



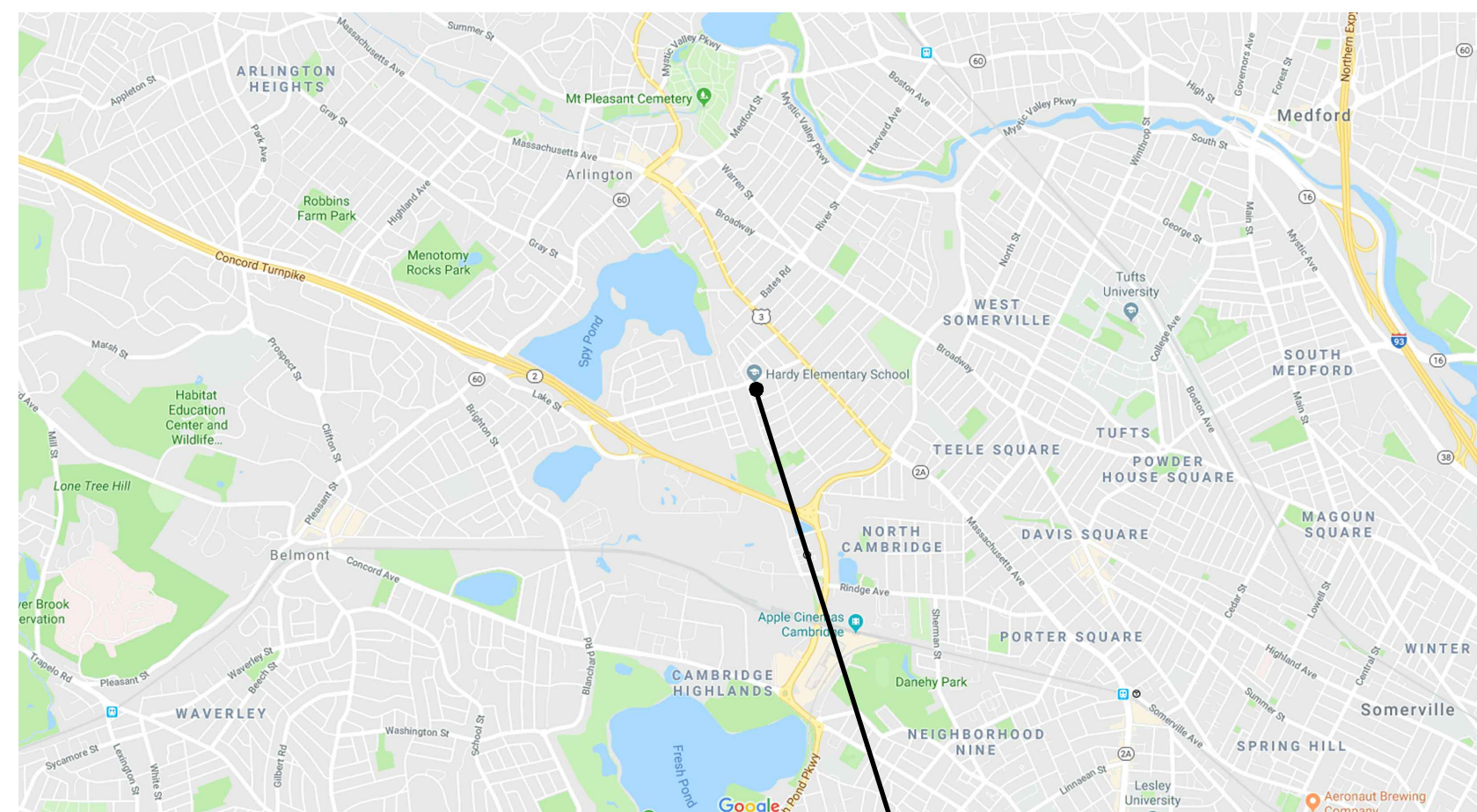
Town of Arlington, Massachusetts

PLANS FOR THE IMPROVEMENTS TO Chandler Street Playground at Hardy Elementary School

52 Lake Street
Arlington, Massachusetts

TOWN OF ARLINGTON, MASSACHUSETTS

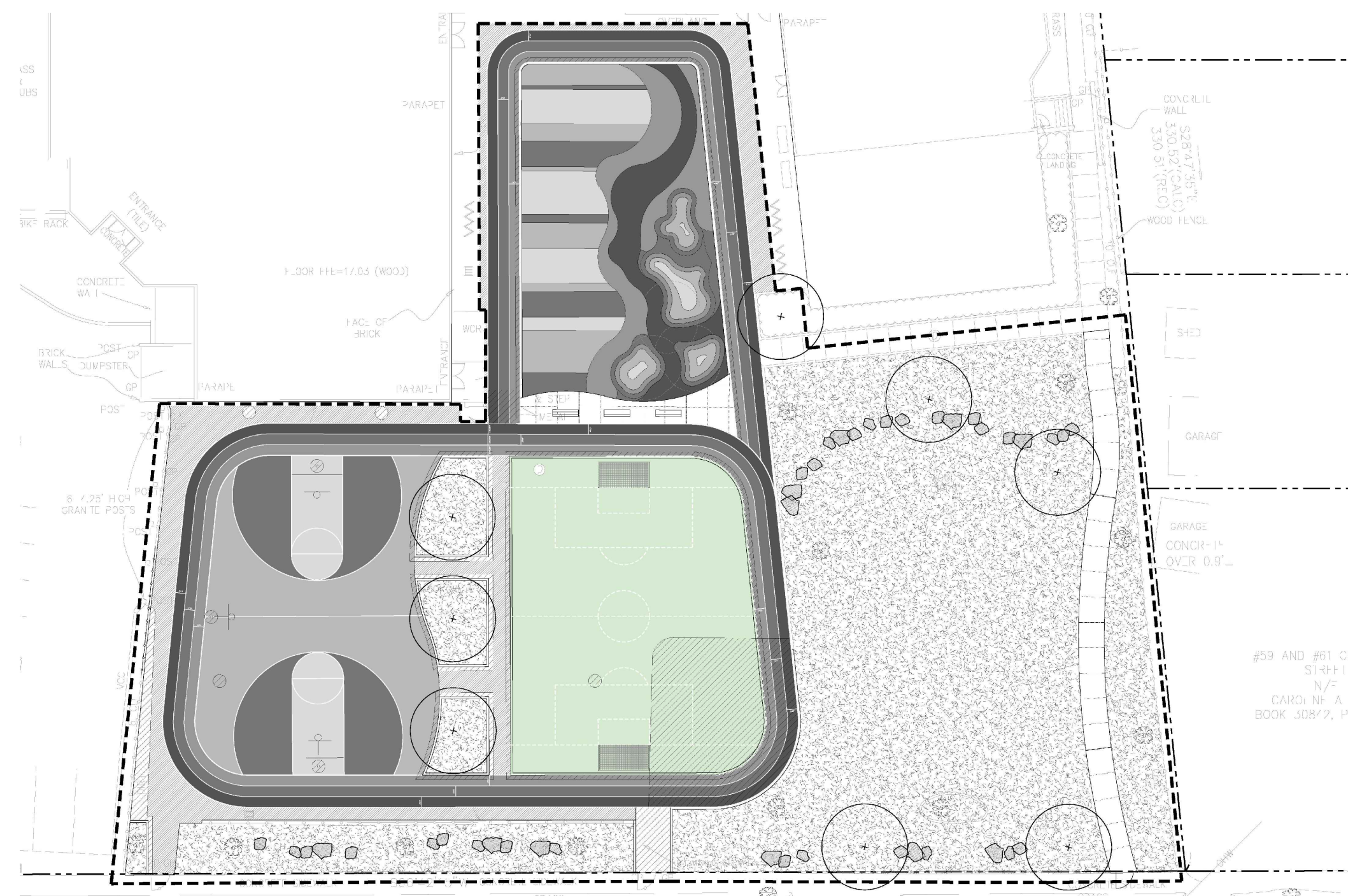
ADAM W. CHAPDELAINE
TOWN MANAGER
730 MASSACHUSETTS AVE
ARLINGTON, MASSACHUSETTS, 02476
PHONE: 781-316-3010



HARDY ELEMENTARY SCHOOL
LOCUS MAP



HARDY ELEMENTARY SCHOOL
AERIAL



FOR REFERENCE ONLY.

CONSTRUCTION DOCUMENTS

- SPECIAL NOTES REGARDING EXISTING CONDITIONS DOCUMENTATION:**
1. A CURRENT EXISTING CONDITIONS SITE SURVEY WAS NOT PROVIDED FOR THESE CONSTRUCTION DOCUMENTS.
 2. IT IS IMPORTANT TO NOTE, THE EXISTING CONDITIONS INFORMATION SHOWN IS NOT EXACT AND IS BASED UPON UNVERIFIED PLAN INFORMATION PROVIDED BY OTHERS. WESTON & SAMPSON DID NOT RECEIVE AS-BUILT PLANS FROM THE 2017 BUILDING ADDITION PROJECT. ALL INFORMATION SHOWN IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD BY CONTRACTOR.
 3. DUE TO LACK OF SURVEY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL SURVEY CONTROLS AND VERTICAL AND HORIZONTAL DATUMS.
 4. SITE EXISTING CONDITIONS INFORMATION SHOWN ON THESE CONSTRUCTION DOCUMENTS WAS COMPILED BASED ON THE HARDY SCHOOL BUILDING ADDITION CONSTRUCTION DOCUMENTS ISSUED IN DECEMBER OF 2017 AND PRODUCED BY FINEGOLD ALEXANDER ARCHITECTS.
 5. PRIOR TO THE BUILDING ADDITION, NITSCH ENGINEERING PRODUCED THE SURVEY FOR FINEGOLD ALEXANDER ARCHITECTS. THE ON-GROUND SURVEY OCCURRED IN JULY AND AUGUST OF 2017. THE SUBSURFACE UTILITY INFORMATION WAS COMPILED BASED ON FIELD SURVEY AND RECORD INFORMATION SUPPLIED BY THE APPROPRIATE UTILITY COMPANIES. ALL SPOT GRADES SHOWN WERE SURVEYED PRIOR TO THE BUILDING ADDITION.

July 11, 2019

Prepared By



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SHEET INDEX

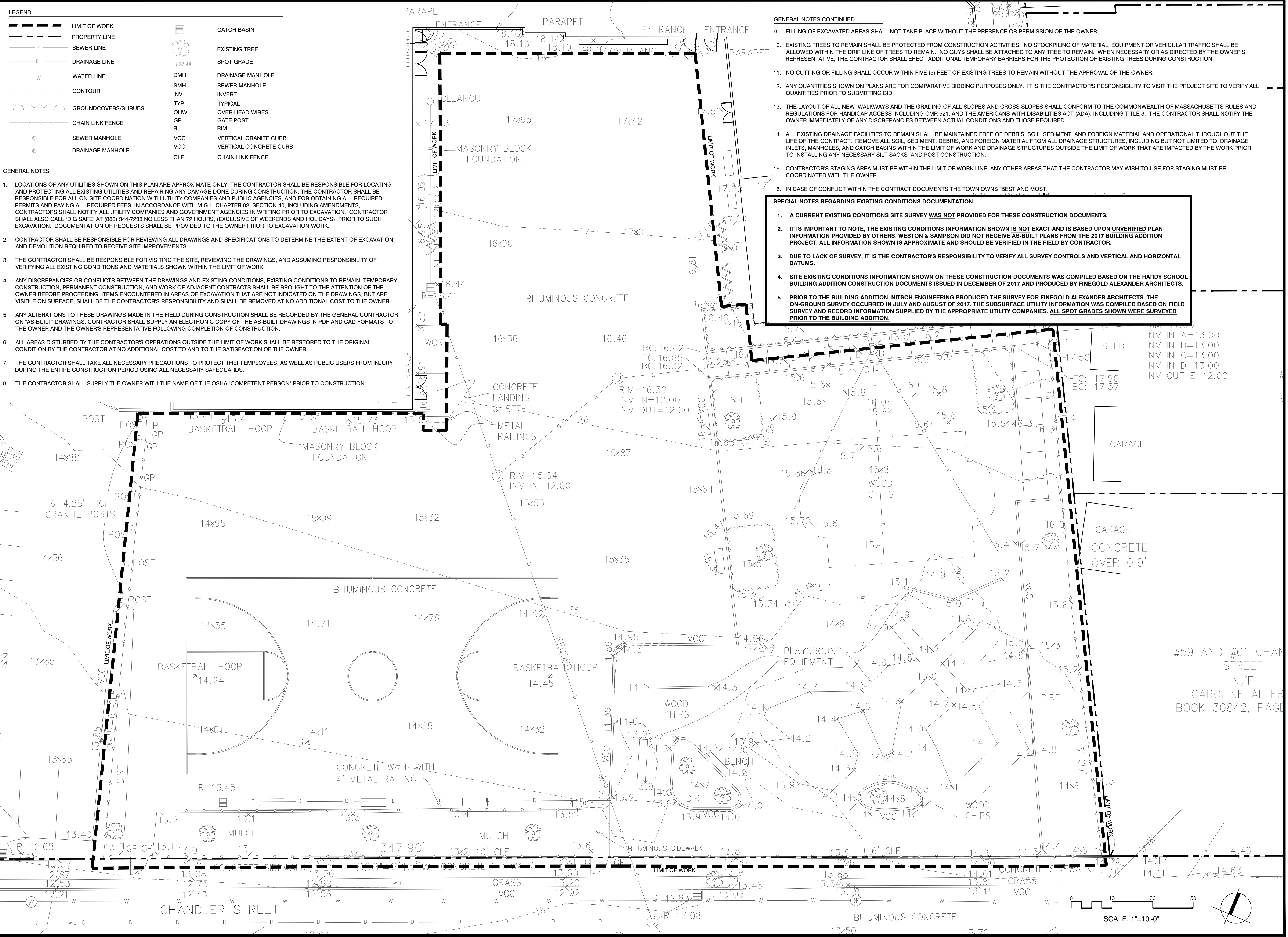
L0.00	COVER SHEET
L1.00	EXISTING CONDITIONS PLAN (FOR ILLUSTRATIVE PURPOSES ONLY)
L2.00	SITE PREPARATION & DEMOLITION PLAN
L3.00	MATERIALS & LAYOUT PLAN
L3.01	MATERIALS ENLARGEMENT PLANS
L4.00	GRADING, DRAINAGE, & UTILITY PLAN (FOR ILLUSTRATIVE PURPOSES ONLY)
L5.00 - L5.02	CONSTRUCTION DETAILS

LEGEND	
--- (dashed line)	LIMIT OF WORK
--- (long dashed line)	PROPERTY LINE
--- (line with 'S')	SEWER LINE
--- (line with 'D')	DRAINAGE LINE
--- (line with 'W')	WATER LINE
--- (dotted line)	CONTOUR
--- (wavy line)	GROUNDCOVERS/SHRUBS
--- (line with circles)	CHAIN LINK FENCE
○	SEWER MANHOLE
○	DRAINAGE MANHOLE
▭	CATCH BASIN
○ (with tree symbol)	EXISTING TREE
○ (with 'S')	SPOT GRADE
○	DMH DRAINAGE MANHOLE
○	SMH SEWER MANHOLE
○	INV INVERT
○	TYP TYPICAL
○	OHW OVER HEAD WIRES
○	GP GATE POST
○	R RIM
○	VGC VERTICAL GRANITE CURB
○	VCC VERTICAL CONCRETE CURB
○	CLF CHAIN LINK FENCE

- GENERAL NOTES**
- 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 THE OWNER PRIOR TO EXCAVATION WORK.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF EXCAVATION AND DEMOLITION REQUIRED TO RECEIVE SITE IMPROVEMENTS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE, REVIEWING THE DRAWINGS, AND ASSUMING RESPONSIBILITY OF VERIFYING ALL EXISTING CONDITIONS AND MATERIALS SHOWN WITHIN THE LIMIT OF WORK.
 - 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. 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.
 - ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE GENERAL CONTRACTOR ON "AS-BUILT" DRAWINGS. CONTRACTOR SHALL SUPPLY AN ELECTRONIC COPY OF THE AS-BUILT DRAWINGS IN PDF AND CAD FORMATS TO THE OWNER AND THE OWNER'S REPRESENTATIVE FOLLOWING COMPLETION OF CONSTRUCTION.
 - ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS OUTSIDE THE LIMIT OF WORK SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO AND TO THE SATISFACTION OF THE OWNER.
 - THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THEIR EMPLOYEES, AS WELL AS PUBLIC USERS FROM INJURY DURING THE ENTIRE CONSTRUCTION PERIOD USING ALL NECESSARY SAFEGUARDS.
 - THE CONTRACTOR SHALL SUPPLY THE OWNER WITH THE NAME OF THE OSHA 'COMPETENT PERSON' PRIOR TO CONSTRUCTION.

