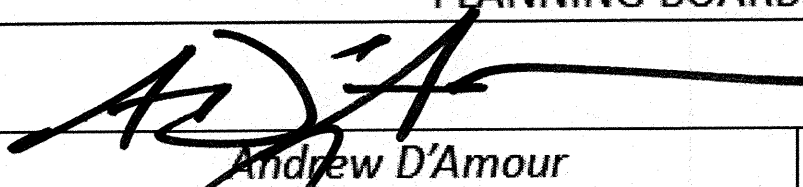
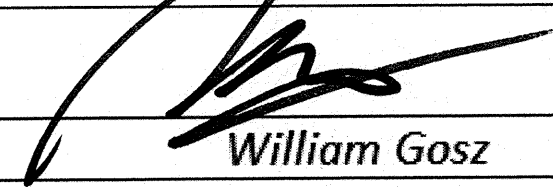
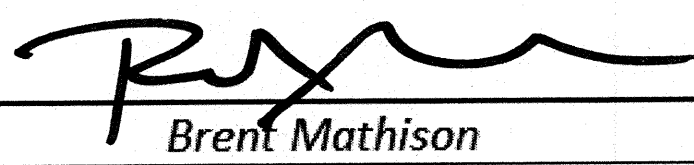
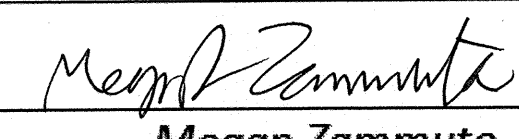


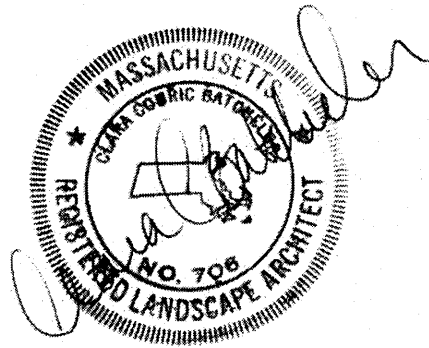
PLANNING BOARD APPROVAL	
	5/25/17
Andrew D'Amour	Date
	5-23-17
William Gosz	Date
	5/23/2017
Brent Mathison	Date
	5/23/17
Megan Zammuto	Date
THIS SITE PLAN DOES NOT NECESSARILY INDICATE COMPLIANCE WITH THE MAYNARD ZONING BY-LAWS	

MAYNARD VETERANS' MEMORIAL PARK

Summer Street
Maynard, Massachusetts

CBA | Landscape Architects LLC

24 THORNDIKE STREET | CAMBRIDGE MA 02141
phone 617.945.9760 | www.cbaland.com | cba@cbaland.com
landscape architecture | urban design | master planning



FEBRUARY 03, 2017

Construction Documents - 100%
Phase 1:
Base Bid and Add Alternates #1-4

BASE-BID:

- Demolition and removals
- Concrete paths and grading
- Handicapped access ramp/railings/walls/grading/stripping
- Lawn and trees
- Water cabinet with concrete pad; Sleeve under walks.

ADD ALTERNATES:

ADD ALTERNATE #1: LIGHTING & ELECTRICAL

- New electrical cabinet with concrete pad
- Light Posts with outlets
- Bollard lights with outlets.

ADD ALTERNATE #2: PERFORMANCE AREA

- Granite and brick paving on concrete pad (excludes section of concrete walk)
- Trench drain and dry wells.

ADD ALTERNATE #3: SITE FURNITURE (EXCLUDING TWIG BENCHES)

- Straight benches
- Tables and chairs
- Trash receptacles
- Associated concrete pads

ADD ALTERNATE #4: TWIG BENCHES

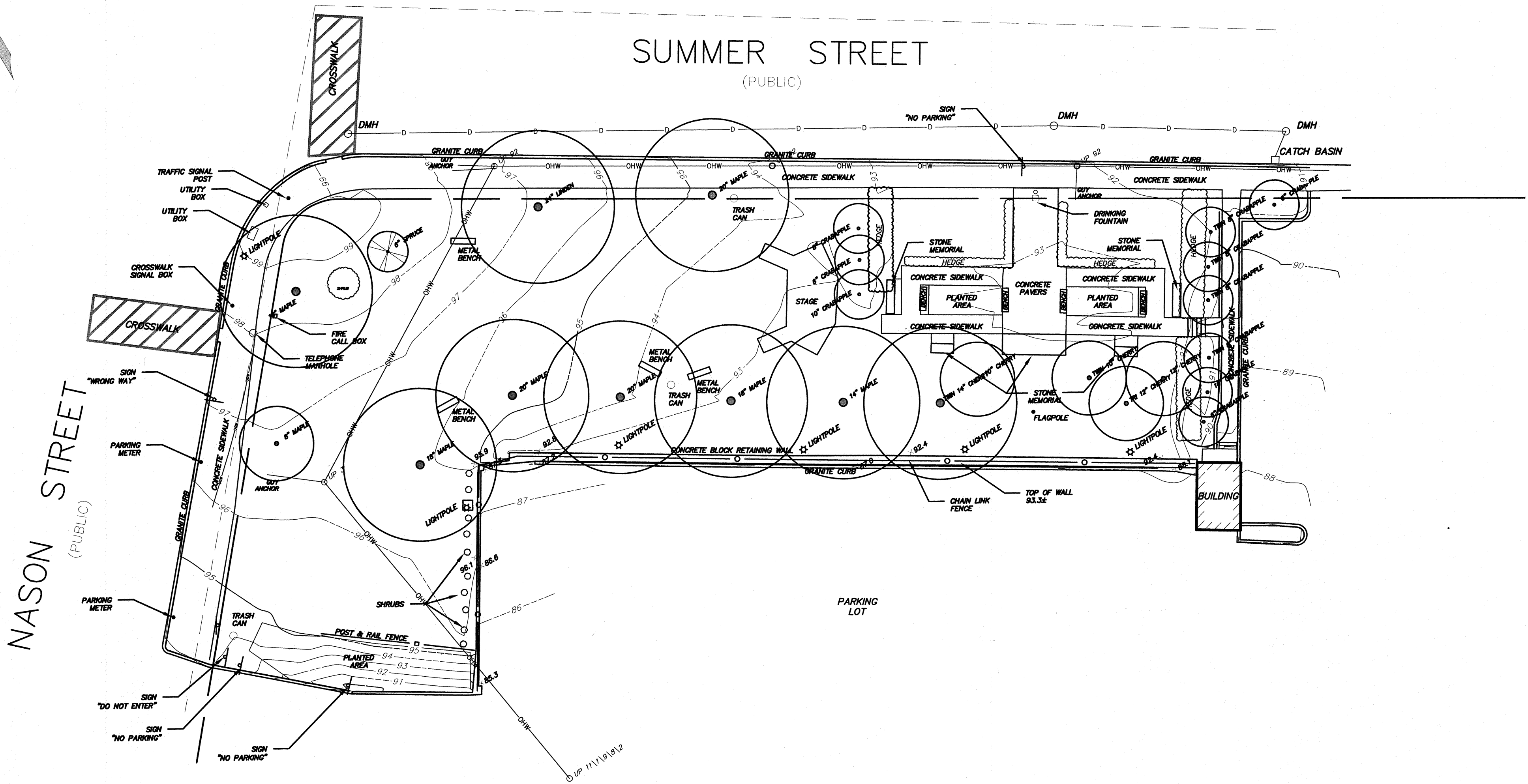
- All Twig Benches

NOT INCLUDED IN CONTRACT:

- Moving utility pole (to be done by Town before start of construction)
- Irrigation system
- "Rolling Bells" and "Rainmaker" site elements

DRAWING LIST - Project No. 1506

Crv	Cover Sheet
L-0.0	Existing Conditions (Site Survey)
L-0.1	Demolition and Removals Plan
L-1.0	Materials Plan
L-2.0	Layout Plan - Overall
L-2.1	Layout & Materials - Ramp Enlargement
L-2.2	Layout - Furniture & Lighting
L-3.0	Grading Plan
L-3.1	Grading Plan - Ramp Enlargement
L-4.0	Planting Plan
L-5.0	Utility Plan
L-6.0	Details - Paving & Edging
L-6.1	Details - Concrete Ramp & Walls
L-6.2	Details - Handrails & Guardrails
L-6.3	Details - Handrails, Guardrails, & Fencing
L-6.4	Details - Handrails, Guardrails (Typical)
L-6.5	Details - Site Furniture
L-6.6	Details - Lighting & Electrical
L-6.7	Details - Drainage & Water



SURVEYOR'S NOTES:

LEGEND:

- N/F NOW OR FORMERLY
- OHW OVERHEAD WIRES
- TREE
- TREE LINE
- UP UTILITY POLE
- GG+ GAS GATE
- G GAS SERVICE (BURIED)
- WG+ WATER GATE
- W WATER SERVICE (BURIED)
- DMH DRAIN MANHOLE
- D SUB-SURFACE DRAIN LINE
- 99--- EXISTING CONTOUR
- 95--- EXISTING CONTOUR
- ☆ LIGHTPOLE
- △ WETLAND FLAG
- 99X9 SPOT ELEVATION
- ○ ○ ○ ○ STONE WALL
- EDGE OF PAVEMENT

UTILITY NOTE:

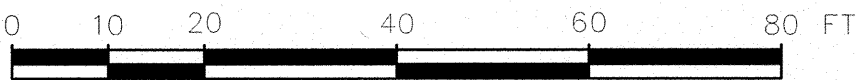
ALL UNDERGROUND UTILITIES SHOWN HERE WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE CHAPTER 370, ACTS OF 1963 MASS. WE ASSUME NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. BEFORE PLANNING FUTURE CONNECTIONS THE APPROPRIATE PUBLIC UTILITY ENGINEERING DEPARTMENT MUST BE CONSULTED. DIG SAFE TELEPHONE No. 1-888-344-7233.

DATUM

ELEVATIONS SHOWN ON THIS PLAN REFER TO AN ASSUMED BASE.

TOPOGRAPHIC
PLAN OF LAND
OF
VETERAN'S MEMORIAL PARK
IN
MAYNARD, MASSACHUSETTS
(MIDDLESEX COUNTY)
FOR: TOWN OF MAYNARD
SCALE: 1"=20' SEPTEMBER 29, 2015

STAMSKI AND MCNARY, INC.
1000 MAIN STREET ACTON, MASSACHUSETTS
ENGINEERING - PLANNING - SURVEYING



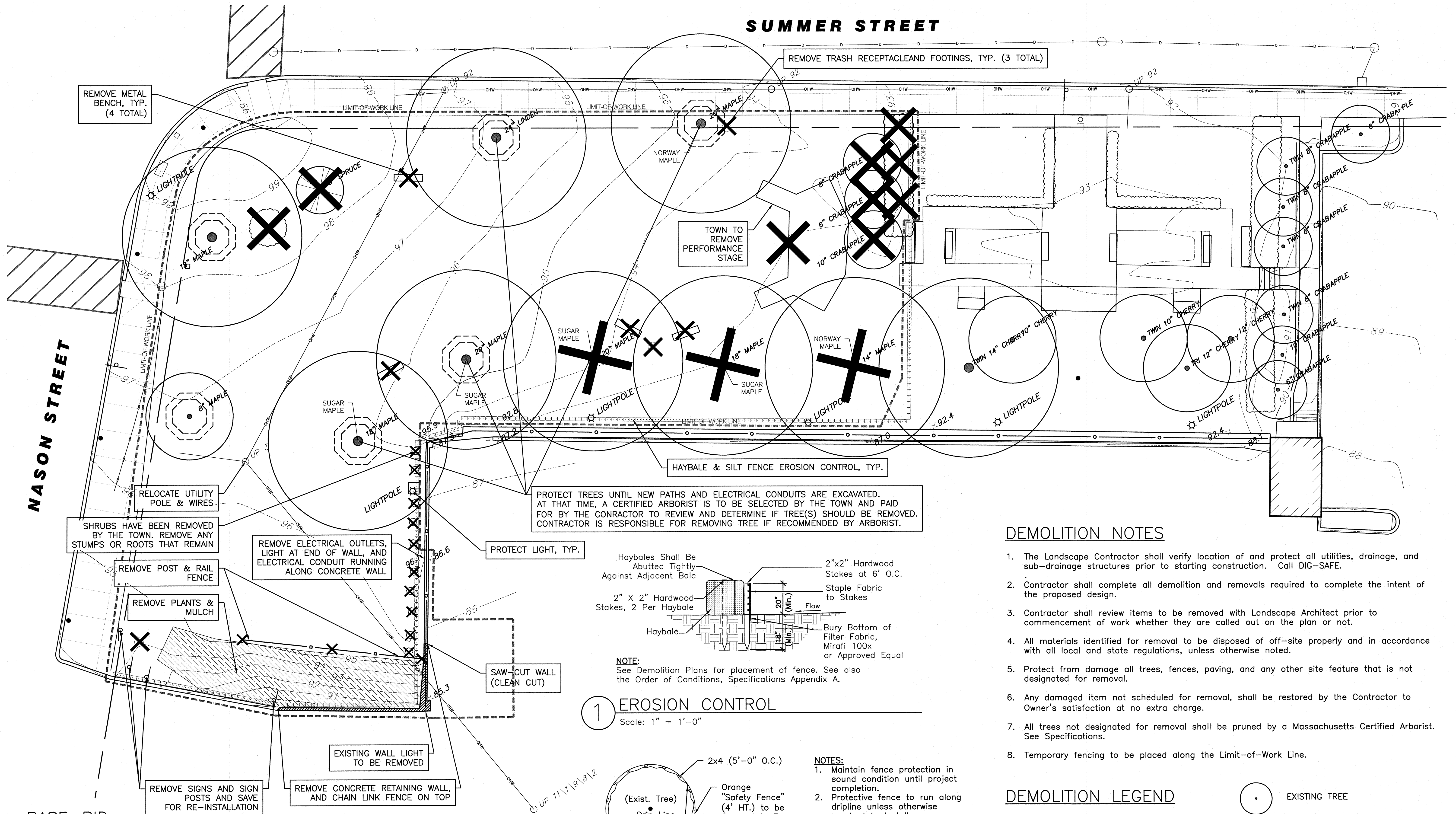
(5494work.dwg) Veteran's Memorial Park SM-5494

