

Playground Renovations at Elm Park

CITY OF WORCESTER, MASSACHUSETTS

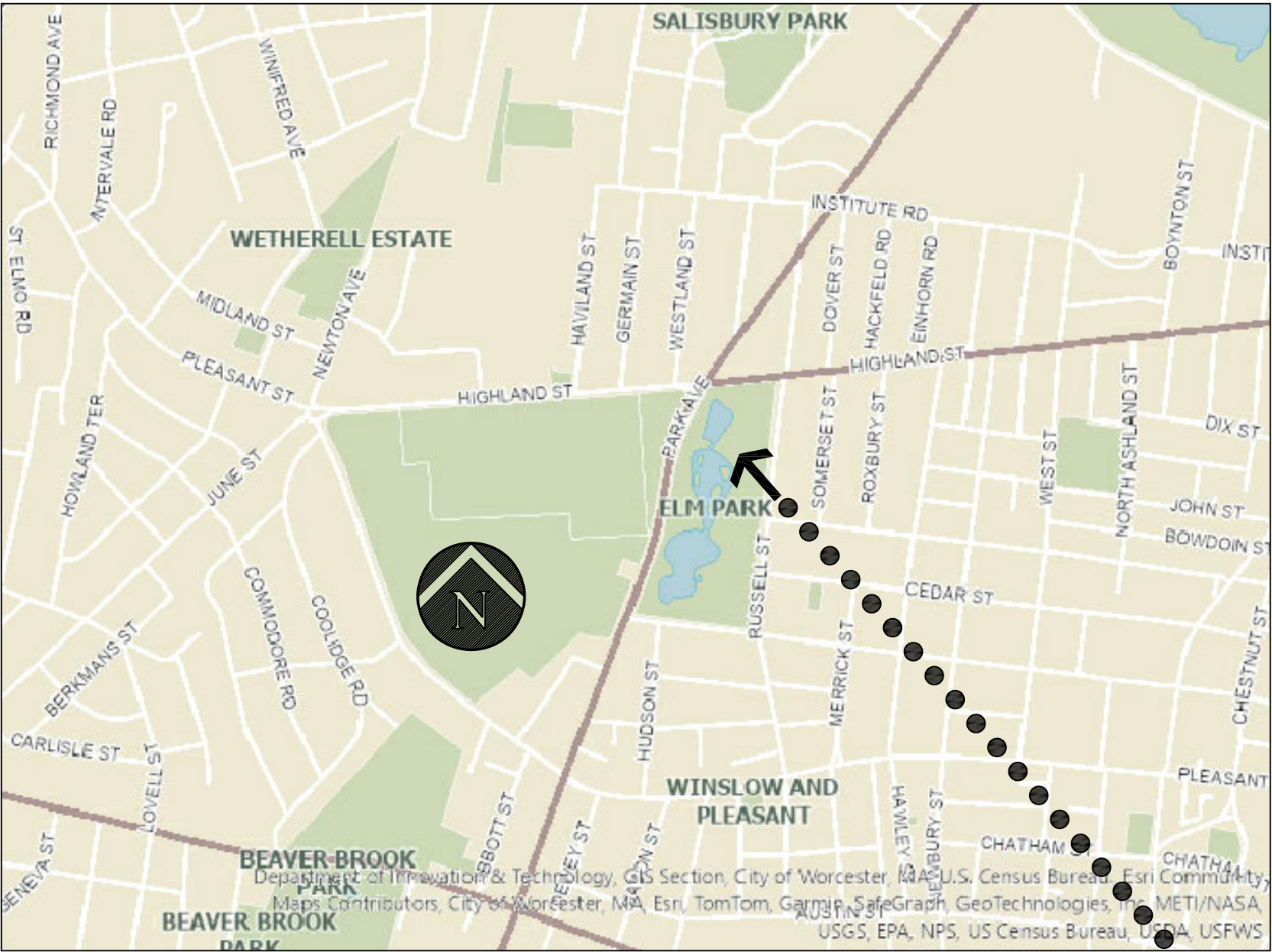
CONSTRUCTION DOCUMENTS

JANUARY 2025



Eric D. Batista
City Manager

Jarrett B. Conner
Interim Commissioner
Robert C. Antonelli, Jr.
Assistant Commissioner
Department of Public Works and Parks



Locus Map - No Scale

Index of Drawings

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- 1. GENERAL NOTES, SITE PREPARATION & AREA A RENOVATIONS
 - 2. AREAS B,C,D & E RENOVATIONS
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..... PROJECT SITE

EXISTING CONDITION NOTES:

1. COMPILATION OF EXISTING CONDITIONS FOR ELM PARK PLAYGROUND ARE BASED ON EXISTING SURVEY ON HAND AND CITY STAFF FIELD VERIFICATION AND MEASUREMENTS. PRIOR TO BIDDING THE PROJECT, THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS AND NOTIFY OWNER OF ANY DISCREPANCIES.

GENERAL NOTES:

1. LOCATIONS OF ANY UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES AND REPAIRING ANY DAMAGE DONE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE COORDINATION WITH UTILITY COMPANIES AND PUBLIC AGENCIES AND FOR OBTAINING ALL REQUIRED PERMITS AND PAYING ALL REQUIRED FEES. IN ACCORDANCE WITH M.G.L. CHAPTER 82, SECTION 40, INCLUDING AMENDMENTS, CONTRACTORS SHALL NOTIFY ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING PRIOR TO EXCAVATION. CONTRACTOR SHALL ALSO CALL "DIG SAFE" AT (888) 344-7233 NO LESS THAN 72 HOURS, (EXCLUSIVE OF WEEKENDS AND HOLIDAYS), PRIOR TO SUCH EXCAVATION. DOCUMENTATION OF REQUESTS SHALL BE PROVIDED TO PROJECT REPRESENTATIVE PRIOR TO EXCAVATION WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND REVIEWING THE ABOVE NOTED DRAWINGS AND ASSUMES RESPONSIBILITY OF VERIFYING ALL EXISTING CONDITIONS AND MATERIALS SHOWN WITHIN THE PROJECT CONTRACT LIMITS BEFORE BIDDING. ITEMS ENCOUNTERED IN AREAS OF EXCAVATION THAT ARE NOT INDICATED ON THE DRAWINGS, BUT ARE VISIBLE ON SURFACE, SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
3. ANY DISCREPANCIES OR CONFLICTS BETWEEN THE DRAWINGS AND EXISTING CONDITIONS, EXISTING CONDITIONS TO REMAIN, TEMPORARY CONSTRUCTION, PERMANENT CONSTRUCTION AND WORK OF ADJACENT CONTRACTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE PROCEEDING.
4. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS OUTSIDE THE PROJECT TERMINII, SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO AND TO THE SATISFACTION THE OWNER.
5. THE CONTRACTOR SHALL PROVIDE SUFFICIENT CARE, INCLUDING BUT NOT LIMITED TO, THE ERECTION OF TEMPORARY WALKS, STRUCTURES, PROTECTIVE BARRIERS, COVERING, OR FENCES AS NEEDED FOR THE PROTECTION OF EXISTING ITEMS TO REMAIN AND FOR THE SAFETY OF THE GENERAL PUBLIC AND PERSONNEL.
6. FILLING OF EXCAVATED AREAS SHALL NOT TAKE PLACE WITHOUT THE PRESENCE OR PERMISSION OF THE OWNER.
7. EXISTING TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. NO STOCKPILING OF MATERIAL, EQUIPMENT OR VEHICULAR TRAFFIC SHALL BE ALLOWED WITHIN THE DRIP LINE OF TREES TO REMAIN. NO GUYS SHALL BE ATTACHED TO ANY TREE TO REMAIN. WHEN NECESSARY OR AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL ERECT TEMPORARY BARRIERS FOR THE PROTECTION OF EXISTING TREES DURING CONSTRUCTION.
8. ANY QUANTITIES INDICATED ON PLANS AND SPECIFICATIONS ARE FOR COMPARATIVE BIDDING PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE PROJECT SITE TO VERIFY ALL QUANTITIES AND CONDITIONS PRIOR TO SUBMITTING BID.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF EXCAVATION AND DEMOLITION REQUIRED TO RECEIVE SITE IMPROVEMENTS.
10. THE LAYOUT OF ALL WALKWAYS AND THE GRADING OF ALL SLOPES AND CROSS SLOPES SHALL CONFORM TO THE COMMONWEALTH OF MASSACHUSETTS RULES AND REGULATIONS FOR HANDICAP ACCESS CMR 521, AND THE AMERICANS WITH DISABILITIES ACT (ADA), TITLE 3. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE REQUIRED.
11. ALL EXISTING DRAINAGE FACILITIES TO REMAIN SHALL BE MAINTAINED FREE OF DEBRIS, SOIL, SEDIMENT, AND FOREIGN MATERIAL AND OPERATIONAL THROUGHOUT THE LIFE OF THE CONTRACT. REMOVE ALL SOIL, SEDIMENT, DEBRIS AND FOREIGN MATERIAL FROM ALL DRAINAGE STRUCTURES, INCLUDING BUT NOT LIMITED TO, DRAINAGE INLETS, MANHOLES AND CATCH BASINS WITHIN THE LIMIT OF WORK AND DRAINAGE STRUCTURES OUTSIDE THE LIMIT OF WORK THAT ARE IMPACTED BY THE WORK FOR THE ENTIRE DURATION OF CONSTRUCTION.
12. CONTRACTOR'S STAGING AREA MUST BE WITHIN THE CONTRACT LIMIT LINE. ANY OTHER AREAS THAT THE CONTRACTOR MAY WISH TO USE FOR STAGING MUST BE COORDINATED WITH THE OWNER.