- GENERAL NOTES CONTINUED**
- FILLING OF EXCAVATED AREAS SHALL NOT TAKE PLACE WITHOUT THE PRESENCE OR PERMISSION OF THE OWNER.
 - 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 OWNER'S REPRESENTATIVE, THE CONTRACTOR SHALL ERECT ADDITIONAL TEMPORARY BARRIERS FOR THE PROTECTION OF EXISTING TREES DURING CONSTRUCTION.
 - NO CUTTING OR FILLING SHALL OCCUR WITHIN FIVE (5) FEET OF EXISTING TREES TO REMAIN WITHOUT THE APPROVAL OF THE OWNER.
 - ANY QUANTITIES SHOWN ON PLANS ARE FOR COMPARATIVE BIDDING PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE PROJECT SITE TO VERIFY ALL QUANTITIES PRIOR TO SUBMITTING BID.
 - THE LAYOUT OF ALL NEW WALKWAYS AND THE GRADING OF ALL SLOPES AND CROSS SLOPES SHALL CONFORM TO THE COMMONWEALTH OF MASSACHUSETTS RULES AND REGULATIONS FOR HANDICAP ACCESS INCLUDING CMR 821, AND THE AMERICANS WITH DISABILITIES ACT (ADA), INCLUDING TITLE 3. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE REQUIRED.
 - 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 PRIOR TO INSTALLING ANY NECESSARY SILT SACKS AND POST CONSTRUCTION.
 - CONTRACTOR'S STAGING AREA MUST BE WITHIN THE LIMIT OF WORK LINE. ANY OTHER AREAS THAT THE CONTRACTOR MAY WISH TO USE FOR STAGING MUST BE COORDINATED WITH THE OWNER.
 - IN CASE OF CONFLICT WITHIN THE CONTRACT DOCUMENTS THE TOWN OWNS 'BEST AND MOST'.

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Drawing Title:
EXISTING CONDITIONS PLAN (FOR ILLUSTRATIVE PURPOSES ONLY)

Sheet Number:
L1.00

SCALE: 1"=10'-0"

LEGEND

- LIMIT OF WORK
- PROPERTY LINE
- R&D BITUMINOUS CONCRETE PAVEMENT, FULL DEPTH, COMPLETE
- R&D WOOD FIBER MULCH
- CLEAR AND GRUB
- R&D CONCRETE PAVEMENT, COMPLETE
- ADD ALTERNATE #1**
R&D BITUMINOUS CONCRETE PAVEMENT, FULL DEPTH, COMPLETE
- R&D EXISTING GROUND COVER
- R&S REMOVE & SALVAGE
- R&D REMOVE & DISPOSE
- SAW CUT
- ADD ALTERNATE #1**
SAW CUT
- REMOVE AND RESET CONCRETE CURB
- REMOVE AND DISPOSE CHAIN LINK FENCE, COMPLETE
- EROSION CONTROL- STRAW WATTLES
- R&D EXISTING TREE, TYP.
- R&S BENCH
- INLET SEDIMENTATION CONTROL
- REMOVE AND DISPOSE OF EXISTING BASKETBALL HOOP & POST, COMPLETE.
- CONSTRUCTION ENTRANCE
- TREE PROTECTION, TYP.
- R&D PLAY EQUIPMENT, COMPLETE.

SEDIMENT AND EROSION CONTROL NOTES

- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE PUT INTO PLACE PRIOR TO BEGINNING ANY CONSTRUCTION OR DEMOLITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUAL MAINTENANCE OF ALL EROSION CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT.
- CONTRACTOR SHALL MEET ALL OF THE COMMONWEALTH OF MASSACHUSETTS D.E.P. AND THE TOWN OF ARLINGTON'S WETLAND ORDINANCE REGULATIONS FOR SEDIMENT AND EROSION CONTROL.
- EXCAVATED MATERIAL STOCKPILED ON THE SITE SHALL BE SURROUNDED BY A RING OF UNBROKEN SEDIMENT AND 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 WORK SHALL REMAIN TOTALLY UNDISTURBED UNLESS OTHERWISE APPROVED BY OWNER'S REPRESENTATIVE.
- ALL CATCH BASINS AND DRAIN GRATES WITHIN LIMIT OF WORK SHALL BE PROTECTED WITH SILT SACKS DURING THE ENTIRE DURATION OF CONSTRUCTION.
- EROSION CONTROL BARRIERS TO BE INSTALLED AT THE TOE OF SLOPES. SEE GRADING & DRAINAGE PLANS, NOTES, DETAILS, AND SPECIFICATIONS.
- ANY AREA OUTSIDE THE PROJECT LIMIT THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED BY OWNER.
- ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC/Private ROADS.

DEMOLITION & SITE PREPARATION NOTES

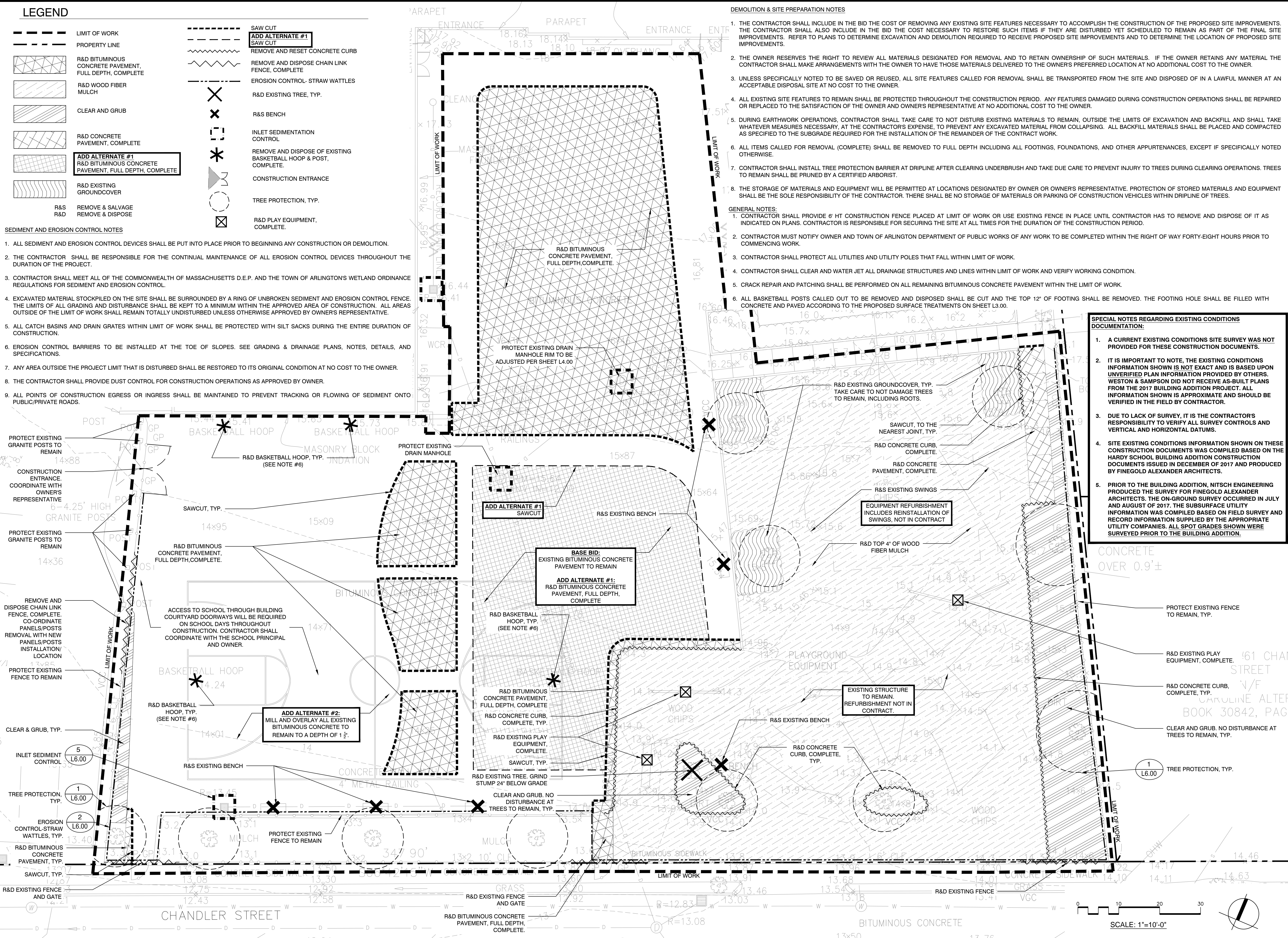
- THE CONTRACTOR SHALL INCLUDE IN THE BID THE COST OF REMOVING ANY EXISTING SITE FEATURES NECESSARY TO ACCOMPLISH THE CONSTRUCTION OF THE PROPOSED SITE IMPROVEMENTS. THE CONTRACTOR SHALL ALSO INCLUDE IN THE BID THE COST NECESSARY TO RESTORE SUCH ITEMS IF THEY ARE DISTURBED YET SCHEDULED TO REMAIN AS PART OF THE FINAL SITE IMPROVEMENTS. REFER TO PLANS TO DETERMINE EXCAVATION AND DEMOLITION REQUIRED TO RECEIVE PROPOSED SITE IMPROVEMENTS AND TO DETERMINE THE LOCATION OF PROPOSED SITE IMPROVEMENTS.
- 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 DELIVERED TO THE OWNER'S PREFERRED LOCATION AT NO ADDITIONAL COST TO THE OWNER.
- UNLESS SPECIFICALLY NOTED TO BE SAVED OR REUSED, ALL SITE FEATURES CALLED FOR REMOVAL SHALL BE TRANSPORTED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER AT AN ACCEPTABLE DISPOSAL SITE AT NO COST TO THE OWNER.
- ALL EXISTING SITE FEATURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY FEATURES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AND OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
- DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL TAKE CARE TO NOT DISTURB EXISTING MATERIALS TO REMAIN, OUTSIDE THE LIMITS OF 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.
- ALL ITEMS CALLED FOR REMOVAL (COMPLETE) SHALL BE REMOVED TO FULL DEPTH INCLUDING ALL FOOTINGS, FOUNDATIONS, AND OTHER APPURTENANCES, EXCEPT IF SPECIFICALLY NOTED OTHERWISE.
- CONTRACTOR SHALL INSTALL TREE PROTECTION BARRIER AT DRIPLINE AFTER CLEARING UNDERBRUSH AND TAKE DUE CARE TO PREVENT INJURY TO TREES DURING CLEARING OPERATIONS. TREES TO REMAIN SHALL BE PRUNED BY A CERTIFIED ARBORIST.
- THE STORAGE OF MATERIALS AND EQUIPMENT WILL BE PERMITTED AT LOCATIONS DESIGNATED BY OWNER OR OWNER'S REPRESENTATIVE. PROTECTION OF STORED MATERIALS AND EQUIPMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THERE SHALL BE NO STORAGE OF MATERIALS OR PARKING OF CONSTRUCTION VEHICLES WITHIN DRIPLINE OF TREES.

GENERAL NOTES:

- CONTRACTOR SHALL PROVIDE 6' HT CONSTRUCTION FENCE PLACED AT LIMIT OF WORK OR USE EXISTING FENCE IN PLACE UNTIL CONTRACTOR HAS TO REMOVE AND DISPOSE OF IT AS INDICATED ON PLANS. CONTRACTOR IS RESPONSIBLE FOR SECURING THE SITE AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PERIOD.
- CONTRACTOR MUST NOTIFY OWNER AND TOWN OF ARLINGTON DEPARTMENT OF PUBLIC WORKS OF ANY WORK TO BE COMPLETED WITHIN THE RIGHT OF WAY FORTY-EIGHT HOURS PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL PROTECT ALL UTILITIES AND UTILITY POLES THAT FALL WITHIN LIMIT OF WORK.
- CONTRACTOR SHALL CLEAR AND WATER JET ALL DRAINAGE STRUCTURES AND LINES WITHIN LIMIT OF WORK AND VERIFY WORKING CONDITION.
- CRACK REPAIR AND PATCHING SHALL BE PERFORMED ON ALL REMAINING BITUMINOUS CONCRETE PAVEMENT WITHIN THE LIMIT OF WORK.
- ALL BASKETBALL POSTS CALLED OUT TO BE REMOVED AND DISPOSED SHALL BE CUT AND THE TOP 12" OF FOOTING SHALL BE REMOVED. THE FOOTING HOLE SHALL BE FILLED WITH CONCRETE AND PAVED ACCORDING TO THE PROPOSED SURFACE TREATMENTS ON SHEET L3.00.

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Drawing Title:
SITE PREPARATION & DEMOLITION PLAN

Sheet Number:
L2.00

SCALE: 1"=10'-0"

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LEGEND

- LIMIT OF WORK
- PROPERTY LINE
- EXISTING BITUMINOUS CONCRETE PAVEMENT, TO REMAIN
- EXISTING BITUMINOUS CONCRETE PAVEMENT WITH COLOR SEAL COAT
- BITUMINOUS CONCRETE PAVEMENT
- BITUMINOUS CONCRETE PAVEMENT WITH COLOR SEAL COAT
- POURED-IN-PLACE RUBBER SAFETY SURFACING, REFER TO SHEET L3.01 FOR COLOR LAYOUT
- ENGINEERED WOOD FIBER MULCH
- CAST-IN-PLACE CONCRETE PAVEMENT
- EXPANSION JOINT
- CONTROL JOINT
- CHAIN LINK FENCE
- EX. TYP. CONCR. SPECS.
- EXISTING TYPICAL CONCRETE SPECS.

- BASKETBALL GOAL, TYPE 1
- BASKETBALL GOAL, TYPE 2
- LANDSCAPE BOULDERS
- SALVAGED BENCH
- PROPOSED TREE

- PLAY SPHERES**
- SH SMALL, HALF
 - SF SMALL, FULL
 - LF LARGE, FULL
 - MH MEDIUM, HALF

- PLAY EQUIPMENT, SEE SPECIFICATIONS
- CONCRETE MOW STRIP
- BITUMINOUS CONCRETE PAVEMENT WITH COLOR SEALCOAT, COLOR TYPE 3
- CAST-IN-PLACE CONCRETE PAVEMENT, TYP.
- SALVAGED BENCH, TYP. (SURFACE MOUNT ONLY)
- SOCCER GOAL (2 TOTAL) SEE SPECIFICATIONS
- SOCCER LAYOUT
- DISTANCE MARKER, TYP.
- ENGINEERED WOOD FIBER MULCH, TYP.

MATERIALS NOTES

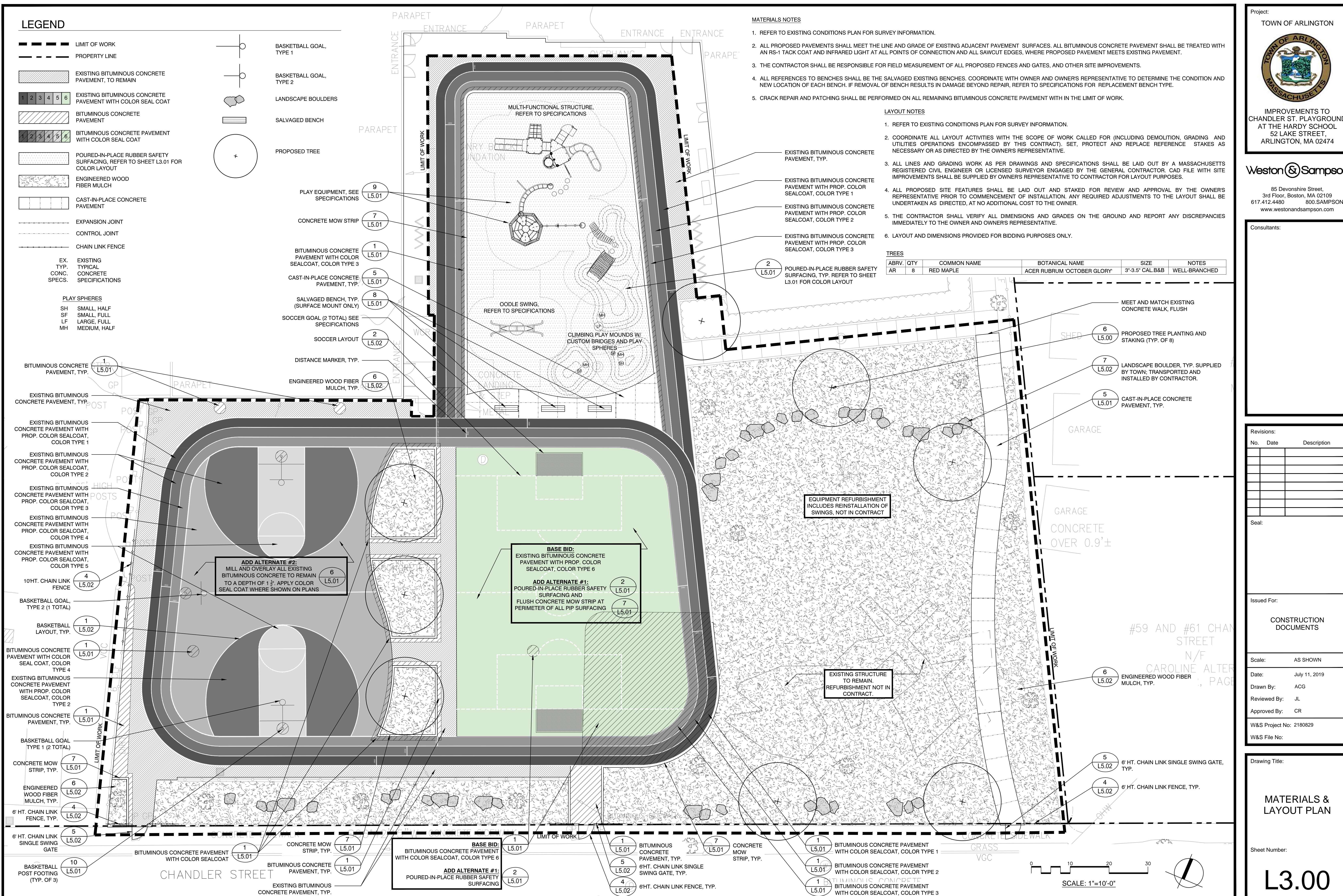
- REFER TO EXISTING CONDITIONS PLAN FOR SURVEY INFORMATION.
- ALL PROPOSED PAVEMENTS SHALL MEET THE LINE AND GRADE OF EXISTING ADJACENT PAVEMENT SURFACES. ALL BITUMINOUS CONCRETE PAVEMENT SHALL BE TREATED WITH AN RS-1 TACK COAT AND INFRARED LIGHT AT ALL POINTS OF CONNECTION AND ALL SAWCUT EDGES, WHERE PROPOSED PAVEMENT MEETS EXISTING PAVEMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENT OF ALL PROPOSED FENCES AND GATES, AND OTHER SITE IMPROVEMENTS.
- ALL REFERENCES TO BENCHES SHALL BE THE SALVAGED EXISTING BENCHES. COORDINATE WITH OWNER AND OWNER'S REPRESENTATIVE TO DETERMINE THE CONDITION AND NEW LOCATION OF EACH BENCH. IF REMOVAL OF BENCH RESULTS IN DAMAGE BEYOND REPAIR, REFER TO SPECIFICATIONS FOR REPLACEMENT BENCH TYPE.
- CRACK REPAIR AND PATCHING SHALL BE PERFORMED ON ALL REMAINING BITUMINOUS CONCRETE PAVEMENT WITH IN THE LIMIT OF WORK.

