



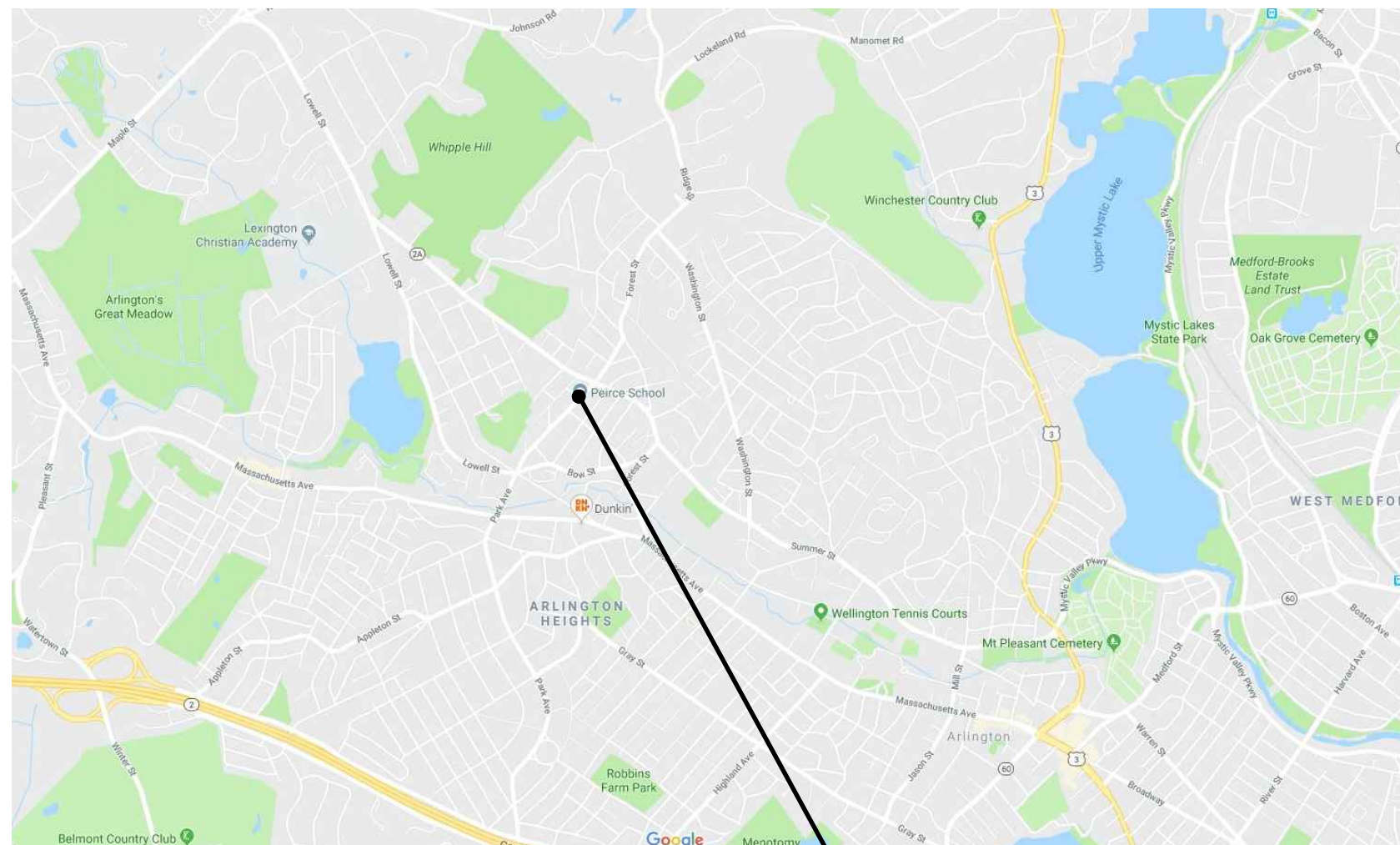
# Town of Arlington, Massachusetts

## PLANS FOR THE IMPROVEMENTS TO Playground at Peirce Elementary School

85 Park Avenue Extension  
Arlington, Massachusetts

### TOWN OF ARLINGTON, MASSACHUSETTS

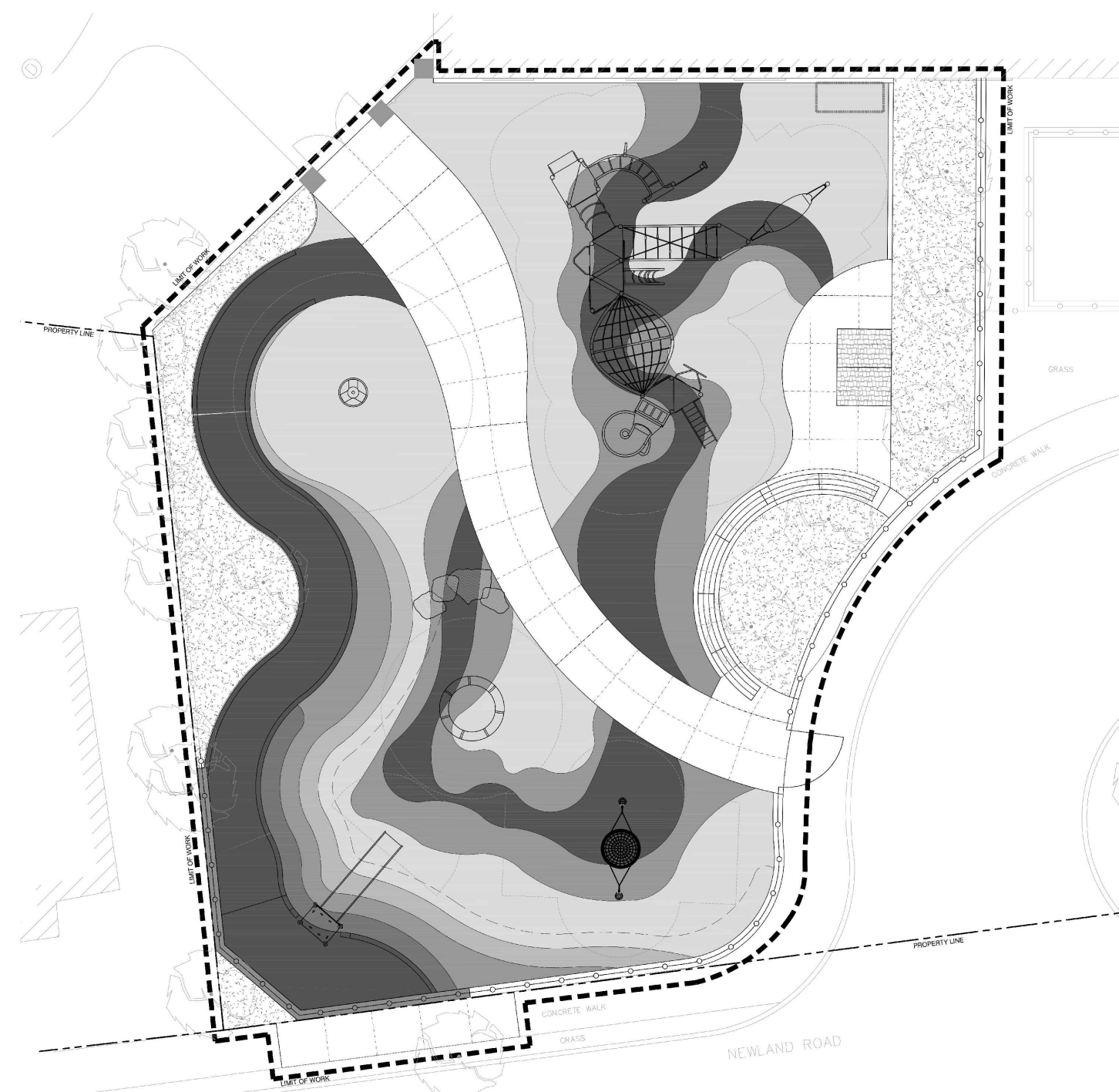
ADAM W. CHAPDELAINE  
TOWN MANAGER  
730 MASSACHUSETTS AVE  
ARLINGTON, MASSACHUSETTS, 02476  
PHONE: 781-316-3010



PEIRCE ELEMENTARY SCHOOL  
LOCUS MAP



PEIRCE ELEMENTARY SCHOOL  
AERIAL



FOR REFERENCE ONLY.

July 11, 2019

Prepared By



85 Devonshire Street, 3rd Floor  
Boston, MA 02109  
(617) 412-4480 (800) Sampson  
www.westonandsampson.com

## CONSTRUCTION DOCUMENTS

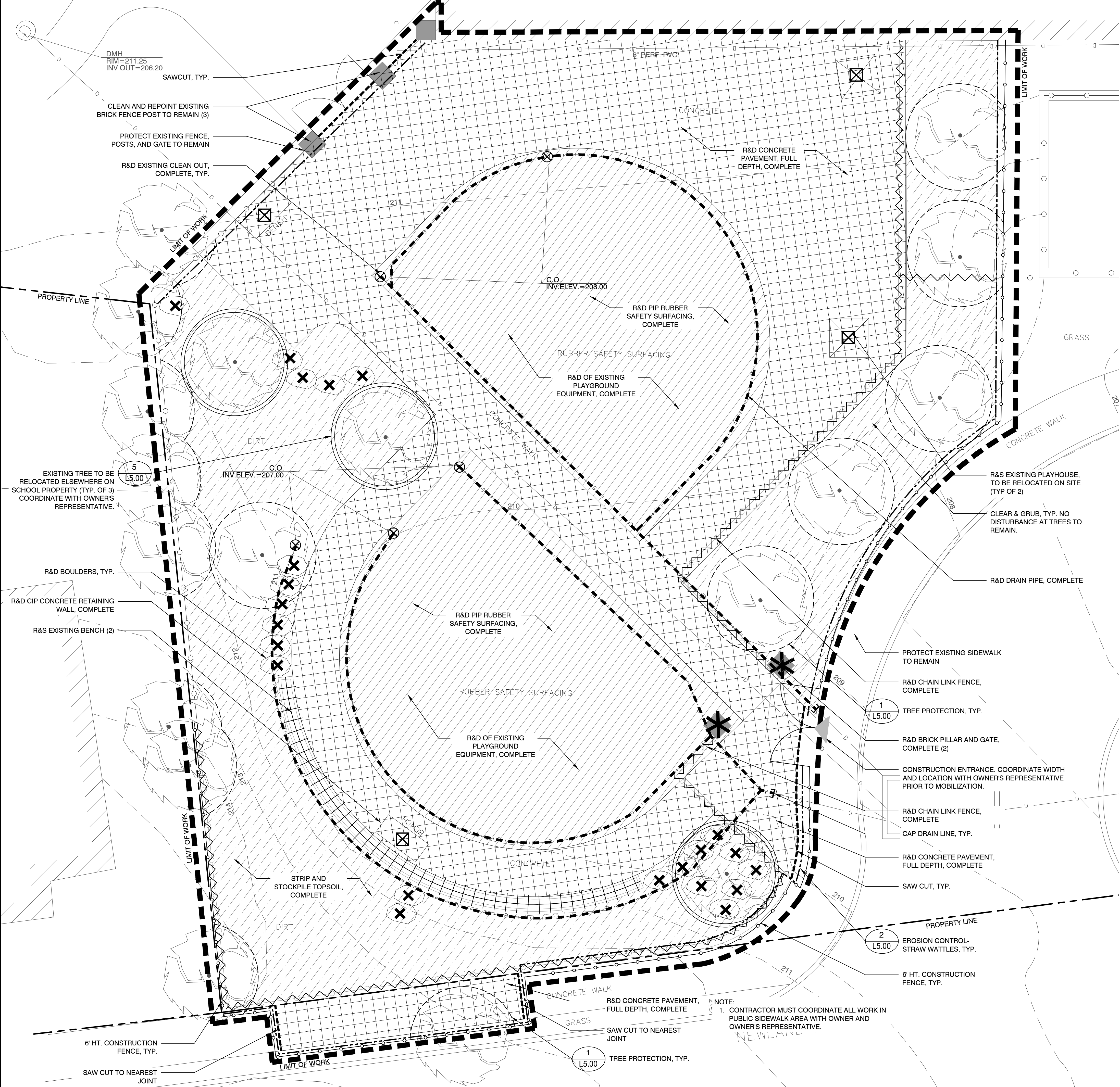
- SPECIAL NOTES REGARDING EXISTING CONDITIONS DOCUMENTATION:**
1. A CURRENT EXISTING CONDITION SITE SURVEY WAS NOT PROVIDED FOR THESE CONSTRUCTION DOCUMENTS.
  2. SITE EXISTING CONDITIONS INFORMATION SHOWN ON THESE CONSTRUCTION DOCUMENTS WAS COMPILED BASED ON PLANS FROM THE PEIRCE ELEMENTARY SCHOOL BUILDING ADDITION ISSUED IN JULY OF 2001 AND PRODUCED BY DRUMMEY ROSANE ANDERSON INC. AND JOHN G. CROWE ASSOCIATES, INC. THE PROPOSED WORK FROM THE BUILDING ADDITION PLANS HAS BEEN COMBINED WITH THE EXISTING CONDITIONS PLANS TO PRODUCE THE ESTIMATED CURRENT EXISTING CONDITIONS.
  3. IT IS IMPORTANT TO NOTE, THE EXISTING CONDITIONS INFORMATION SHOWN IS NOT EXACT AND IS BASED UPON UNVERIFIED PLAN INFORMATION RECEIVED. WESTON & SAMPSON DID NOT RECEIVE AS-BUILT PLANS FROM THE 2001 BUILDING ADDITION PROJECT. ALL EXISTING CONDITIONS INFORMATION IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD BY CONTRACTOR.
  4. DUE TO LACK OF SURVEY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL SURVEY CONTROLS AND VERTICAL AND HORIZONTAL DATUMS.