EROSION AND SEDIMENT CONTROL NOTES:

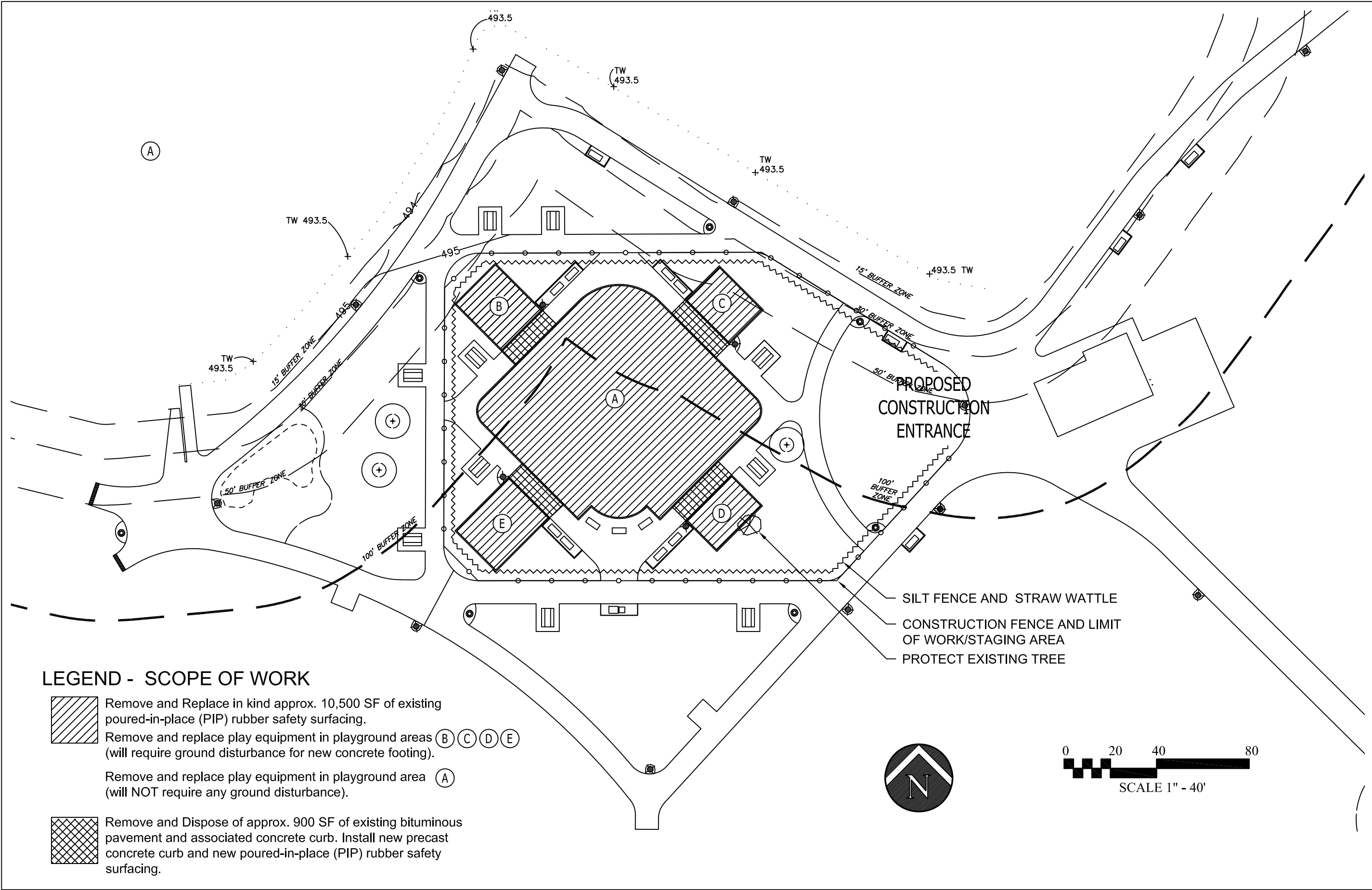
1. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE PUT INTO PLACE PRIOR TO BEGINNING ANY CONSTRUCTION OR DEMOLITION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUAL MAINTENANCE OF ALL CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT.
3. CONTRACTOR SHALL MEET ALL OF THE STATE OF MASSACHUSETTS D.E.P. AND THE CITY OF WORCESTER, WETLAND ORDINANCE REGULATIONS FOR SEDIMENT AND EROSION CONTROL.
4. EXCAVATED MATERIAL STOCKPILED ON THE SITE SHALL BE SURROUNDED BY A RING OF UNBROKEN SEDIMENTS EROSION CONTROL FENCE. THE LIMITS OF ALL GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE APPROVED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THE LIMIT OF CONTRACT SHALL REMAIN TOTALLY UNDISTURBED.
5. ALL CATCH BASINS AND DRAIN GRATES WITHIN LIMIT OF CONTRACT SHALL BE PROTECTED WITH FILTER FABRIC, HAY BALES OR A CRUSHED STONE BERM DURING THE ENTIRE DURATION OF CONSTRUCTION.

DEMOLITION AND EXCAVATION NOTES:

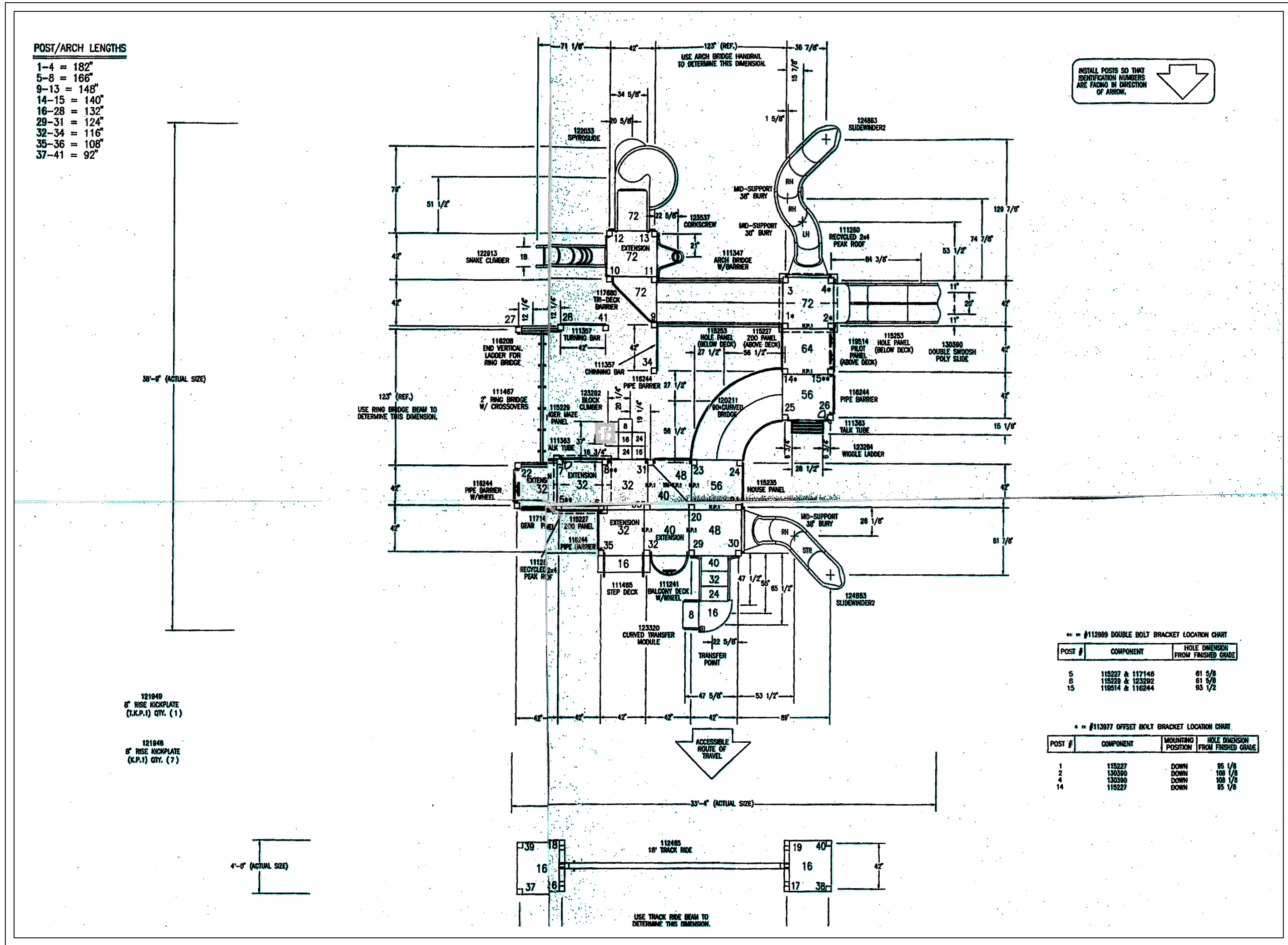
1. THE CONTRACTOR SHALL INCLUDE IN THIS BID THE COST OF REMOVING ANY PORTION OF EXISTING SITE IMPROVEMENTS ANS APPURTENANCES NECESSARY TO ACCOMPLISH THE CONSTRUCTION OF THE PROPOSED SITE IMPROVEMENTS. THE CONTRACTOR SHALL ALSO INCLUDE IN THE BID THE COST NECESSARY TO RESTORE SUCH ITEMS IF THEY ARE SCHEDULED TO REMAIN AS PART OF THE FINAL SITE IMPROVEMENTS. REFER TO PLANS TO DETERMINE EXCAVATION AND DEMOLITION REQUIRED TO RECEIVE PROPOSED SITE IMPROVEMENTS AND TO DETERMINE THE EXACT LOCATION OF PROPOSED SITE IMPROVEMENTS.
2. THE OWNER RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE.
3. ALL MATERIALS AND STRUCTURES REMOVED AND HAULED FROM THE SITE SHALL BE DISPOSED OF IN A LEGAL MANNER.
4. CONTRACTOR SHALL PROVIDE SUFFICIENT CARE, INCLUDING THE ERECTION OF APPROVED PROTECTIVE BARRIERS DURING DEMOLITION AROUND THE EXISTING SITE IMPROVEMENTS AND PLANT MATERIALS TO REMAIN.
5. DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL TAKE CARE TO MINIMIZE OR NOT DISTURB EXISTING MATERIALS TO REMAIN OR BE PROTECTED, WITHIN OR OUTSIDE THE LIMITS OF WORK, EXCAVATION AND BACKFILL AND SHALL TAKE WHATEVER MEASURES NECESSARY, AT THE CONTRACTOR'S EXPENSE, TO PREVENT ANY EXCAVATED MATERIAL FROM COLLAPSING. ALL BACKFILL MATERIALS SHALL BE PLACED AND COMPACTED AS SPECIFIED TO THE SUBGRADE REQUIRED FOR THE INSTALLATION OF THE REMAINDER OF THE CONTRACT WORK.
6. IT SHALL BE THE CONTRACTOR'S OPTION TO REUSE EXISTING GRAVEL PAVEMENT BASE COURSE IF IT MEETS THE REQUIREMENTS OF THE SPECIFICATIONS FOR GRAVEL BORROW. ALL MATERIALS NOT APPROVED OR SCHEDULED FOR REUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER AT NO COST TO THE OWNER.
7. ALL MATERIALS NOT APPROVED OR SCHEDULED FOR REUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER AT NO COST TO THE OWNER.