LAYOUT NOTES

- REFER TO EXISTING CONDITIONS PLAN FOR SURVEY INFORMATION.
- COORDINATE ALL LAYOUT ACTIVITIES WITH THE SCOPE OF WORK CALLED FOR (INCLUDING DEMOLITION, GRADING AND UTILITIES OPERATIONS ENCOMPASSED BY THIS CONTRACT). SET, PROTECT AND REPLACE REFERENCE STAKES AS NECESSARY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- ALL LINES AND GRADING WORK AS PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A MASSACHUSETTS REGISTERED CIVIL ENGINEER OR LICENSED SURVEYOR ENGAGED BY THE GENERAL CONTRACTOR. CAD FILE WITH SITE IMPROVEMENTS SHALL BE SUPPLIED BY OWNER'S REPRESENTATIVE TO CONTRACTOR FOR LAYOUT PURPOSES.
- ALL PROPOSED SITE FEATURES SHALL BE LAID OUT AND STAKED FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF INSTALLATION. ANY REQUIRED ADJUSTMENTS TO THE LAYOUT SHALL BE UNDERTAKEN AS DIRECTED, AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER AND OWNER'S REPRESENTATIVE.
- LAYOUT AND DIMENSIONS PROVIDED FOR BIDDING PURPOSES ONLY.

TREES

ABRV.	QTY	COMMON NAME	BOTANICAL NAME	SIZE	NOTES
AR	8	RED MAPLE	ACER RUBRUM 'OCTOBER GLORY'	3'-3.5' CAL.B&B	WELL-BRANCHED



Project:
TOWN OF ARLINGTON

IMPROVEMENTS TO CHANDLER ST. PLAYGROUND AT THE HARDY SCHOOL 52 LAKE STREET, ARLINGTON, MA 02474

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MATERIALS & LAYOUT PLAN

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MATERIALS ENLARGEMENT PLANS

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LEGEND

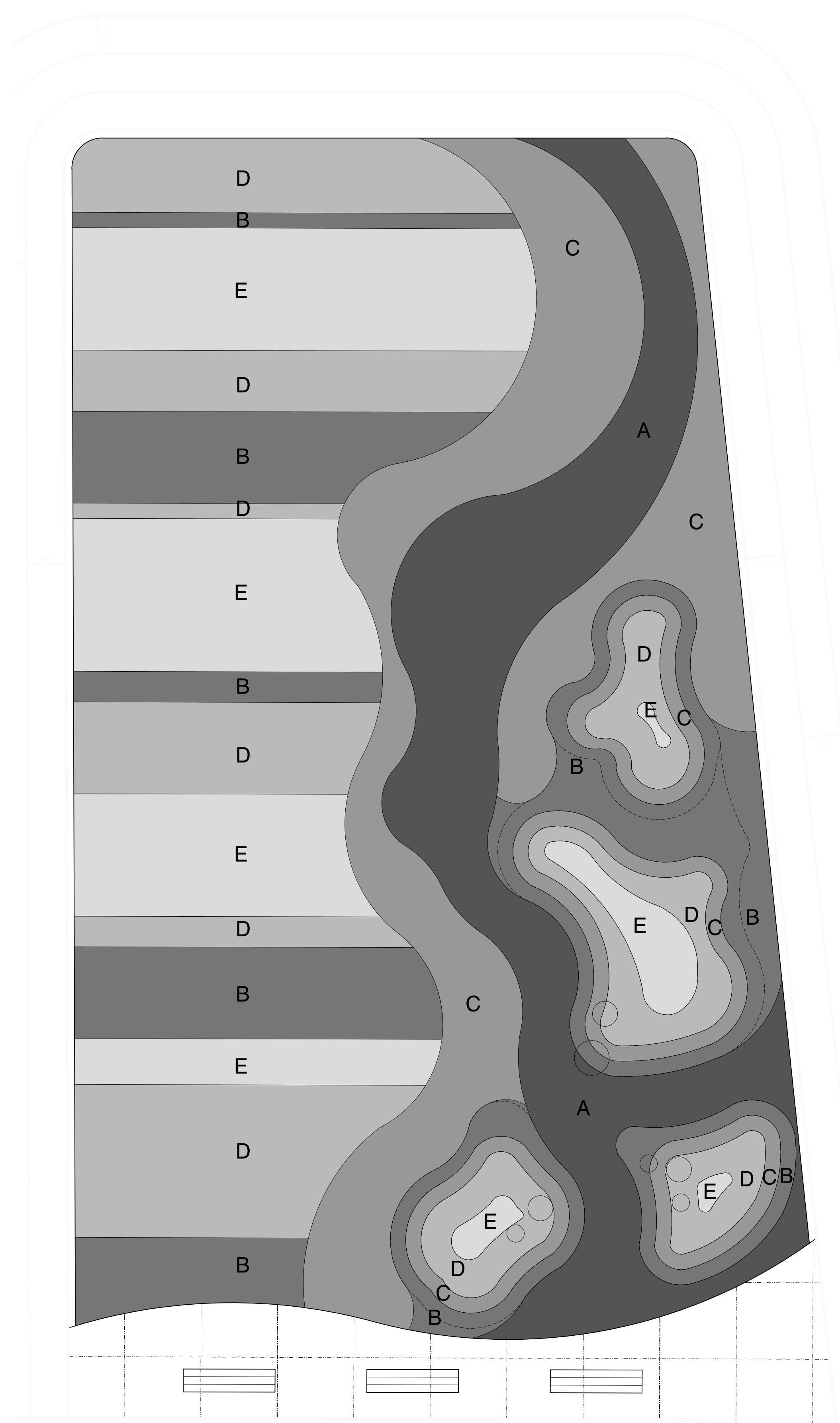
- LIMIT OF WORK
- ENGINEERED WOOD FIBER MULCH
- CAST-IN-PLACE CONCRETE PAVEMENT
- EXPANSION JOINT
- CONTROL JOINT
- PIP RUBBER SAFETY SURFACING WITH CONCRETE SLOPE
- BENCH
- PROPOSED TREE

POURED-IN-PLACE RUBBER SAFETY SURFACING COLOR CHART

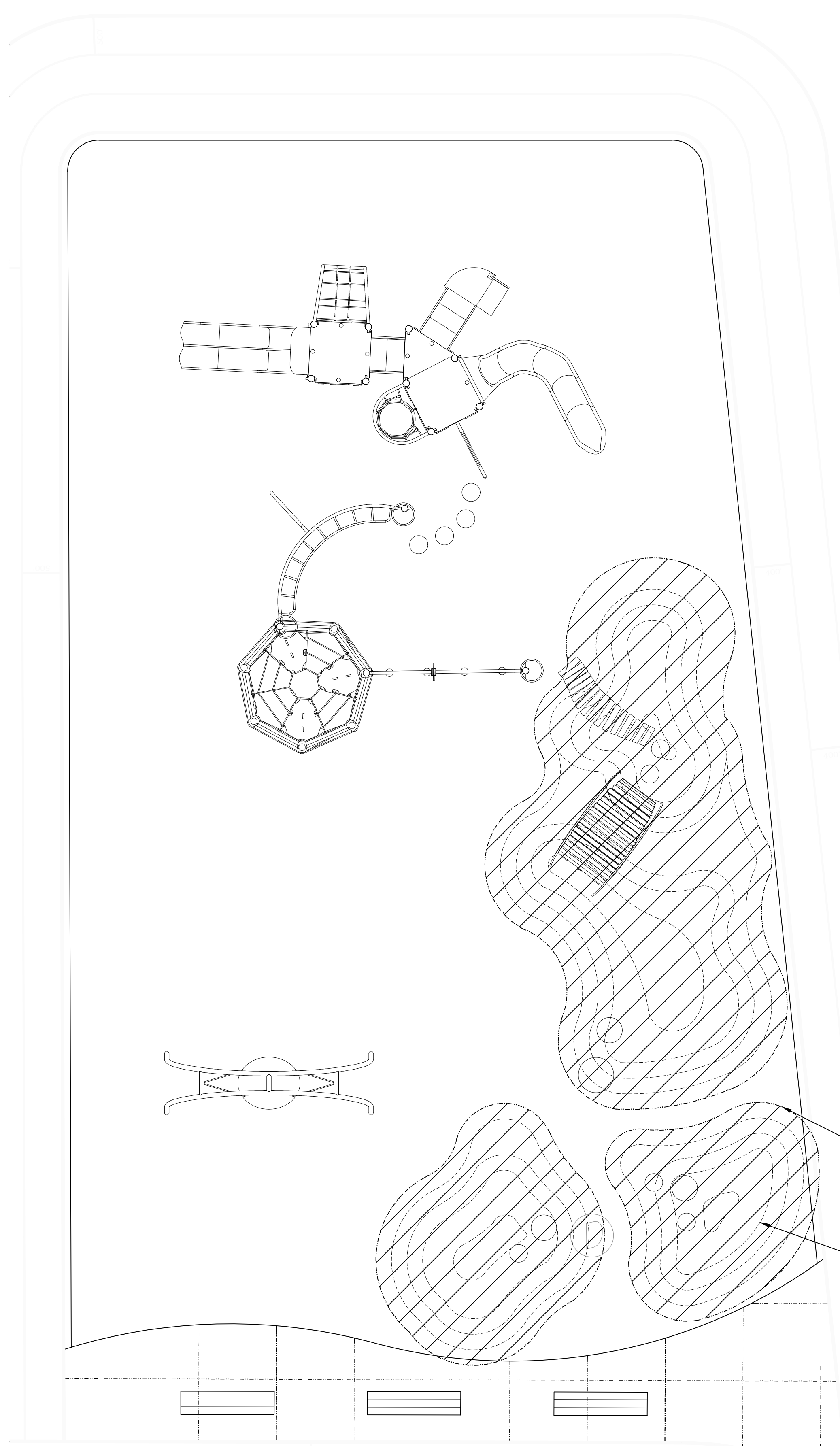
A		COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE.
B		COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE.
C		COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE.
D		COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE.
E		COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE.

* FOR COLORS, SEE SPECIFICATIONS.

NOTE:
1. PATTERN LAYOUT TO BE APPROVED IN FIELD BY OWNER'S REPRESENTATIVE.



1 POURED-IN-PLACE RUBBER SAFETY SURFACING COLOR LAYOUT
SCALE: 1"=5'-0"



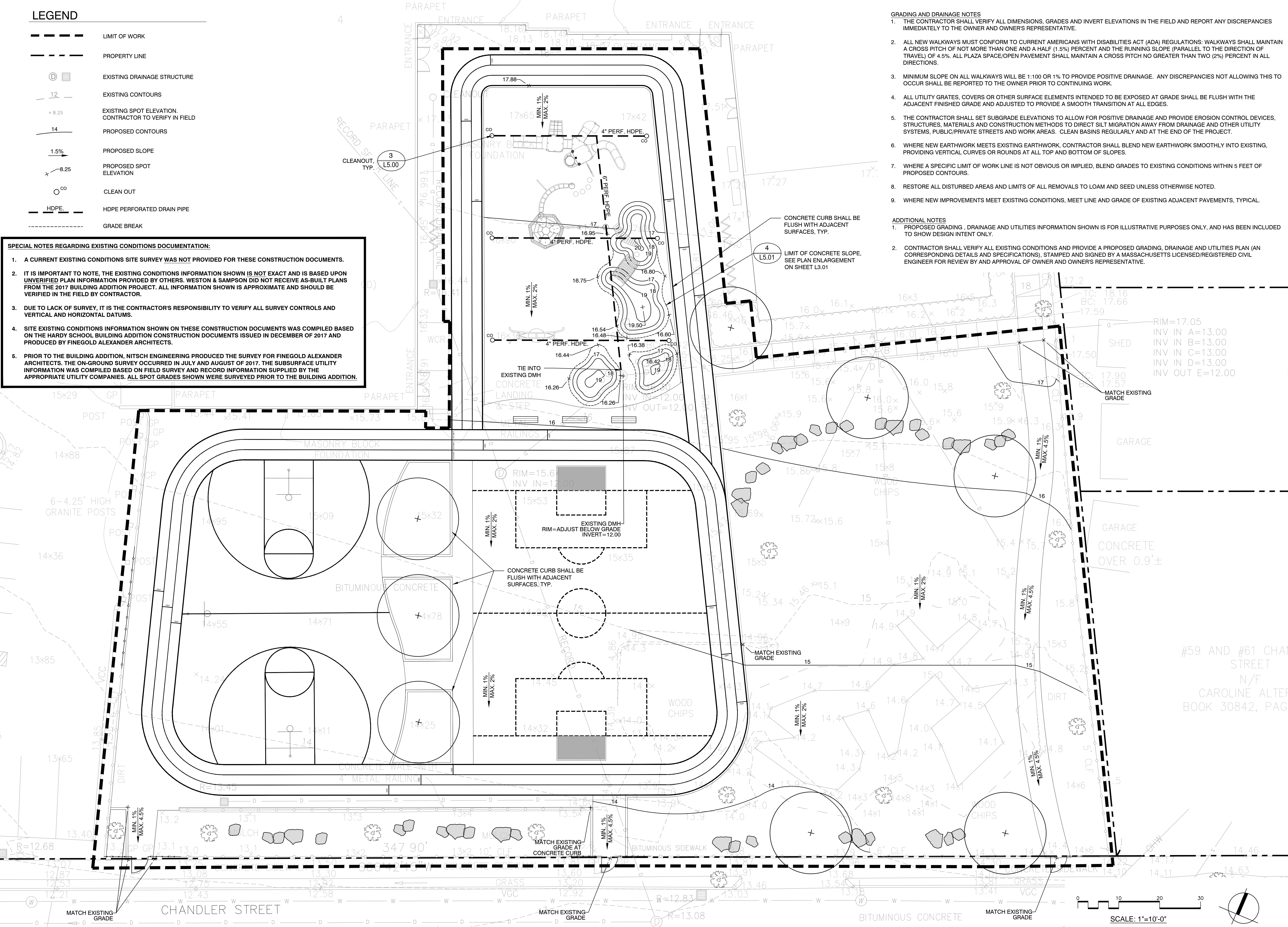
2 CONCRETE SLOPE LAYOUT
SCALE: 1"=5'-0"

LEGEND

- LIMIT OF WORK
- PROPERTY LINE
- ⊙ EXISTING DRAINAGE STRUCTURE
- 12- EXISTING CONTOURS
- x 8.25 EXISTING SPOT ELEVATION, CONTRACTOR TO VERIFY IN FIELD
- 14- PROPOSED CONTOURS
- 1.5% PROPOSED SLOPE
- x 8.25 PROPOSED SPOT ELEVATION
- ^{CO} CLEAN OUT
- HDPE HDPE PERFORATED DRAIN PIPE
- GRADE BREAK

SPECIAL NOTES REGARDING EXISTING CONDITIONS DOCUMENTATION:

- A CURRENT EXISTING CONDITIONS SITE SURVEY WAS NOT PROVIDED FOR THESE CONSTRUCTION DOCUMENTS.
- IT IS IMPORTANT TO NOTE, THE EXISTING CONDITIONS INFORMATION SHOWN IS NOT EXACT AND IS BASED UPON UNVERIFIED PLAN INFORMATION PROVIDED BY OTHERS. WESTON & SAMPSON DID NOT RECEIVE AS-BUILT PLANS FROM THE 2017 BUILDING ADDITION PROJECT. ALL INFORMATION SHOWN IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD BY CONTRACTOR.
- DUE TO LACK OF SURVEY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL SURVEY CONTROLS AND VERTICAL AND HORIZONTAL DATUMS.
- SITE EXISTING CONDITIONS INFORMATION SHOWN ON THESE CONSTRUCTION DOCUMENTS WAS COMPILED BASED ON THE HARDY SCHOOL BUILDING ADDITION CONSTRUCTION DOCUMENTS ISSUED IN DECEMBER OF 2017 AND PRODUCED BY FINEGOLD ALEXANDER ARCHITECTS.
- PRIOR TO THE BUILDING ADDITION, NITSCH ENGINEERING PRODUCED THE SURVEY FOR FINEGOLD ALEXANDER ARCHITECTS. THE ON-GROUND SURVEY OCCURRED IN JULY AND AUGUST OF 2017. THE SUBSURFACE UTILITY INFORMATION WAS COMPILED BASED ON FIELD SURVEY AND RECORD INFORMATION SUPPLIED BY THE APPROPRIATE UTILITY COMPANIES. ALL SPOT GRADES SHOWN WERE SURVEYED PRIOR TO THE BUILDING ADDITION.