### SHEET INDEX

L0.00	COVER SHEET
L1.00	EXISTING CONDITIONS PLAN (ILLUSTRATIVE ONLY)
L2.00	SITE PREPARATION & DEMOLITION PLAN
L3.00	MATERIALS & LAYOUT PLAN
L3.01	MATERIALS ENLARGEMENT PLANS
L4.00	GRADING, DRAINAGE & UTILITY PLAN (ILLUSTRATIVE ONLY)
L5.00 - L5.02	CONSTRUCTION DETAILS
AP1	APPENDIX 1 - L-2 SITE GRADING PLAN (03/07/2001)
AP2	APPENDIX 2 - L-3 SITE UTILITY PLAN (03/07/2001)
AP3	APPENDIX 3 - L-4 SITE LAYOUT PLAN (03/07/2001)
AP4	APPENDIX 4 - L-6.F DETAILED SITE PLAN AND HANDICAP RAMP DETAIL (03/07/2001)



NOTE:  
1. CONTRACTOR TO COORDINATE WITH OWNER AND OWNER'S REPRESENTATIVE REGARDING SCHOOL ACCESS BETWEEN MAIN ENTRANCE AND NEWLAND ROAD PARKING LOT AREA DURING CONSTRUCTION PERIOD.



**LEGEND**

- LIMIT OF WORK
- - - PROPERTY LINE
- - - SAWCUT TO THE NEAREST JOINT
- ~ ~ ~ R&D CHAIN LINK FENCE, COMPLETE
- - - EROSION CONTROL- STRAW WATTLES
- - - 6' HT. CONSTRUCTION FENCE
- ||||| R&D CIP CONCRETE RETAINING WALL, COMPLETE
- R&D DRAIN PIPE, COMPLETE
- ||||| R&D CONCRETE PAVEMENT, FULL DEPTH, COMPLETE
- ||||| R&D PIP RUBBER SAFETY SURFACING, COMPLETE.
- ||||| CLEAR & GRUB
- ▶ CONSTRUCTION ENTRANCE
- TREE PROTECTION, TYP.
- EXISTING TREE TO BE RELOCATED ELSEWHERE ON SCHOOL PROPERTY PER DIRECTION OF OWNER
- \* R&D BRICK PILLAR, COMPLETE
- ⊗ R&S EXISTING SITE ELEMENT
- ⊗ R&D BOULDERS
- ⊗ R&D EXISTING DRAINAGE STRUCTURE
- CAP UTILITY LINE
- R&D REMOVE & DISPOSE
- R&S REMOVE & SALVAGE
- R&R REMOVE & RESET
- CIP CAST-IN-PLACE

- 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 CLEAR AND WATER JET ALL DRAINAGE STRUCTURES AND LINES TO REMAIN WITHIN LIMIT OF WORK AND VERIFY WORKING CONDITION.

**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. RE: 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 TOWN LOCATION AT NO ADDITIONAL EXPENSE 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, BASE MATERIALS, AND OTHER APPURTENANCES, EXCEPT AS SPECIFICALLY NOTED OTHERWISE.
- CONTRACTOR SHALL INSTALL TREE PROTECTION BARRIER AT DRILINE 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 DRILINE OF TREES.

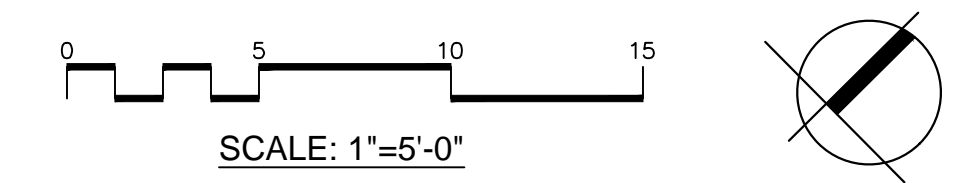
**SEDIMENT AND EROSION CONTROL NOTES**

- 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 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 CONTRACT SHALL REMAIN TOTALLY UNDISTURBED UNLESS OTHERWISE APPROVED BY OWNER.
- ALL CATCH BASINS AND DRAIN GRATES WITHIN CONTRACT LIMIT OF WORK SHALL BE PROTECTED WITH FILTER FABRIC 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.

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NOTE:  
1. CONTRACTOR MUST COORDINATE ALL WORK IN PUBLIC SIDEWALK AREA WITH OWNER AND OWNER'S REPRESENTATIVE.



Project:  
**TOWN OF ARLINGTON**

IMPROVEMENTS TO BLOSSOM ST. PLAYGROUND AT THE PEIRCE ELEMENTARY SCHOOL  
85 PARK AVENUE EXTENSION  
ARLINGTON, MA 02474

**Weston & Sampson**

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617.412.4480 800.SAMPSON  
www.westonandsampson.com

Consultants:


Revisions:

No.	Date	Description

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Drawn By: ACG

Reviewed By: JL

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W&S Project No: 2190032



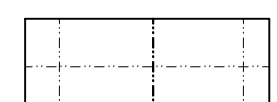
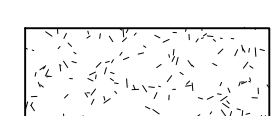



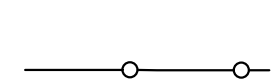


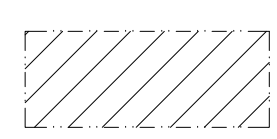
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Drawing Title:  
**SITE PREPARATION & DEMOLITION PLAN**

Sheet Number:  
**L2.00**



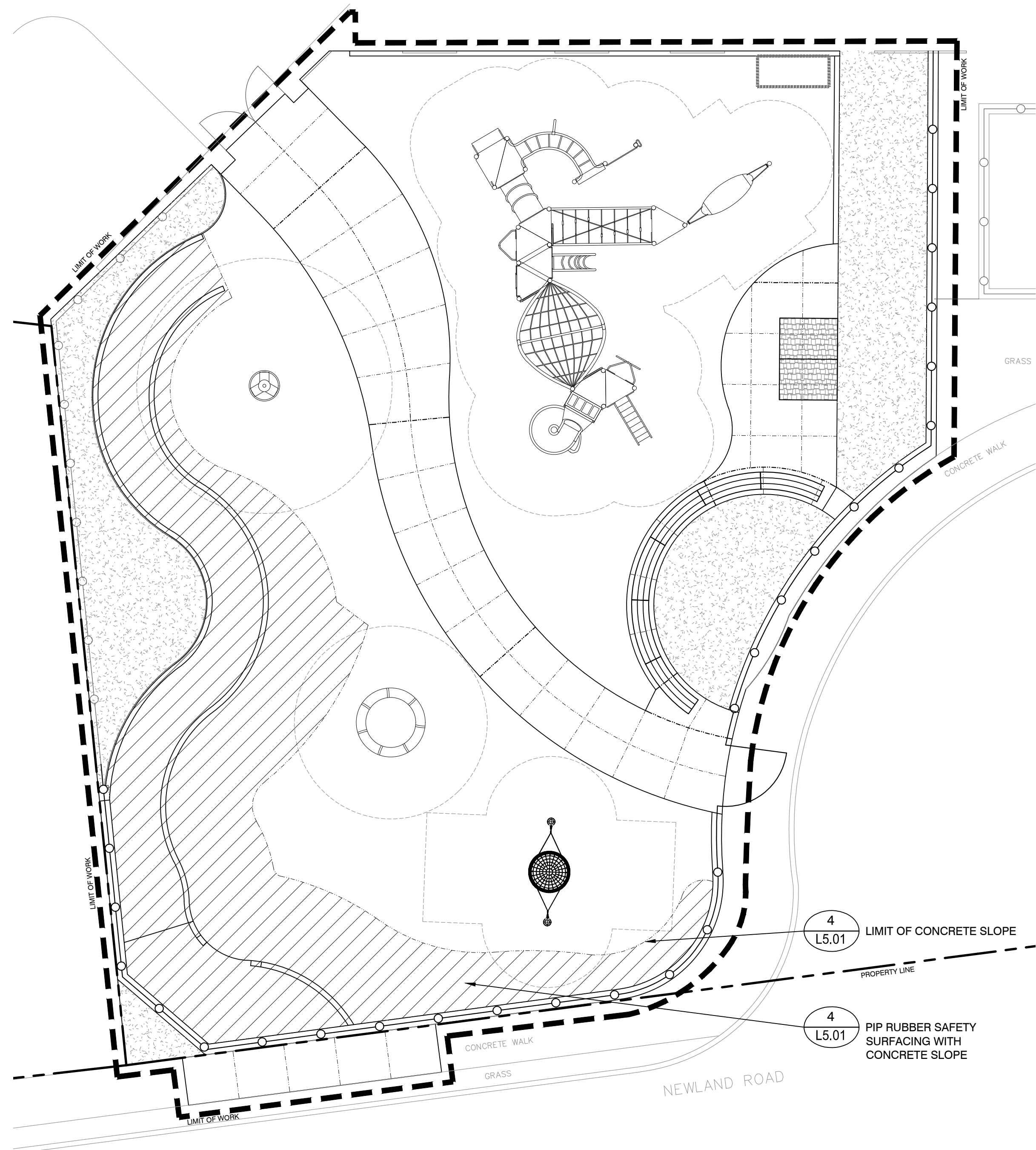
**LEGEND**

-  LIMIT OF WORK
-  PROPERTY LINE
-  CIP CONCRETE PAVEMENT
-  ENGINEERED WOOD FIBER MULCH
-  CIP CONCRETE RETAINING WALL
-  SCORE JOINT
-  EXPANSION JOINT
-  4' HT. BLACK VINYL CHAIN LINK FENCE
-  STEEL EDGE
-  BENCH, SEE SPECIFICATIONS
-  PIP RUBBER SAFETY SURFACING WITH CONCRETE SLOPE

**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: 1-1/2"=1'-0"

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

Project:  
 TOWN OF ARLINGTON



IMPROVEMENTS TO  
 BLOSSOM ST. PLAYGROUND  
 AT THE PEIRCE ELEMENTARY  
 SCHOOL  
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 ARLINGTON, MA 02474

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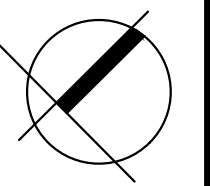
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 Drawn By: ACG  
 Reviewed By: JL  
 Approved By: CR  
 W&S Project No: 2190032  
 W&S File No:

Drawing Title:  
**MATERIALS ENLARGEMENT PLANS**  
 Sheet Number:  
**L3.01**





**LEGEND**

- LIMIT OF WORK
- PROPERTY LINE
- EXISTING DRAINAGE STRUCTURE
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION, CONTRACTOR TO VERIFY IN FIELD
- PROPOSED CONTOURS
- PROPOSED SLOPE
- PROPOSED SPOT ELEVATION
- AREA DRAIN
- DRAINAGE MANHOLE
- CLEAN OUT
- HDPE PERFORATED LATERAL DRAIN PIPE
- SWALE
- GRADE BREAK
- TOP OF WALL
- BOTTOM OF WALL
- TOP OF CURB
- BOTTOM OF CURB
- DRAINAGE MANHOLE

**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%.
- 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.

**SPECIAL NOTES REGARDING GRADING:**

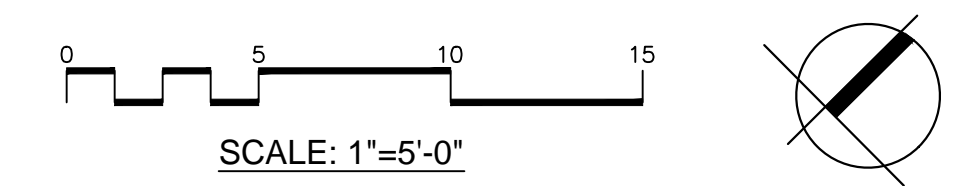
- PROPOSED GRADING, DRAINAGE, AND UTILITIES INFORMATION SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND HAS BEEN INCLUDED TO SHOW DESIGN INTENT ONLY.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND PROVIDE A GRADING, DRAINAGE, AND UTILITIES PLAN (AND CORRESPONDING DETAILS AND SPECIFICATIONS), STAMPED AND SIGNED BY A MASSACHUSETTS LICENSED / REGISTERED CIVIL ENGINEER FOR REVIEW AND APPROVAL OF OWNER'S REPRESENTATIVE.

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**SPECIAL NOTES - CIP CONCRETE RETAINING WALL**

- CIP CONCRETE RETAINING WALL SHALL BE DESIGNED AND CONSTRUCTED WITH REINFORCED STRUCTURAL CONCRETE WITH A MINIMUM OF TWO (2) EXPANSION JOINTS AND WITH CONTROL JOINTS. EXPANSION JOINTS SHALL NOT EXCEED 25' ON CENTER.
- PROVIDE MINIMUM TEMPERATURE STEEL PER ACI 318.
- CIP CONCRETE RETAINING WALL SHALL BE DESIGNED AND STAMPED BY A STRUCTURAL ENGINEER.
- RETAINING WALL DESIGN MUST CONSIDER 4' HT. CHAINLINK FENCE AND POSTS.