LAYOUT AND MATERIALS NOTES:

1. CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS AND COORDINATE REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.
2. ALL LINE AND GRADE WORK AS PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A REGISTERED CIVIL ENGINEER OR LICENSED SURVEYOR ENGAGED BY THE GENERAL CONTRACTOR.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCY BETWEEN THE PLAN AND THE ACTUAL FIELD CONDITIONS TO THE OWNER.
4. STORAGE AREAS FOR THE CONTRACTOR'S EQUIPMENT AND MATERIAL SHALL BE LOCATED WITHIN THE LIMITS OF WORK OR AS APPROVED BY THE OWNER.
5. WHERE NEW PAVING MEETS EXISTING PAVING, MEET SAWCUT LINE AND GRADE OF EXISTING WITH NEW CONSTRUCTION.
6. WHERE NEW EARTHWORK MEETS EXISTING EARTHWORK, SMOOTHLY LINE AND GRADE OF EXISTING WITH NEW.
7. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY OF WORCESTER PARKS DEPARTMENT, THE DEPARTMENT OF PUBLIC WORKS AND THE POLICE DEPARTMENT'S COMMUNICATION GROUP.
8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER.



Overall Site Demolition and Preparation Plan



Existing Composite Playground Equipment at Area A - For Illustrative Purposes Only - Refer to Specification for Renovations - No Scale

REMARKS

Scale: As Noted

CO-SPONSER

DRAWN BY: CLV

CHECKED BY: CLV

OWNER:

CITY OF WORCESTER



EXECUTIVE OFFICE OF
THE CITY MANAGER
CITY HALL
WORCESTER,
MASSACHUSETTS

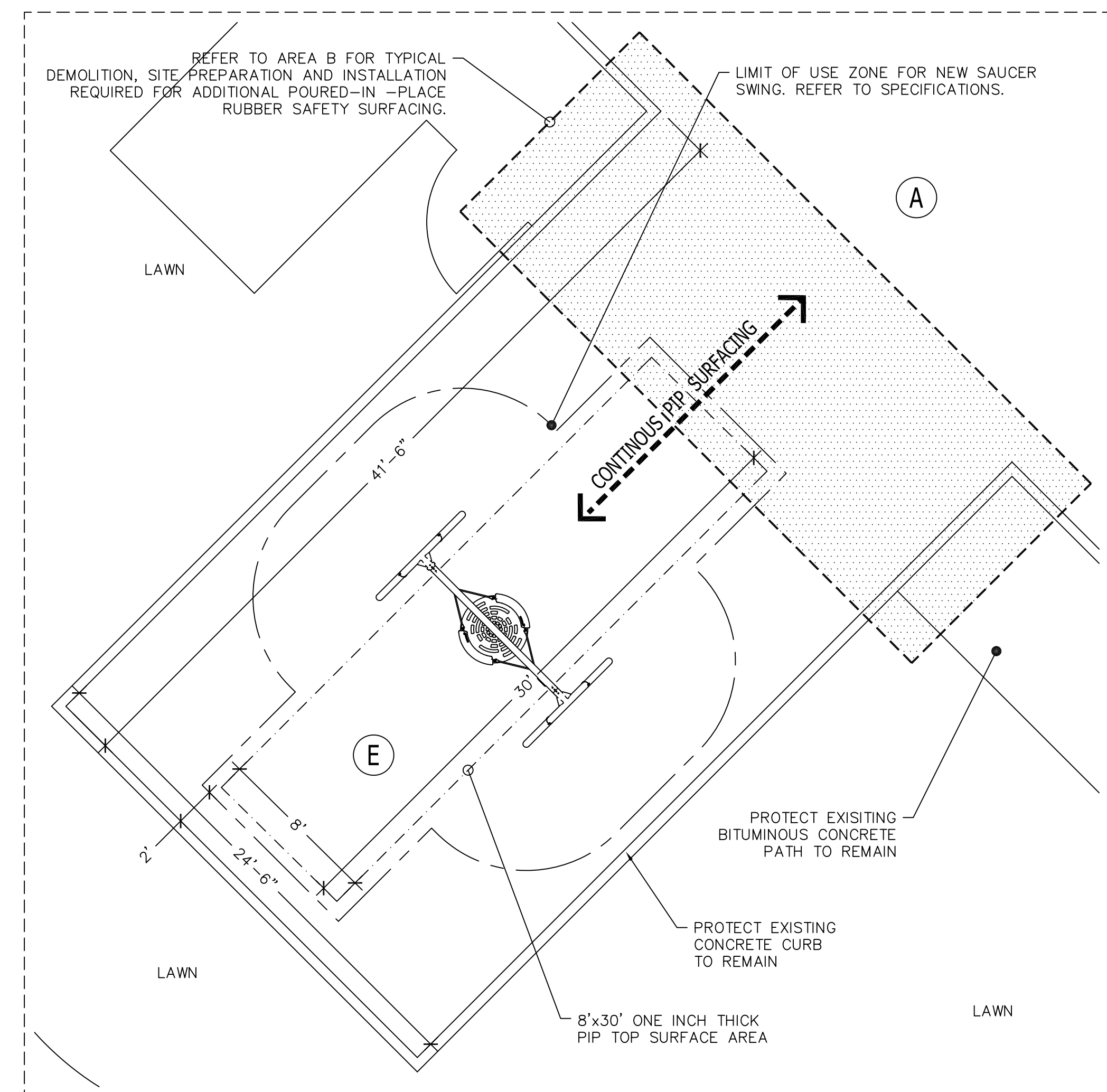
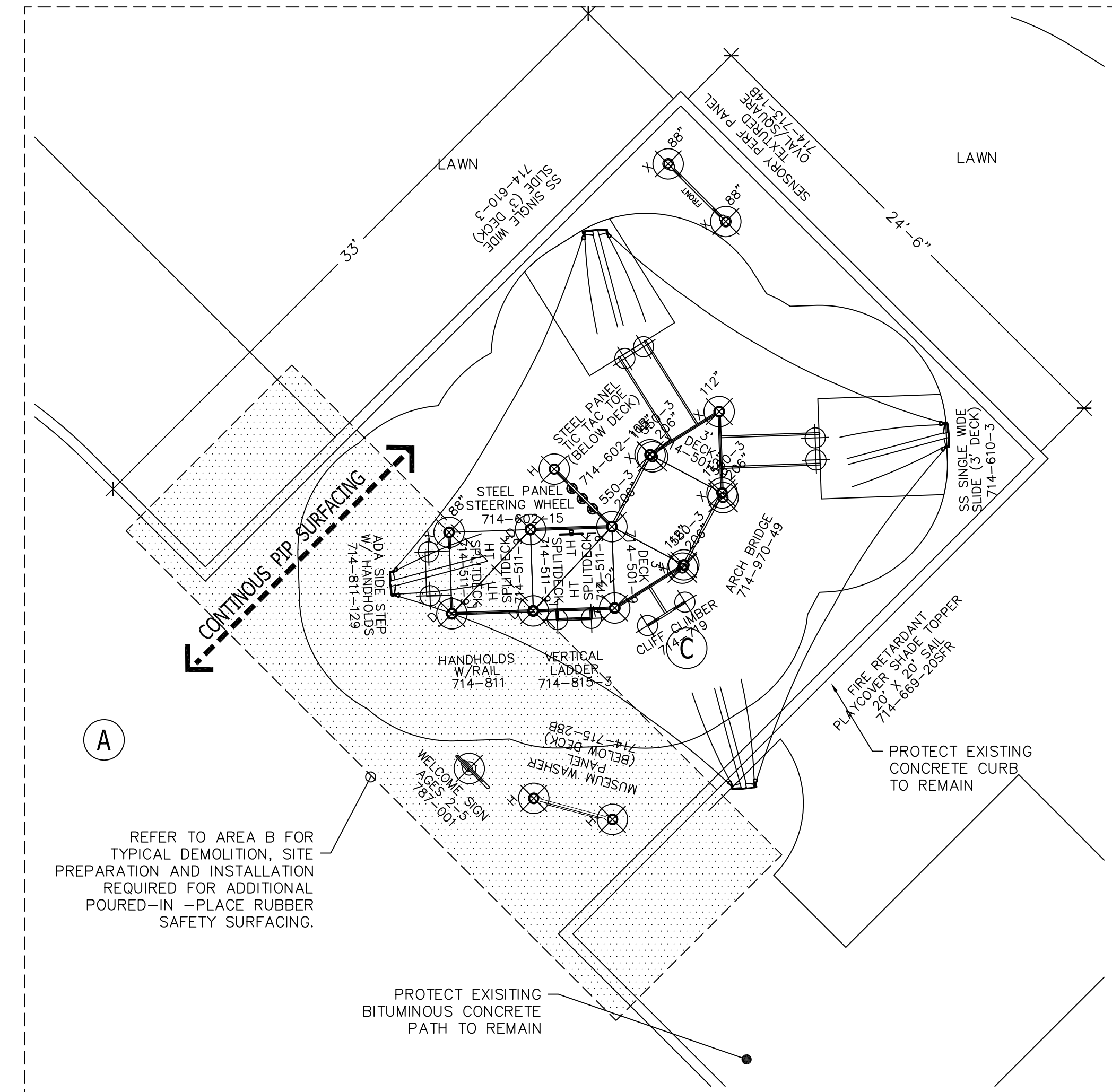
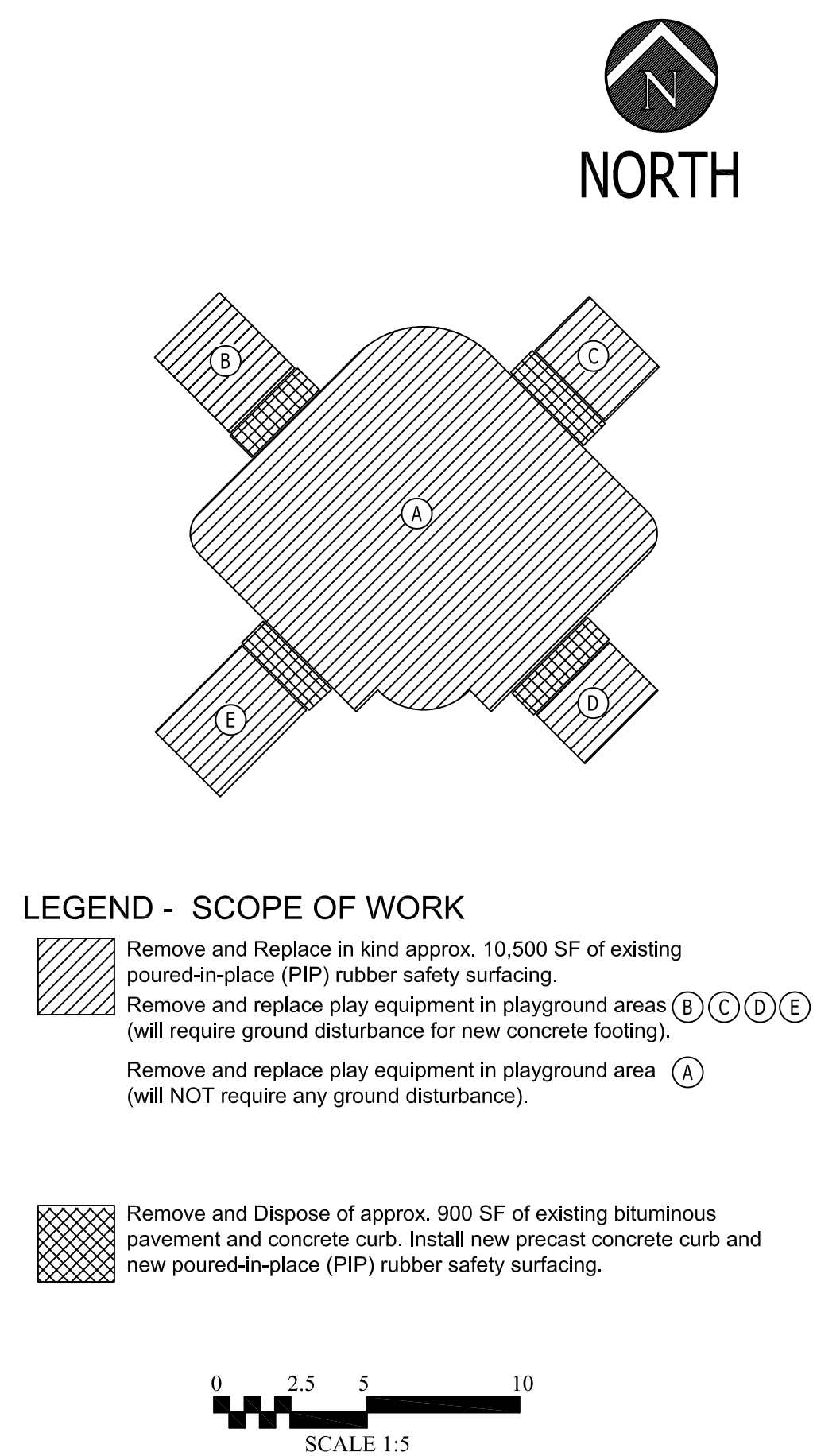