- GRADING AND DRAINAGE NOTES**
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, GRADES AND INVERT ELEVATIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER AND OWNER'S REPRESENTATIVE.
 - ALL NEW WALKWAYS MUST CONFORM TO CURRENT AMERICANS WITH DISABILITIES ACT (ADA) REGULATIONS; WALKWAYS SHALL MAINTAIN A CROSS PITCH OF NOT MORE THAN ONE AND A HALF (1.5%) PERCENT AND THE RUNNING SLOPE (PARALLEL TO THE DIRECTION OF TRAVEL) OF 4.5%. ALL PLAZA SPACE/OPEN PAVEMENT SHALL MAINTAIN A CROSS PITCH NO GREATER THAN TWO (2%) PERCENT IN ALL DIRECTIONS.
 - MINIMUM SLOPE ON ALL WALKWAYS WILL BE 1:100 OR 1% TO PROVIDE POSITIVE DRAINAGE. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNER PRIOR TO CONTINUING WORK.
 - ALL UTILITY GRATES, COVERS OR OTHER SURFACE ELEMENTS INTENDED TO BE EXPOSED AT GRADE SHALL BE FLUSH WITH THE ADJACENT FINISHED GRADE AND ADJUSTED TO PROVIDE A SMOOTH TRANSITION AT ALL EDGES.
 - THE CONTRACTOR SHALL SET SUBGRADE ELEVATIONS TO ALLOW FOR POSITIVE DRAINAGE AND PROVIDE EROSION CONTROL DEVICES, STRUCTURES, MATERIALS AND CONSTRUCTION METHODS TO DIRECT SILT MIGRATION AWAY FROM DRAINAGE AND OTHER UTILITY SYSTEMS, PUBLIC/PRIVATE STREETS AND WORK AREAS. CLEAN BASINS REGULARLY AND AT THE END OF THE PROJECT.
 - WHERE NEW EARTHWORK MEETS EXISTING EARTHWORK, CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING, PROVIDING VERTICAL CURVES OR ROUNDS AT ALL TOP AND BOTTOM OF SLOPES.
 - WHERE A SPECIFIC LIMIT OF WORK LINE IS NOT OBVIOUS OR IMPLIED, BLEND GRADES TO EXISTING CONDITIONS WITHIN 5 FEET OF PROPOSED CONTOURS.
 - RESTORE ALL DISTURBED AREAS AND LIMITS OF ALL REMOVALS TO LOAM AND SEED UNLESS OTHERWISE NOTED.
 - WHERE NEW IMPROVEMENTS MEET EXISTING CONDITIONS, MEET LINE AND GRADE OF EXISTING ADJACENT PAVEMENTS, TYPICAL.
- ADDITIONAL NOTES**
- PROPOSED GRADING, DRAINAGE AND UTILITIES INFORMATION SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY, AND HAS BEEN INCLUDED TO SHOW DESIGN INTENT ONLY.
 - CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND PROVIDE A PROPOSED GRADING, DRAINAGE AND UTILITIES PLAN (AN CORRESPONDING DETAILS AND SPECIFICATIONS) STAMPED AND SIGNED BY A MASSACHUSETTS LICENSED/REGISTERED CIVIL ENGINEER FOR REVIEW BY AND APPROVAL OF OWNER AND OWNER'S REPRESENTATIVE.



Weston & Sampson
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 617.412.4480 800.SAMPSON
 www.westonandsampson.com

Consultants:

Revisions:

No.	Date	Description

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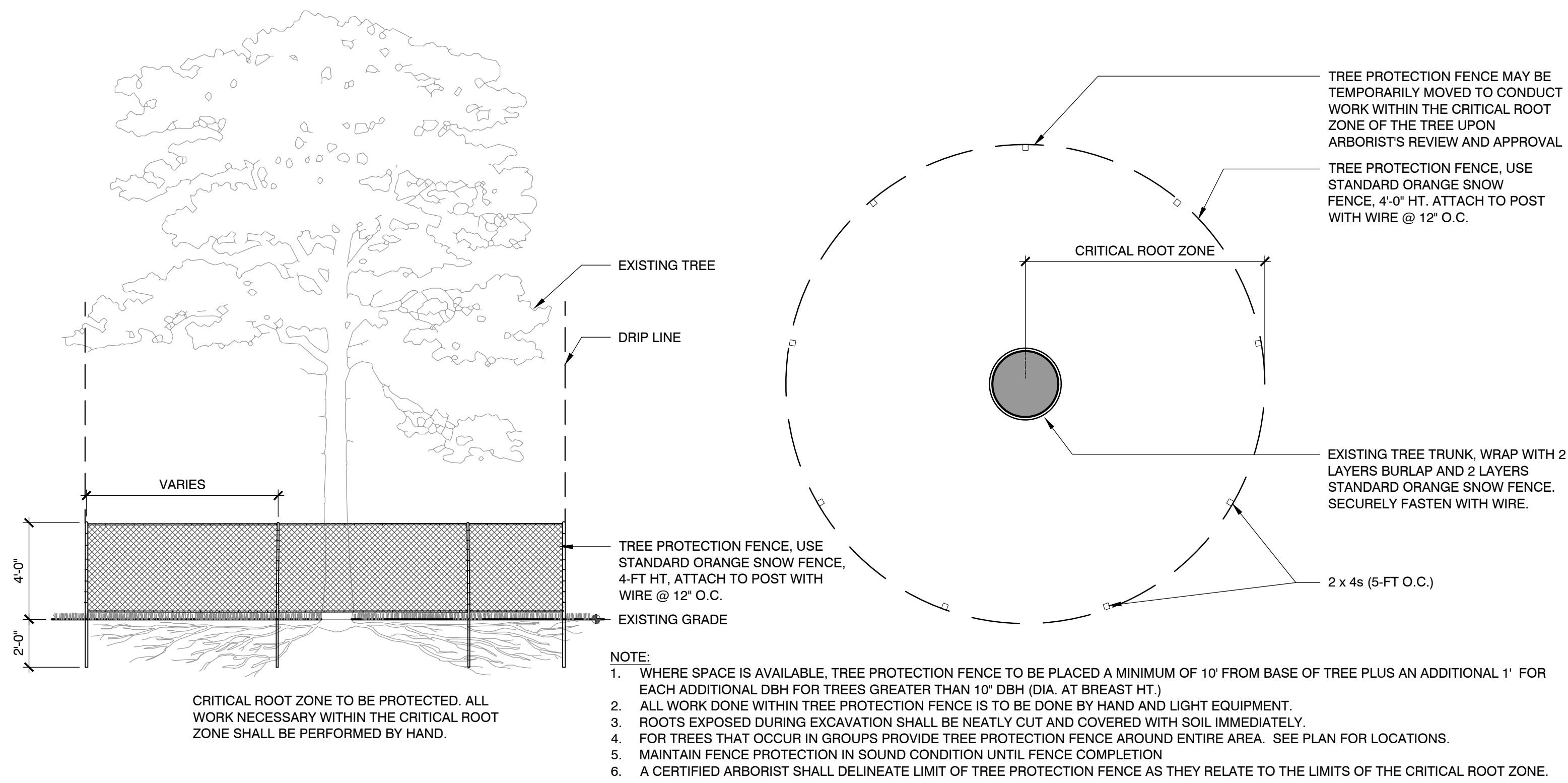
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 Date: July 11, 2019
 Drawn By: ACG
 Reviewed By: JL
 Approved By: CR
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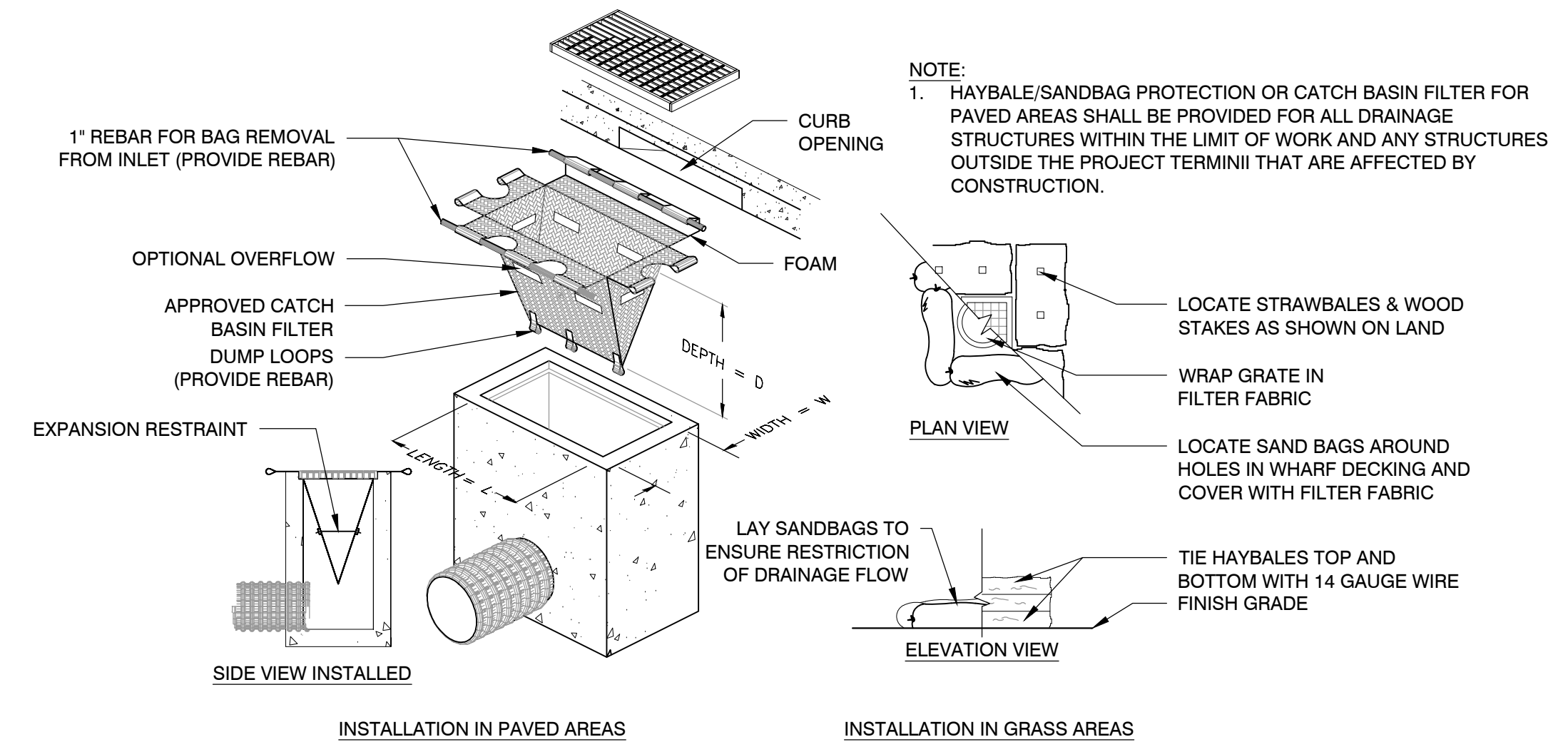
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GRADING, DRAINAGE, & UTILITY PLAN (FOR ILLUSTRATIVE PURPOSES ONLY)

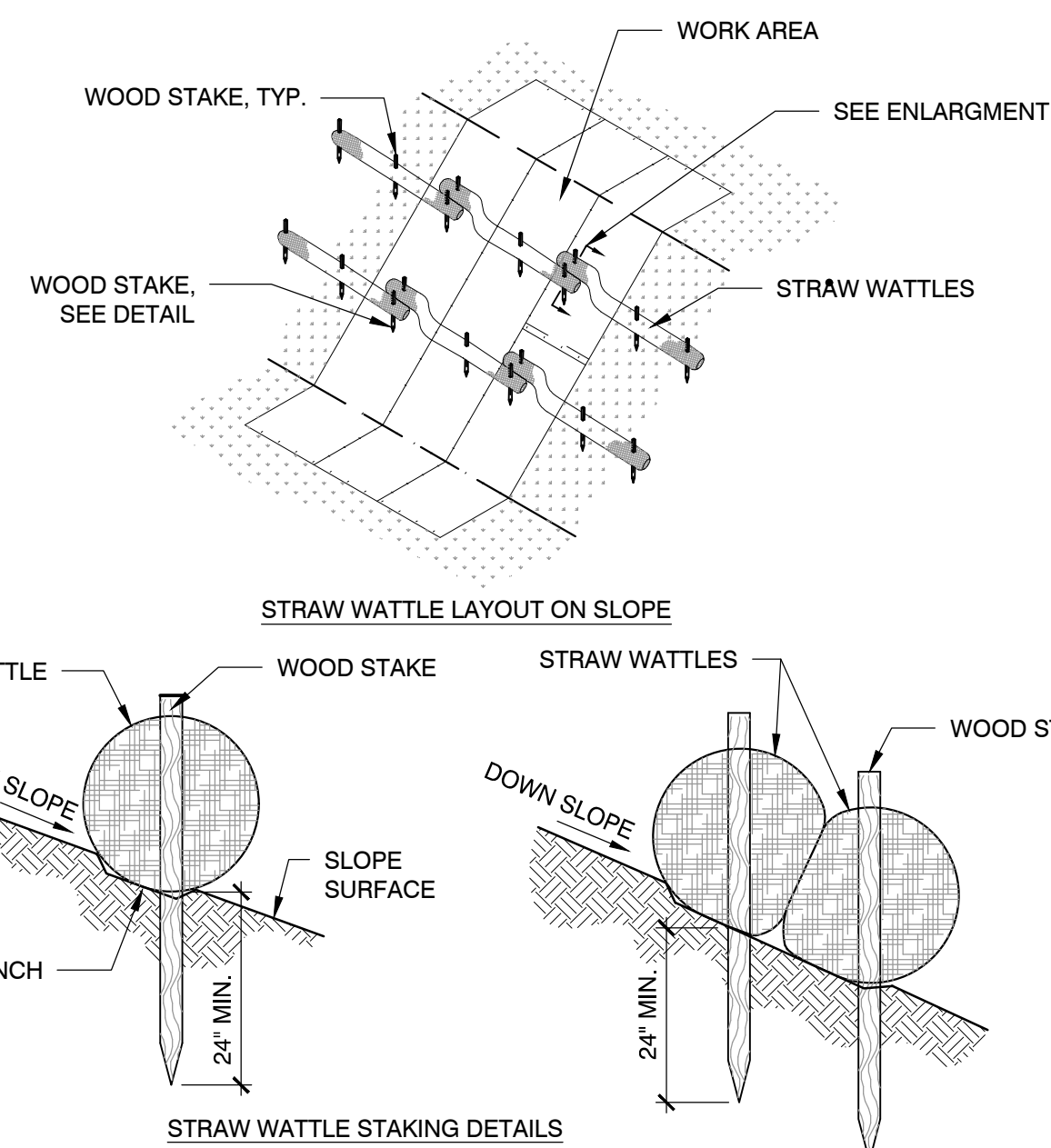
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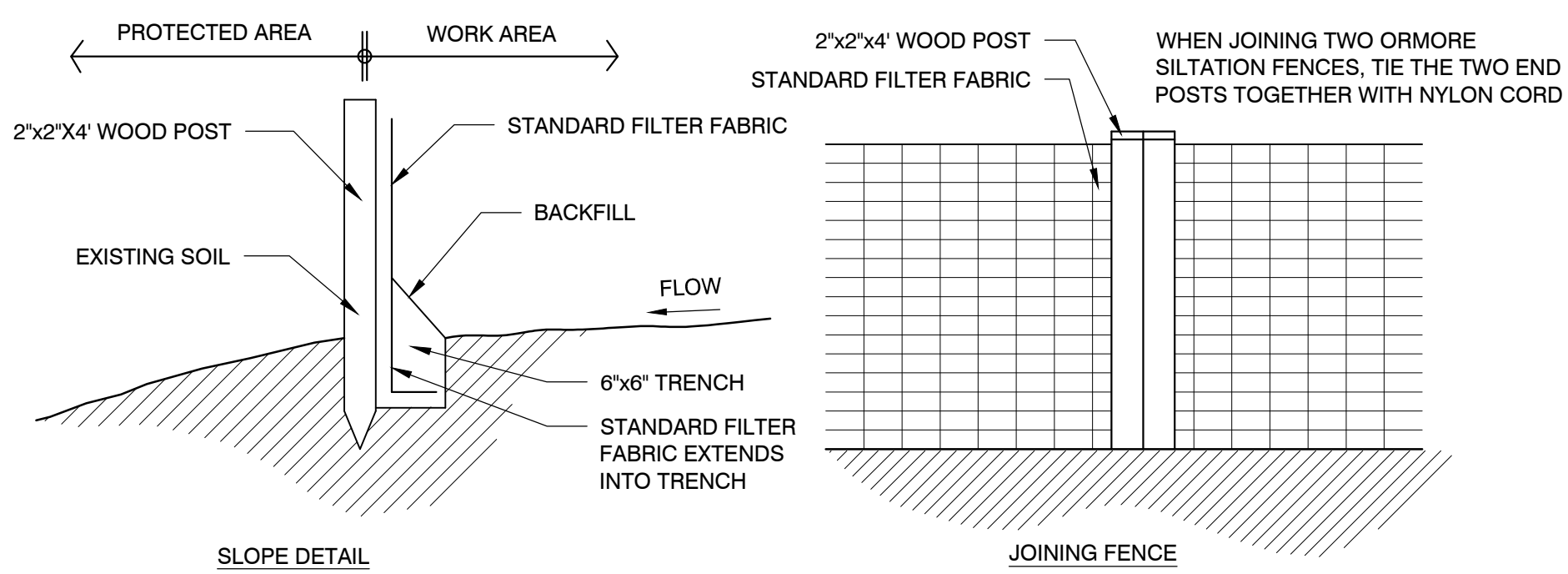
1 TREE PROTECTION
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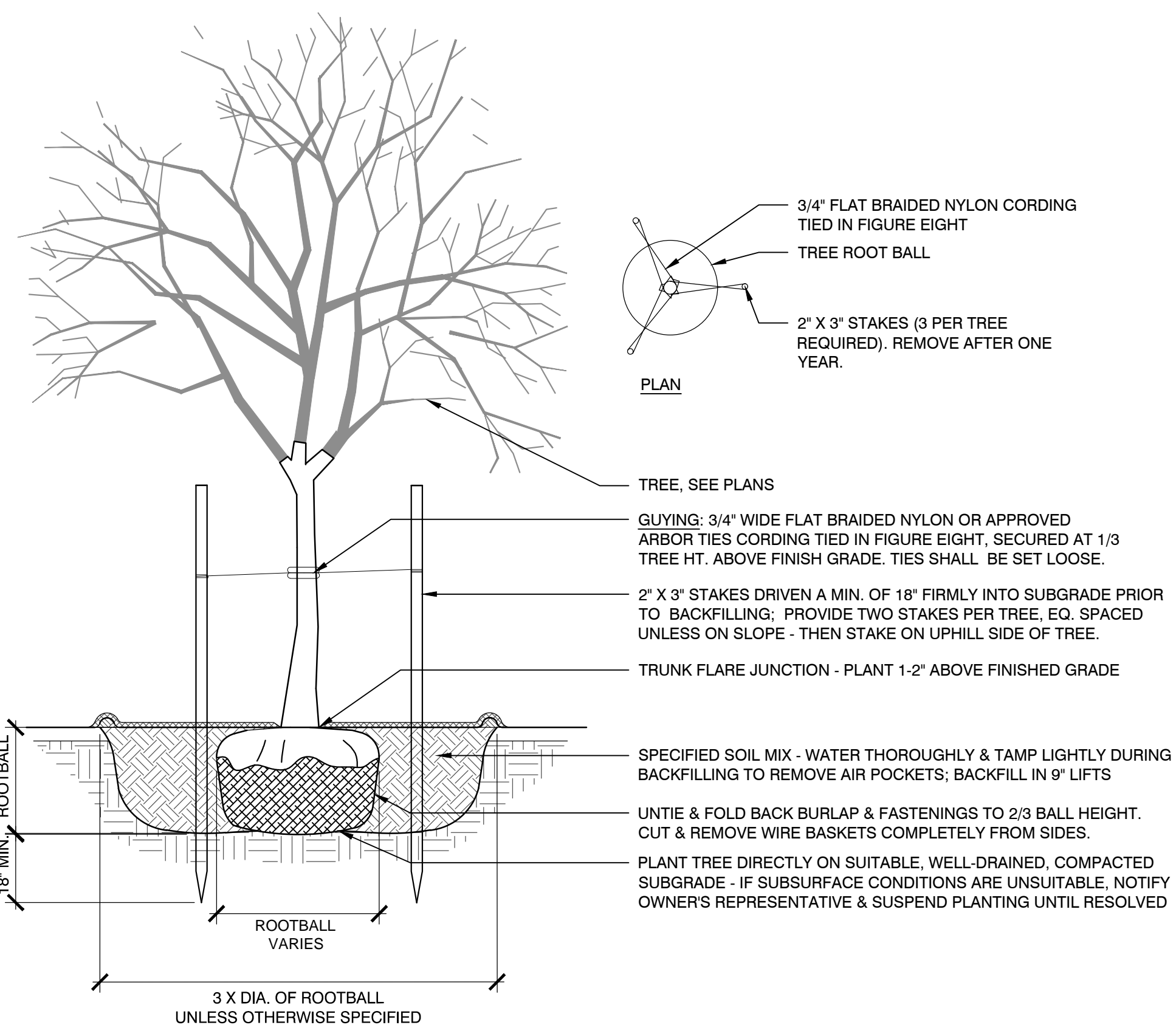
5 INLET SEDIMENT CONTROL
SCALE: N.T.S.