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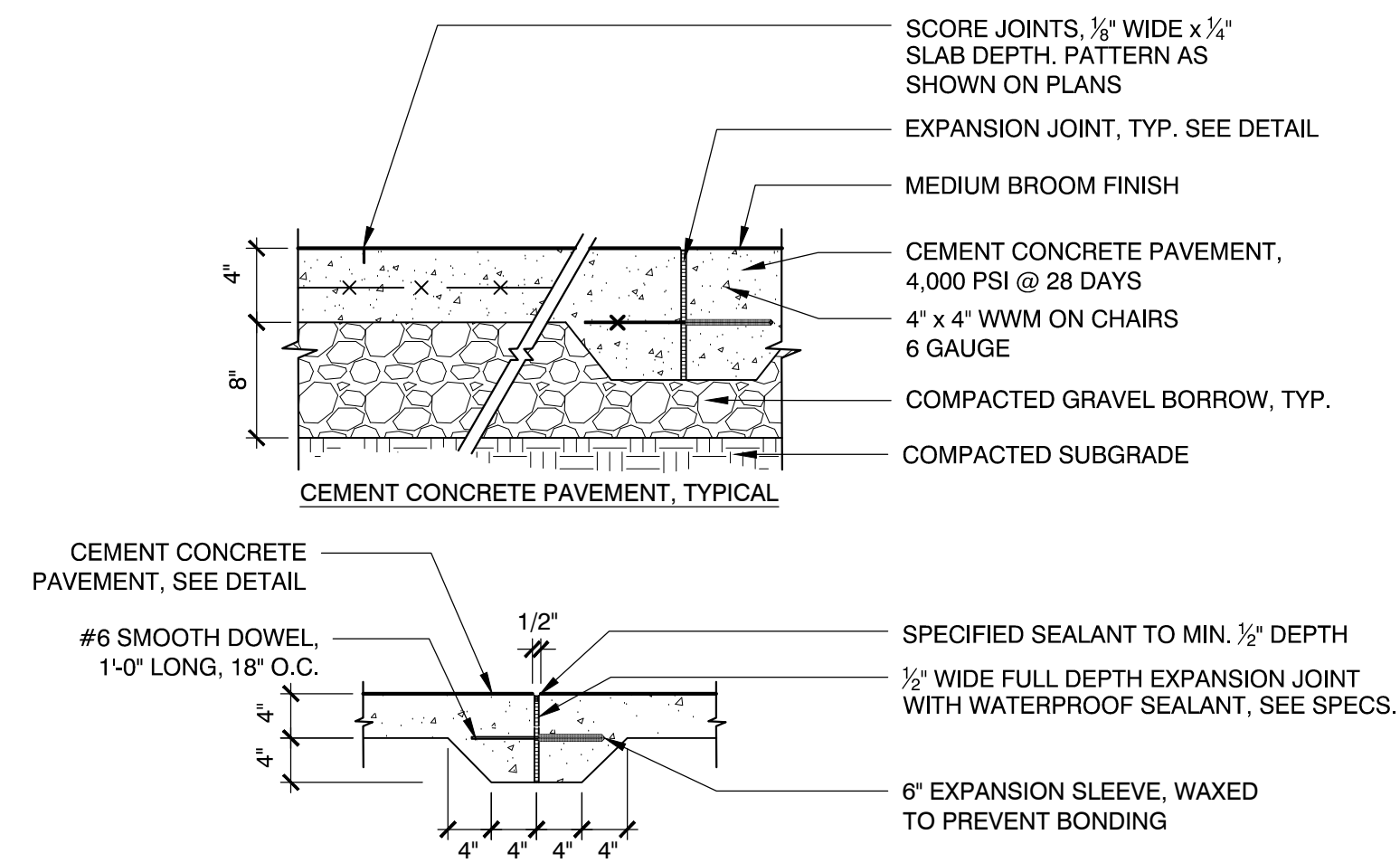
Date: July 11, 2019  
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Reviewed By: JL  
Approved By: CR

W&S Project No: 2190032  
W&S File No:

Drawing Title:  
**GRADING, DRAINAGE & UTILITY PLAN (ILLUSTRATIVE ONLY)**

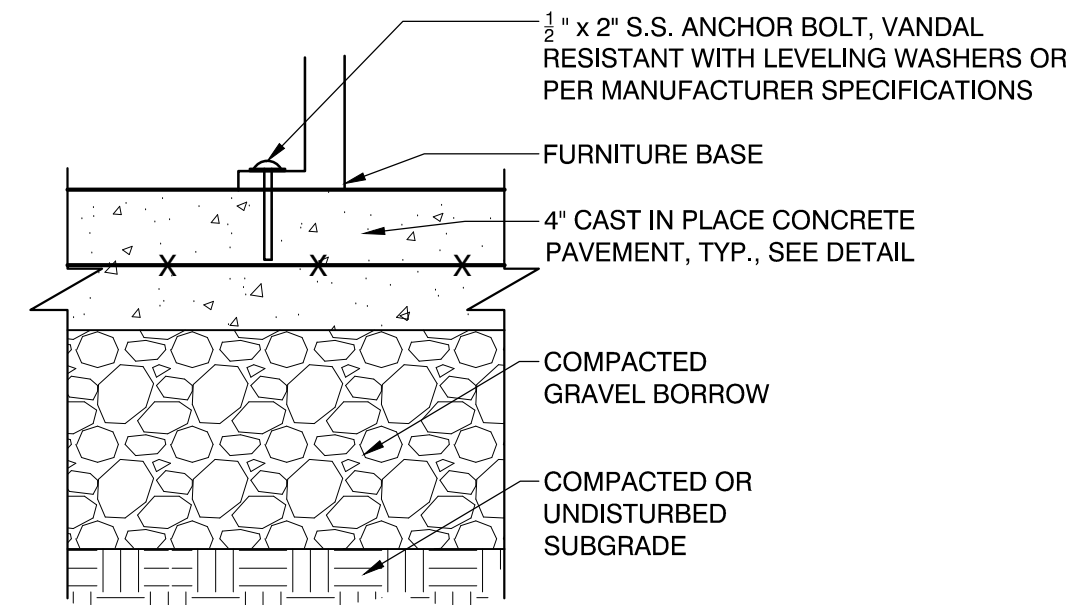
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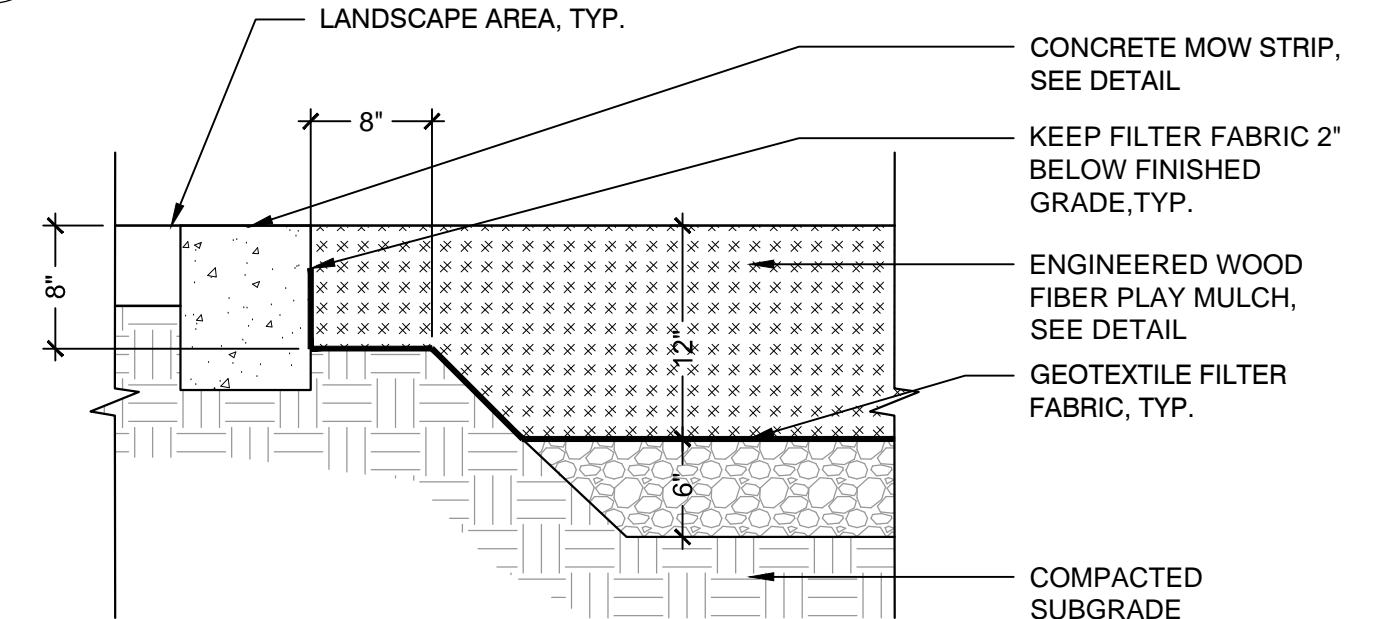
- EXPANSION JOINT INSTALLATION NOTES:**
1. DOWEL IS TYPICAL AT ALL EXPANSION JOINTS (18" O.C.) WITHIN CONCRETE PAVING AND BETWEEN NEW CONCRETE PAVING AND EXISTING CONCRETE PAVING TO REMAIN.
  2. DELETE EXPANSION SLEEVE AND DOWEL WHERE JOINT ABUTS WALL, CURBS, OR OTHER VERTICAL SURFACES, UNLESS OTHERWISE NOTED.
  3. EXPANSION JOINTS MAX. 25'-0" O.C. UNLESS SHOWN OTHERWISE.
  4. EXPANSIONS JOINTS SHALL BE PLACED WHERE NEW CEMENT CONCRETE PAVEMENT MEETS EXISTING PAVEMENT OR WALLS TO REMAIN.
  5. ALL SCORE JOINTS SHALL BE SAW CUT.

EXPANSION JOINT, TYPICAL

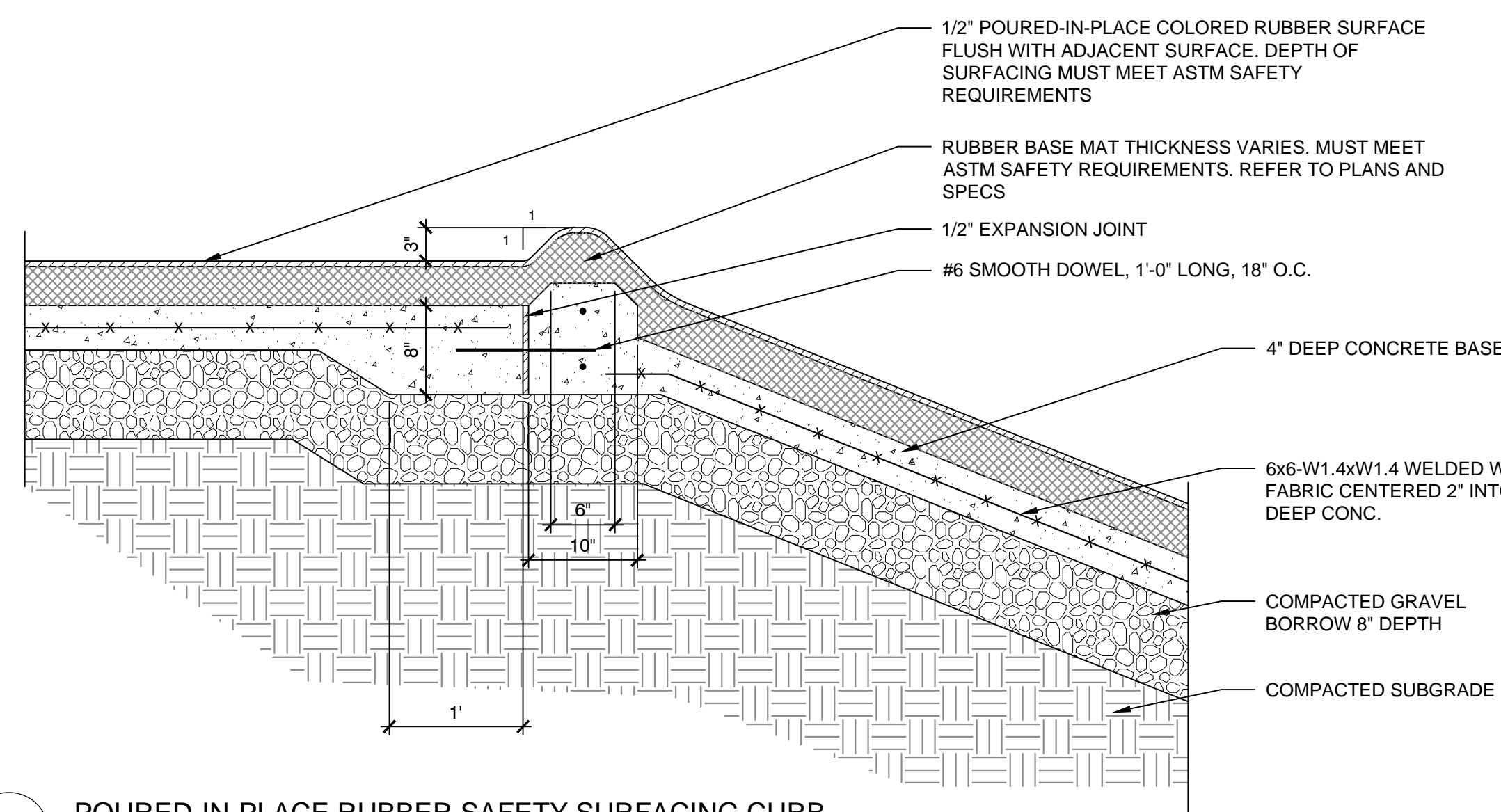


NOTE:  
1. ALL SITE FURNISHINGS SHALL BE SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS.