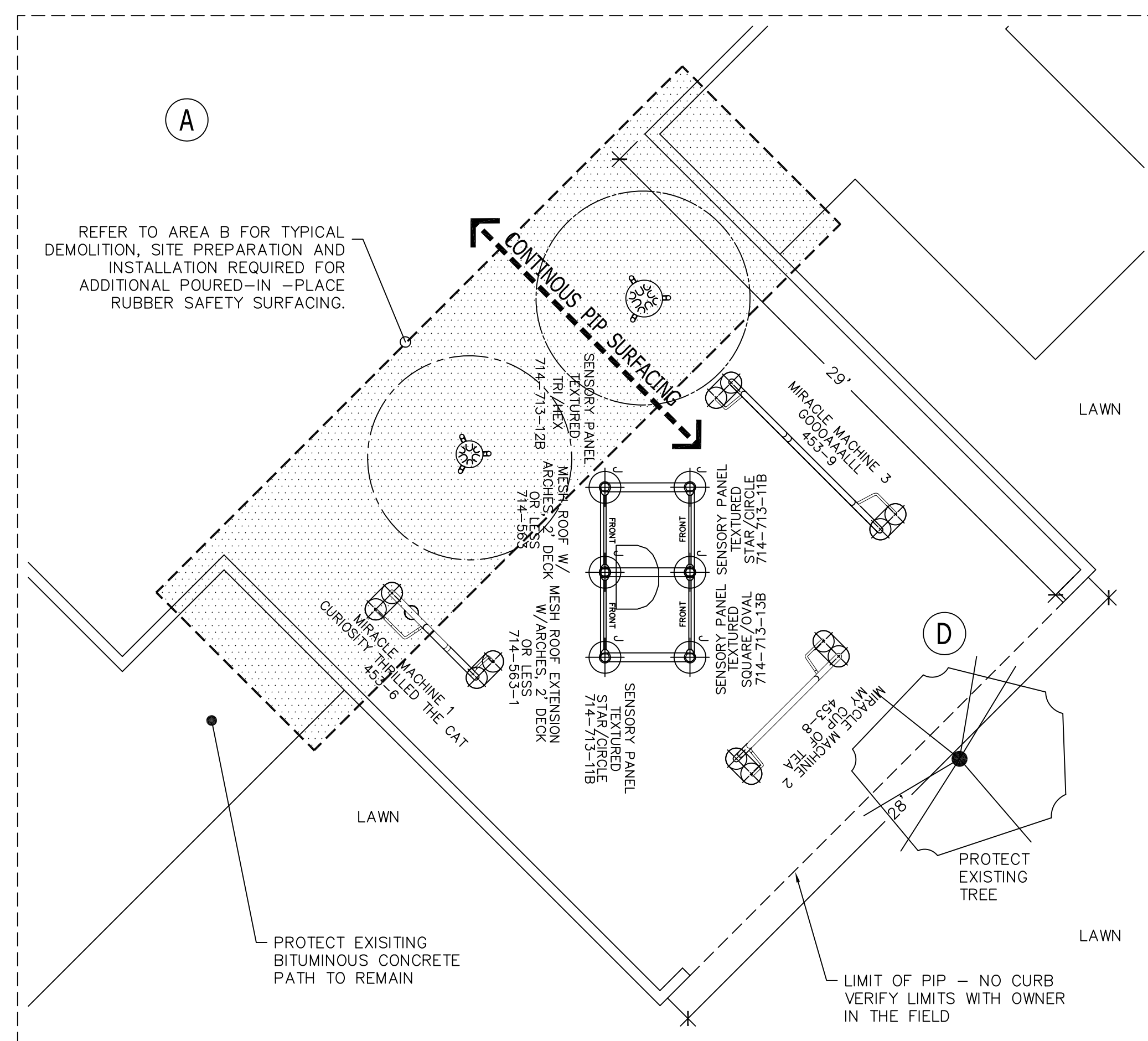
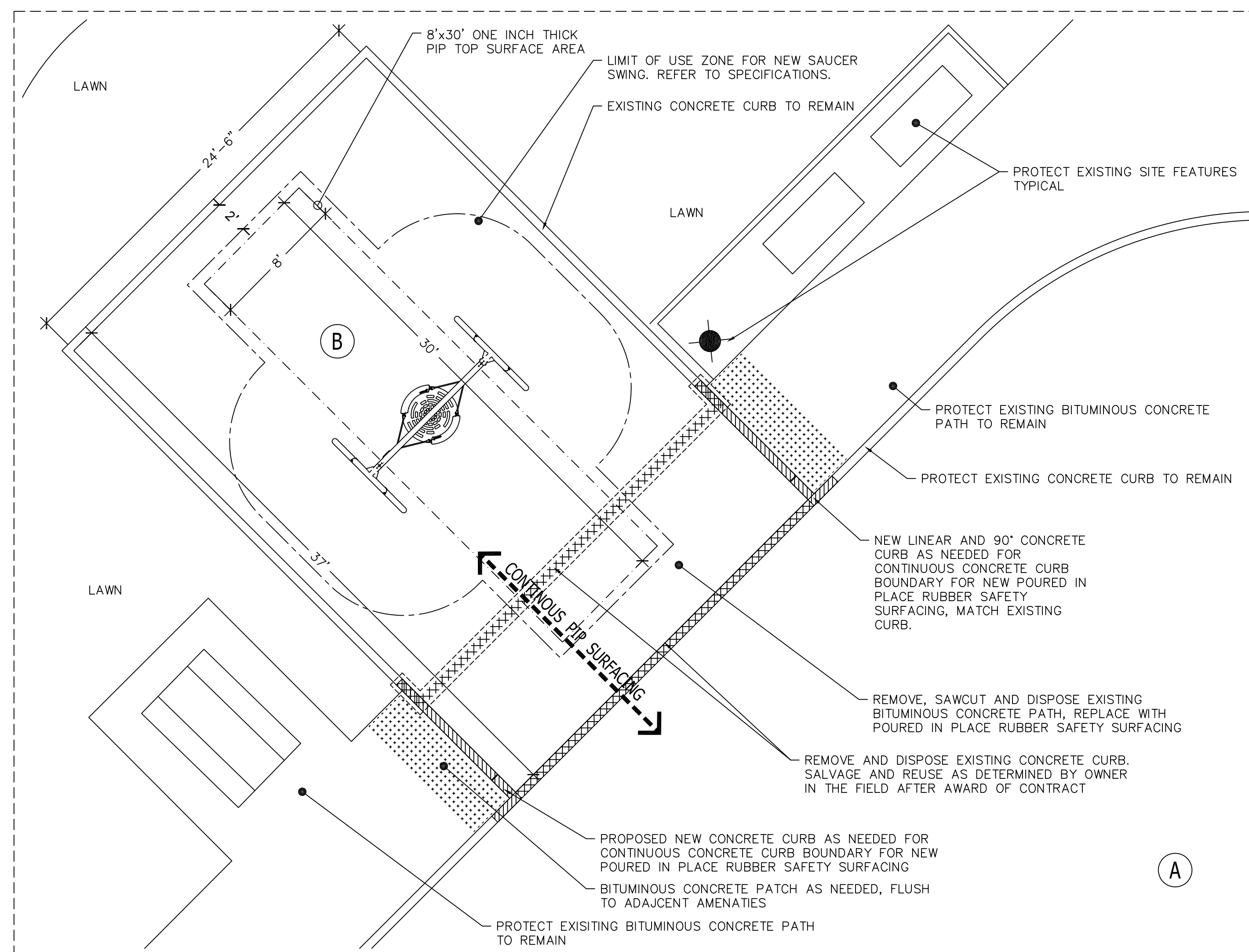
PREPARED BY:
DPW AND PARKS
Parks, Recreation & Cemetery Division
50 Officer Manny Familia Way
WORCESTER, MA 01605