VETERANS' MEMORIAL PARK
Maynard, MA
EXISTING CONDITIONS

CBA | Landscape Architects LLC
24 THORNDIKE STREET | CAMBRIDGE MA 02141
phone 617.945.9760 | www.cbaland.com
landscape architecture
urban design
master planning

DATE: 01-25-2017
SCALE: 1" = 20' - 0"
FILE: May_L0_EC.dwg
DWN BY: JHC
CKD BY: CCB
PROJ. #: 1506

L0.0



BASE-BID:

Demolition and removals; Concrete paths and grading; Handicapped access ramp/railings/walls/grading/stripping; Lawn and trees; Water cabinet with concrete pad; Sleeve under walks.

ADD ALTERNATES:

ADD ALTERNATE #1: LIGHTING & ELECTRICAL

New electrical cabinet with concrete pad;
(6) Lights with outlets;
(2) Bollard lights with outlets.

ADD ALTERNATE #2: PERFORMANCE AREA

Granite and brick paving on concrete pad (excludes section of concrete walk);
Trench drain and dry wells.

ADD ALTERNATE #3: SITE FURNITURE

(EXCLUDING TWIG BENCHES)
Straight benches, tables and chairs, trash receptacles, and associated concrete pads

ADD ALTERNATE #4: TWIG BENCHES

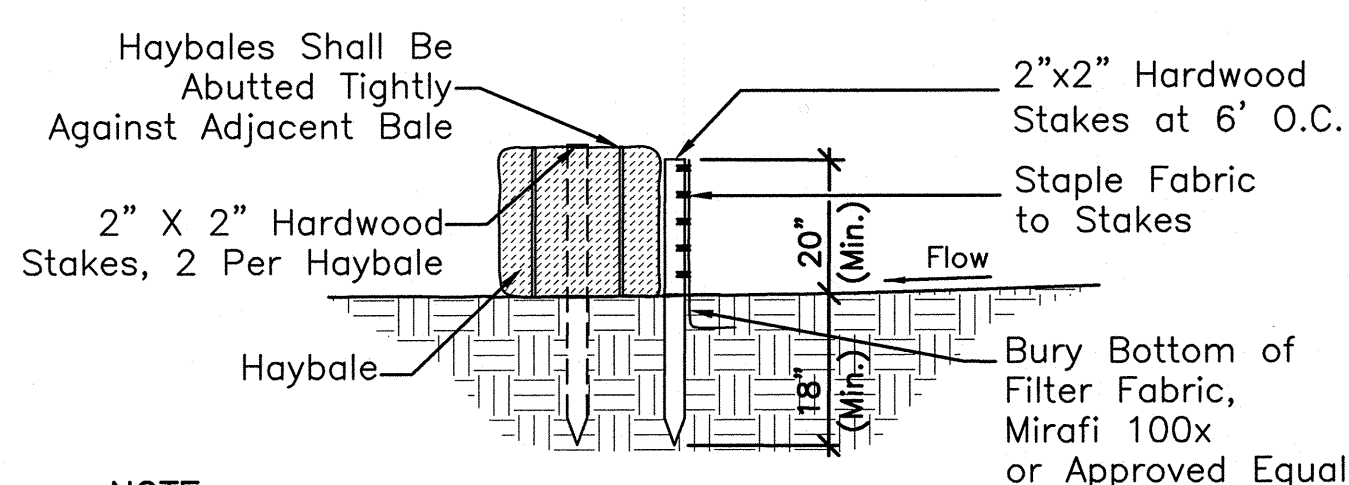
All twig benches

NOT INCLUDED IN CONTRACT:

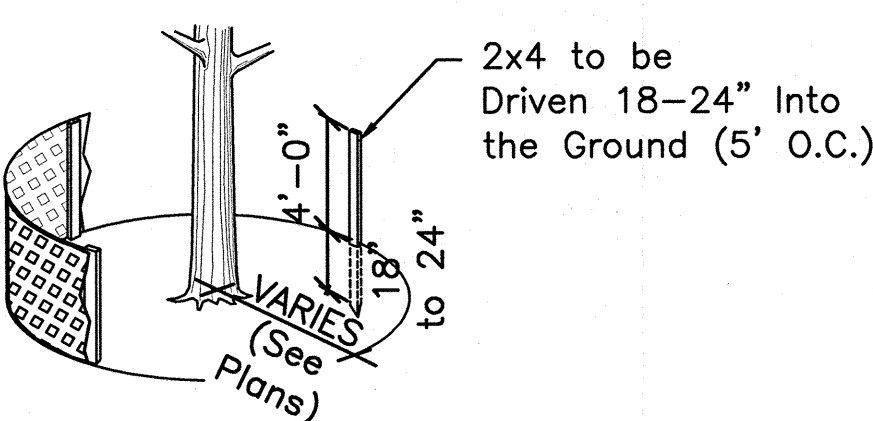
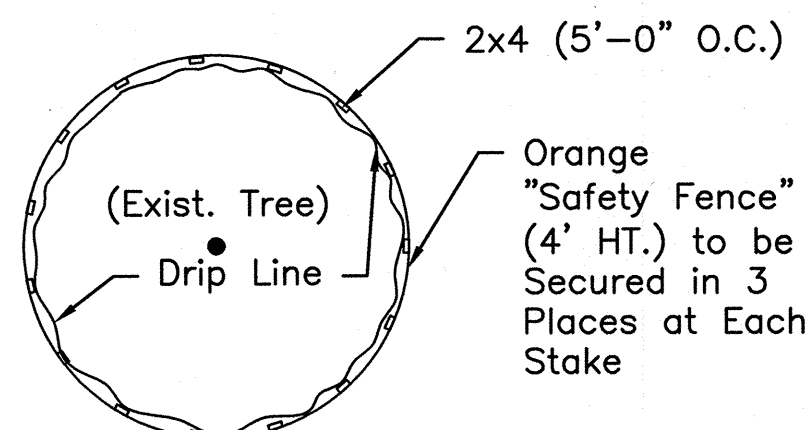
Moving utility pole (to be done by Town before start of construction); Irrigation system; Rolling bells and rainmaker site elements.

1 EROSION CONTROL

Scale: 1" = 1'-0"



NOTE:
See Demolition Plans for placement of fence. See also the Order of Conditions, Specifications Appendix A.



2 TREE PROTECTION

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

NOTES:

- Maintain fence protection in sound condition until project completion.
- Protective fence to run along dripline unless otherwise required to install improvements. Spray or stake layout of all proposed paving edges and site features within the dripline of existing trees before beginning any demolition work or remove existing material in order to determine the maximum extents of site fencing.
- Landscape Architect and Owner's Representative to approve fence placement in field before construction begins.
- Do not relocate approved fence without notifying Landscape Architect or Owner.

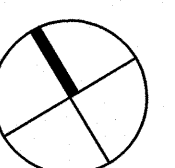
DEMOLITION NOTES

- The Landscape Contractor shall verify location of and protect all utilities, drainage, and sub-drainage structures prior to starting construction. Call DIG-SAFE.
- Contractor shall complete all demolition and removals required to complete the intent of the proposed design.
- Contractor shall review items to be removed with Landscape Architect prior to commencement of work whether they are called out on the plan or not.
- All materials identified for removal to be disposed of off-site properly and in accordance with all local and state regulations, unless otherwise noted.
- Protect from damage all trees, fences, paving, and any other site feature that is not designated for removal.
- Any damaged item not scheduled for removal, shall be restored by the Contractor to Owner's satisfaction at no extra charge.
- All trees not designated for removal shall be pruned by a Massachusetts Certified Arborist. See Specifications.
- Temporary fencing to be placed along the Limit-of-Work Line.

DEMOLITION LEGEND

---	PROPERTY LINE	●	EXISTING TREE
---	LIMIT-OF-WORK LINE	✕	TREE OR SHRUB TO REMOVE
▨	WALL TO BE REMOVED	○	TREE TO PROTECT AND PRUNE
▨	PLANT BED TO BE REMOVED	✕	FURNITURE, OBJECT TO REMOVE
		---	HAYBALE & SILT FENCE EROSION CONTROL BARRIER

0 10 20 40 60 80'



VETERANS' MEMORIAL PARK

Maynard, MA

DEMOLITION AND REMOVALS PLAN

DATE: 01-25-2017

SCALE: 1" = 10'-0"

FILE: May_LO_EC.dwg

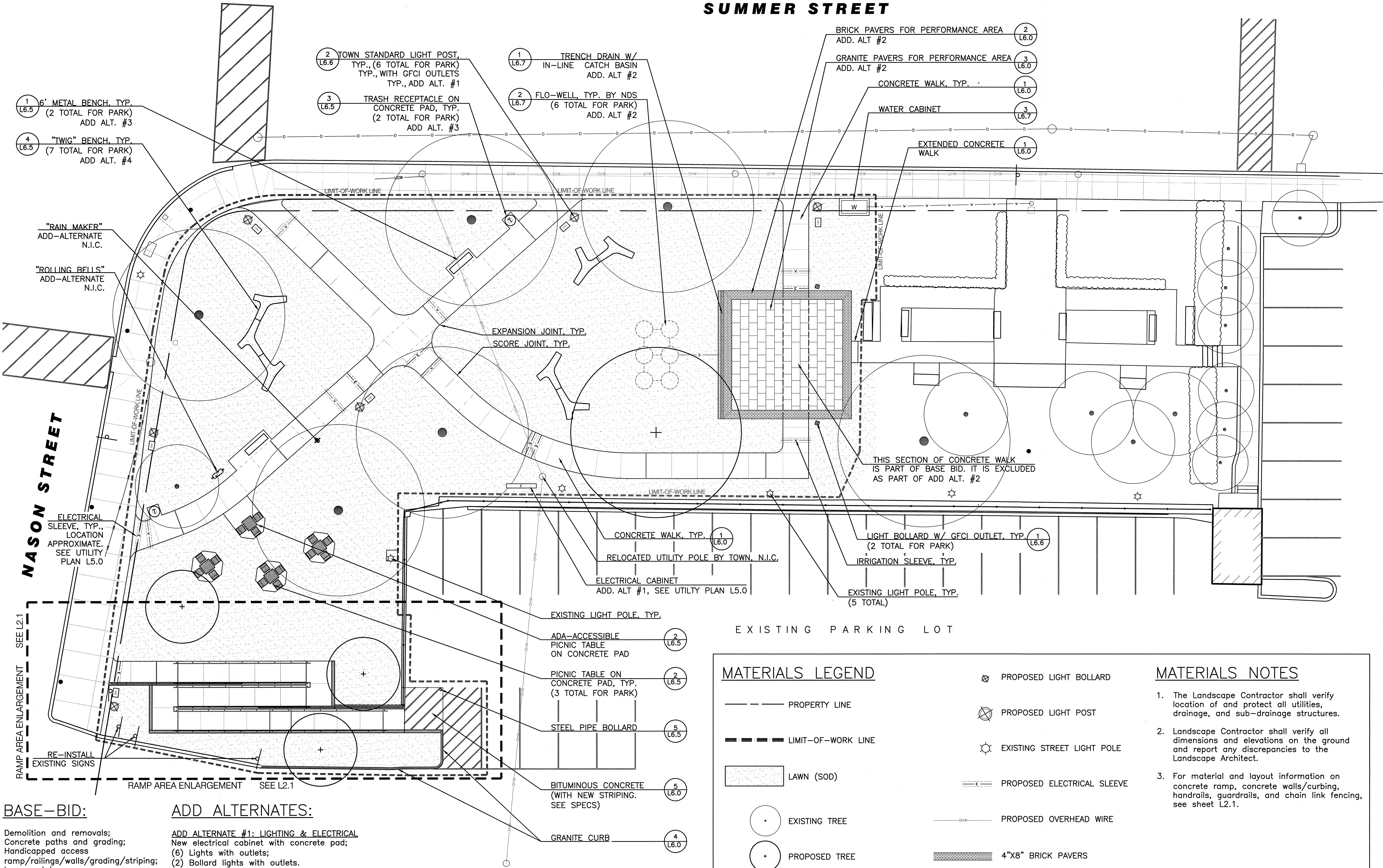
DWN BY: JHC

CKD BY: CCB

PROJ. #: 1506

L0.1

SUMMER STREET



BASE-BID:

Demolition and removals;
Concrete paths and grading;
Handicapped access
ramp/railings/walls/grading/stripping;
Lawn and trees;
Water cabinet with concrete
pad; Sleeve under walks.

ADD ALTERNATES:

ADD ALTERNATE #1: LIGHTING & ELECTRICAL
New electrical cabinet with concrete pad;
(6) Lights with outlets;
(2) Bollard lights with outlets.

ADD ALTERNATE #2: PERFORMANCE AREA
Granite and brick paving on concrete pad (excludes section of concrete walk);
Trench drain and dry wells.

ADD ALTERNATE #3: SITE FURNITURE (EXCLUDING TWIG BENCHES)
Straight benches, tables and chairs, trash receptacles, and associated concrete
pads

ADD ALTERNATE #4: TWIG BENCHES
All Twig Benches

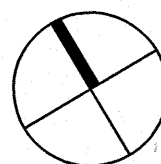
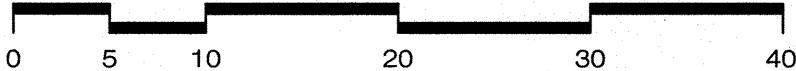
NOT INCLUDED IN CONTRACT:
Moving utility pole (to be done
by Town before start of
construction); Irrigation system;
Rolling bells and rainmaker site
elements.

MATERIALS LEGEND

- PROPERTY LINE
- LIMIT-OF-WORK LINE
- LAWN (SOD)
- EXISTING TREE
- PROPOSED TREE
- N.I.C. NOT IN CONTRACT
- PROPOSED DRAIN LINE
- PROPOSED IRRIGATION SLEEVE
- PROPOSED LIGHT BOLLARD
- PROPOSED LIGHT POST
- EXISTING STREET LIGHT POLE
- PROPOSED ELECTRICAL SLEEVE
- PROPOSED OVERHEAD WIRE
- 4"x8" BRICK PAVERS
- 2'x3' GRANITE PAVERS
- CONCRETE:
SCORE JOINTS (6' MAX)
EXPANSION JOINTS (30' MAX)

MATERIALS NOTES

- The Landscape Contractor shall verify location of and protect all utilities, drainage, and sub-drainage structures.
- Landscape Contractor shall verify all dimensions and elevations on the ground and report any discrepancies to the Landscape Architect.
- For material and layout information on concrete ramp, concrete walls/curbing, handrails, guardrails, and chain link fencing, see sheet L2.1.



VETERANS' MEMORIAL PARK

Maynard, MA

MATERIALS PLAN

CBA Landscape Architects LLC
24 THORNDIKE STREET CAMBRIDGE MA 02141
phone 617.945.9760 www.cbaland.com cba@cbaland.com
landscape architecture
urban design
master planning

DATE: 01-25-2017
SCALE: 1" = 10' - 0"
FILE: May_L1_Materials.dwg
DWN BY: JHC
CKD BY: CCB
PROJ. #: 1506

L1.0

SUMMER STREET

POINT OF BEGINNING FOR LAYOUT OF PATHWAYS

BLEND IN FIELD

BLEND IN FIELD

SCORE JOINT, TYP.

EXPANSION JOINT, TYP.

CONCRETE PADS TO RUN PARALLEL TO EACH OTHER. SEE ENLARGEMENT

PICNIC AREA ENLARGEMENT THIS SHEET

RAMP AREA ENLARGEMENT SEE L2.1

NASON STREET

2' BRICK BAND TYP.

10 ROWS OF 2'X3' GRANITE PAVERS IN RUNNING BOND PATTERN

SOLDIER COURSE OF 4X8 BRICK IN FRONT OF TRENCH DRAIN

6 ROWS OF 4X8 BRICK IN RUNNING BOND PATTERN, TYP. SEE DETAIL 2/L6.0 FOR CORNER PATTERN

ALIGN WALK

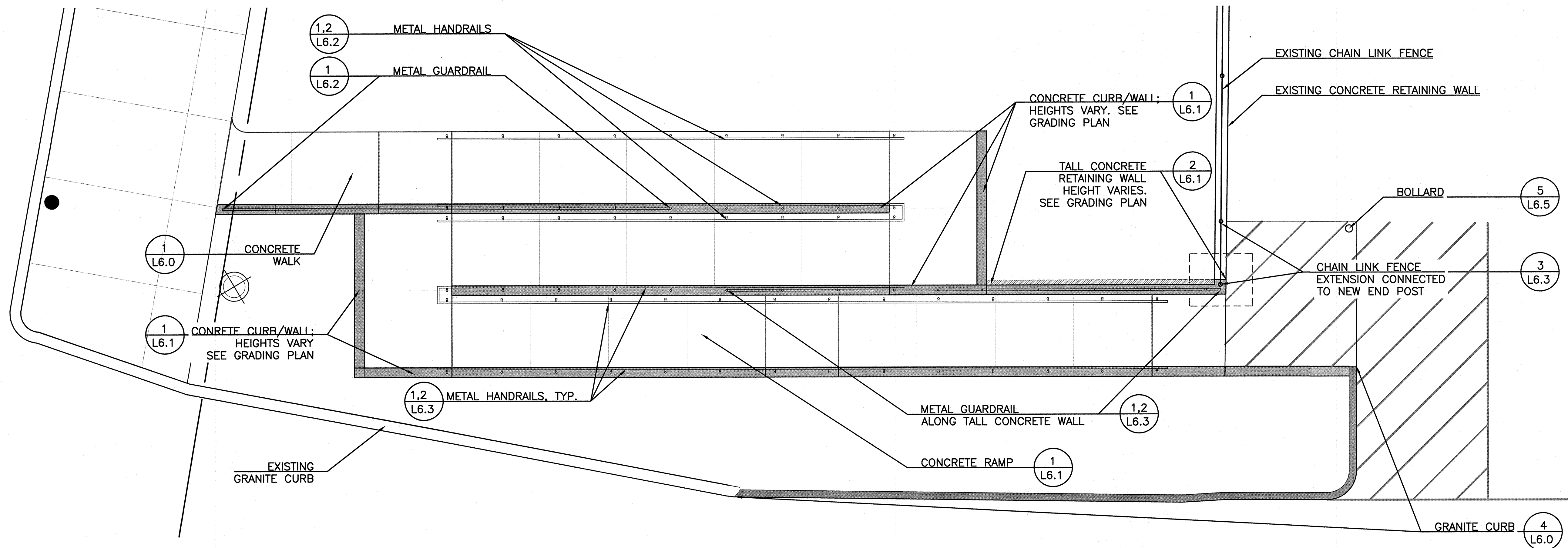
ALIGN WALK

ALIGN 5' PATHWAY WITH EXISTING 5' PATH

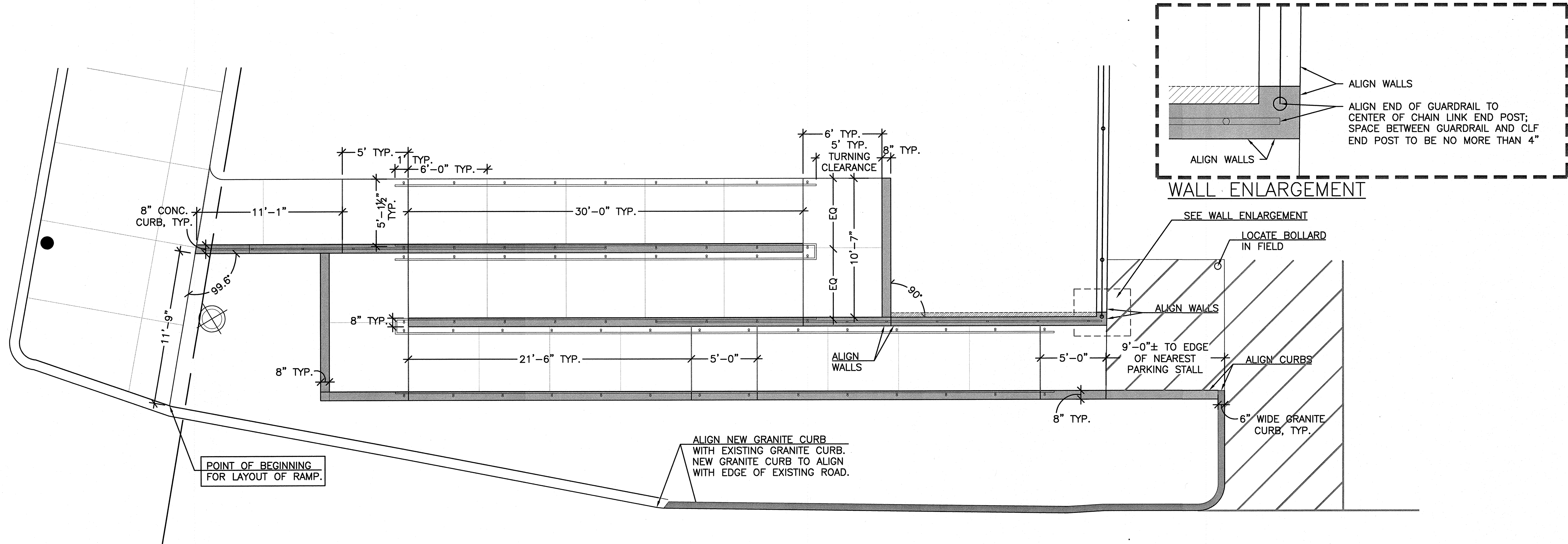
LOCATE CONCRETE PAD FOR ELECTRICAL CABINET IN FIELD

LAYOUT NOTES

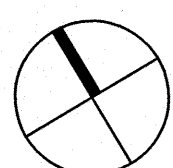
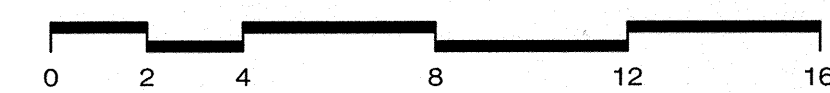
- The Landscape Contractor shall verify location of and protect all utilities, drainage, and sub-drainage structures.
- Layout of plan to be done by a Registered Surveyor.
- Landscape Contractor shall verify all dimensions and elevations on the ground and report any discrepancies to the Landscape Architect.
- Landscape Contractor shall stake layout of plan on the site for approval of Landscape Architect before commencement of construction.
- All water, drainage, and electrical lines to be coordinated with footings for site features.