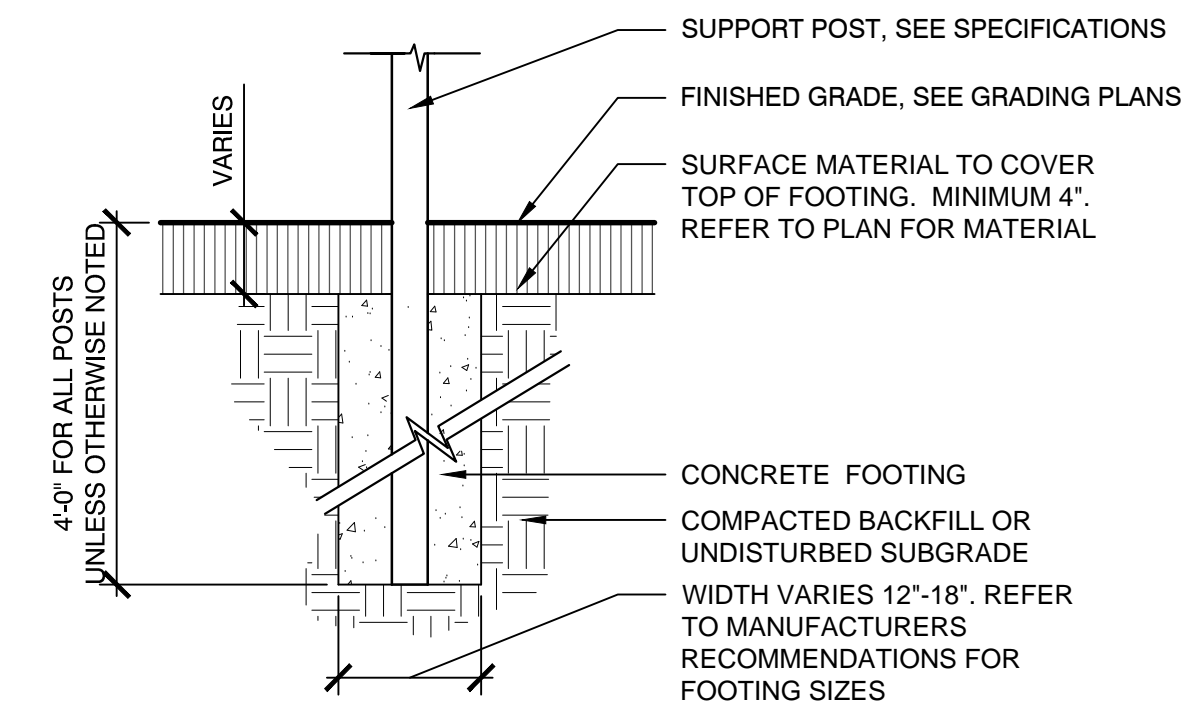
**5 BENCH ON CONCRETE PAD - SURFACE MOUNT**  
SCALE: N.T.S.



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

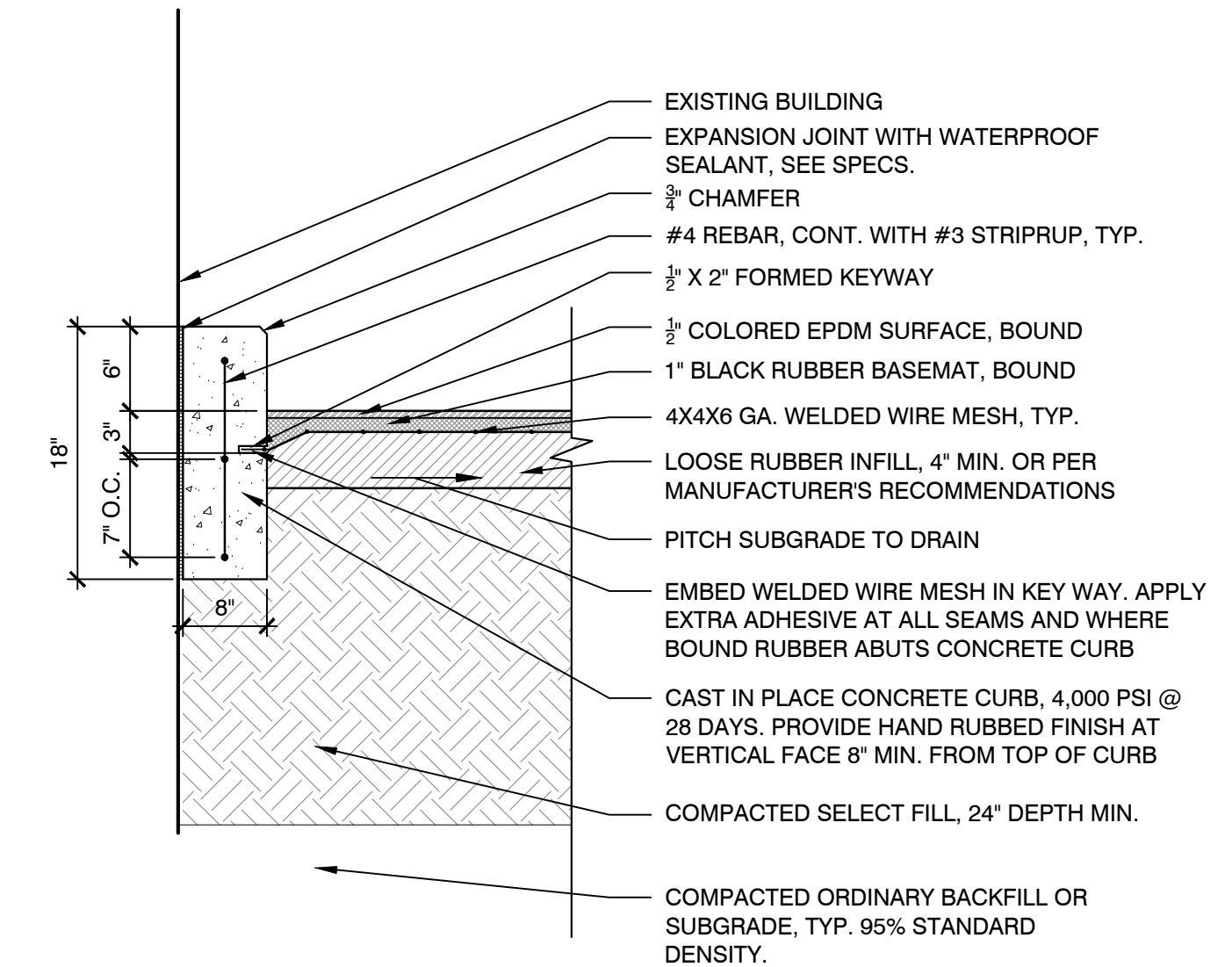


**7 POURED-IN-PLACE RUBBER SAFETY SURFACING CURB**  
SCALE: N.T.S.



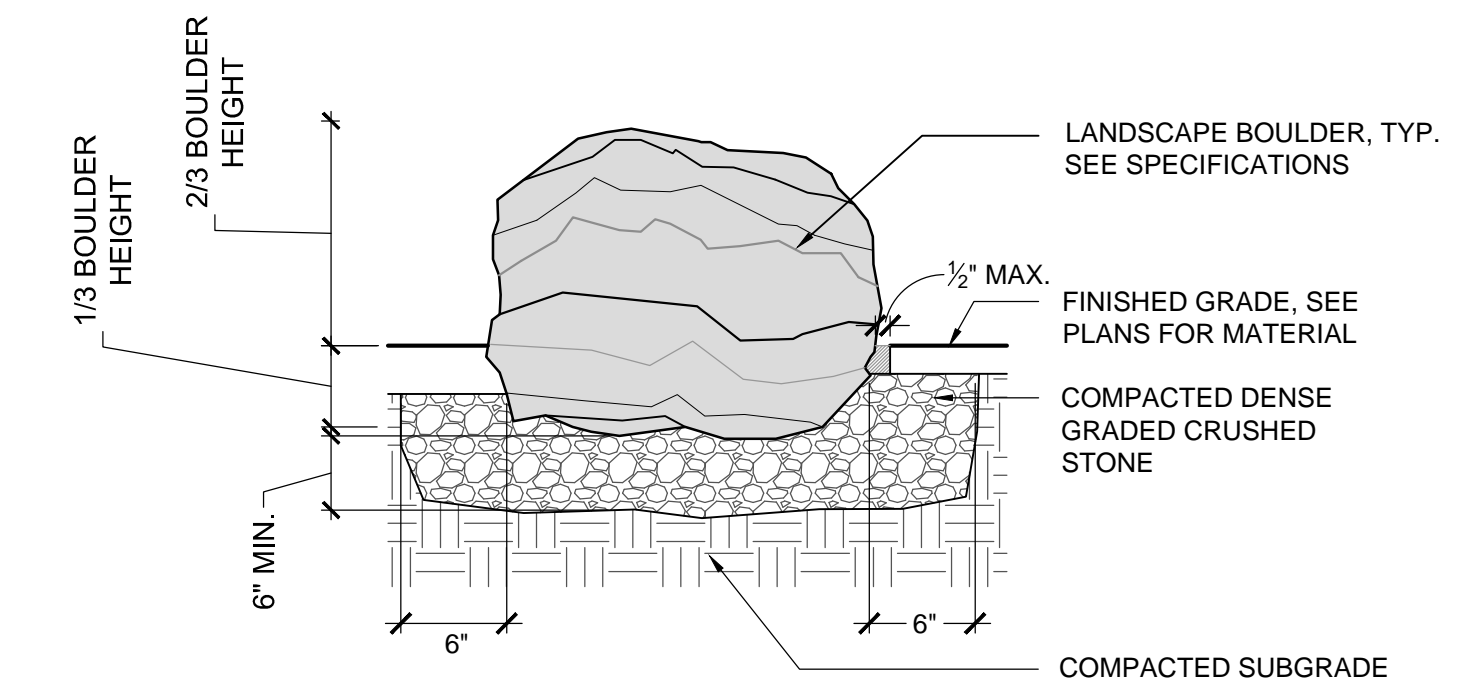
NOTE:  
1. FOOTINGS SHALL BE REQUIRED FOR ALL POSTS AND GROUND CONNECTIONS, SEE PLANS.

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



NOTES:  
1. CONTROL JOINTS TO BE PLACED EVERY 10' O.C. EXPANSION JOINTS TO BE PLACED 30' MAX OR AS SHOWN ON PLANS.  
2. NO HONEYCOMBING WILL BE ACCEPTED IN CONCRETE FINISH.  
3. PROVIDE FULL-DEPTH FORMS. NO EARTH FORMS ALLOWED.

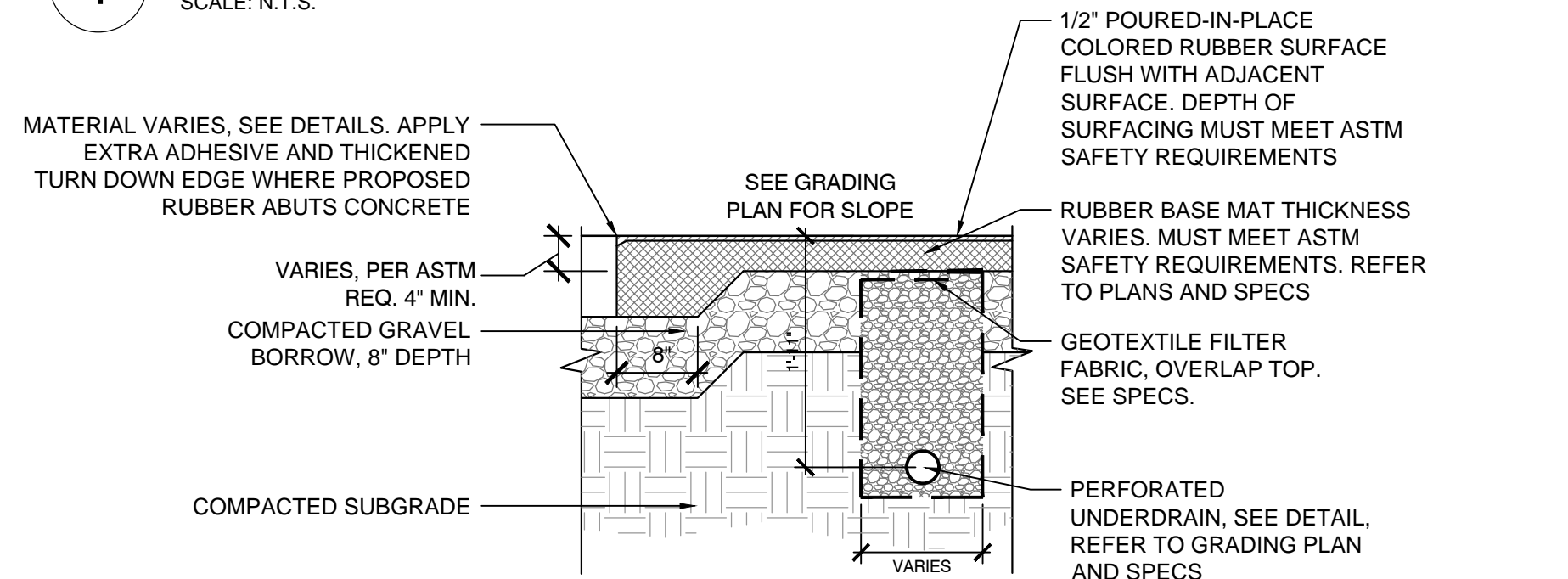
**10 CIP CONCRETE CURB**  
SCALE: N.T.S.