3 CLEANOUT
SCALE: N.T.S.

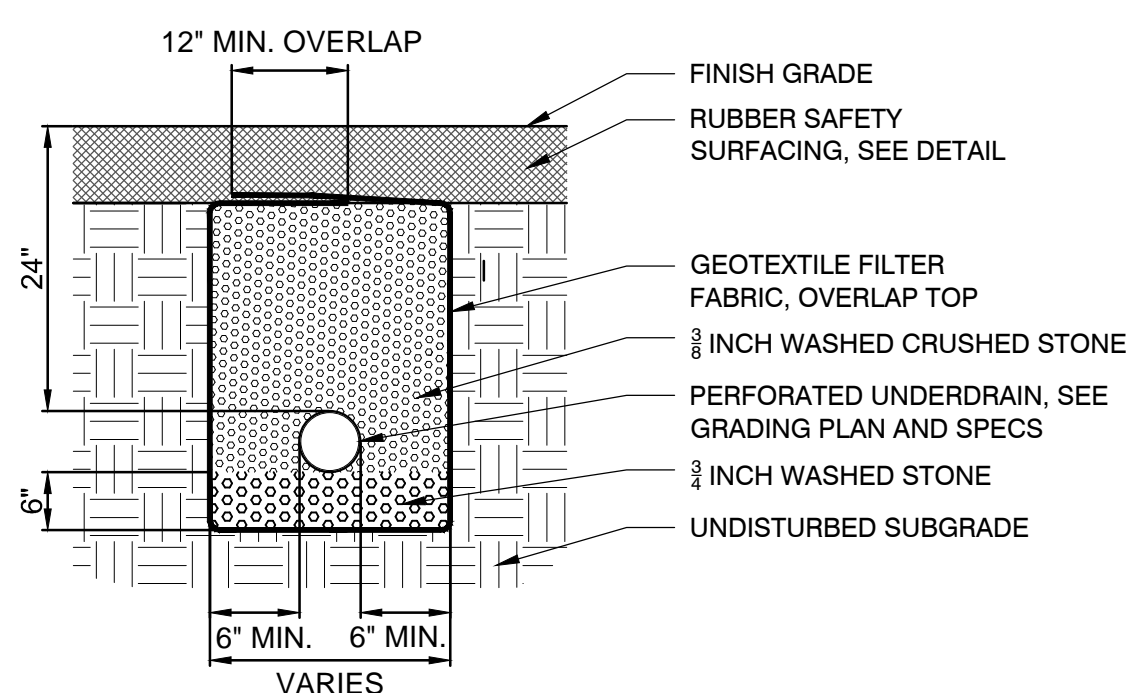


4 DRAINAGE TRENCH
SCALE: N.T.S.



6 TREE PLANTING AND STAKING
SCALE: N.T.S.

2 EROSION CONTROL- STRAW WATTLES
SCALE: N.T.S.



2 EROSION CONTROL- STRAW WATTLES
SCALE: N.T.S.

Consultants:

Revisions:

No.	Date	Description

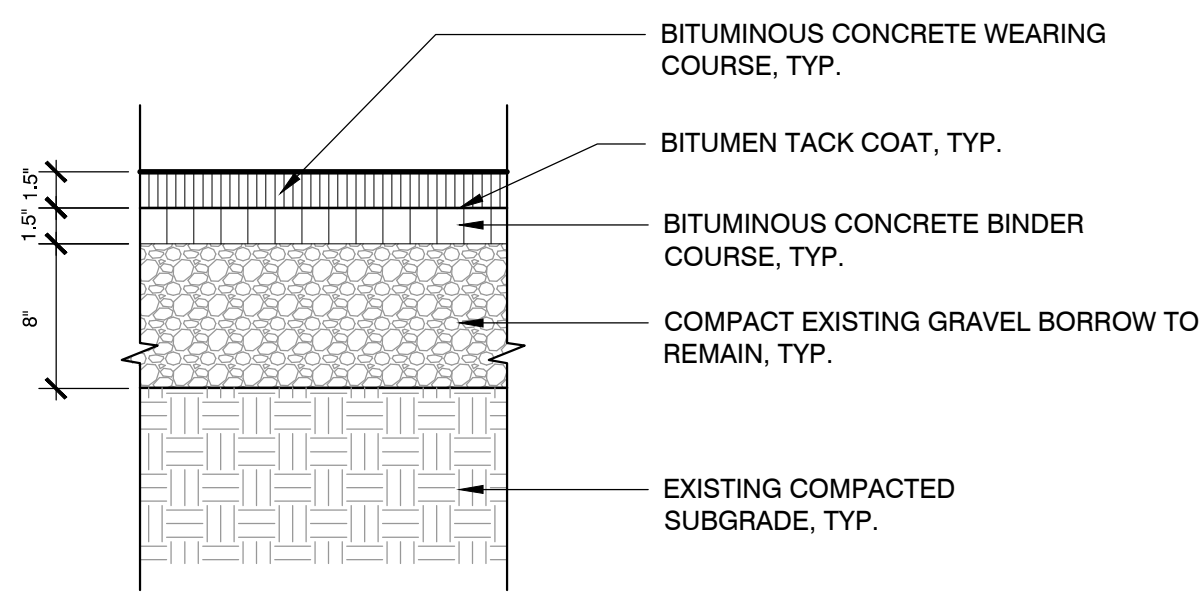
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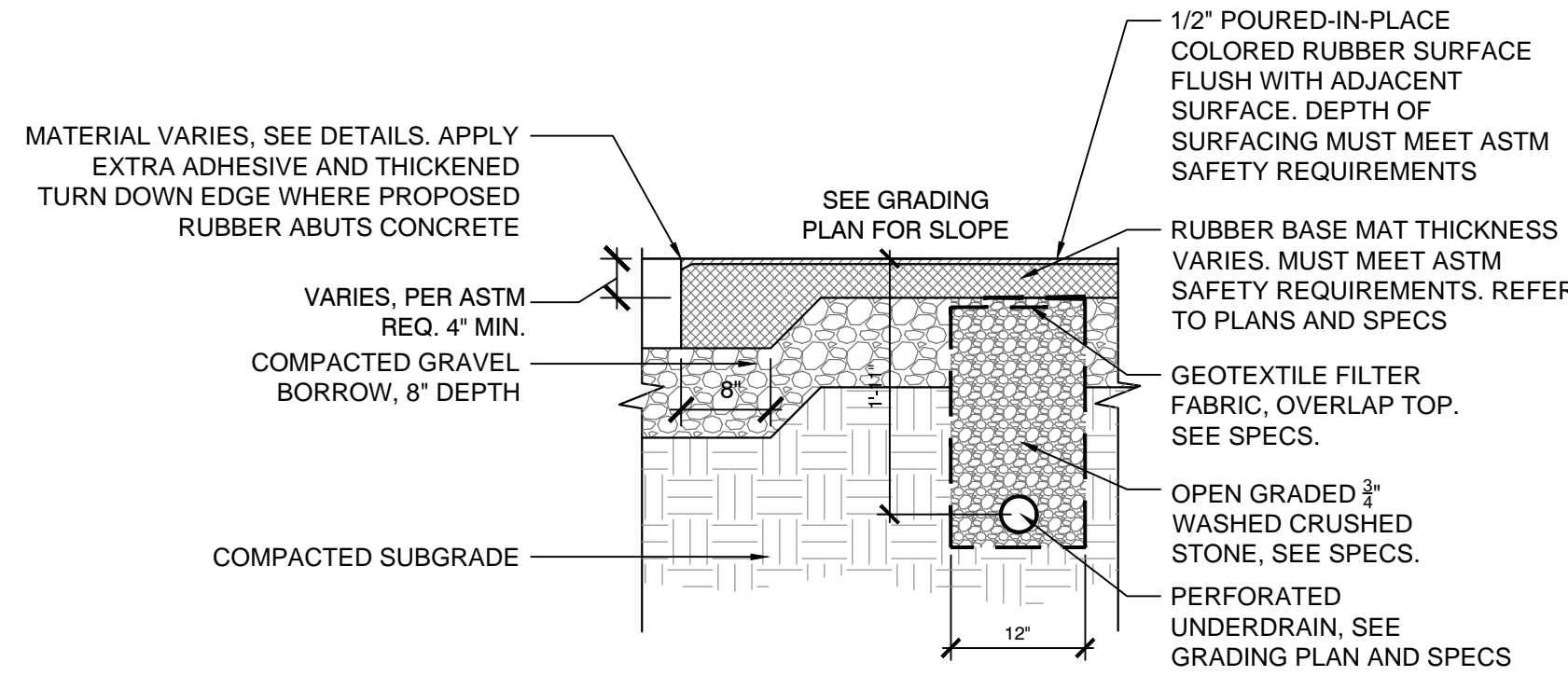
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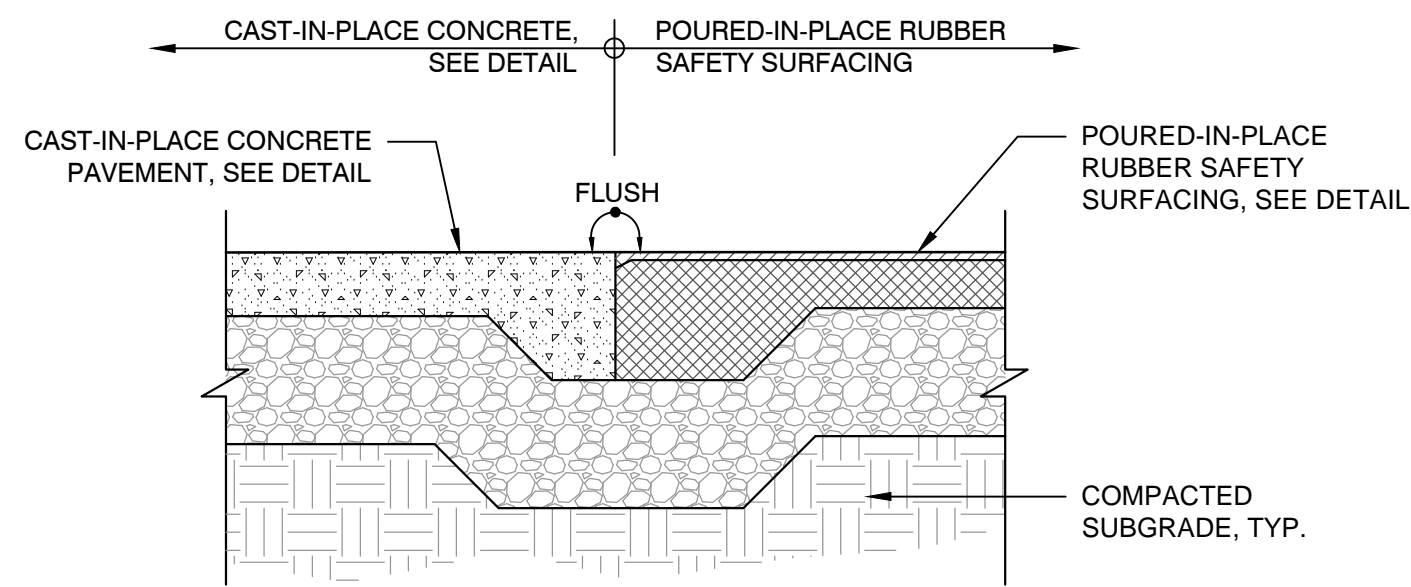


NOTE:
1. CONTRACTOR TO PROVIDE SMOOTH TRANSITION WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT, TYP.