PROJECT TITLE
**Playground
Renovations
at Elm Park**
121 Russell Street
Worcester, MA

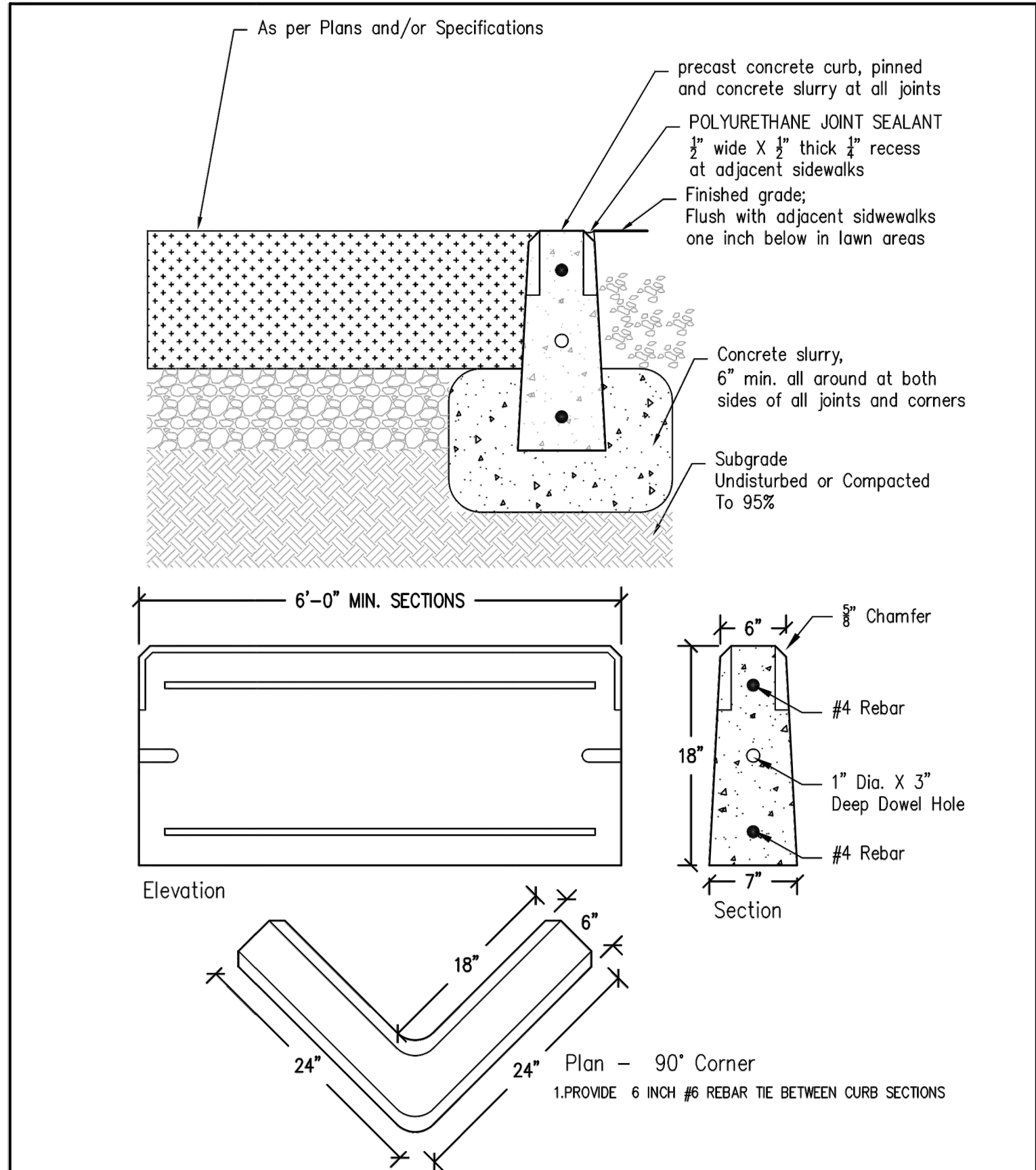
DRAWING NAME
**GENERAL NOTES
SITE PREPARATION AND
AREA A RENOVATIONS**

DATE
January 28, 2025

SHEET NUMBER



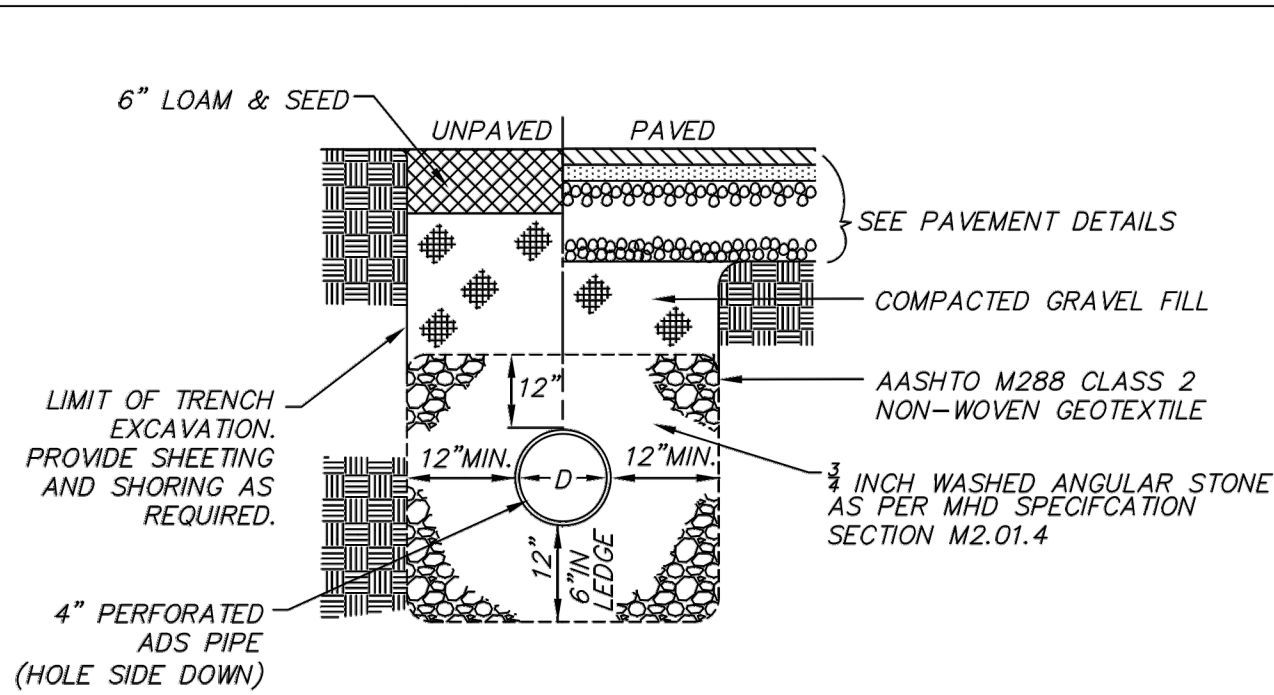
REMARKS
Scale: As Noted
CO-SPONSER
DRAWN BY: CLV
CHECKED BY: CLV
OWNER: CITY OF WORCESTER  EXECUTIVE OFFICE OF THE CITY MANAGER CITY HALL WORCESTER, MASSACHUSETTS PREPARED BY: DPW AND PARKS Parks, Recreation & Cemetery Division 50 Officer Manny Familia Way WORCESTER, MA 01605
PROJECT TITLE Playground Renovations at Elm Park 121 Russell Street Worcester, MA
DRAWING NAME AREAS B,C,D & E RENOVATIONS
DATE January 28, 2025
SHEET NUMBER 2



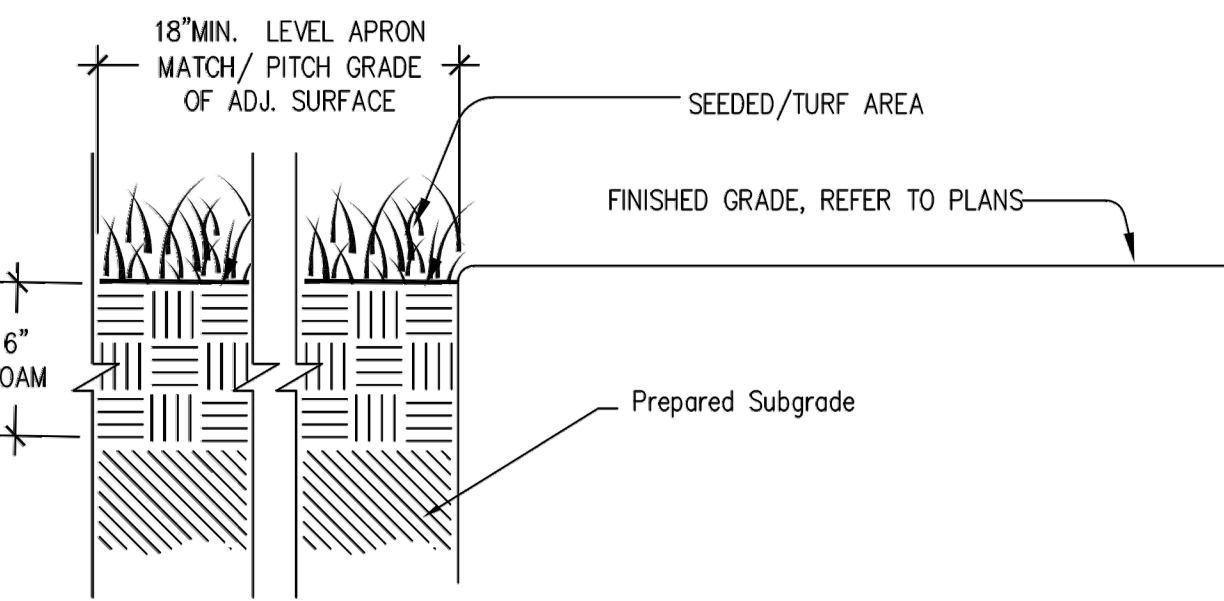
Dept. Of Public Works & Parks
Capital Projects Division
ROBERT C. ANTONELLI, JR.
Assistant Commissioner

Parks, Recreation & Cemetery Division Standard
Details - Concrete Curb and Typical Section
Not to Scale

D-4



Perforated Pipe Subdrain (Not in Contract)