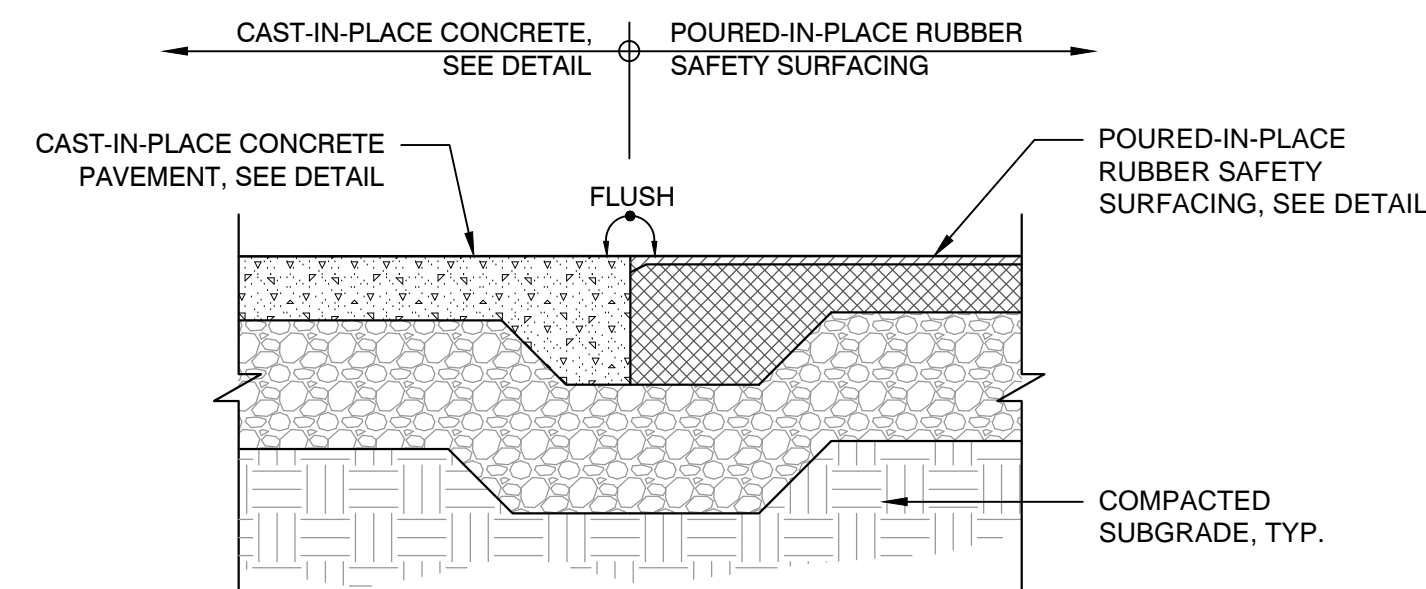
NOTE:  
1. JOINT BETWEEN ROUND BOULDER AND ADJACENT MATERIAL SHALL NOT EXCEED 1/2" AND BE FILLED WITH POLYMERIC SAND

**11 LANDSCAPE BOULDER**  
SCALE: N.T.S.

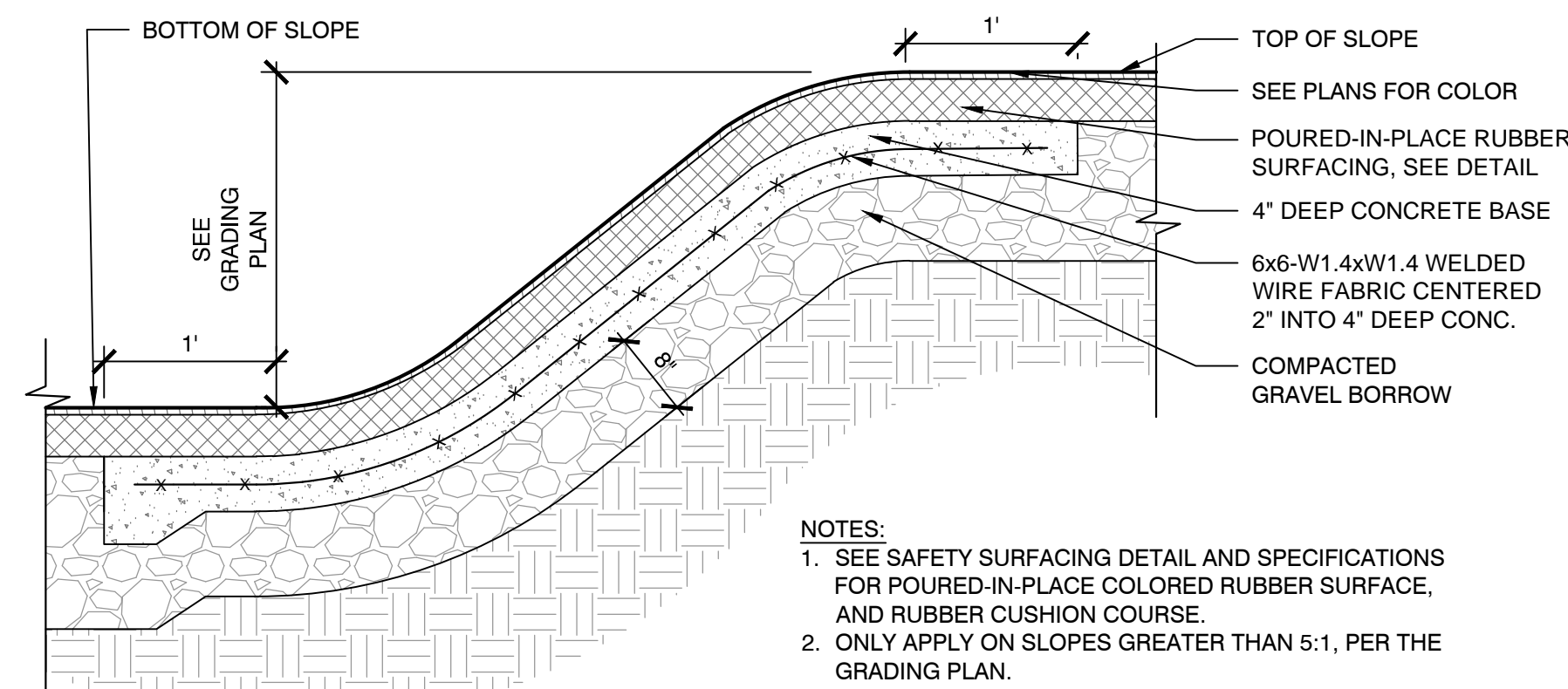
**1 CIP CONCRETE PAVEMENT**  
SCALE: N.T.S.



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

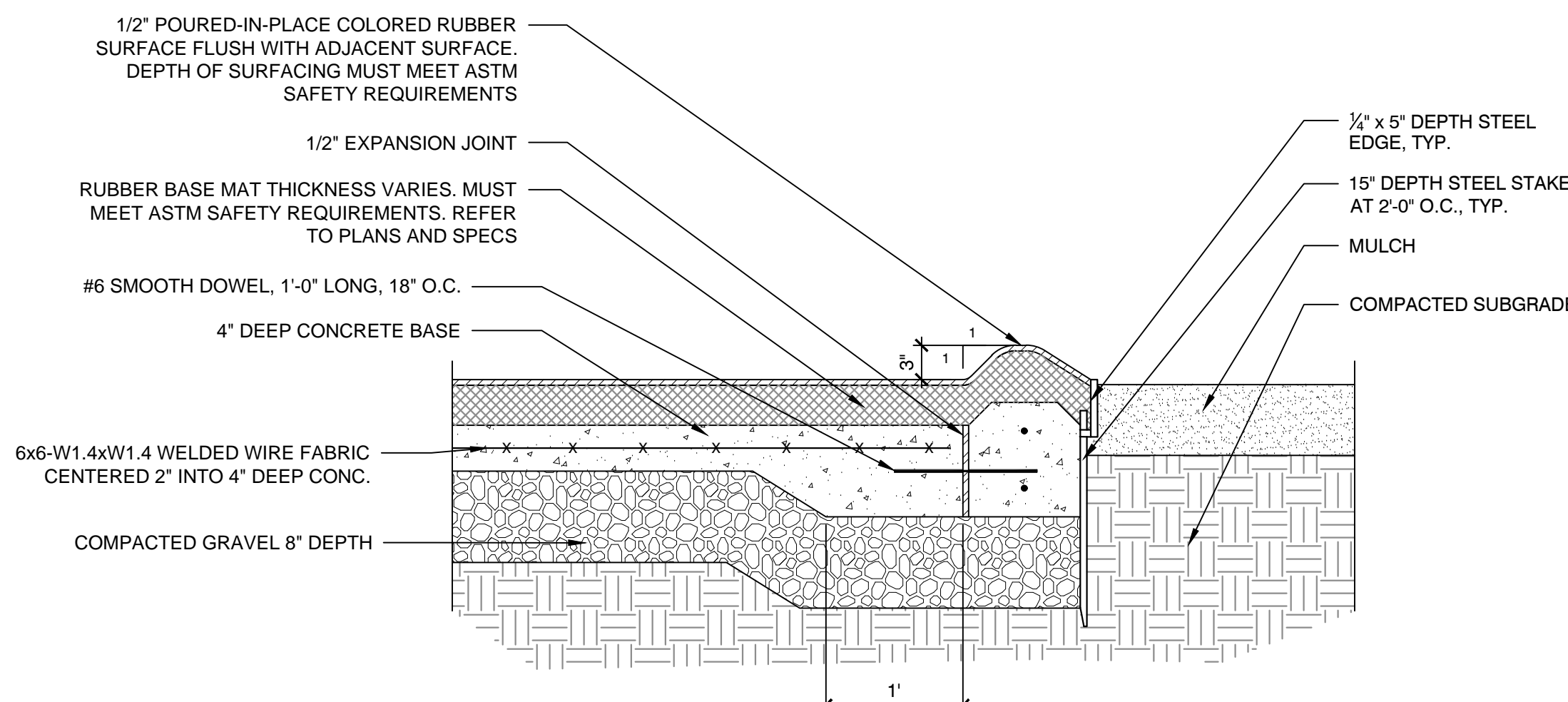


**3 POURED-IN-PLACE RUBBER SAFETY SURFACING AT C.I.P. CONCRETE PAVEMENT**  
SCALE: N.T.S.



NOTES:  
1. SEE SAFETY SURFACING DETAIL AND SPECIFICATIONS FOR POURED-IN-PLACE COLORED RUBBER SURFACE, AND RUBBER CUSHION COURSE.  
2. ONLY APPLY ON SLOPES GREATER THAN 5:1, PER THE GRADING PLAN.

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



**8 POURED-IN-PLACE RUBBER SAFETY SURFACING CURB AT STEEL EDGE**  
SCALE: N.T.S.

Consultants:

Revisions:

No.	Date	Description

Seal:

Issued For:

CONSTRUCTION DOCUMENTS

Scale: N.T.S.

