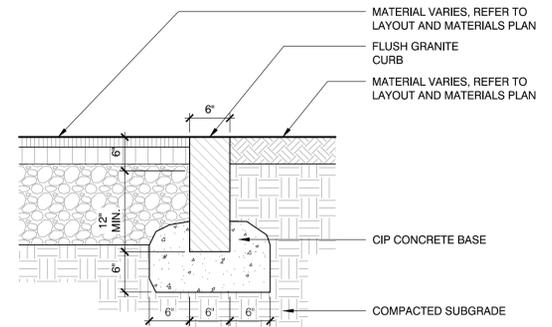
3 ACCESSIBLE PARKING SPACE MARKINGS
SCALE: N.T.S.



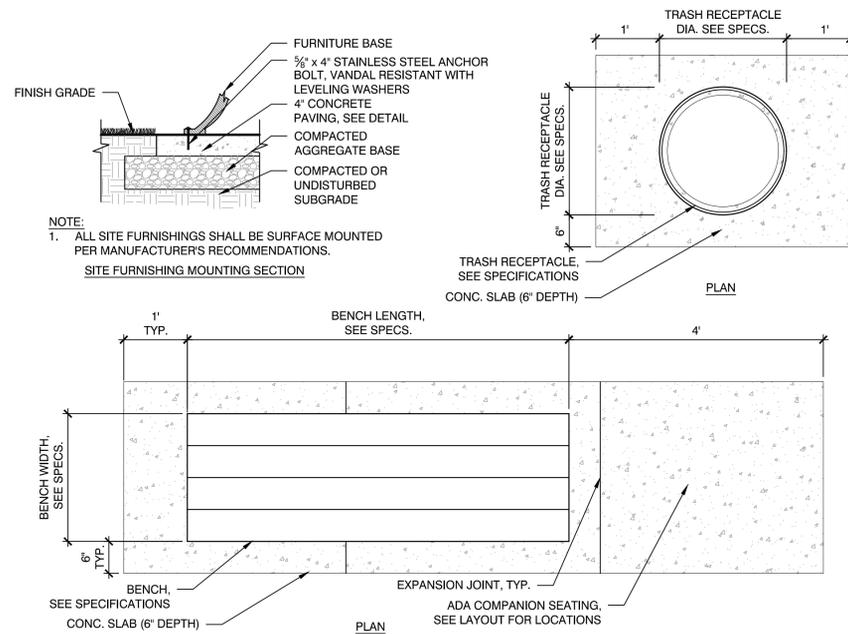
4 SITE AMENITIES SURFACE MOUNT, TYP.
SCALE: N.T.S.