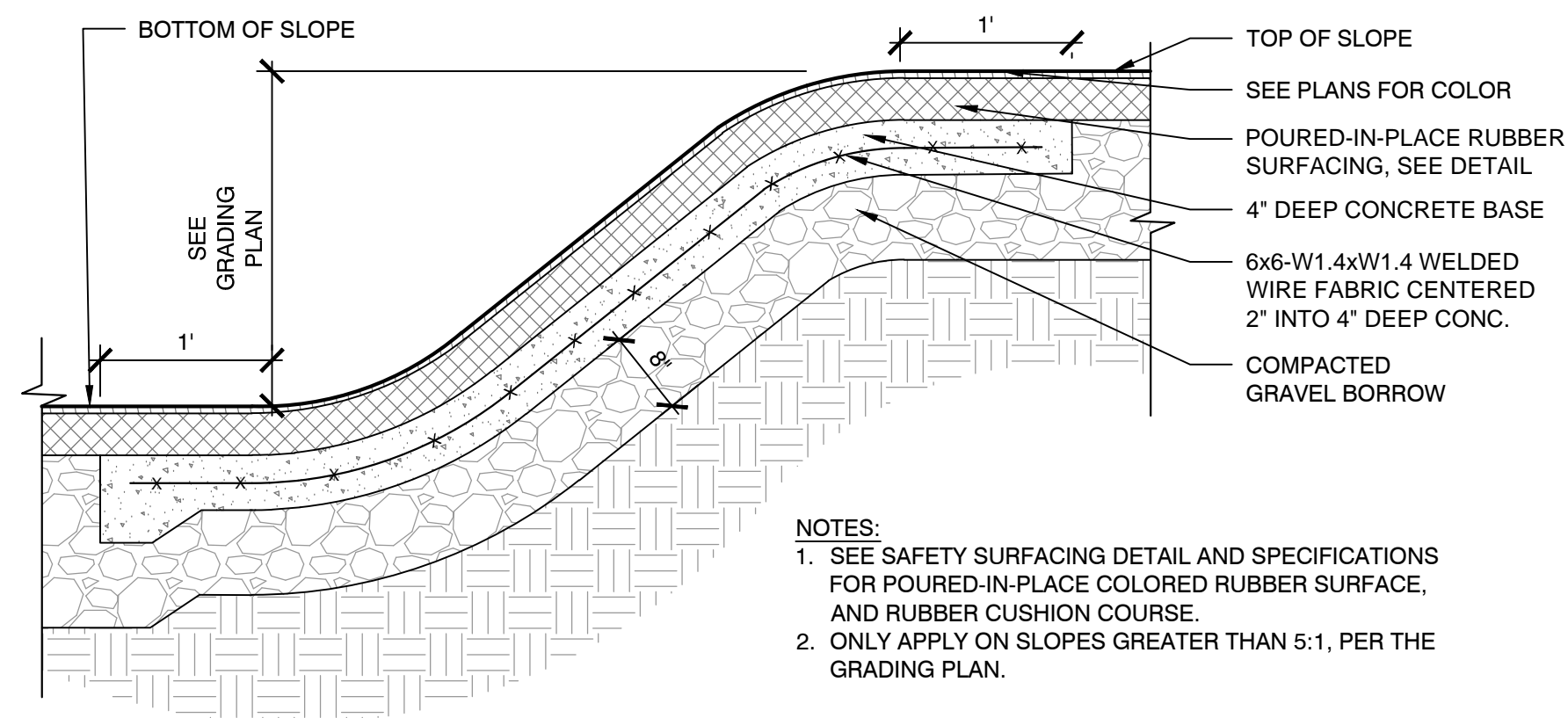
1 BITUMINOUS CONCRETE PAVEMENT
SCALE: N.T.S.



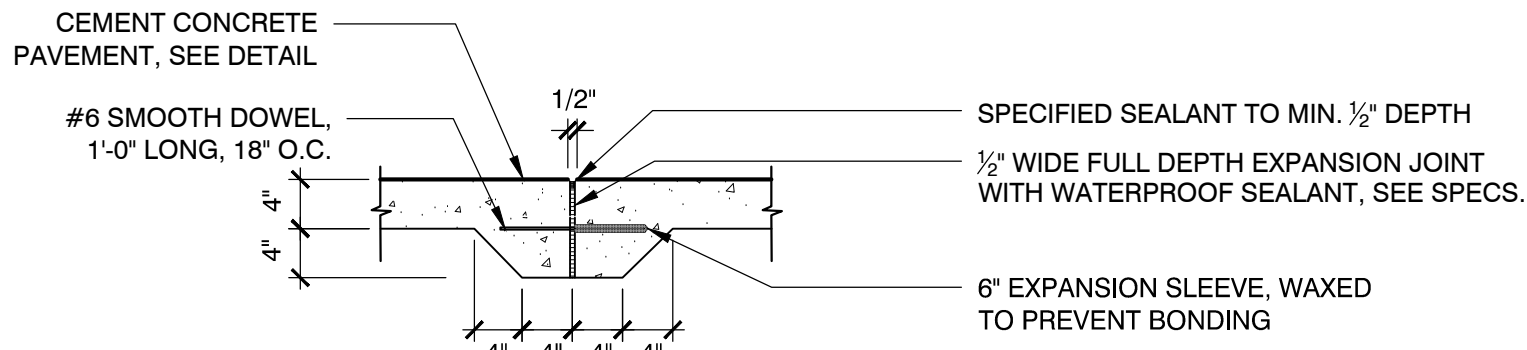
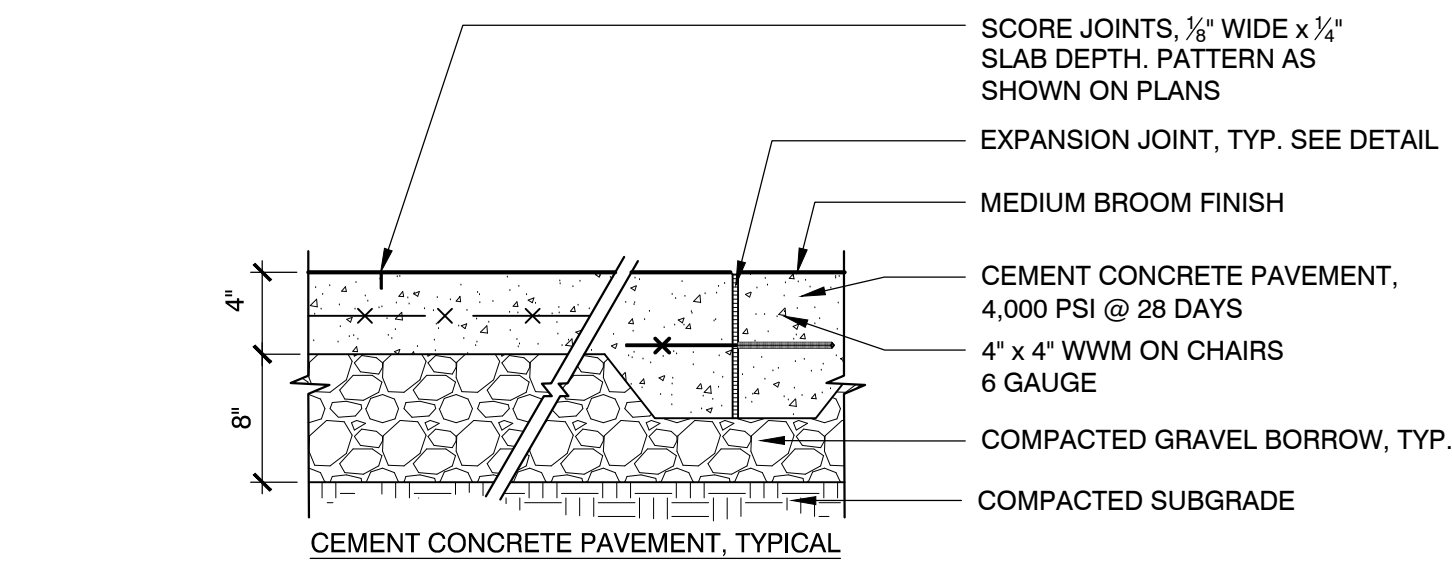
2 POURED-IN-PLACE RUBBER SAFETY SURFACING
SCALE: N.T.S.



3 POURED-IN-PLACE RUBBER SAFETY SURFACING AT CIP CONCRETE
SCALE: N.T.S.



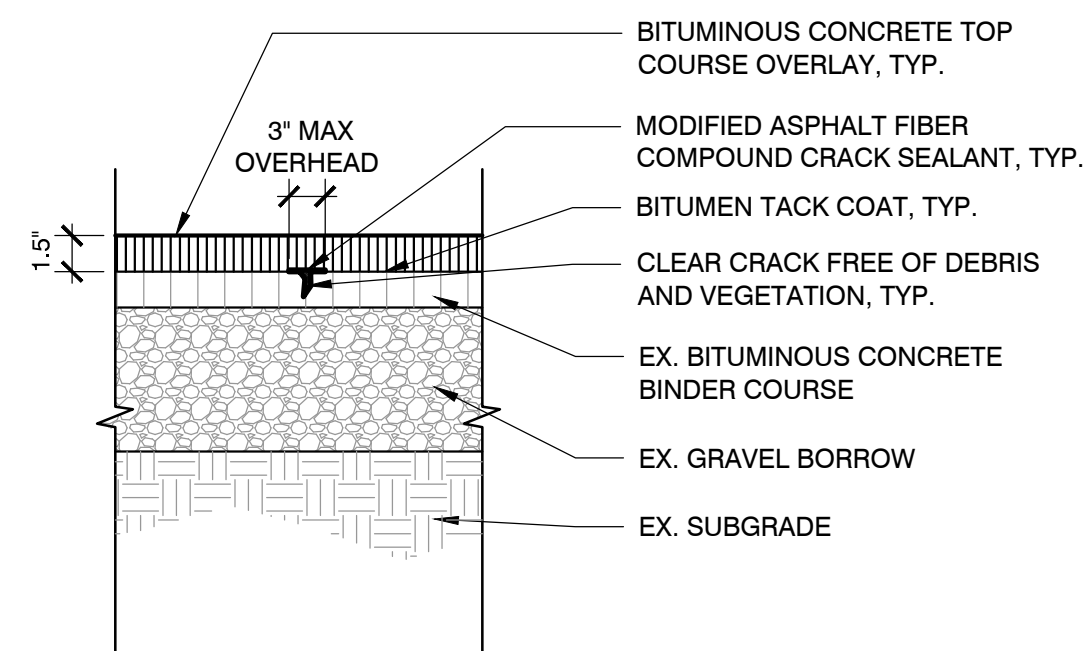
4 POURED-IN-PLACE RUBBER SAFETY SURFACING AT SLOPE
SCALE: N.T.S.



EXPANSION JOINT INSTALLATION NOTES:
1. DOWEL IS TYPICAL AT ALL EXPANSION JOINTS (18\"/>

EXPANSION JOINT, TYPICAL

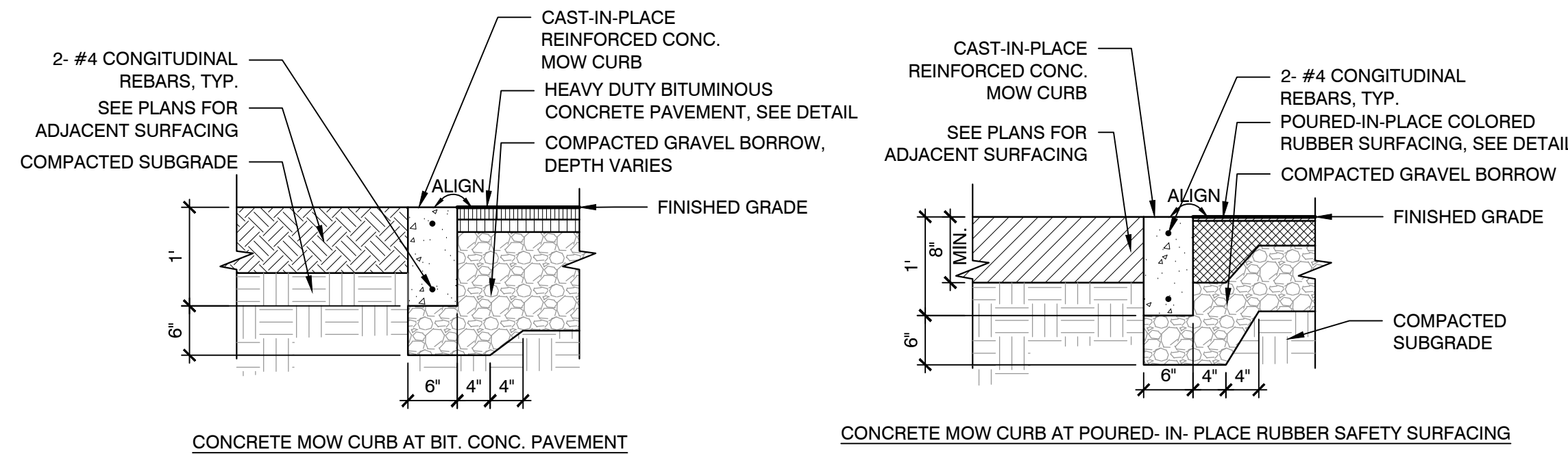
5 CAST-IN-PLACE CONCRETE PAVEMENT
SCALE: N.T.S.



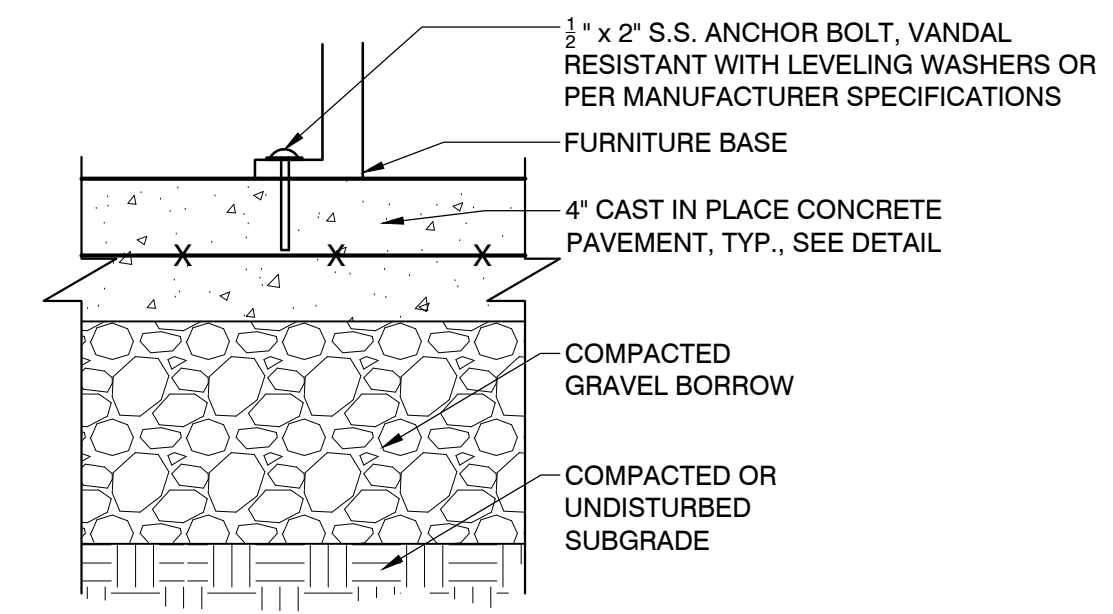
NOTES:
1. CONTRACTOR TO PROVIDE SMOOTH TRANSITION WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT, TYP.

6 BITUMINOUS CONCRETE CRACK REPAIR AND OVERLAY (ADD ALTERNATE #2)
SCALE: N.T.S.

NOTES:
1. MOW STRIP CORNERS ADJACENT TO RESILIENT SURFACING SHALL BE SQUARE TO ENSURE SMOOTH INTERFACE BETWEEN MATERIALS.
2. MOW STRIP CORNERS ADJACENT TO PLANTING BED OR LAWN AREAS WILL HAVE 3/4\"/>