Date: July 11, 2019

Drawn By: ACG

Reviewed By: JL

Approved By: CR

W&S Project No: 2190032

W&S File No:

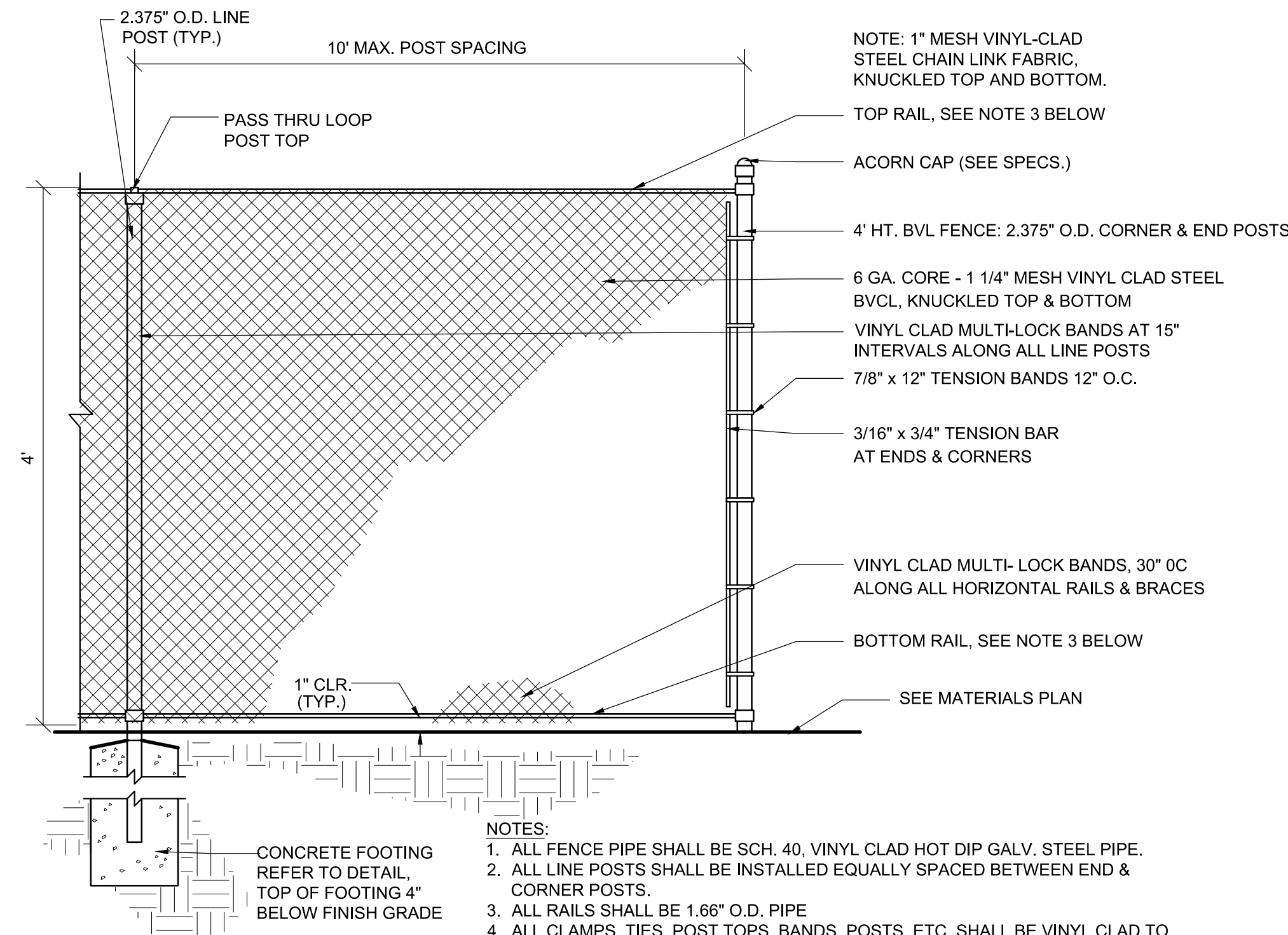
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CONSTRUCTION DETAILS

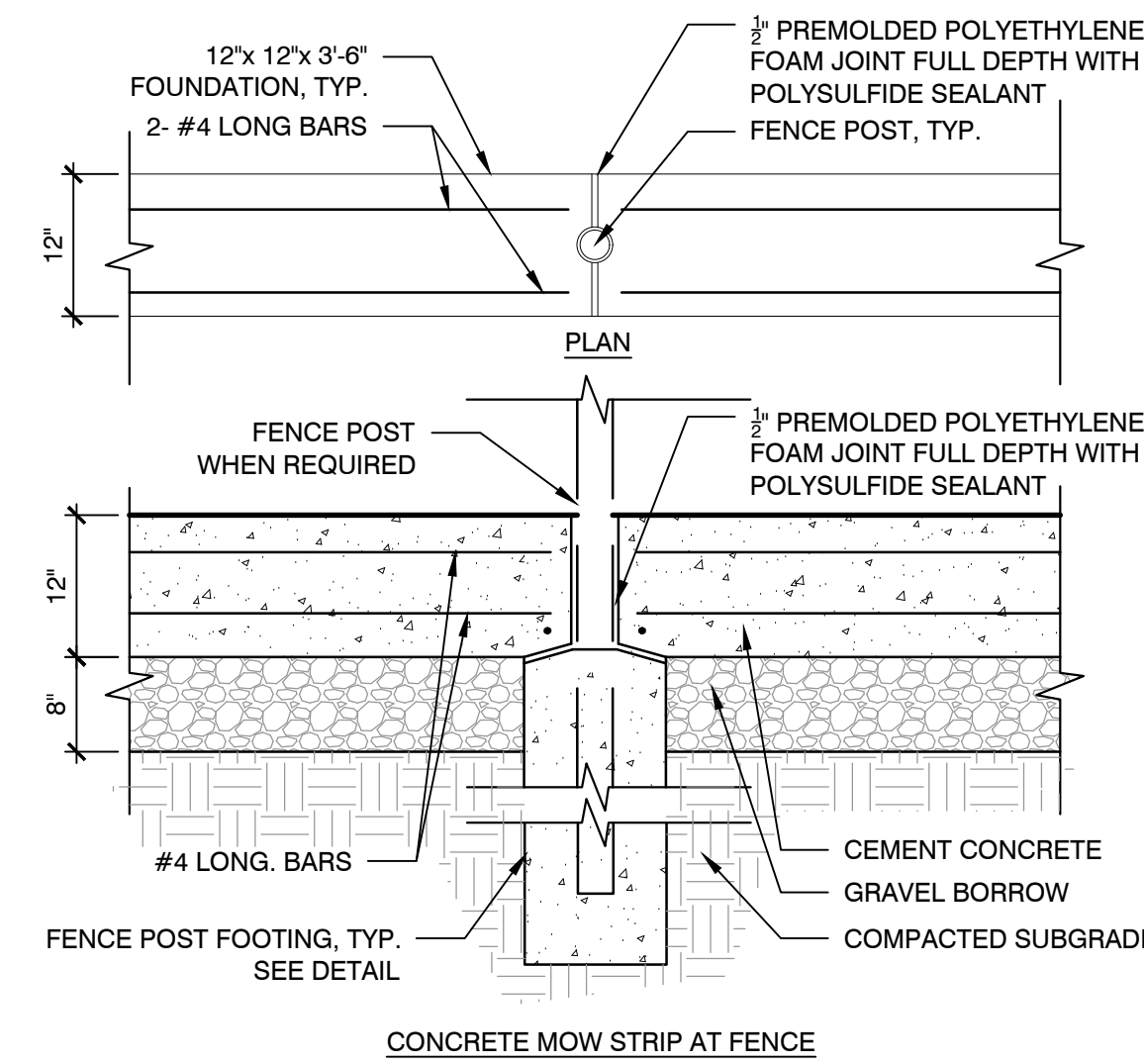
Sheet Number:

L5.01



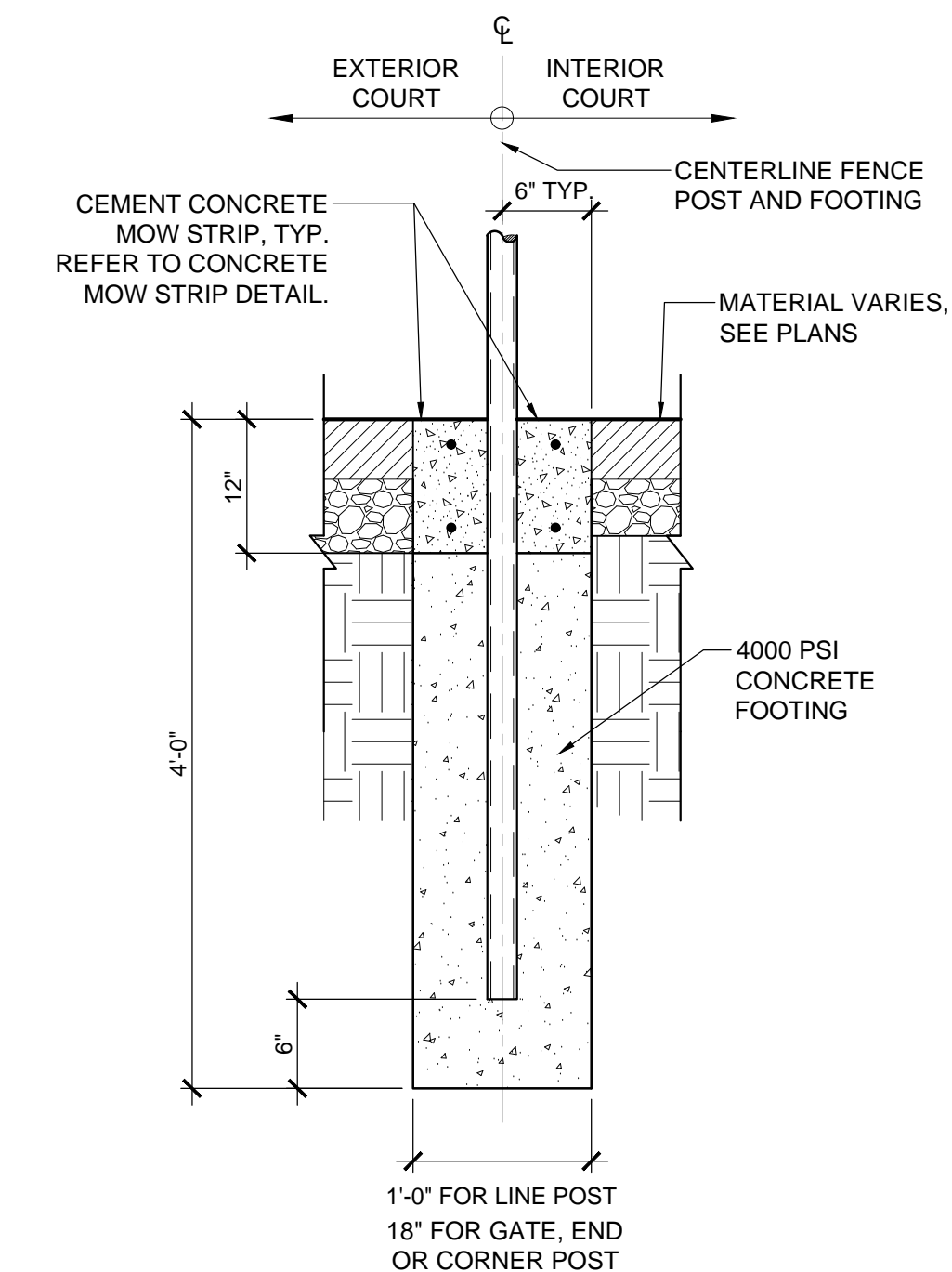


**1** BLACK VINYL CHAIN LINK (BVCL) FENCE  
SCALE: N.T.S.

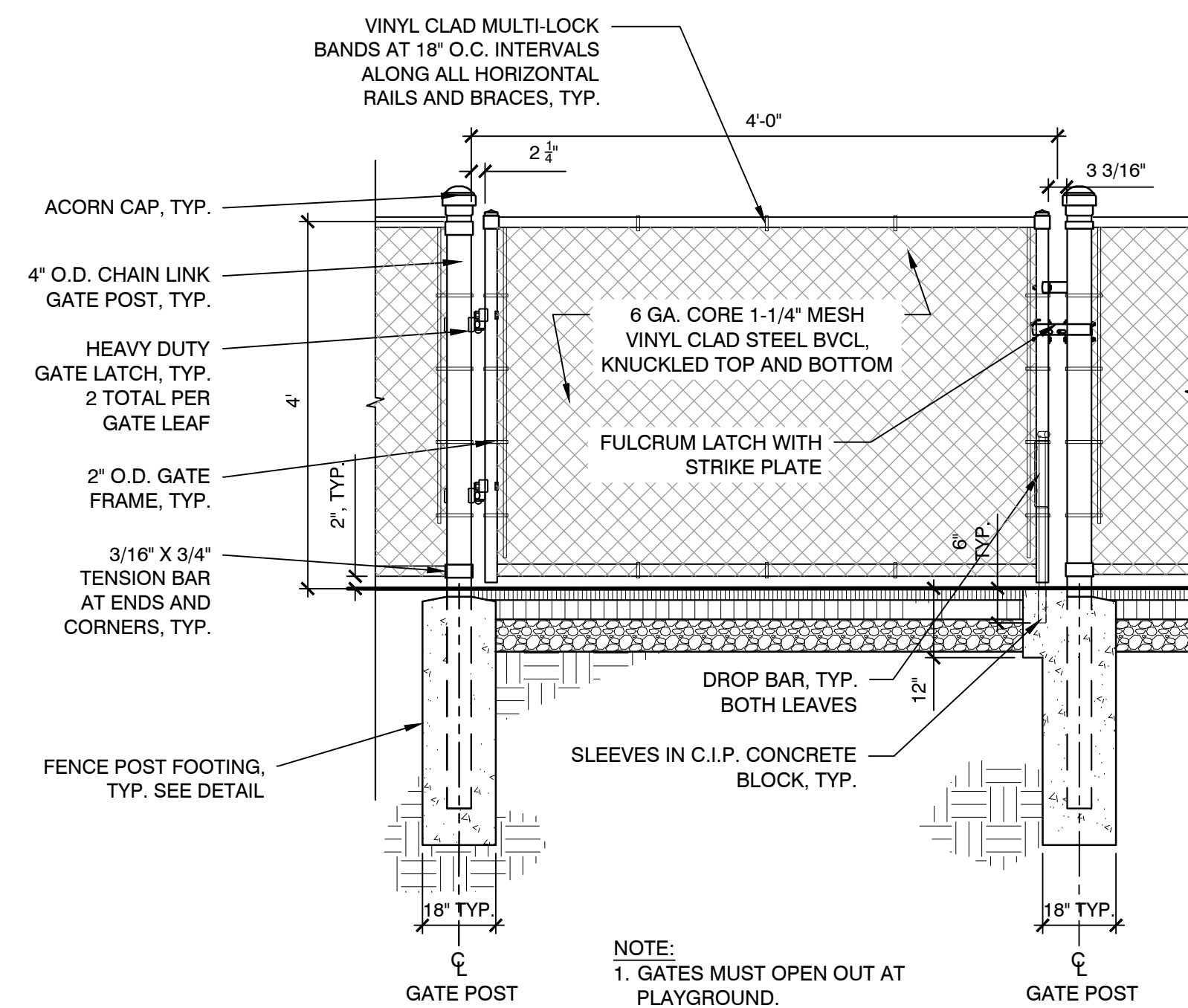


- NOTES:  
1. MOW STRIP CORNERS ADJACENT TO RESILIENT SURFACING SHALL BE SQUARE TO ENSURE SMOOTH INTERFACE BETWEEN MATERIALS.  
2. MOW STRIP CORNERS ADJACENT TO PLANTING BED OR LAWN AREAS WILL HAVE 3/4" CHAMFER.  
3. CONTRACTOR SHALL PROVIDE 3/4" PREMOLDED POLYETHYLENE FOAM EXPANSION JOIN, FULL DEPTH WITH SILICONE SEALANT EVERY 30" O.C. UNLESS OTHERWISE NOTED.  
4. 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.