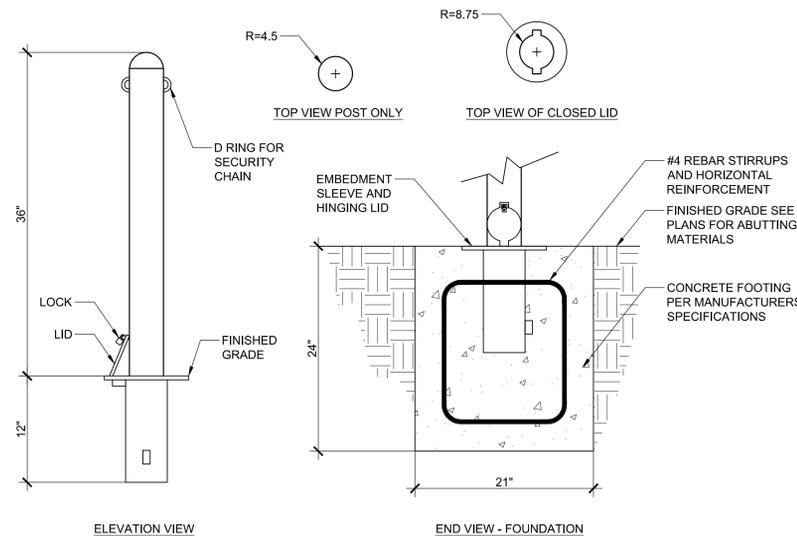
8 VERTICAL GRANITE CURB, TYP.
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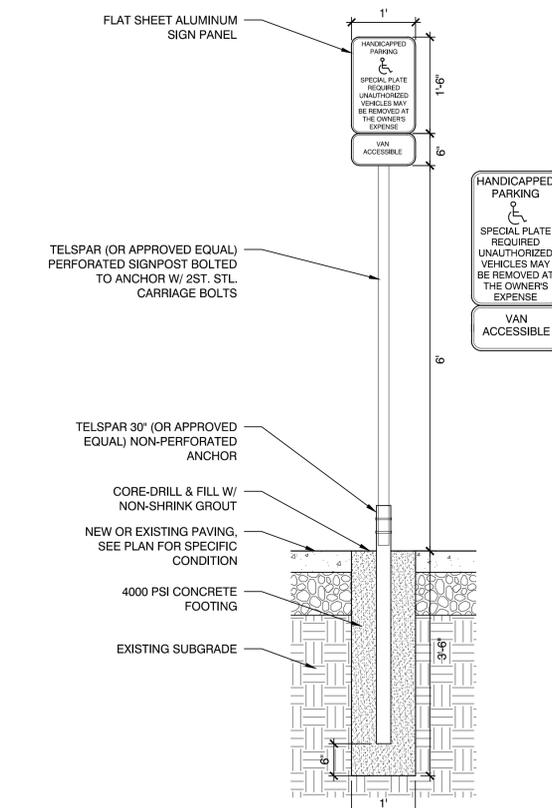
9 FLUSH GRANITE CURB, TYP.
SCALE: N.T.S.



2 PARK BENCH ON CONC. PAD SURFACE MOUNT
SCALE: N.T.S.



5 REMOVABLE BOLLARD, TYP.
SCALE: N.T.S.



6 ACCESSIBLE PARKING SPACE SIGN, TYP.
SCALE: N.T.S.

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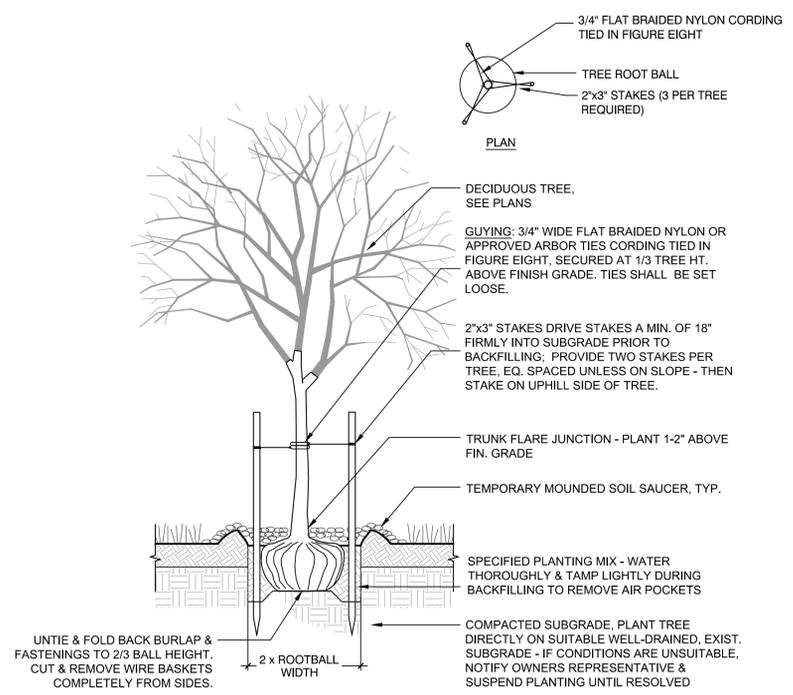
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**PLANTING
 DETAILS**