RAMP AREA ENLARGEMENT – MATERIALS



RAMP AREA ENLARGEMENT – LAYOUT



VETERANS' MEMORIAL PARK

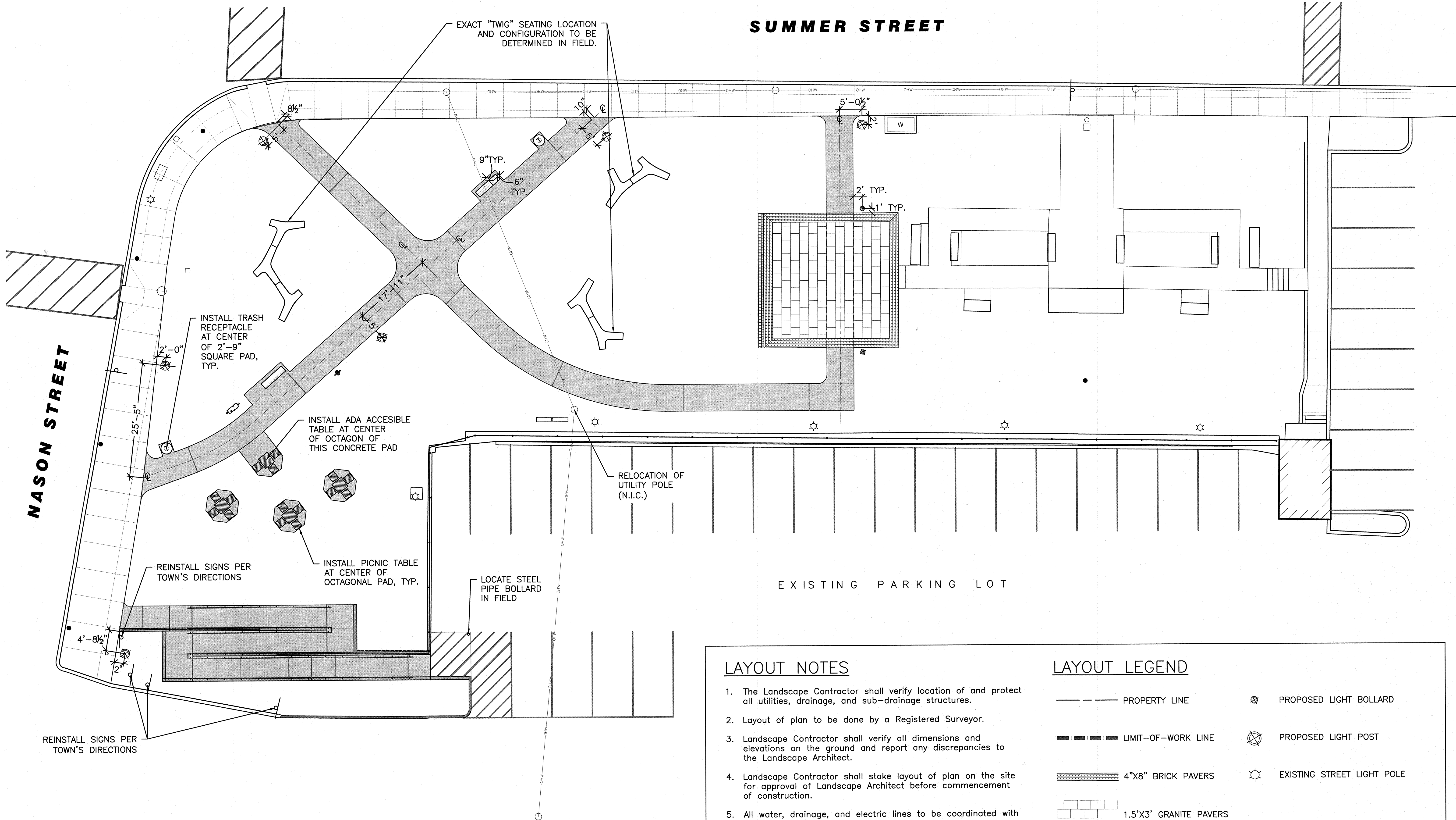
Maynard, MA

MATERIALS & LAYOUT - RAMP ENLARGEMENT

CBA | Landscape Architects LLC
24 THORNDIKE STREET | CAMBRIDGE MA 02141
phone 617.945.9760 | www.cbaland.com | cba@cbaland.com
landscape architecture
urban design
master planning

DATE: 01-25-2016
SCALE: 1/4" = 1' - 0"
FILE: May_L2_Layout.dwg
DWN BY: JHC
CKD BY: CCB
PROJ. #: 1506

L2.1



BASE-BID:

Demolition and removals; Concrete paths and grading; Handicapped access ramp/railings/walls/grading/stripping; Lawn and trees; Water cabinet with concrete pad; Sleeve under walks.

ADD ALTERNATES:

ADD ALTERNATE #1: LIGHTING & ELECTRICAL
New electrical cabinet with concrete pad;
(6) Lights with outlets;
(2) Bollard lights with outlets.

ADD ALTERNATE #2: PERFORMANCE AREA
Granite and brick paving on concrete pad
(excludes section of concrete walk);
Trench drain and dry wells.

ADD ALTERNATE #3: SITE FURNITURE
(EXCLUDING TWIG BENCHES)
Straight benches, tables and chairs, trash receptacles, and associated concrete pads

ADD ALTERNATE #4: TWIG BENCHES
All Twig Benches

NOT INCLUDED IN CONTRACT:
Moving utility pole (to be done by Town before start of construction); Irrigation system; Rolling bells and rainmaker site elements.

VETERANS' MEMORIAL PARK

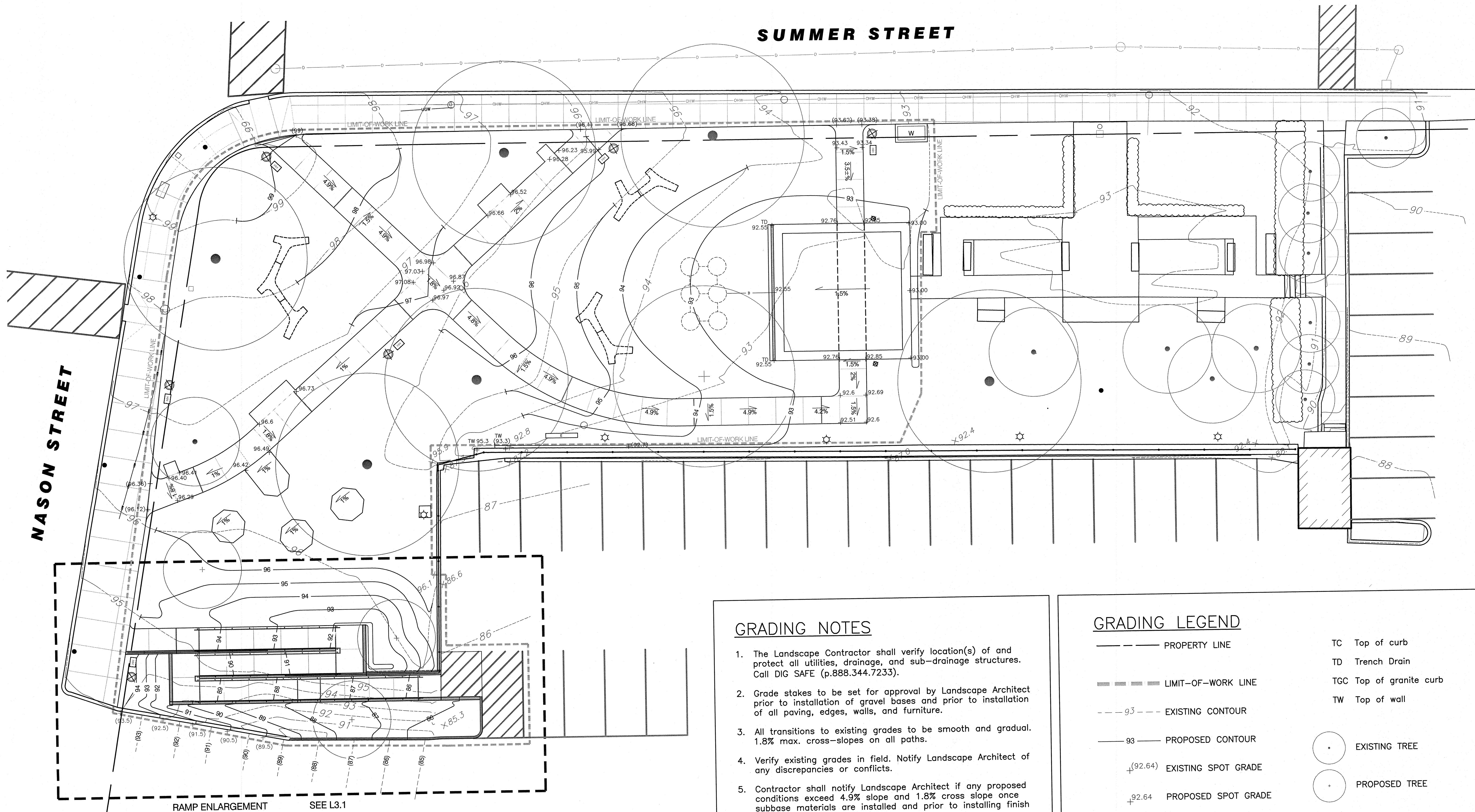
Maynard, MA

LAYOUT OF FURNITURE & LIGHT POSTS

CBA | Landscape Architects LLC
24 THORNDIKE STREET | CAMBRIDGE MA 02141
phone 617.945.9760 | www.cbaland.com | cba@cbaland.com
landscape architecture
urban design
master planning

DATE: 01-25-2016
SCALE: 1" = 10' - 0"
FILE: May_L2_Layout.dwg
DWN BY: JHC
CKD BY: CCB
PROJ. #: 1506

L2.2



BASE-BID:

Demolition and removals; Concrete paths and grading; Handicapped access ramp/railings/walls/grading/stripping; Lawn and trees; Water cabinet with concrete pad; Sleeve under walks.

ADD. ALTERNATES:

ADD ALTERNATE #1: LIGHTING & ELECTRICAL

New electrical cabinet with concrete pad;
(6) Lights with outlets;
(2) Bollard lights with outlets.

ADD ALTERNATE #2: PERFORMANCE AREA

Granite and brick paving on concrete pad
(excludes section of concrete walk);
Trench drain and dry wells.

ADD ALTERNATE #3: SITE FURNITURE

(EXCLUDING TWIG BENCHES)
Straight benches, tables and chairs, trash receptacles, and associated concrete pads

ADD ALTERNATE #4: TWIG BENCHES

All Twig Benches

NOT INCLUDED IN CONTRACT:

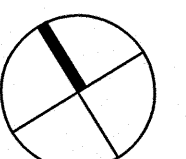
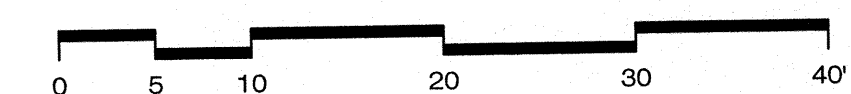
Moving utility pole (to be done by Town before start of construction); Irrigation system; Rolling bells and rainmaker site elements.

GRADING NOTES

1. The Landscape Contractor shall verify location(s) of and protect all utilities, drainage, and sub-drainage structures. Call DIG SAFE (p.888.344.7233).
2. Grade stakes to be set for approval by Landscape Architect prior to installation of gravel bases and prior to installation of all paving, edges, walls, and furniture.
3. All transitions to existing grades to be smooth and gradual. 1.8% max. cross-slopes on all paths.
4. Verify existing grades in field. Notify Landscape Architect of any discrepancies or conflicts.
5. Contractor shall notify Landscape Architect if any proposed conditions exceed 4.9% slope and 1.8% cross slope once subbase materials are installed and prior to installing finish material.
6. Any area outside the Limit of Work Line which is disturbed shall be restored to previous conditions at no cost to the owner.
7. Any tree, that has existing grades modified underneath its canopy, must be reviewed by a certified arborist to determine whether it must be removed. The Town is to select and the Contractor is to hire the Arborist. The contractor is responsible for removing the tree if recommended by the Arborist.