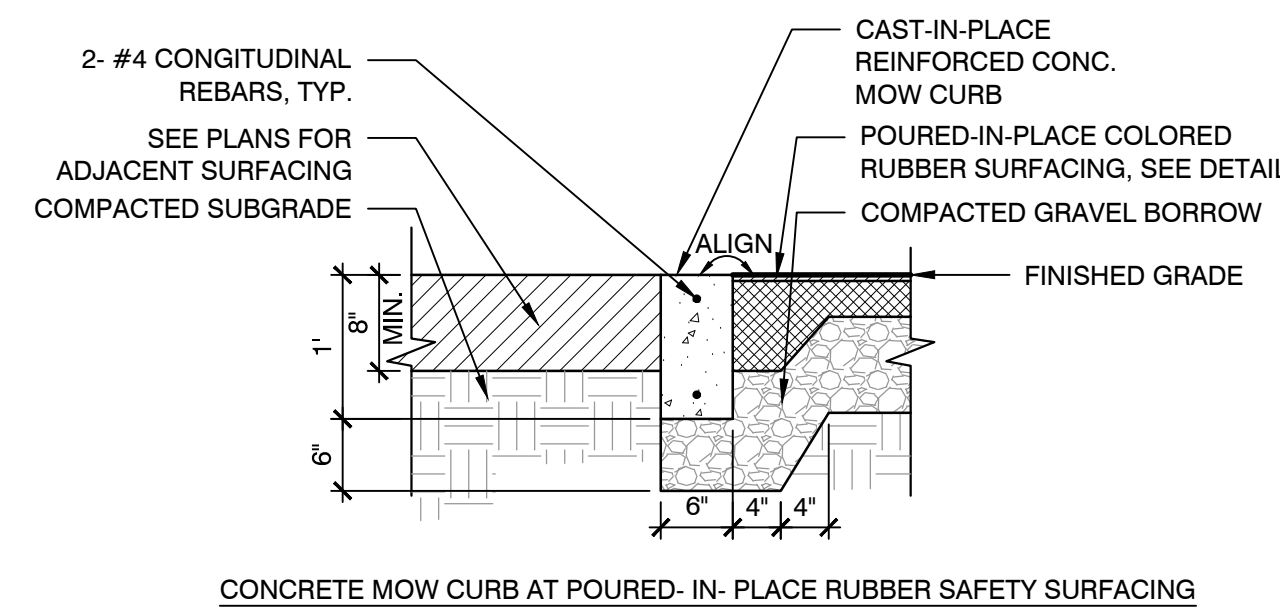
**3** CONCRETE MOW STRIP AT FENCE  
SCALE: N.T.S.



**5** FENCE POST FOOTING  
SCALE: N.T.S.



**2** 4' HT. CHAIN LINK FENCE SINGLE SWING GATE  
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" CHAMFER.  
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**4** CONCRETE MOW STRIP  
SCALE: N.T.S.

Consultants:

Revisions:

No.	Date	Description

Seal:

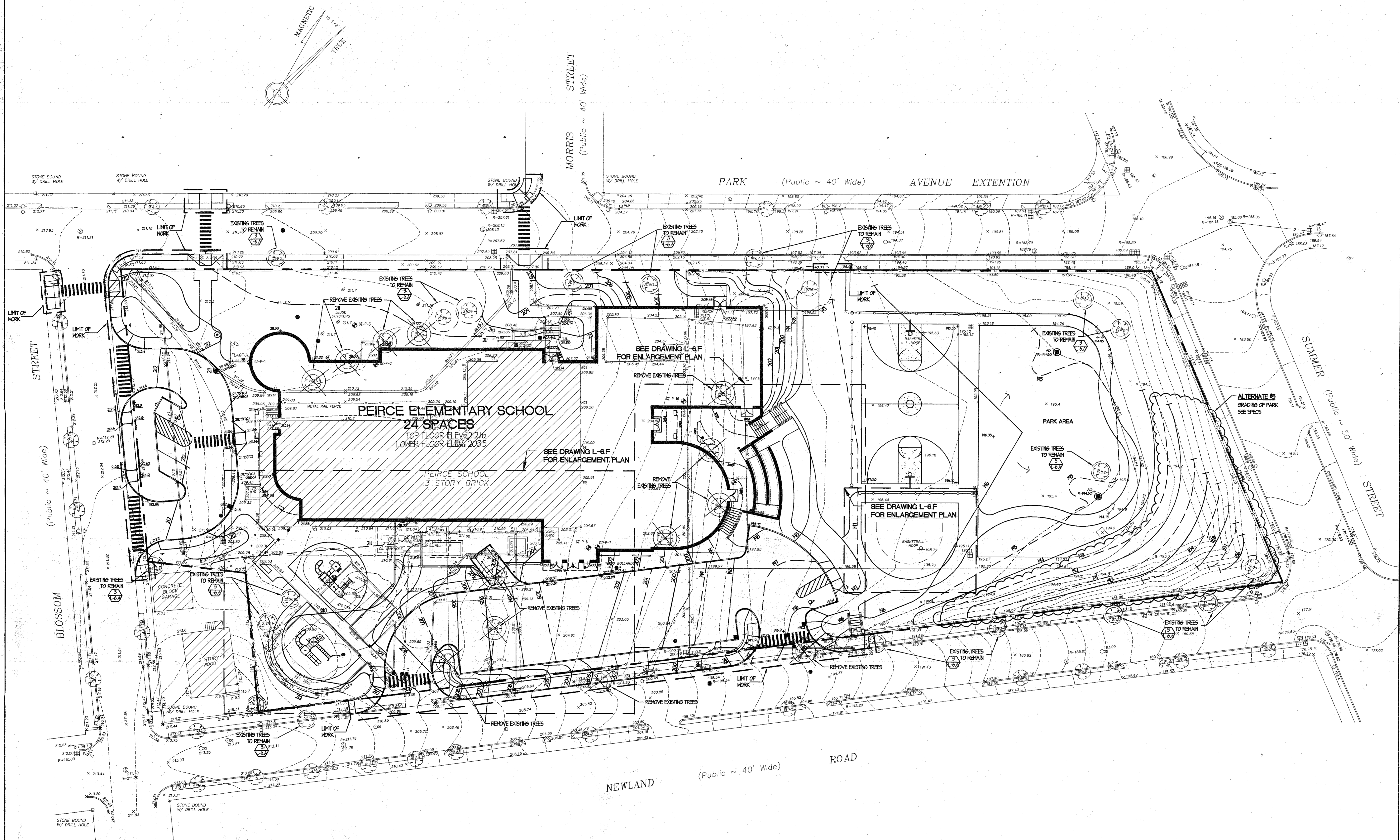
Issued For:  
CONSTRUCTION DOCUMENTS

Scale: N.T.S.  
Date: July 11, 2019  
Drawn By: ACG  
Reviewed By: JL  
Approved By: CR  
W&S Project No: 2190032  
W&S File No:

**PEIRCE ELEMENTARY SCHOOL**

ARLINGTON MASSACHUSETTS

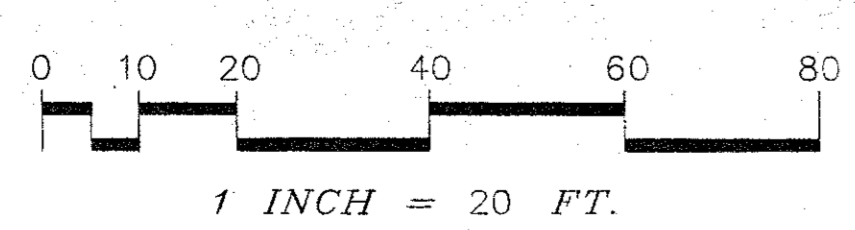
REVISION:



**LEGEND:**

	10' Interval Contours
	1' Interval Contours
	Spot Grade
	Top of Curb
	Bottom of Curb
	Top of Wall
	Adjacent Grade to back of Wall
	Adjacent Grade to Bottom of Wall
	Bottom of Stairs
	Top of Stairs
	Limit of Work
	Property Line
	Remove Existing Tree

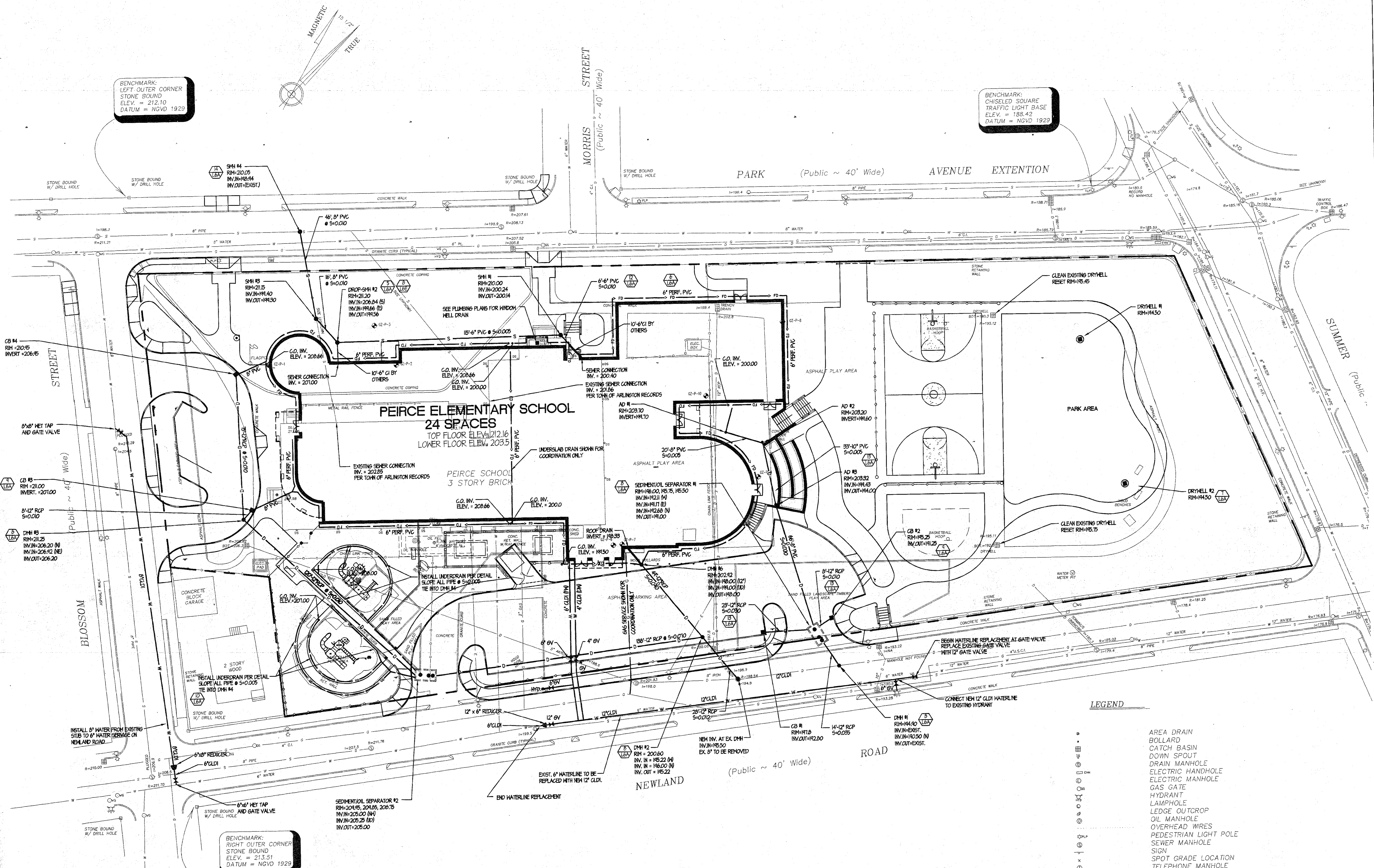
- GRADING NOTES**
1. Notify Architect in writing of any discrepancies between drawings and field conditions prior to and during work. All field adjustments to be approved by the Landscape Architect prior to implementation.
  2. Limit of Work equals Property Line unless otherwise shown.
  3. Loam and seed all disturbed areas not noted to receive other treatment.
  4. Proposed grades to blend smoothly with existing grades.
  5. Contractor to maintain erosion control measures in good condition to ensure proper erosion control.
  6. Refer to wall details for depth of wall below grade, all spot elevations shown refer to surface grades only at front, back and top of wall.
  7. Refer to L-1 for additional notes and legend.