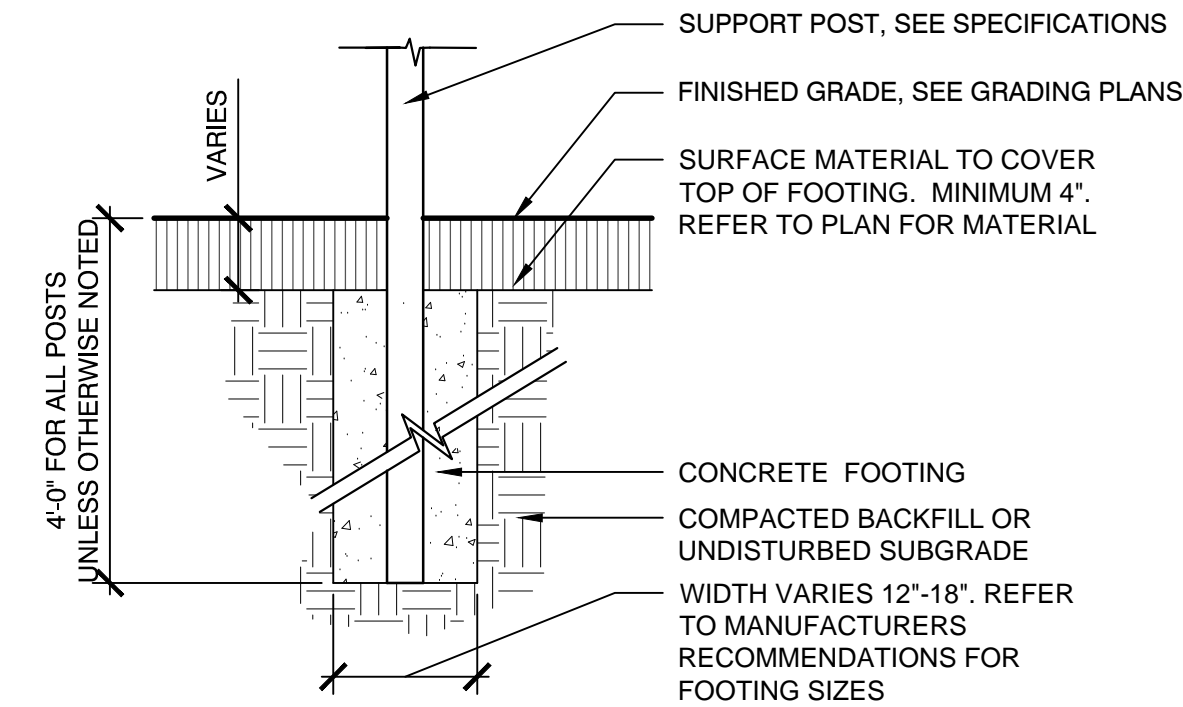


7 CONCRETE MOW STRIP
SCALE: N.T.S.



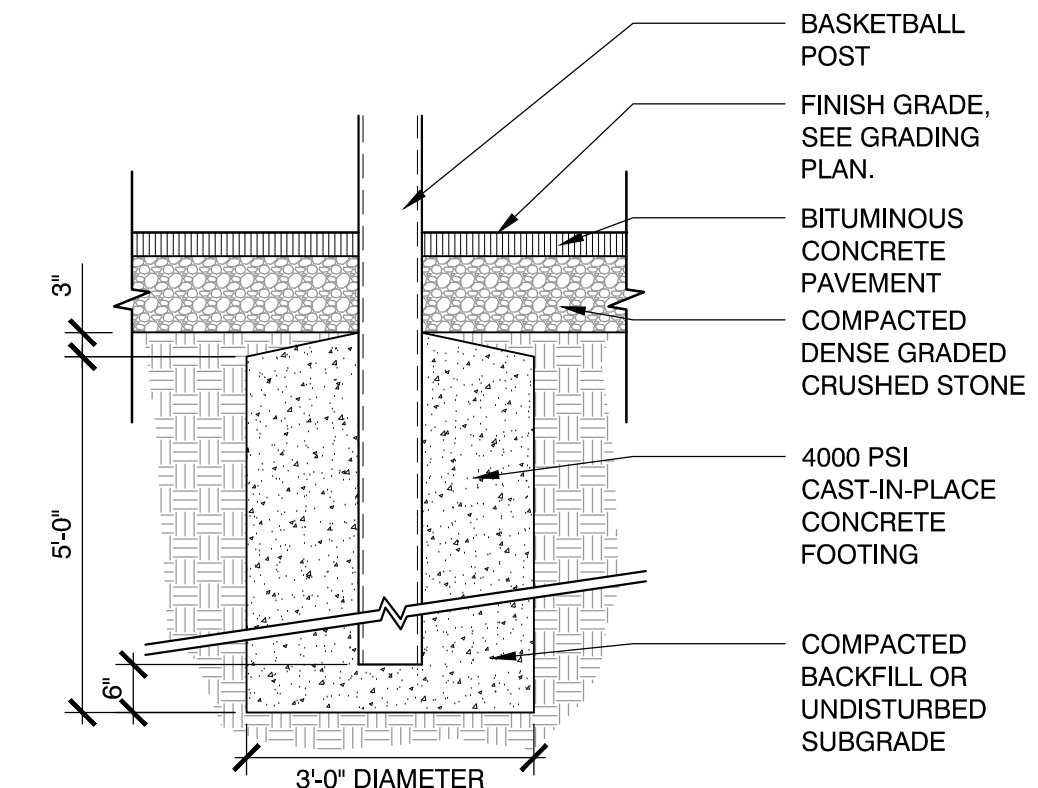
NOTE:
1. ALL SITE FURNISHINGS SHALL BE SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS.

8 BENCH - SURFACE MOUNT
SCALE: N.T.S.



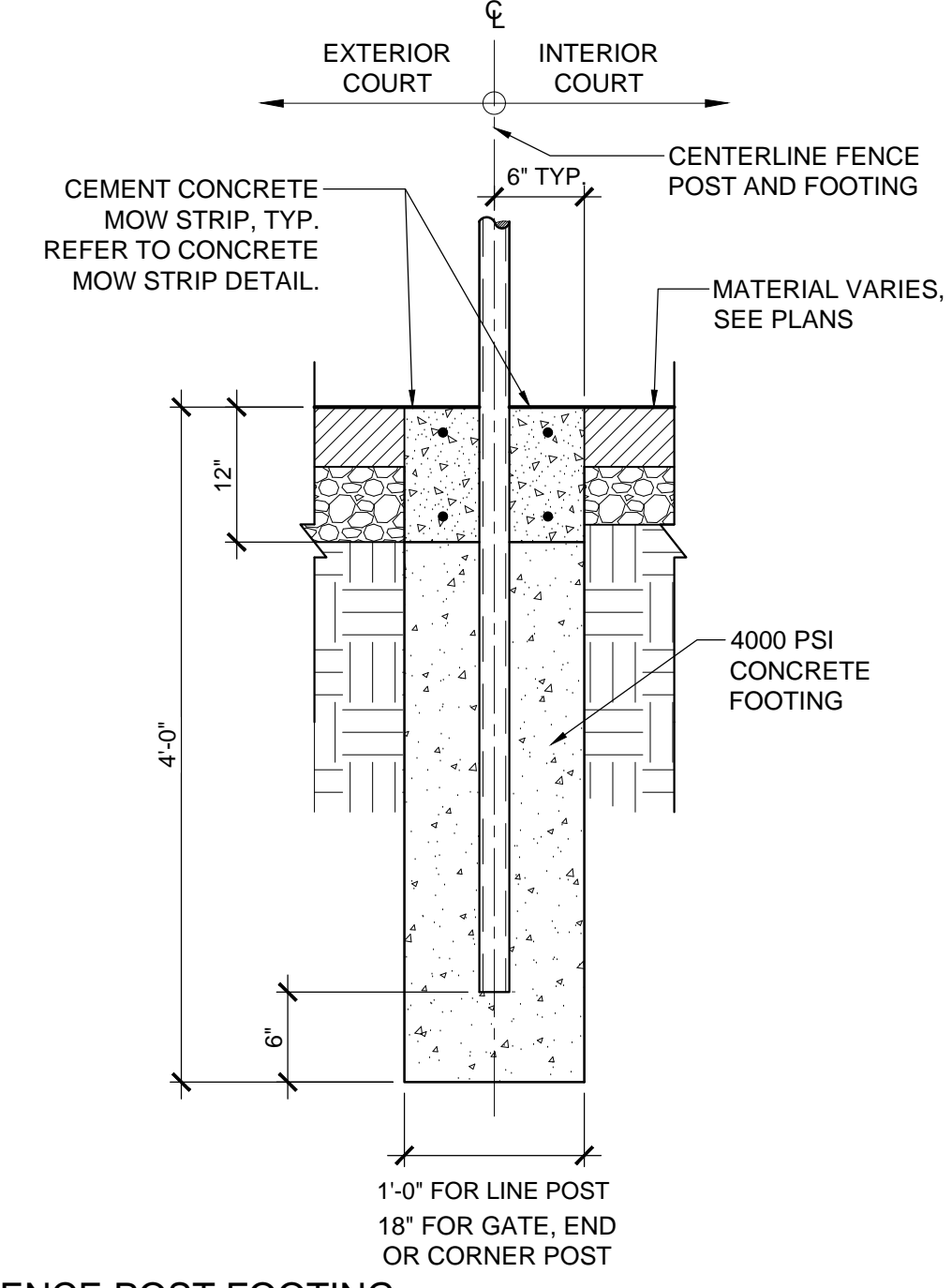
NOTE:
1. FOOTINGS SHALL BE REQUIRED FOR ALL POSTS AND GROUND CONNECTIONS, SEE PLANS.

9 PLAY STRUCTURE FOOTING
SCALE: N.T.S.



NOTE:
1. SUBMITTAL SHALL INCLUDE DETAIL(S) OF MANUFACTURER'S RECOMMENDED INSTALLATION.

10 BASKETBALL POST FOOTING
SCALE: N.T.S.



11 FENCE POST FOOTING
SCALE: N.T.S.

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Revisions:

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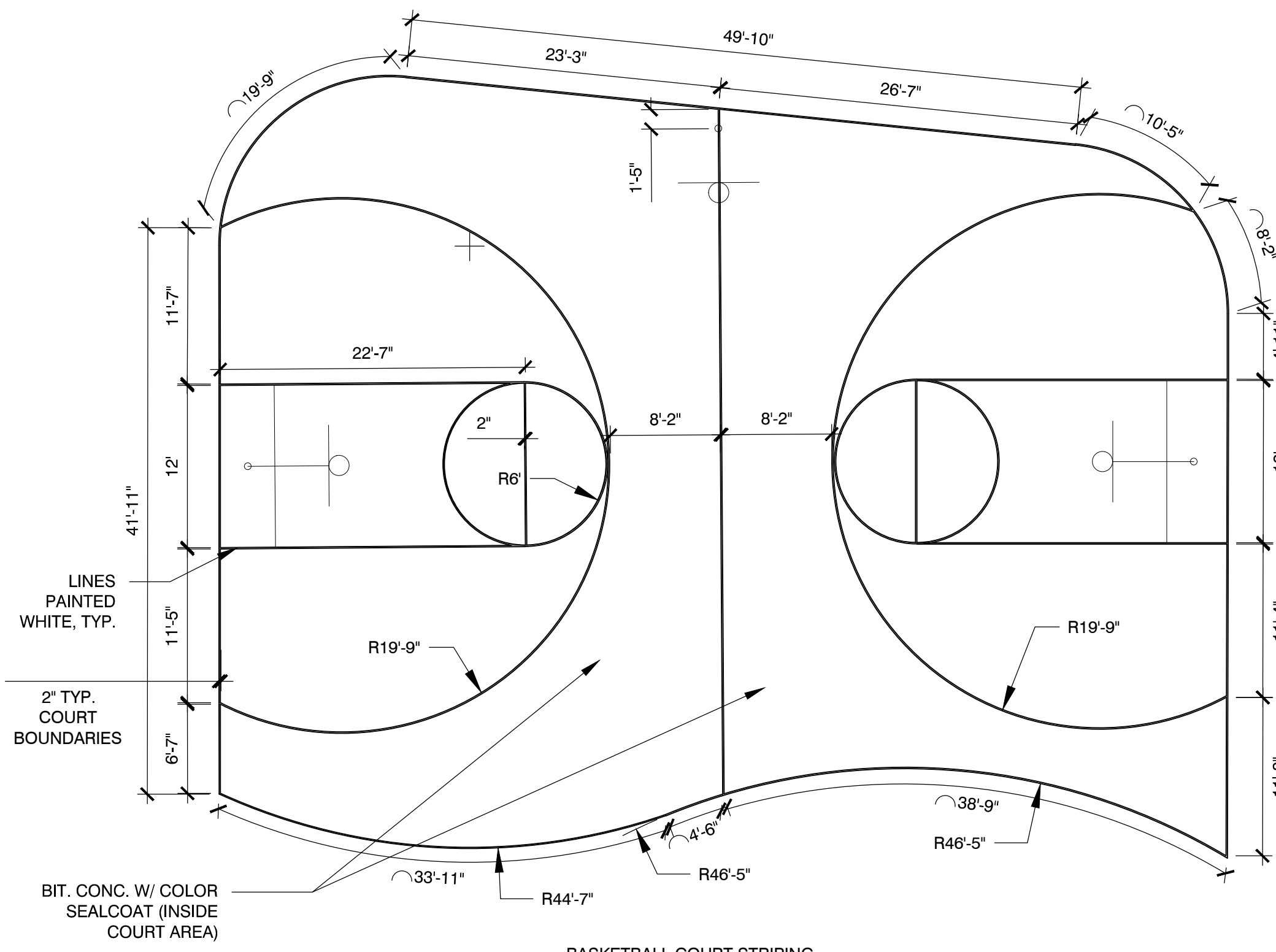
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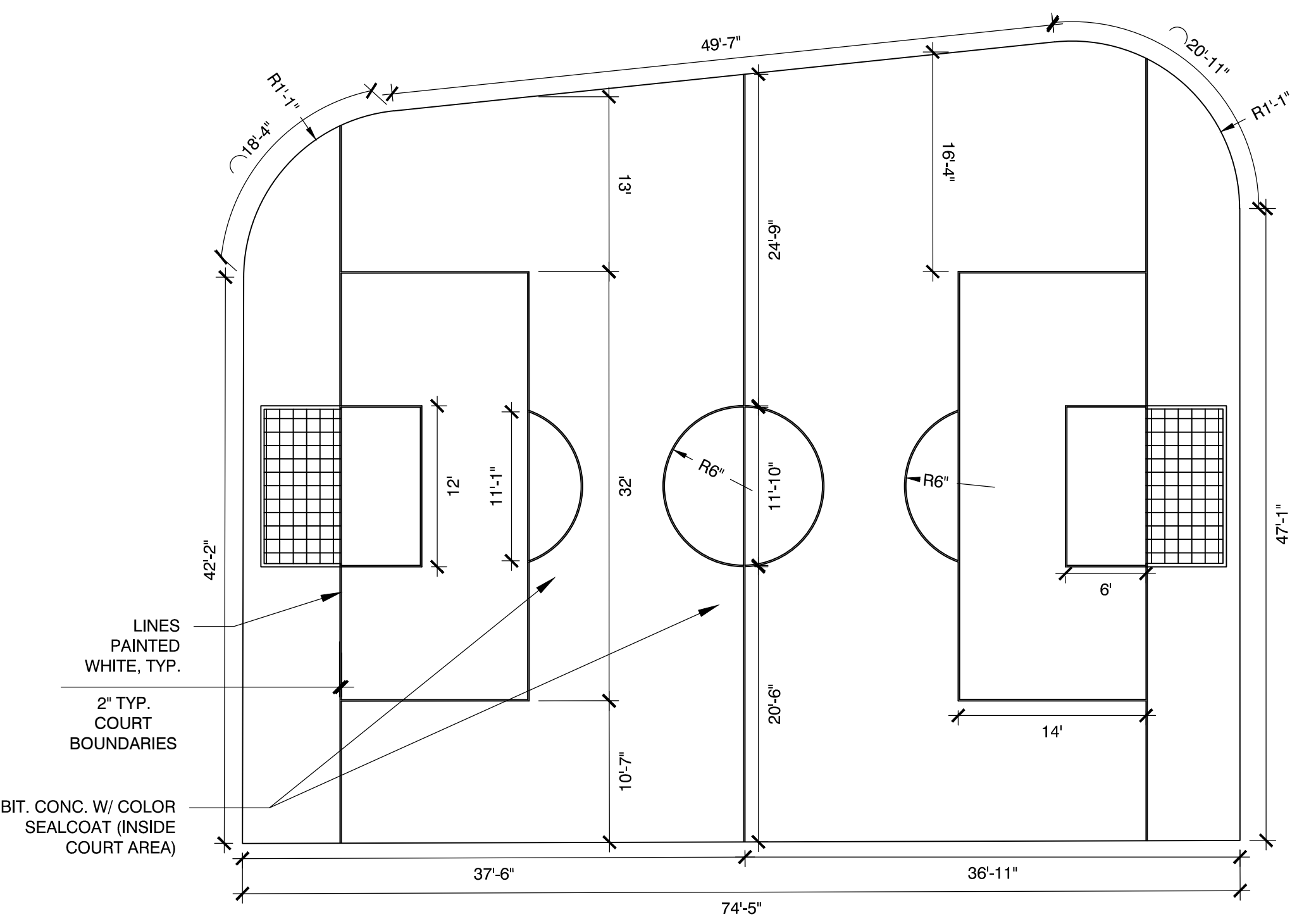
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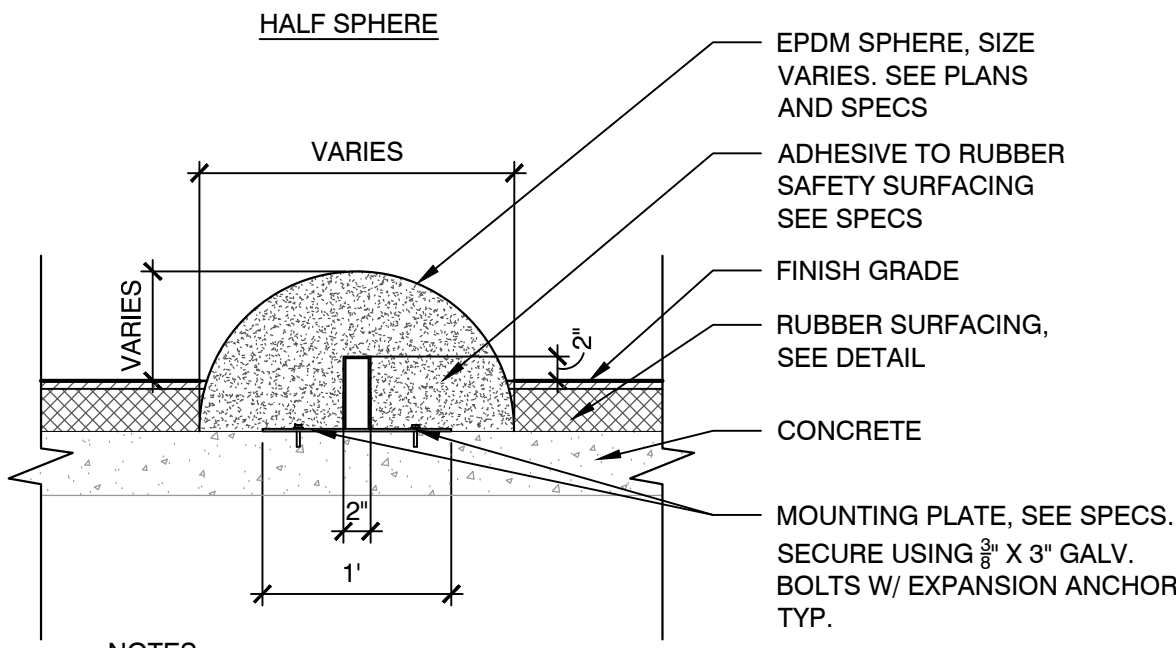
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1 BASKETBALL LAYOUT
SCALE: N.T.S.