GRADING LEGEND

— — — — —	PROPERTY LINE	TC	Top of curb
— — — — —	LIMIT-OF-WORK LINE	TD	Trench Drain
---g3---	EXISTING CONTOUR	TGC	Top of granite curb
—g3—	PROPOSED CONTOUR	TW	Top of wall
+ (92.64)	EXISTING SPOT GRADE	•	EXISTING TREE
+ 92.64	PROPOSED SPOT GRADE	•	PROPOSED TREE
— • —	DRAIN LINE		
○	DRYWELL ("FLO-WELL" BY NDS)		



VETERANS' MEMORIAL PARK

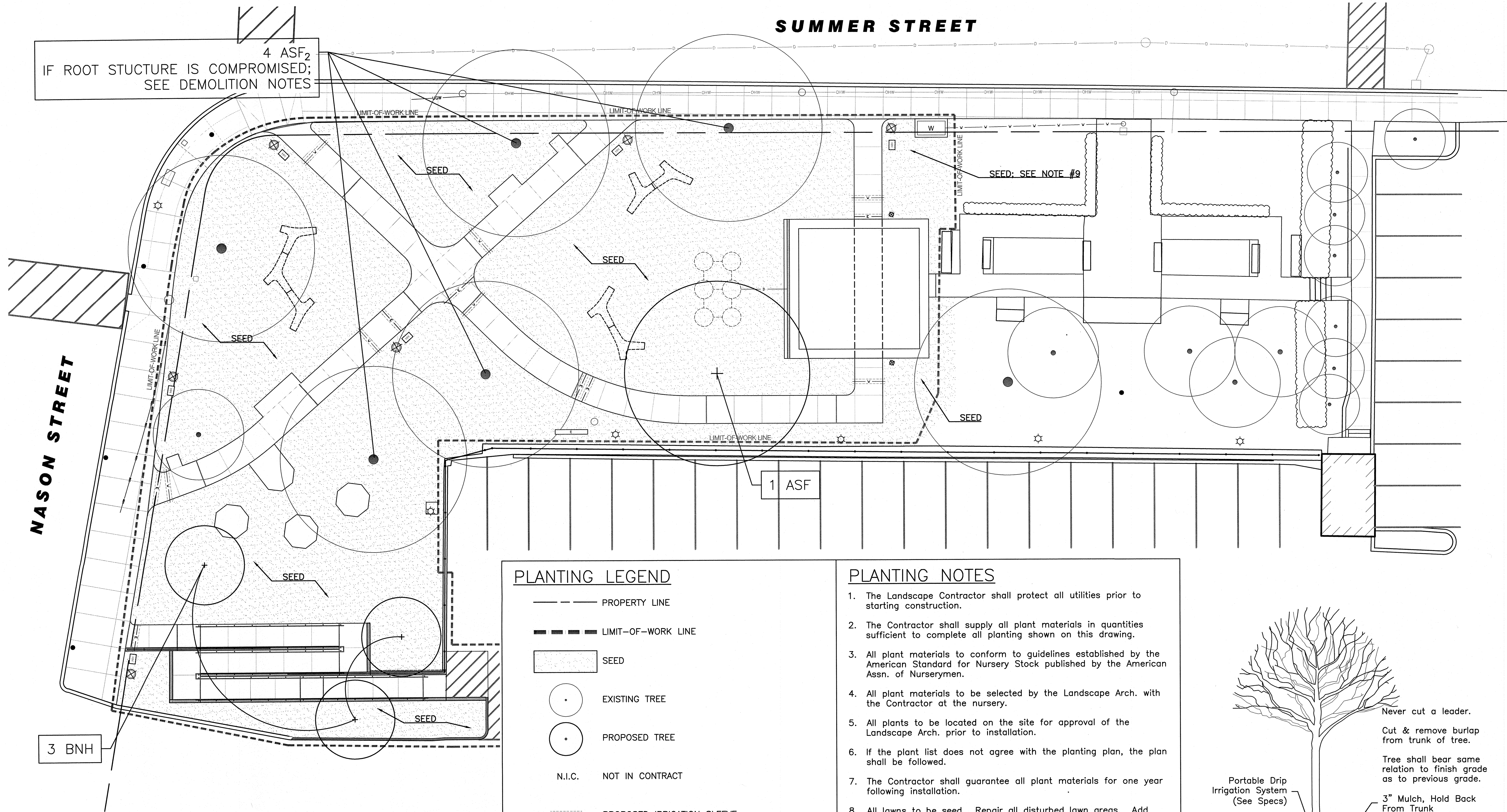
Maynard, MA

GRADING PLAN

CBA | Landscape Architects LLC
24 THORNDIKE STREET | CAMBRIDGE MA 02141
phone 617.945.9760 | www.cbaland.com | cba@cbaland.com
landscape architecture
urban design
master planning

DATE: 01-25-2016
SCALE: 1" = 10' - 0"
FILE: May_L3_Grading.dwg
DWN BY: JHC
CKD BY: CCB
PROJ. #: 1506

L3.0



BASE-BID:

Demolition and removals; Concrete paths and grading; Handicapped access ramp/railings/walls/grading/stripping; Lawn and trees; Water cabinet with concrete pad; Sleeve under walks.

ADD ALTERNATES:

ADD ALTERNATE #1: LIGHTING & ELECTRICAL
New electrical cabinet with concrete pad;
(6) Lights with outlets;
(2) Bollard lights with outlets.

ADD ALTERNATE #2: PERFORMANCE AREA
Granite and brick paving on concrete pad (excludes section of concrete walk); Trench drain and dry wells.

ADD ALTERNATE #3: SITE FURNITURE (EXCLUDING TWIG BENCHES)
Straight benches, tables and chairs, trash receptacles, and associated concrete pads

ADD ALTERNATE #4: TWIG BENCHES
All Twig Benches

NOT INCLUDED IN CONTRACT:
Moving utility pole (to be done by Town before start of construction); Irrigation system; Rolling bells and rainmaker site elements.

PLANTING LEGEND

- PROPERTY LINE
- LIMIT-OF-WORK LINE
- SEED
- EXISTING TREE
- PROPOSED TREE
- N.I.C. NOT IN CONTRACT
- PROPOSED IRRIGATION SLEEVE
- PROPOSED ELECTRICAL SLEEVE

PLANT LIST

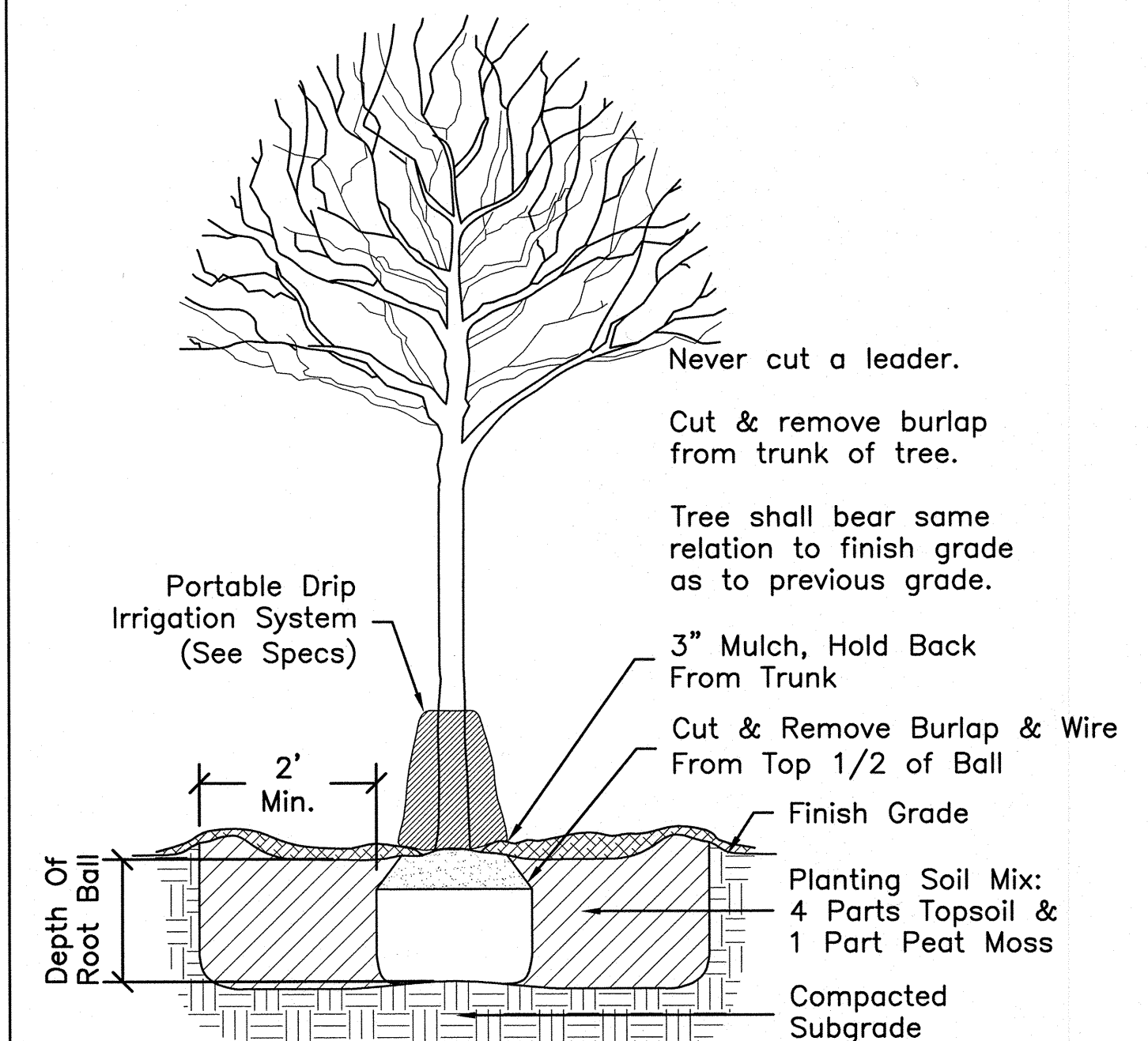
TREES SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE
ASF	1	Acer saccharum 'Fall Fiesta'	Maple, Fall Fiesta Sugar	3.5-4" cal
BNH	3	Betula nigra 'Heritage'	Birch, Heritage River	4.5"-4" cal

TREES THAT MAY NEED TO BE REPLACED*** SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE
ASF2	4	Acer saccharum 'Fall Fiesta'	Maple, Fall Fiesta Sugar	5-6" cal

***TO BE DETERMINED DURING CONSTRUCTION.
IF REPLACEMENT IS REQUIRED, A CHANGE ORDER WILL BE ISSUED.

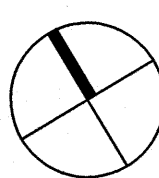
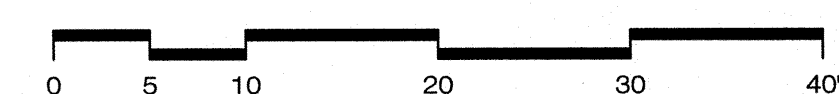
PLANTING NOTES

- The Landscape Contractor shall protect all utilities prior to starting construction.
- The Contractor shall supply all plant materials in quantities sufficient to complete all planting shown on this drawing.
- All plant materials to conform to guidelines established by the American Standard for Nursery Stock published by the American Assn. of Nurserymen.
- All plant materials to be selected by the Landscape Arch. with the Contractor at the nursery.
- All plants to be located on the site for approval of the Landscape Arch. prior to installation.
- If the plant list does not agree with the planting plan, the plan shall be followed.
- The Contractor shall guarantee all plant materials for one year following installation.
- All lawns to be seed. Repair all disturbed lawn areas. Add topsoil to disturbed lawns so that there is minimum 6" depth of topsoil. For new lawns rototill subsoil before adding topsoil to a depth of 6" except where root structures prohibit. Topsoil must be added over exposed tree roots. See Specs for grass seed mix and hydroseding requirements.
- Soil should be rototilled, aerated, and top-dressed. Use air-spades under existing trees. Top soil to be a minimum of 6" deep everywhere.
- No substitution of plant materials shall be allowed without approval of Landscape Architect.
- All existing trees to be pruned, see specifications.
- No trees are to be planted before the rough grades have been accepted by the Landscape Architect.
- All landscaped areas disturbed by construction inside/outside the Limit of Work are to be repaired by the Contractor at no additional cost to owner.