ISSUED FOR CONSTRUCTION

**SITE GRADING PLAN**

Scale: 1" = 20'  
 Dr. By: RC, TK, DW  
 Job No: 99450  
 Date: 5/7/01



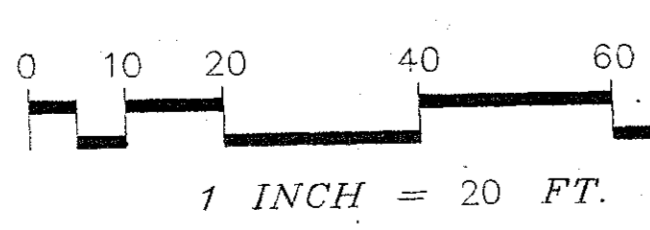
BENCHMARK:  
LEFT OUTER CORNER  
STONE BOUND  
ELEV. = 212.10  
DATUM = NGVD 1929

BENCHMARK:  
CHISELED SQUARE  
TRAFFIC LIGHT BASE  
ELEV. = 188.42  
DATUM = NGVD 1929

BENCHMARK:  
RIGHT OUTER CORNER  
STONE BOUND  
ELEV. = 213.51  
DATUM = NGVD 1929

### UTILITY LEGEND:

●	DW	DRY WELL
●	SMH	SEWER MANHOLE
●	DMH	DRAIN MANHOLE
■	CB	CATCH BASIN
⊥	GV	WATER SERVICE / VALVE GATE
— W —	WATER	
— S —	SANITARY SEWER	
— D —	STORM DRAIN	
— G —	GAS MAIN	
— UD —	UNDERDRAIN	
— FD —	FOUNDATION DRAIN	



### UTILITY NOTES:

1. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS PRIOR TO AND DURING WORK. ALL FIELD ADJUSTMENTS TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO IMPLEMENTATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ANY DISRUPTION OF EXISTING INDIVIDUAL UTILITY SERVICE CONNECTIONS, INCLUDING WATER, ELECTRICITY, TELEPHONE, GAS AND CABLE TELEVISION, RESULTING FROM THE CONTRACTOR'S WORK.
3. CONTRACTOR SHALL PROVIDE AS-BUILT DATA FOR ALL UTILITIES INSTALLED.
4. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD. "DIG-SAFE 1-800-344-1233" IN ADDITION THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES NEAR UTILITY LOCATIONS WITH THE RESPECTIVE UTILITY REPRESENTATIVE.
5. ALL UTILITY COVERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO THE PROPER GRADES. UTILITY COVERS INCLUDE BUT ARE NOT LIMITED TO, CATCH BASINS, FRAMES AND GRATES, MANHOLE FRAMES AND COVERS, GATE VALVE COVERS, CURB STOPS, HAND HOLES, ETC.
6. MINIMUM DRAIN MANHOLE DIAMETER = 4'. LARGER DIAMETER MANHOLES WILL BE REQUIRED DUE TO THE NUMBER, SIZE AND LOCATION OF PIPING.
7. SEE EXISTING CONDITIONS PLAN SHEET FOR ADDITIONAL NOTES AND LEGEND.
8. ALL PROPOSED CATCH BASINS SHALL HAVE 4" DEEP SUMPS AND SHALL BE FITTED WITH HOODS. ALL EXISTING CATCH BASINS TO REMAIN AND FUNCTION AS CATCH BASINS SHALL BE RETROFITTED WITH HOODS.
9. CONTRACTOR TO CONFIRM THAT EXISTING ABANDONED UNDERGROUND UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE SHUT OFF AT THE PUBLIC RIGHT-OF-WAY.
10. ALL CATCH BASIN DRAIN MANHOLES AND ASSOCIATED PIPING ARE TO BE CLEANED OF ALL SILT AND DEBRIS PRIOR TO ANY CONSTRUCTION AS WELL AS AFTER CONSTRUCTION IS COMPLETE. THIS INCLUDES ALL DRAINAGE STRUCTURES AROUND THE SCHOOL PARCEL.
11. SEE ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS TO COORDINATE ALL UTILITY CONNECTIONS.
12. ALL EXISTING UTILITIES WITHIN THE PROPOSED FOOTPRINT SHALL BE REMOVED ENTIRELY AND CONTROLLED BACKFILL SHALL BE PLACED AS PER SPECIFICATIONS.

### LEGEND

○	AREA DRAIN
○	BOLLARD
○	CATCH BASIN
○	DOWN SPOUT
○	DRAIN MANHOLE
○	ELECTRIC HANDHOLE
○	ELECTRIC MANHOLE
○	GAS GATE
○	HYDRANT
○	LAMPHOLE
○	LEDGE OUTCROP
○	OIL MANHOLE
○	OVERHEAD WIRES
○	PEDESTRIAN LIGHT POLE
○	SEWER MANHOLE
○	SIGN
○	SPOT GRADE LOCATION
○	TELEPHONE MANHOLE
○	TRAFFIC LIGHT POLE
○	TREES
M	MAPLE
O	OAK
— S —	UNDERGROUND UTILITIES
— W —	SEWER, WATER, ETC.
— W —	WATER GATE
— W —	WOOD UTILITY POLE
— W —	WOOD UTILITY POLE W/LIGHT
— B —	BOARDING

ISSUED FOR CONSTRUCTION

### SITE UTILITY PLAN

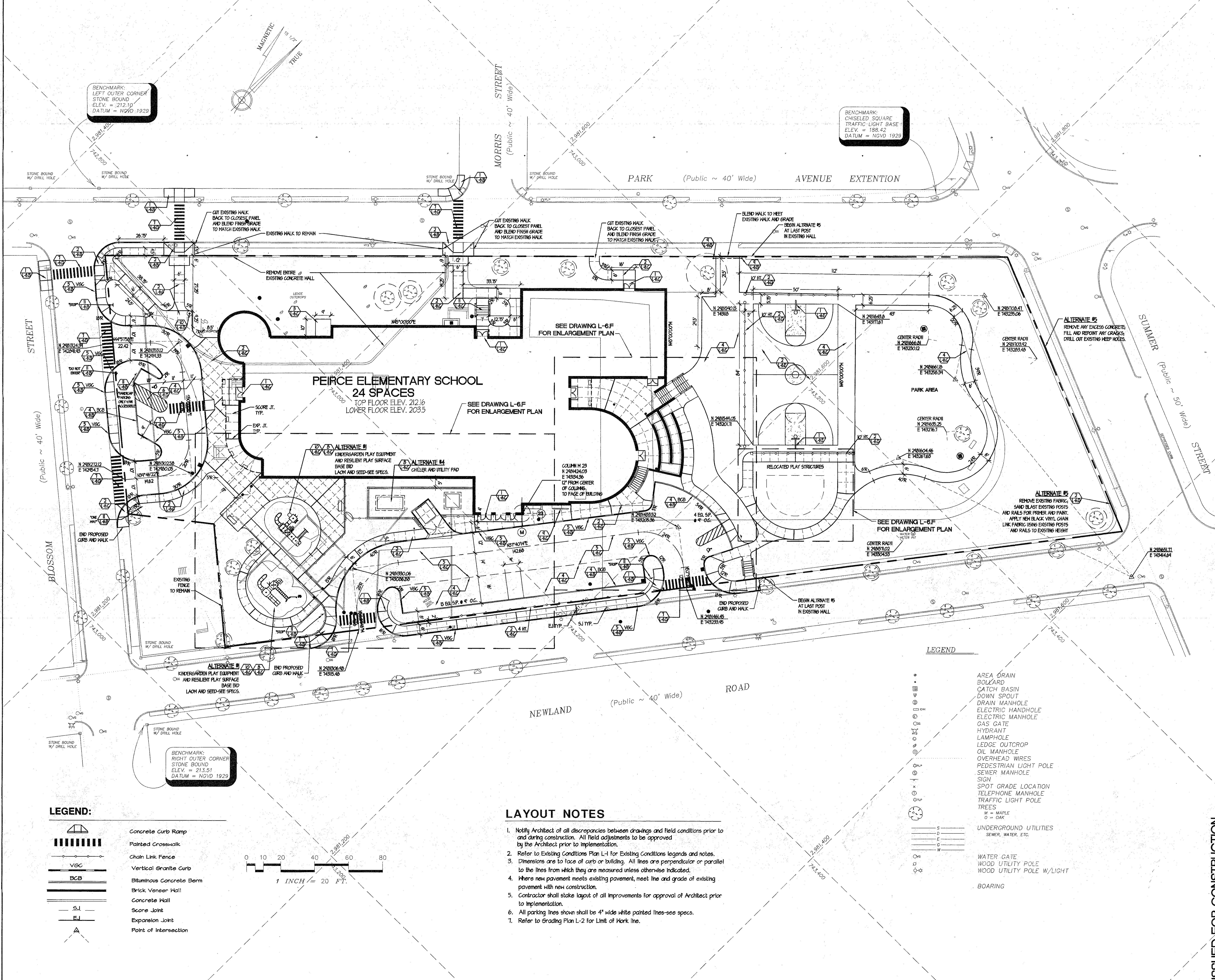
Scale: 1" = 20'  
Dr. PIP. RC, RW  
Job No: 99480  
Date: 3/1/01



## PEIRCE ELEMENTARY SCHOOL

ARLINGTON  
MASSACHUSETTS

REVISION:



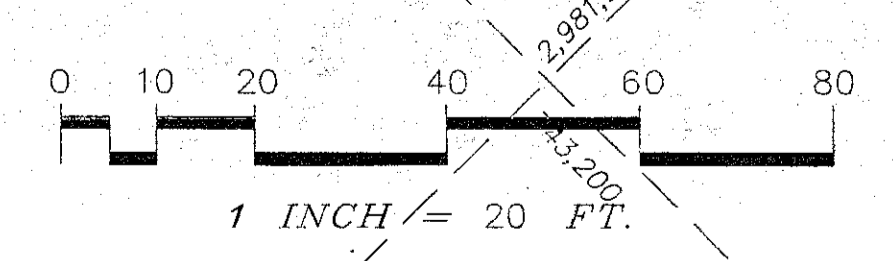
BENCHMARK:  
LEFT OUTER CORNER  
STONE BOUND  
ELEV. = 212.10'  
DATUM = NGVD 1929

BENCHMARK:  
CHISELED SQUARE  
TRAFFIC LIGHT BASE  
ELEV. = 188.42  
DATUM = NGVD 1929

BENCHMARK:  
RIGHT OUTER CORNER  
STONE BOUND  
ELEV. = 213.51'  
DATUM = NGVD 1929

### LEGEND:

- Concrete Curb Ramp
- Painted Crosswalk
- Chain Link Fence
- Vertical Granite Curb
- Bituminous Concrete Berm
- Brick Veneer Wall
- Concrete Wall
- Score Joint
- Expansion Joint
- Point of Intersection



### LAYOUT NOTES

1. Notify Architect of all discrepancies between drawings and field conditions prior to and during construction. All field adjustments to be approved by the Architect prior to implementation.
2. Refer to Existing Conditions Plan L-1 for Existing Conditions legends and notes.
3. Dimensions are to face of curb or building. All lines are perpendicular or parallel to the lines from which they are measured unless otherwise indicated.
4. Where new pavement meets existing pavement, meet line and grade of existing pavement with new construction.
5. Contractor shall stake layout of all improvements for approval of Architect prior to implementation.
6. All parking lines shown shall be 4" wide white painted lines-see specs.
7. Refer to Grading Plan L-2 for Limit of Work line.

### LEGEND

- AREA DRAIN
- BOLLARD
- CATCH BASIN
- DOWN SPOUT
- DRAIN MANHOLE
- ELECTRIC HANDHOLE
- ELECTRIC MANHOLE
- GAS GATE
- HYDRANT
- LAMP POLE
- LEDGE OUTCROP
- OIL MANHOLE
- OVERHEAD WIRES
- PEDESTRIAN LIGHT POLE
- SEWER MANHOLE
- SIGN
- SPOT GRADE LOCATION
- TELEPHONE MANHOLE
- TRAFFIC LIGHT POLE
- TREES
- M = MAPLE
- O = OAK
- UNDERGROUND UTILITIES  
SEWER, WATER, ETC.
- WATER GATE
- WOOD UTILITY POLE
- WOOD UTILITY POLE W/LIGHT
- BOARING

ISSUED FOR CONSTRUCTION

### SITE LAYOUT PLAN

Scale: 1" = 20'  
Dr. By: RC, BW  
Job No.: 99480  
Date: 5/7/01

L-4