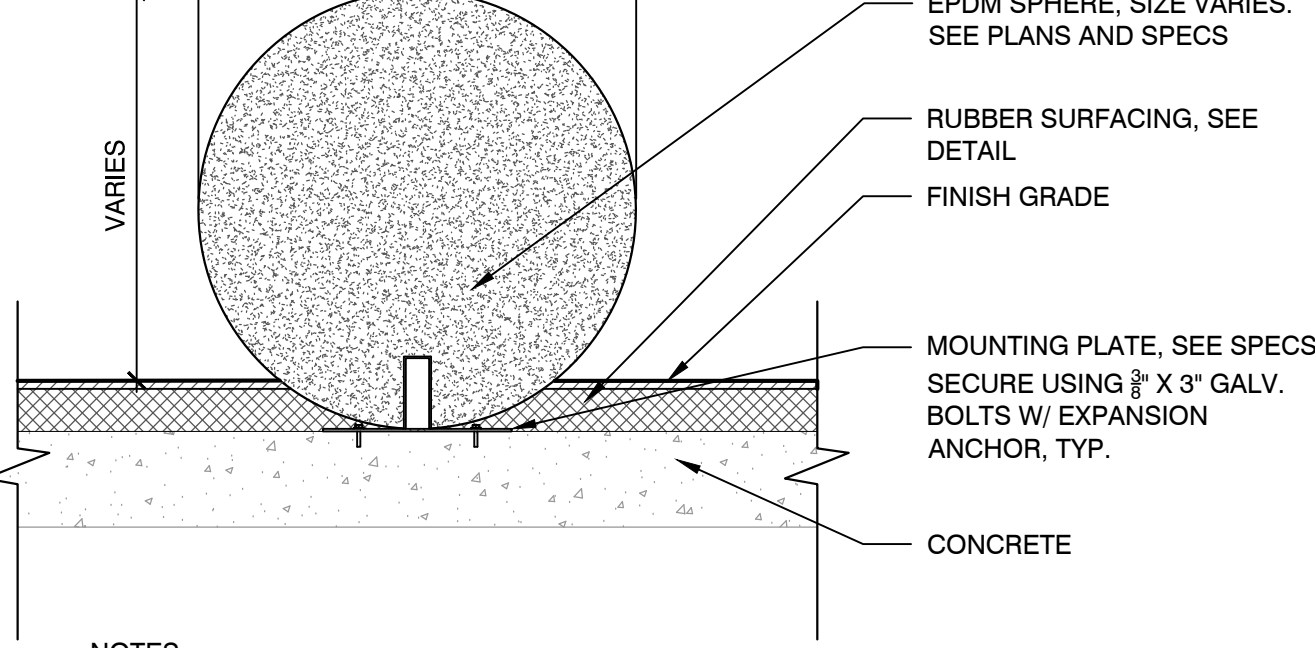


2 SOCCER LAYOUT
SCALE: N.T.S.

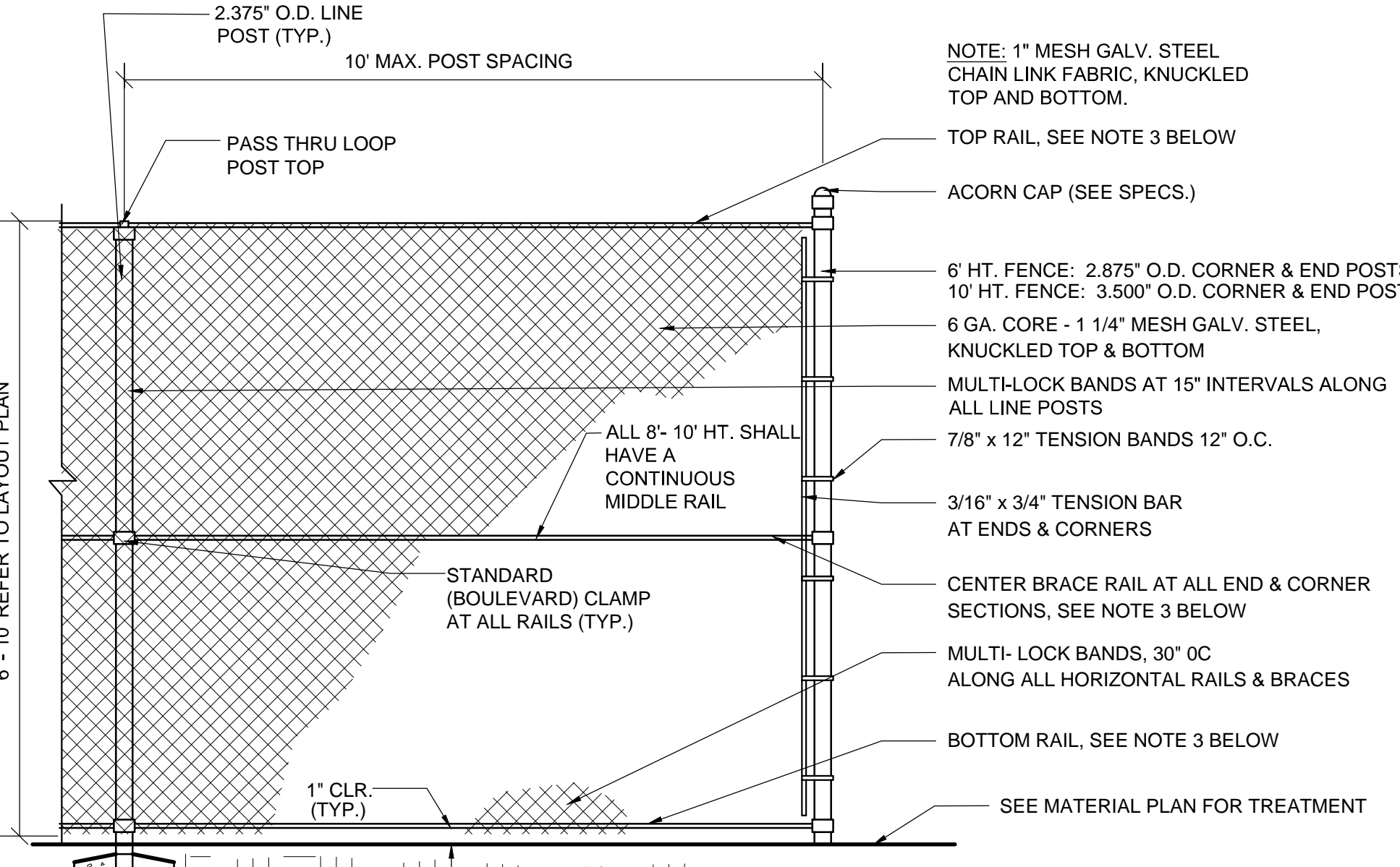


NOTES:
1. MIN. CONCRETE ANCHOR SIZE: $\frac{3}{8}$ " x 3"
2. SEE PLAN FOR SIZE AND LOCATION

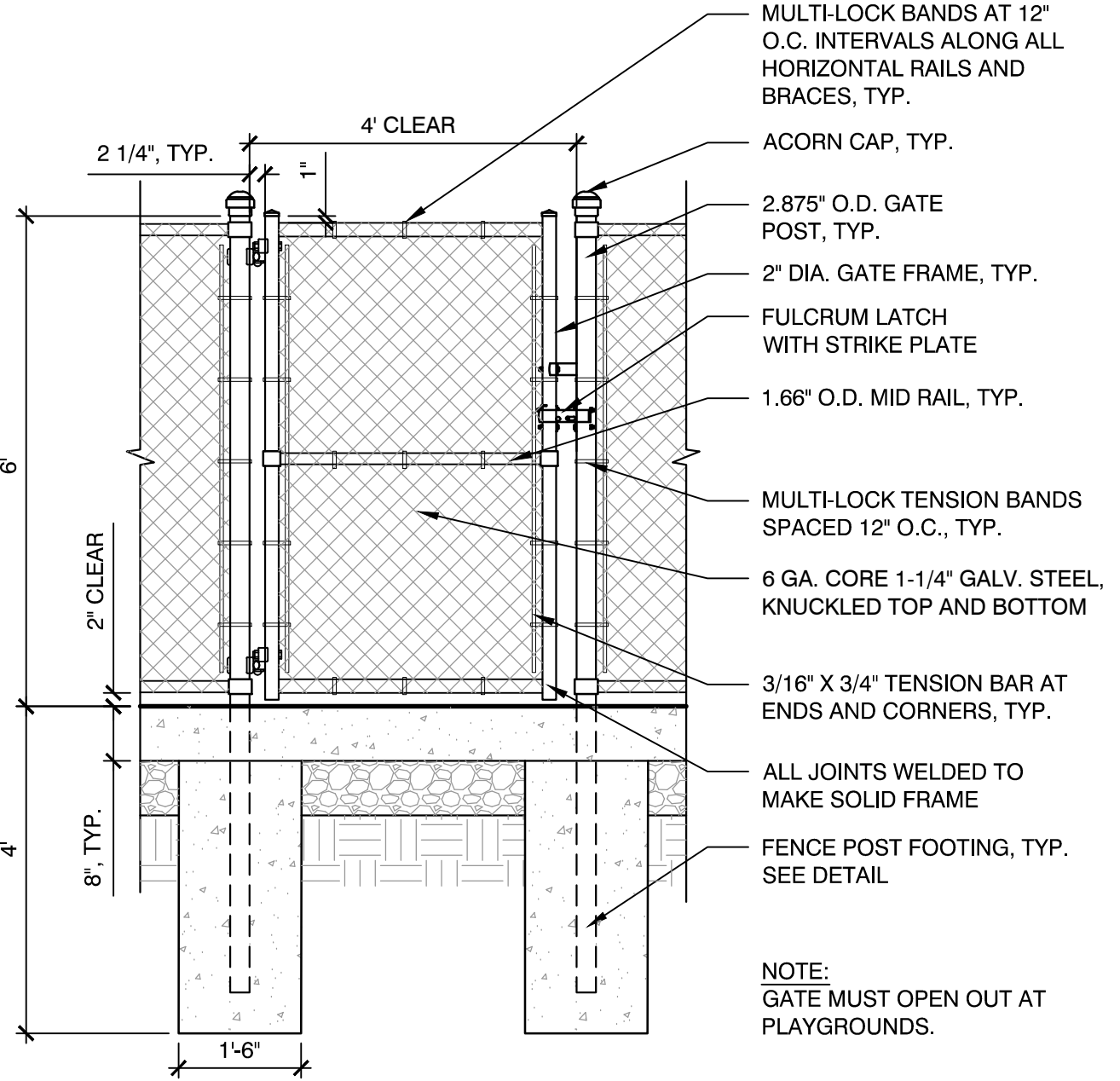
3 PLAY SPHERES
SCALE: N.T.S.



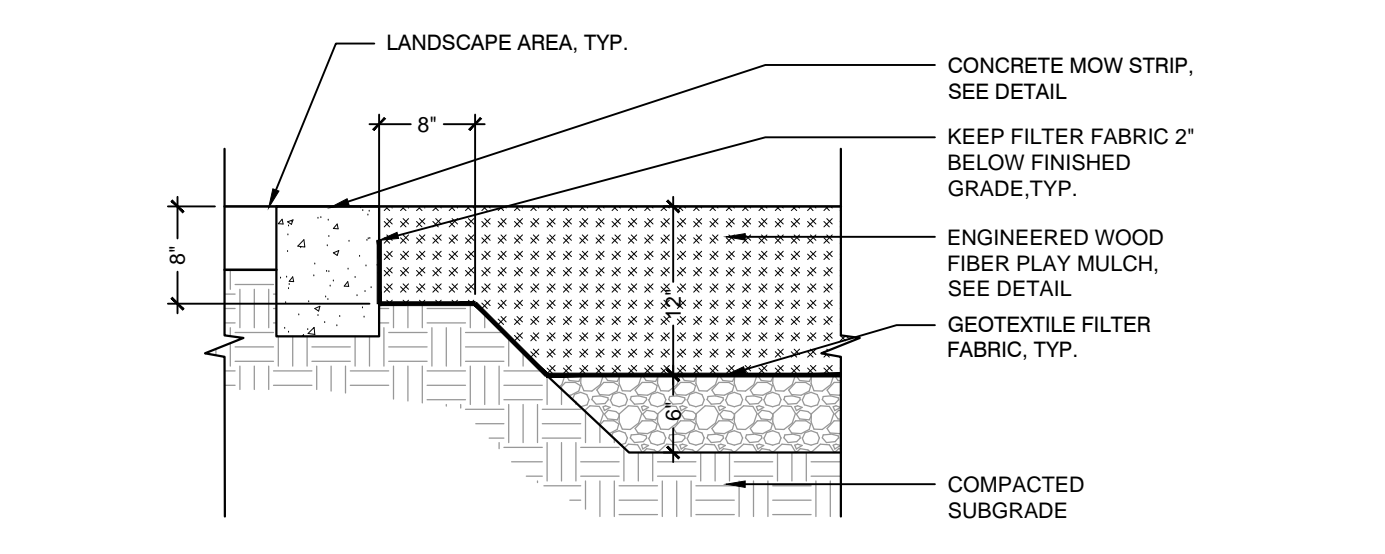
NOTES:
1. MIN. CONCRETE ANCHOR SIZE: $\frac{3}{8}$ " x 3"
2. SEE PLAN FOR SIZE AND LOCATION



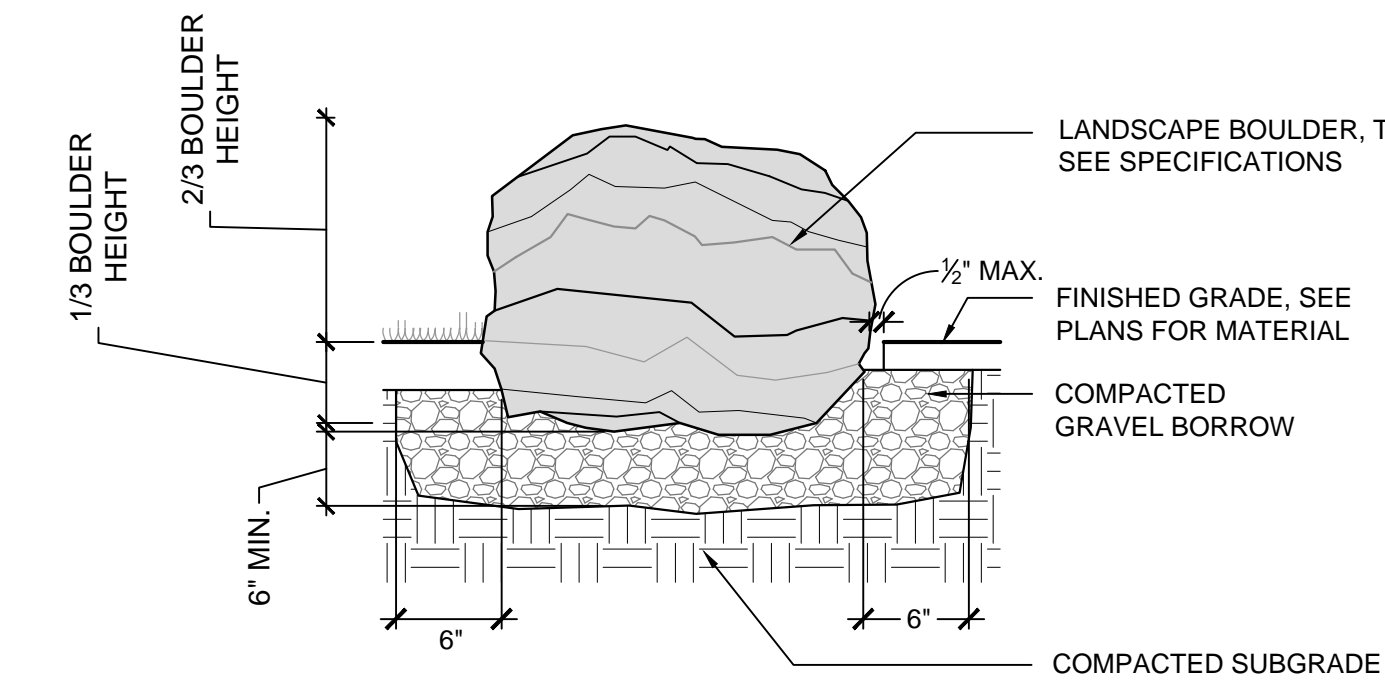
4 CHAIN LINK FENCE
SCALE: N.T.S.



5 CHAIN LINK SINGLE SWING GATE
SCALE: N.T.S.



6 ENGINEERED WOOD FIBER MULCH
SCALE: N.T.S.



7 LANDSCAPE BOULDER
SCALE: N.T.S.

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Sheet Number:
L5.02