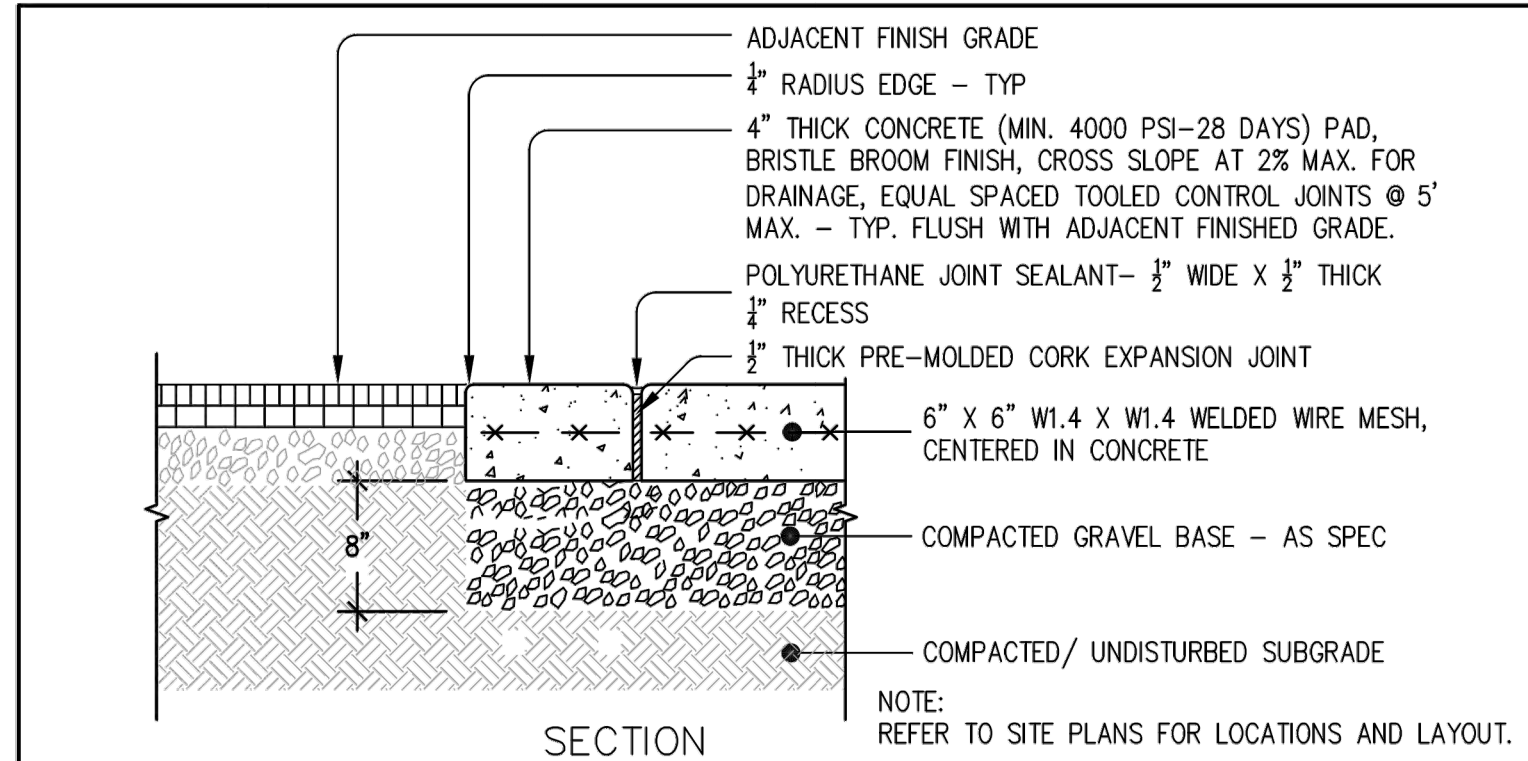


Loam and Seed

Dept. Of Public Works & Parks
Capital Projects Division
ROBERT C. ANTONELLI, JR.
Assistant Commissioner

Parks, Recreation & Cemetery Division Standard
Details - Perforated Pipe Subdrain and Loam and Seed
Not to Scale

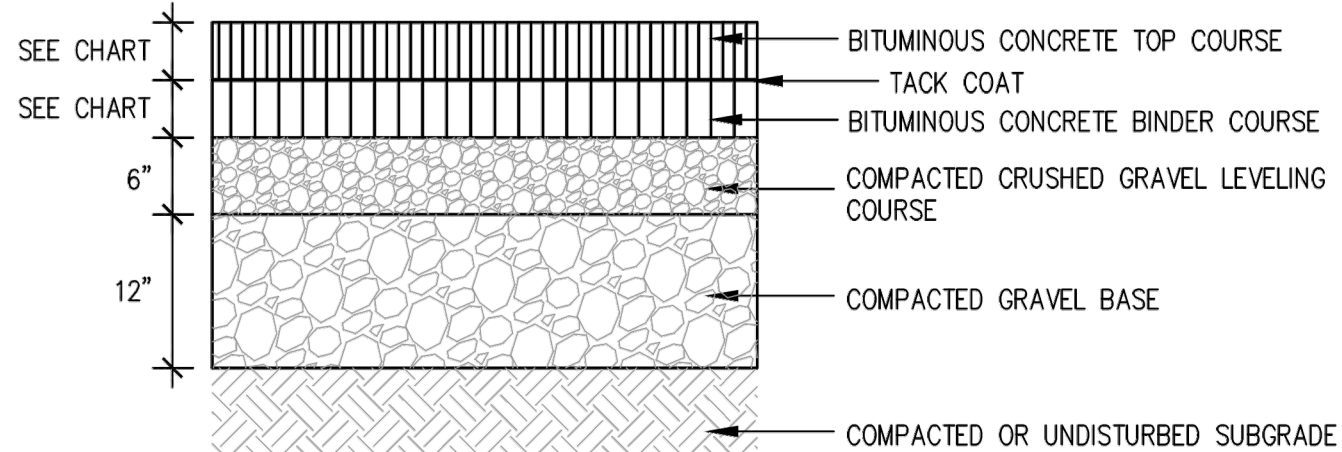
D-5



Concrete Flatwork

BITUMINOUS CONCRETE PAVEMENT COURSE THICKNESS CHART

	BINDER COURSE	TOP COURSE	DENSE MIX
Roadway up to 12% grade	2'-3"	1'-3"	
Driveway And Public Sidewalk	1'-3"	1'-3"	1"
Parking Lot And Park Sidewalk	1'-3"	1'-3"	