TREE PLANTING

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



VETERANS' MEMORIAL PARK

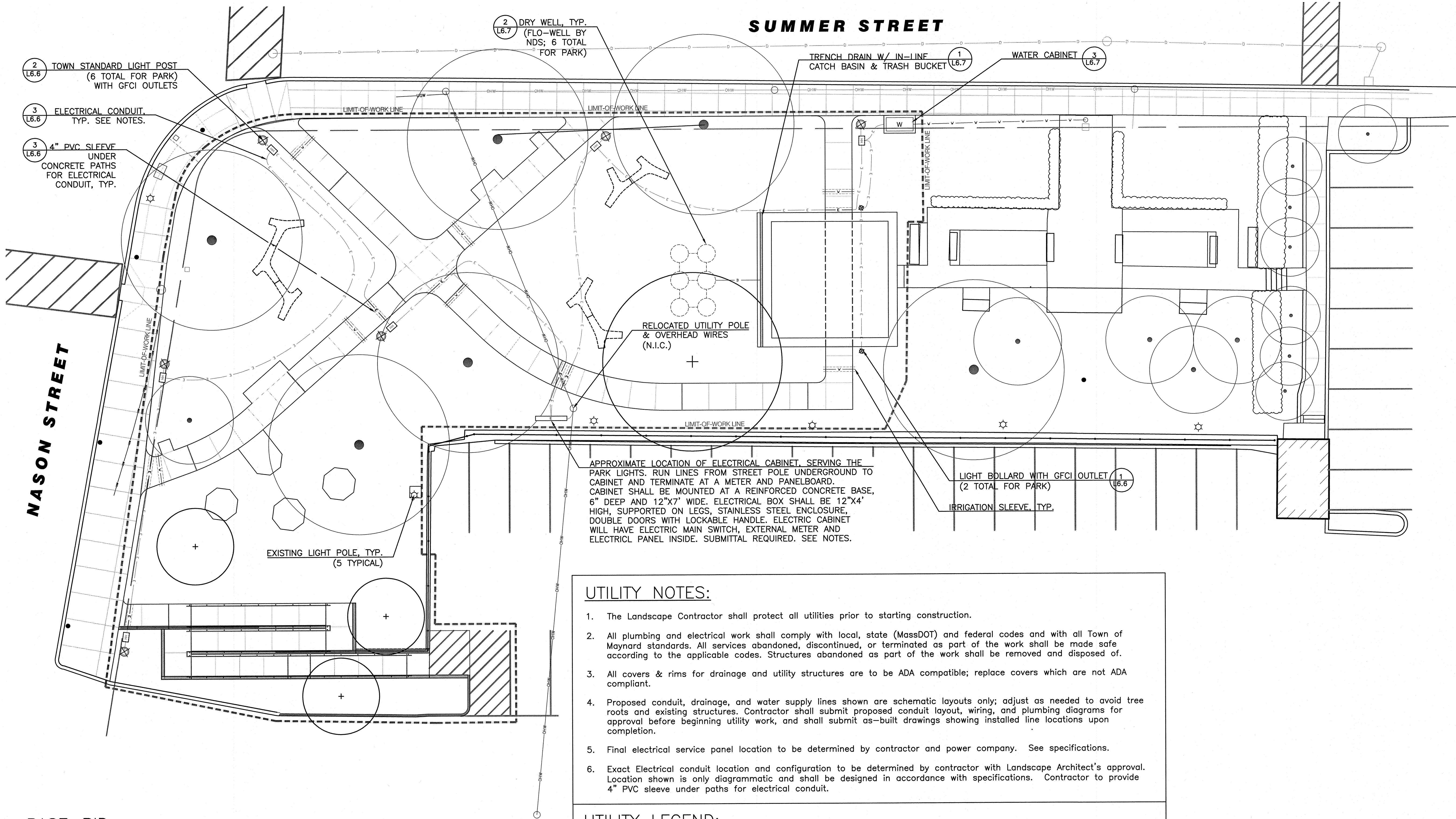
Maynard, MA

PLANTING PLAN

CBA | Landscape Architects LLC
24 THORNDIKE STREET | CAMBRIDGE, MA 02141
phone 617.945.9760 | www.cbaland.com
cba@cbaland.com
landscape architecture
urban design
master planning

DATE: 01-25-2016
SCALE: 1" = 10' - 0"
FILE: May_L4_Planting.dwg
DWN BY: JHC
CKD BY: CCB
PROJ. #: 1506

L4.0



BASE-BID:

Demolition and removals; Concrete paths and grading; Handicapped access ramp/railings/walls/grading/stripping; Lawn and trees; Water cabinet with concrete pad; Sleeve under walks.

ADD ALTERNATES:

ADD ALTERNATE #1: LIGHTING & ELECTRICAL

New electrical cabinet with concrete pad;
(6) Lights with outlets;
(2) Bollard lights with outlets.

ADD ALTERNATE #2: PERFORMANCE AREA

Granite and brick paving on concrete pad (excludes section of concrete walk);
Trench drain and dry wells.

ADD ALTERNATE #3: SITE FURNITURE

(EXCLUDING TWIG BENCHES)
Straight benches, tables and chairs, trash receptacles, and associated concrete pads

ADD ALTERNATE #4: TWIG BENCHES

All Twig Benches

NOT INCLUDED IN CONTRACT:

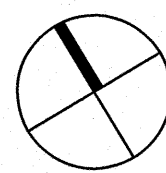
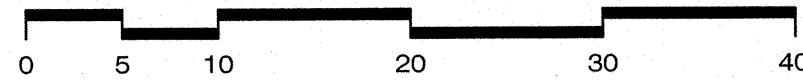
Moving utility pole (to be done by Town before start of construction); Irrigation system; Rolling bells and rainmaker site elements.

UTILITY NOTES:

1. The Landscape Contractor shall protect all utilities prior to starting construction.
2. All plumbing and electrical work shall comply with local, state (MassDOT) and federal codes and with all Town of Maynard standards. All services abandoned, discontinued, or terminated as part of the work shall be made safe according to the applicable codes. Structures abandoned as part of the work shall be removed and disposed of.
3. All covers & rims for drainage and utility structures are to be ADA compatible; replace covers which are not ADA compliant.
4. Proposed conduit, drainage, and water supply lines shown are schematic layouts only; adjust as needed to avoid tree roots and existing structures. Contractor shall submit proposed conduit layout, wiring, and plumbing diagrams for approval before beginning utility work, and shall submit as-built drawings showing installed line locations upon completion.
5. Final electrical service panel location to be determined by contractor and power company. See specifications.
6. Exact Electrical conduit location and configuration to be determined by contractor with Landscape Architect's approval. Location shown is only diagrammatic and shall be designed in accordance with specifications. Contractor to provide 4" PVC sleeve under paths for electrical conduit.

UTILITY LEGEND:

— — — — —	PROPERTY LINE		PROPOSED LIGHT POST	— — — — —	PROPOSED DRAIN LINE
— — — — —	LIMIT-OF-WORK LINE		PROPOSED LIGHT BOLLARD	— — — — —	PROPOSED WATER LINE (IRRIGATION SLEEVE)
	LAWN TO BE LOAMED AND SEED		EXISTING LIGHT POLE	— — — — —	PROPOSED ELECTRICAL LINE
	EXISTING TREE		HANDHOLE	— — — — —	PROPOSED ELECTRICAL SLEEVE
	PROPOSED TREE	N.I.C.	NOT IN CONTRACT	— — — — —	PROPOSED OVERHEAD WIRING
				— — — — —	EXISTING OVERHEAD WIRING



VETERANS' MEMORIAL PARK

Maynard, MA

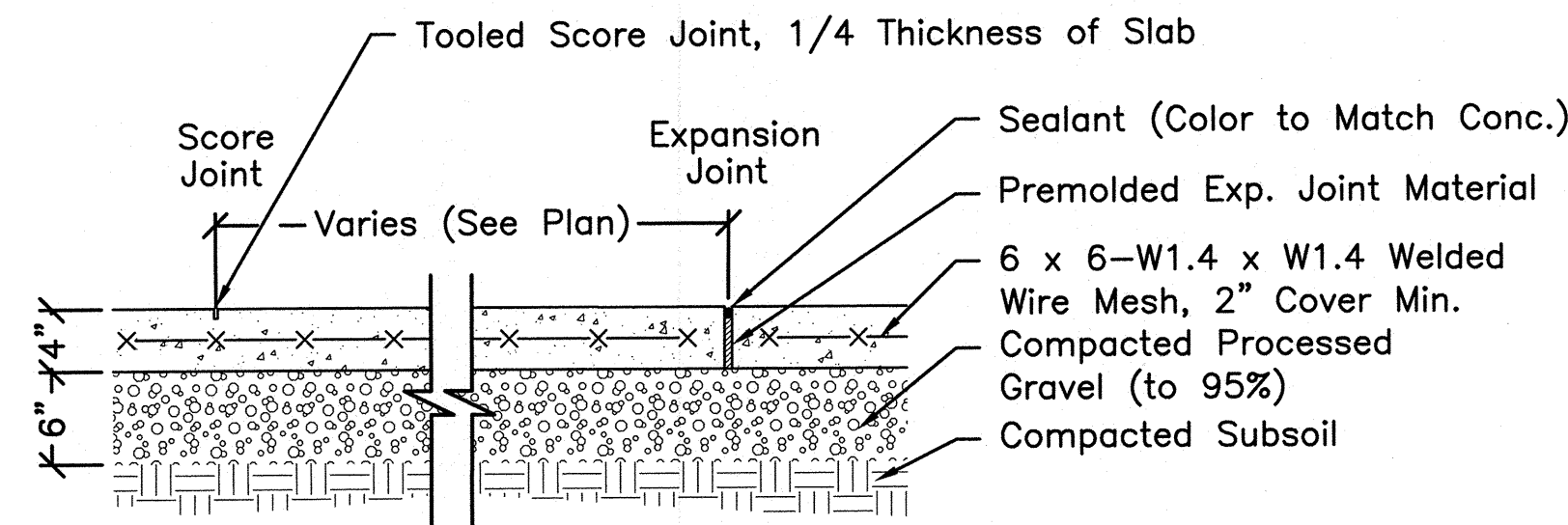
UTILITY PLAN

CBA | Landscape Architects LLC

24 THORNDIKE STREET | CAMBRIDGE, MA 02141
phone 617.945.9760 | www.cbaldand.com
landscape architecture
urban design
master planning

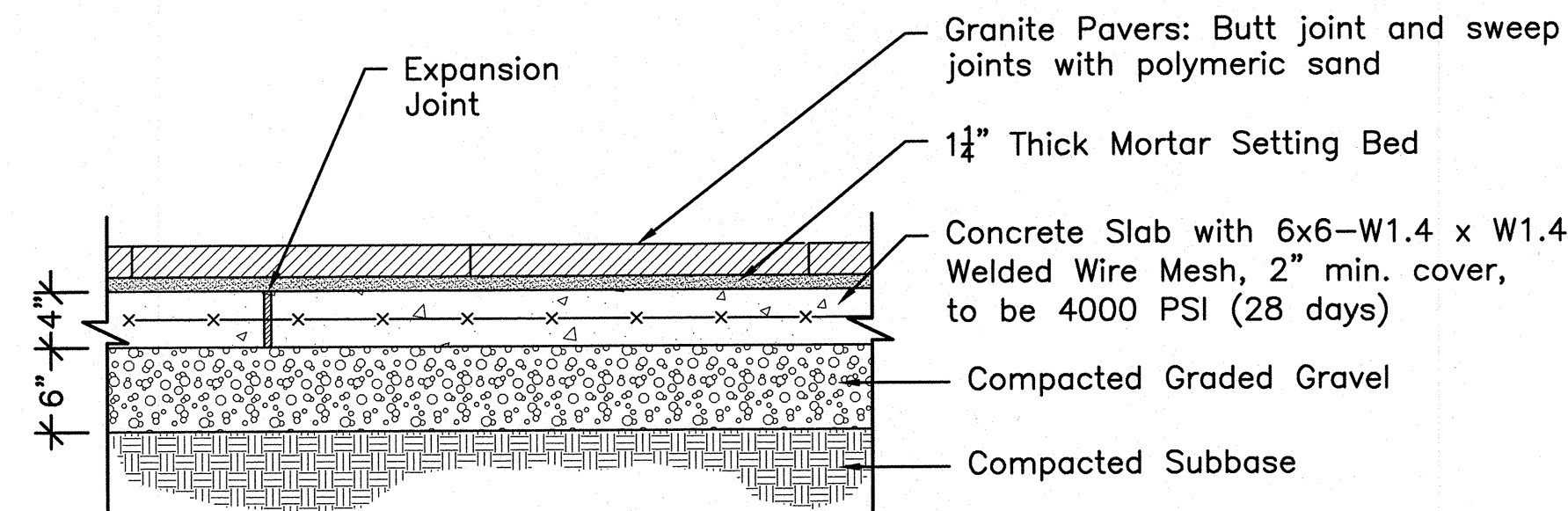
DATE: 01-25-2017
SCALE: 1" = 10' - 0"
FILE: May_L5_Uilities.dwg
DWN BY: JHC
CKD BY: CCB
PROJ. #: 1506

L5.0



NOTES:

1. Score joints every 6' (maximum), both directions (see Plan). Expansion joints every 30' (maximum). Locate expansion joints where paving abuts structures, curbs, walls, or existing paving.
2. Concrete to be 4000 PSI (28 days), light broom finish.
3. All walks shall slope to drain (1.8% maximum cross slope). Coordinate with existing grades.