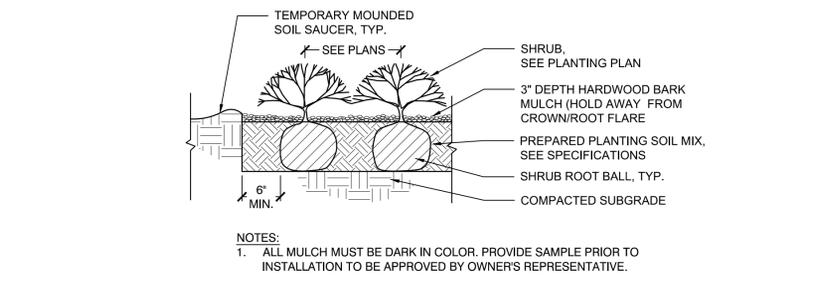
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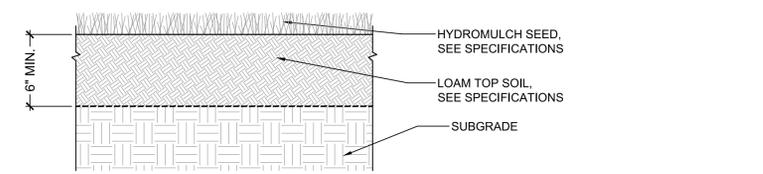
Rev. 1.0 Date: 10/24/2019



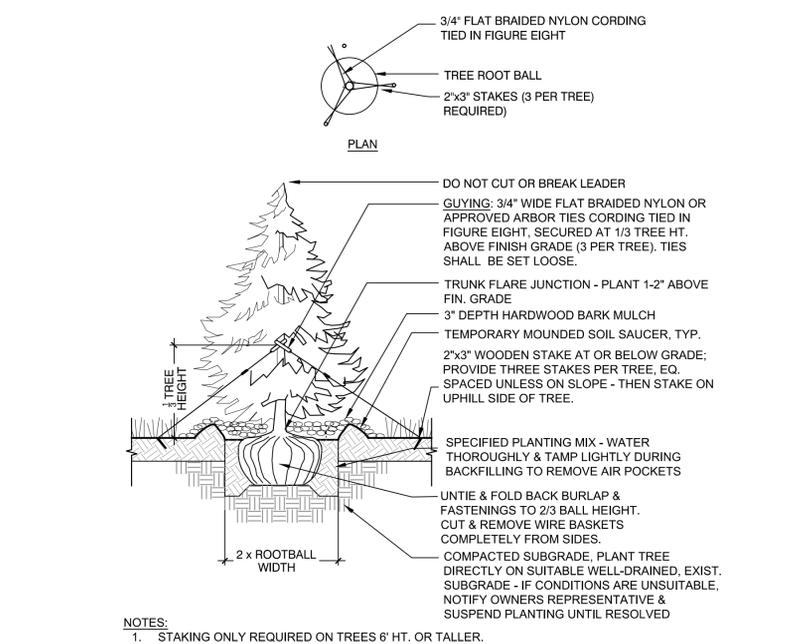
1 TREE STAKING AND PLANTING - SECTION
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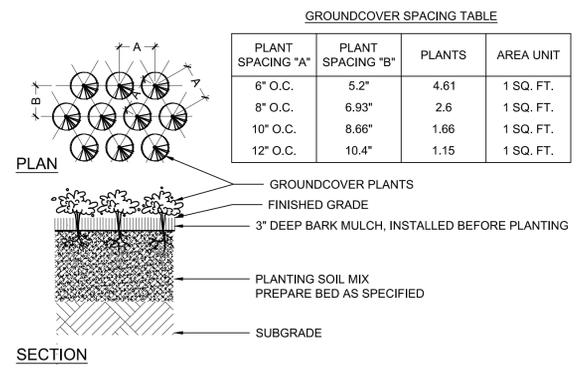
3 SHRUB PLANTING
 SCALE: N.T.S.



4 LOAM & SEED
 SCALE: N.T.S.



2 TREE STAKING AND PLANTING - EVERGREEN
 SCALE: N.T.S.



3 GROUND COVER/PLUG PLANTING
 SCALE: N.T.S.

NOTE:
 1. ALL GROUND COVER TO BE PLANTED IN TRIANGULAR PATTERN. SEE DETAIL PLAN AND GROUND COVER SPACING TABLE.
 2. JUTE EROSION CONTROL MAT TO BE USED ON ALL SLOPES GREATER THAN 3:1