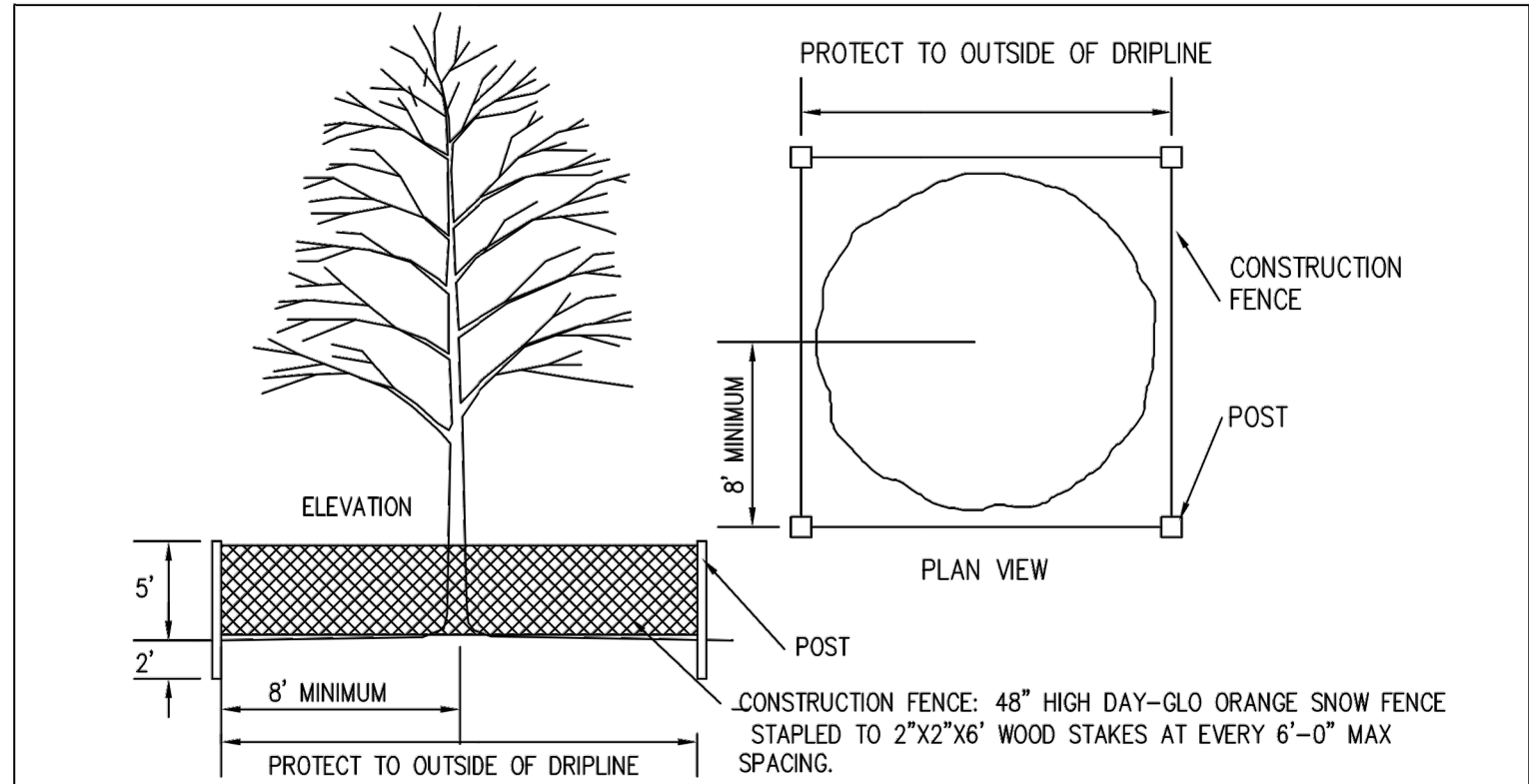
NOTE: TACK COAT REQUIRED IF BINDER COURSE IS OVER 48 HOURS OLD

Bitumomous Concrete Flatwork

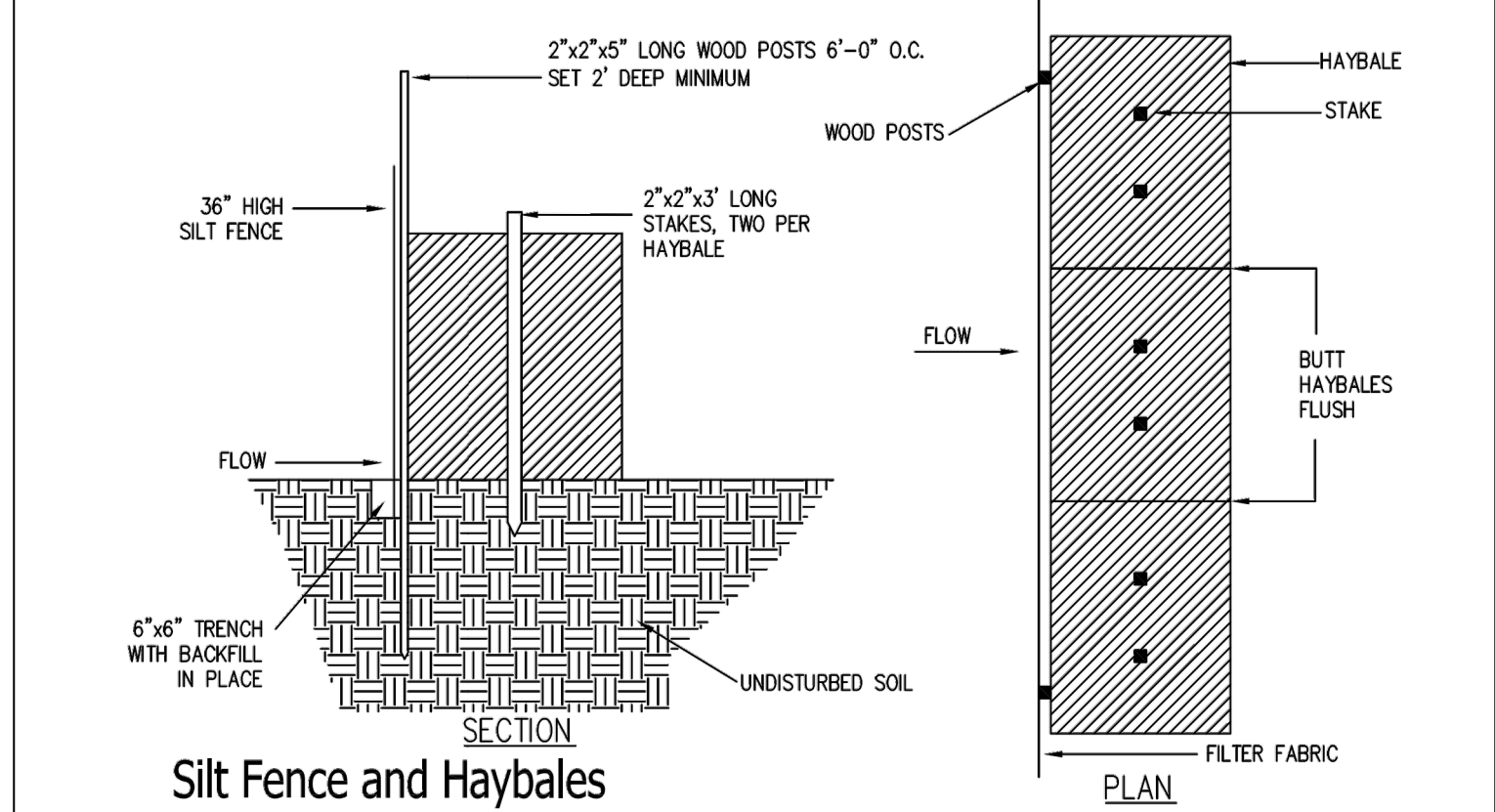
Dept. Of Public Works & Parks
Capital Projects Division
ROBERT C. ANTONELLI, JR.
Assistant Commissioner

Parks, Recreation & Cemetery Division Standard
Details - Concrete & Bitumomous Concrete Flatwork
Not to Scale

D-6



Tree Protection



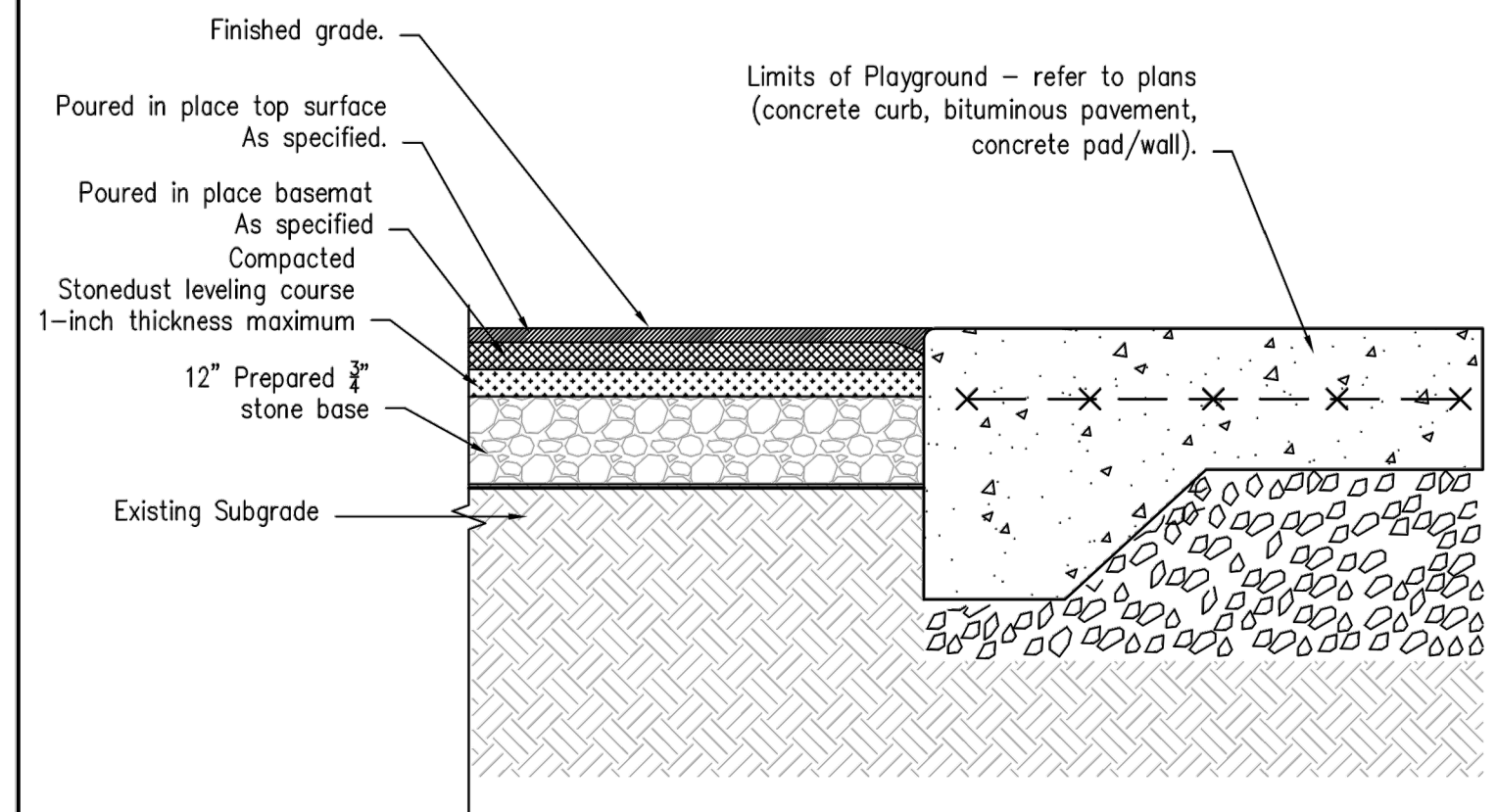
Silt Fence and Haybales

Dept. Of Public Works & Parks
Capital Projects Division
ROBERT C. ANTONELLI, JR.
Assistant Commissioner

Parks, Recreation & Cemetery Division Standard
Details - Tree Protection & Silt Fence and Haybales
Not to Scale

D-7

NOT USED



Dept. Of Public Works & Parks
Capital Projects Division
ROBERT C. ANTONELLI, JR.
Assistant Commissioner

Parks, Recreation & Cemetery Division Standard
Details - Poured in Place Safety Surfacing Profile
Not to Scale

D-9

REMARKS

Scale: As Noted

CO-SPONSER

DRAWN BY: CLV

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OWNER:

CITY OF WORCESTER



EXECUTIVE OFFICE OF
THE CITY MANAGER
CITY HALL
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