NOTES:

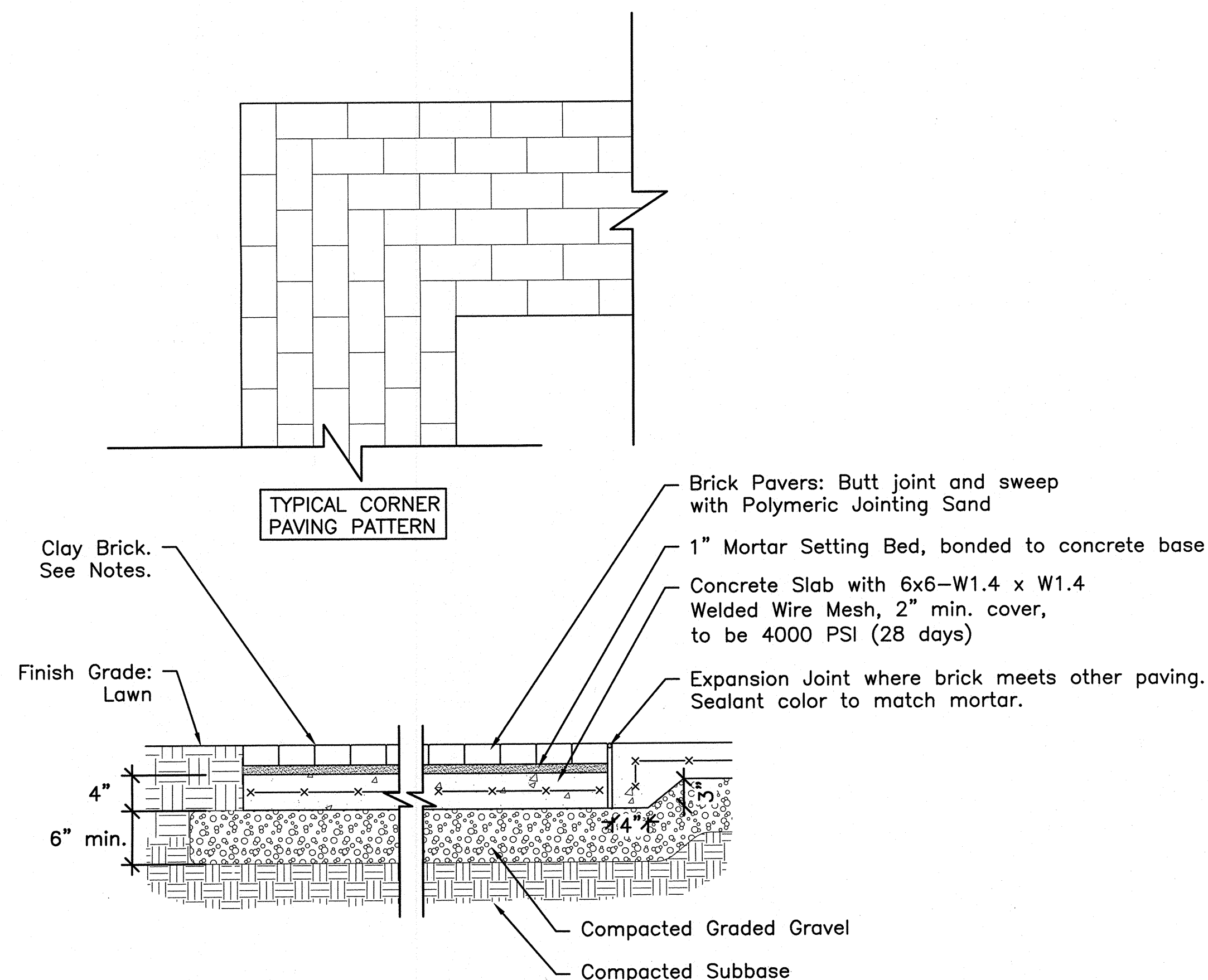
1. Granite Pavers to be 2'x3' nominal, and 2" thick (with 1.25" of mortar setting bed). Color to be "Woodbury Gray" by Swenson Granite with thermal top and sawn edges.
2. Provide sample for Landscape Architect's approval before ordering.
3. See Plans for paver layouts.
4. Concrete Base shall have expansion joints every 25' maximum; and where paving abuts other paving. Expansion joints shall conform to MSSHB.
5. Concrete formwork to be approved by Landscape Architect prior to concrete pour.
6. Set 4' Sample Area for approval before continuing.
7. Shop Drawings Required for all paving patterns.

1 CONCRETE WALK

Scale: 1"=1'-0"

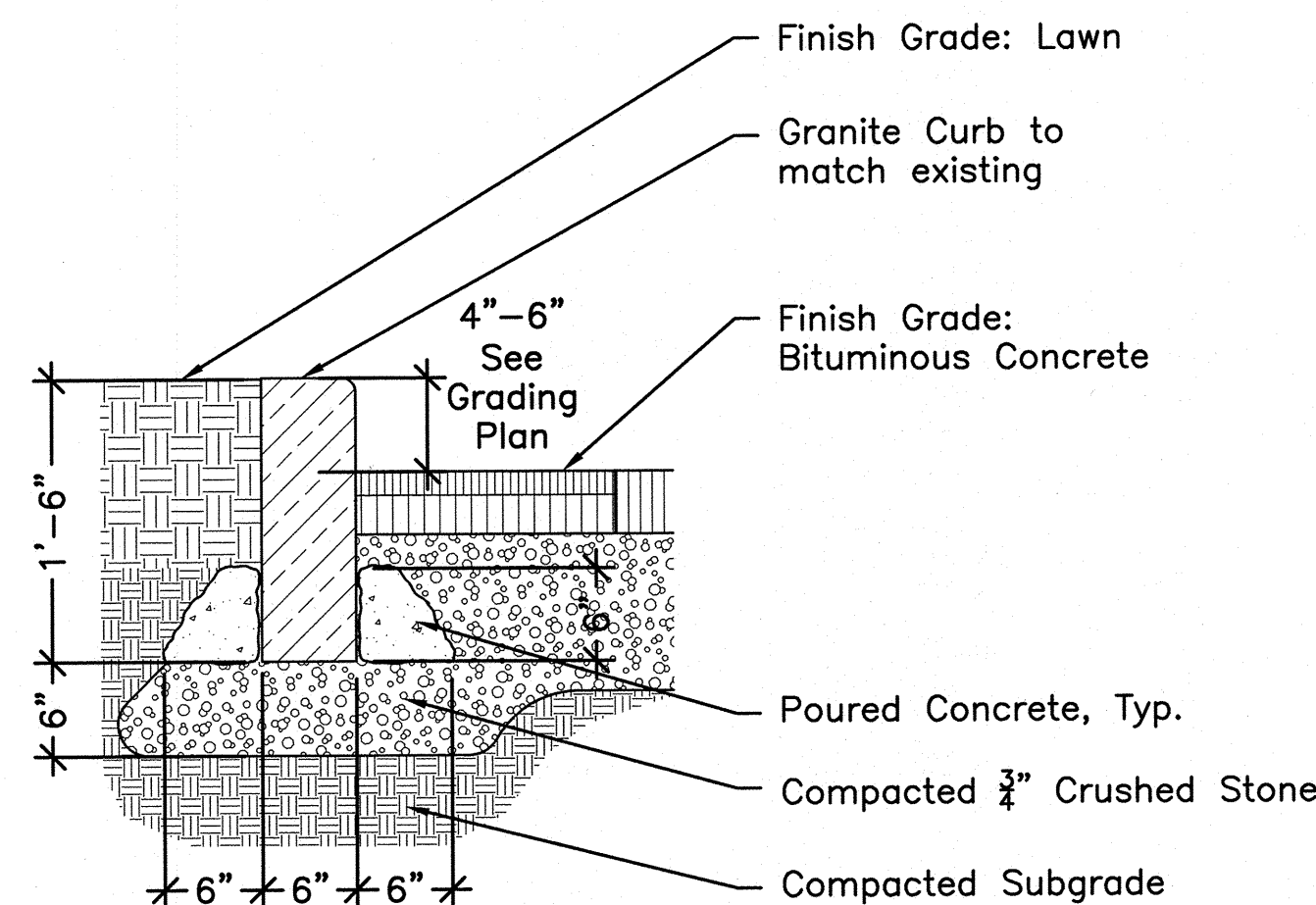
3 GRANITE PAVING ON CONCRETE (ADD ALTERNATE #2)

Scale: 1" = 1'-0"



NOTES:

1. Brick shall be installed in running bond pattern as shown on the Materials and Layout Plans. Confirm layout with L.A. before installing.
2. Brick shall be a wire-cut Belden Brick "City Line Series" in "Regimental Full Range" color palette with chamfered edge, no lugs.
3. Brick to be 4"x8"x2 1/4" actual size.
4. Provide samples showing full color range and actual brick shape, size, and edges for approval before ordering.
5. Concrete Base shall have expansion joints every 25' maximum, and where paving abuts other paving. Expansion joints shall conform to MSSHB.
6. Concrete formwork to be approved by Landscape Architect prior to concrete pour.
7. Set 4' Sample Area for approval before continuing.
8. Shop Drawings required for all paving patterns.

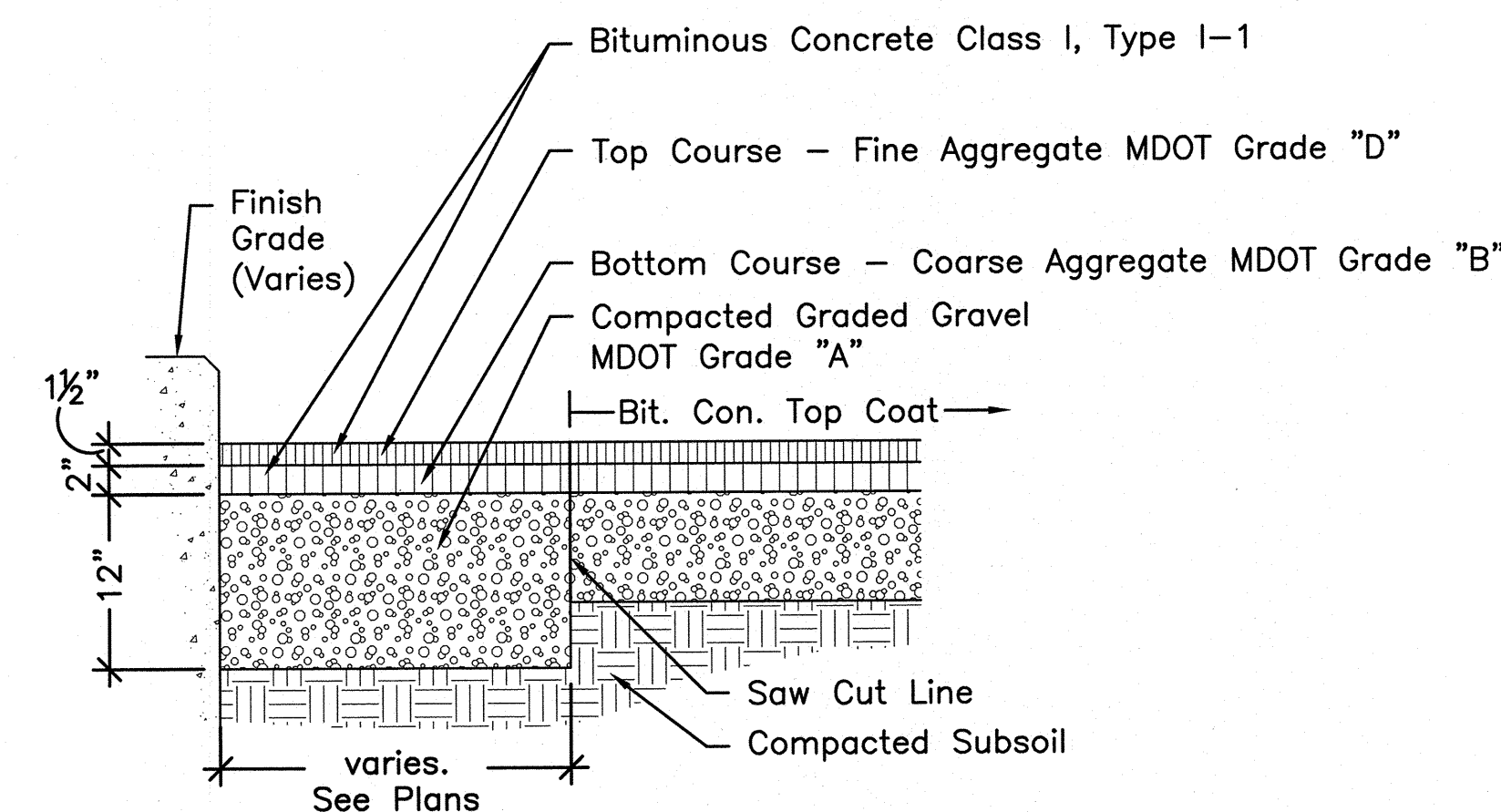


NOTES:

1. New granite shall match existing curb color, finish, and shape. Provide sample for approval by Landscape Architect.

4 GRANITE CURB

Scale: 1" = 1'-0"

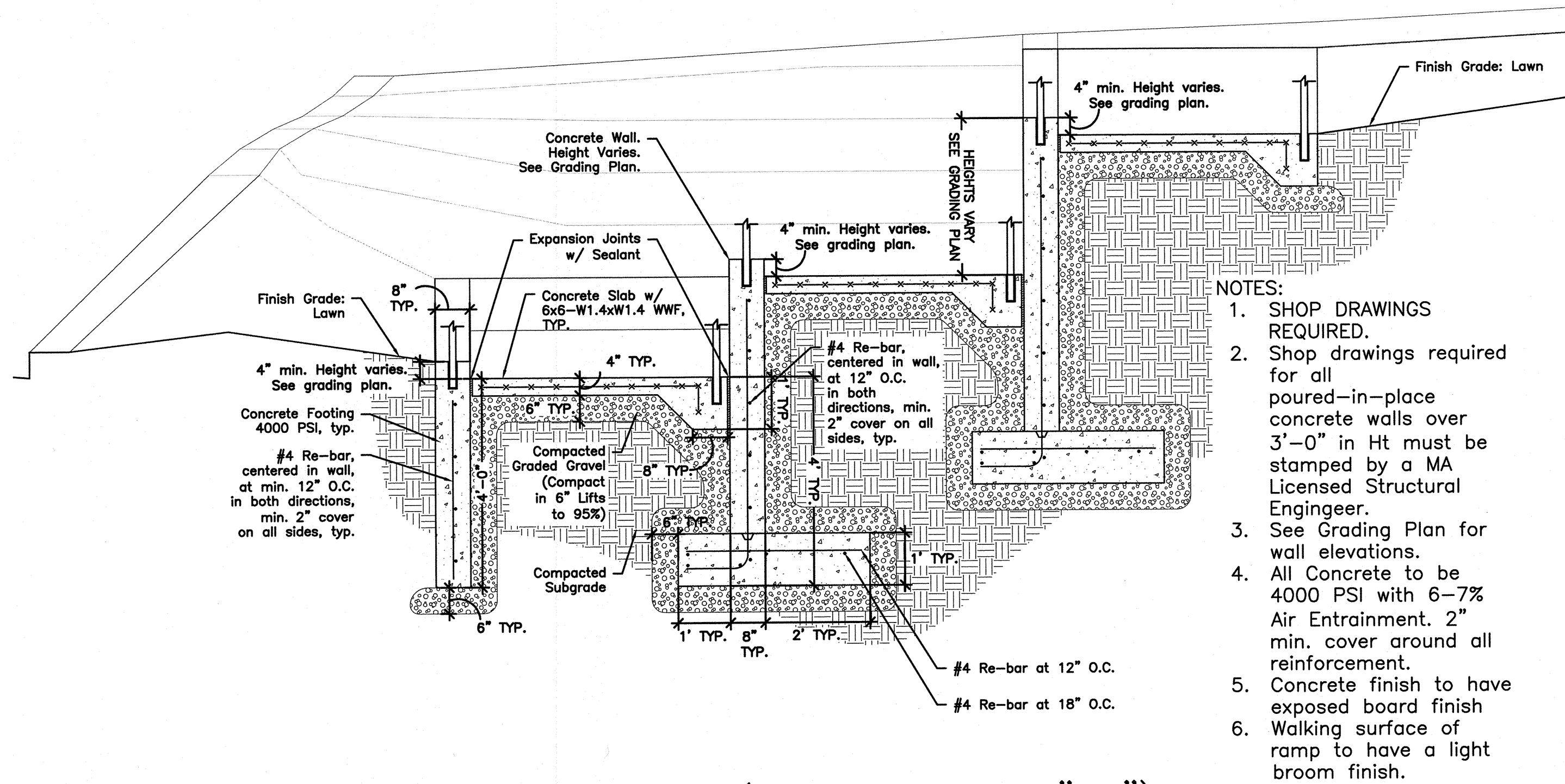


5 BITUMINOUS CONCRETE PATCH

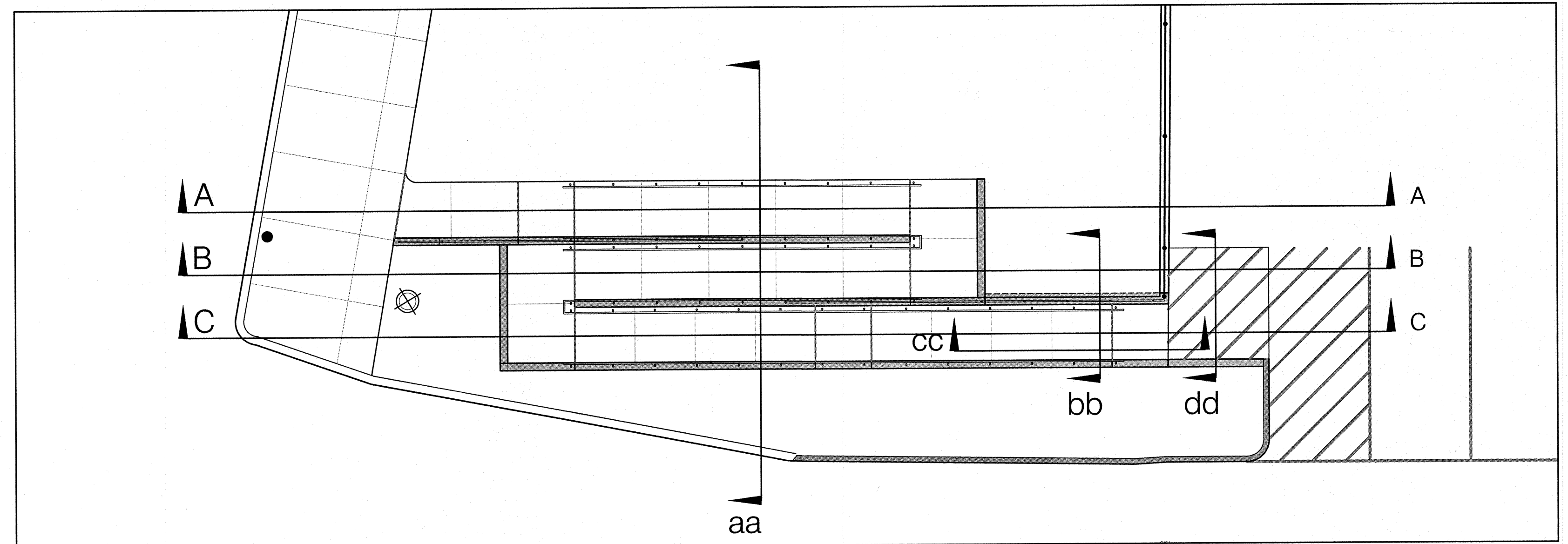
Scale: 1" = 1'-0"

2 BRICK PAVING ON CONCRETE (ADD ALTERNATE #2)

Scale: 1" = 1'-0"



- NOTES:
1. SHOP DRAWINGS REQUIRED.
 2. Shop drawings required for all poured-in-place concrete walls over 3'-0" in Ht must be stamped by a MA Licensed Structural Engineer.
 3. See Grading Plan for wall elevations.
 4. All Concrete to be 4000 PSI with 6-7% Air Entrainment. 2" min. cover around all reinforcement.
 5. Concrete finish to have exposed board finish.
 6. Walking surface of ramp to have a light broom finish.

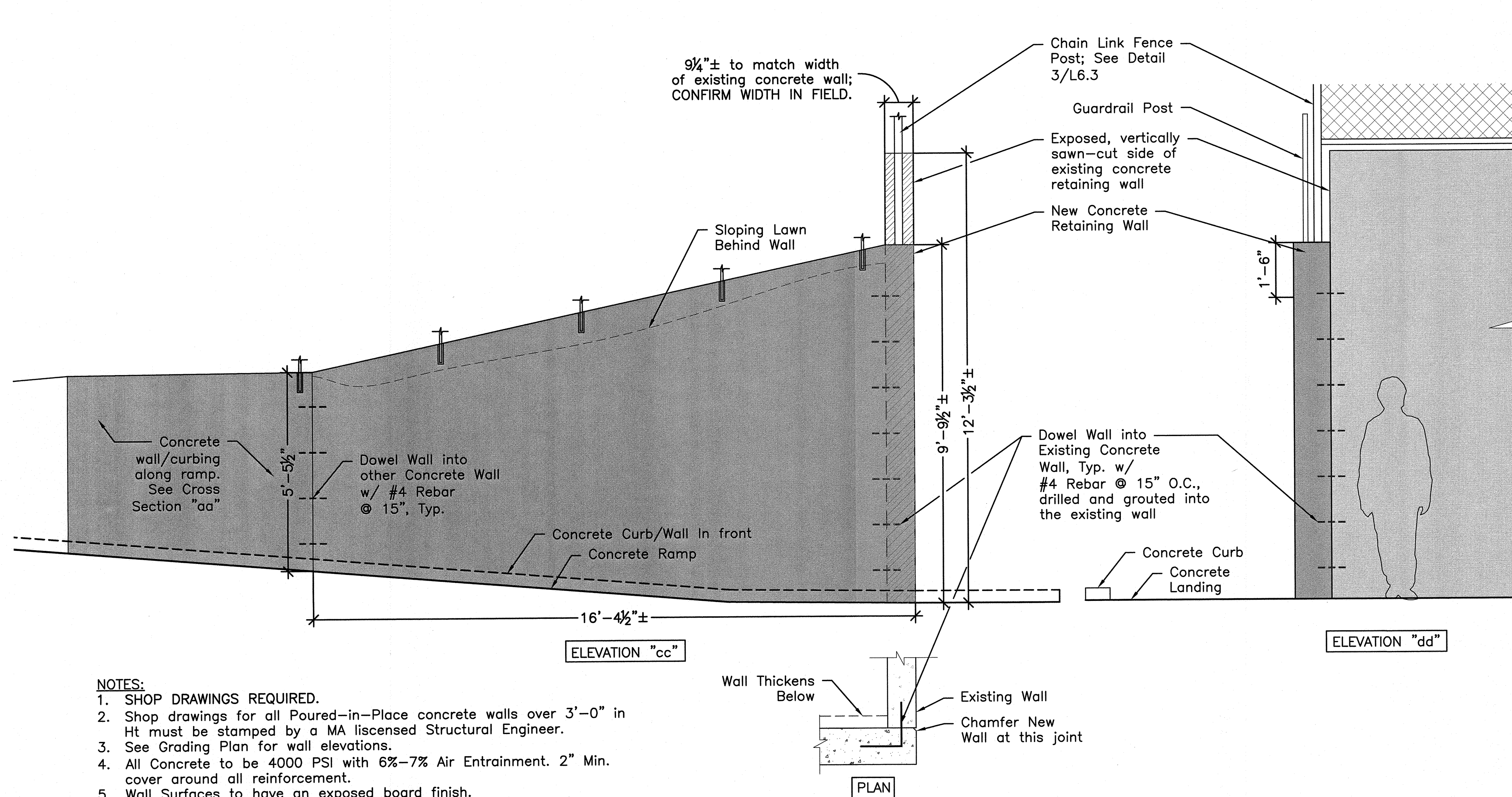


KEY PLAN
1/8" = 1'-0"

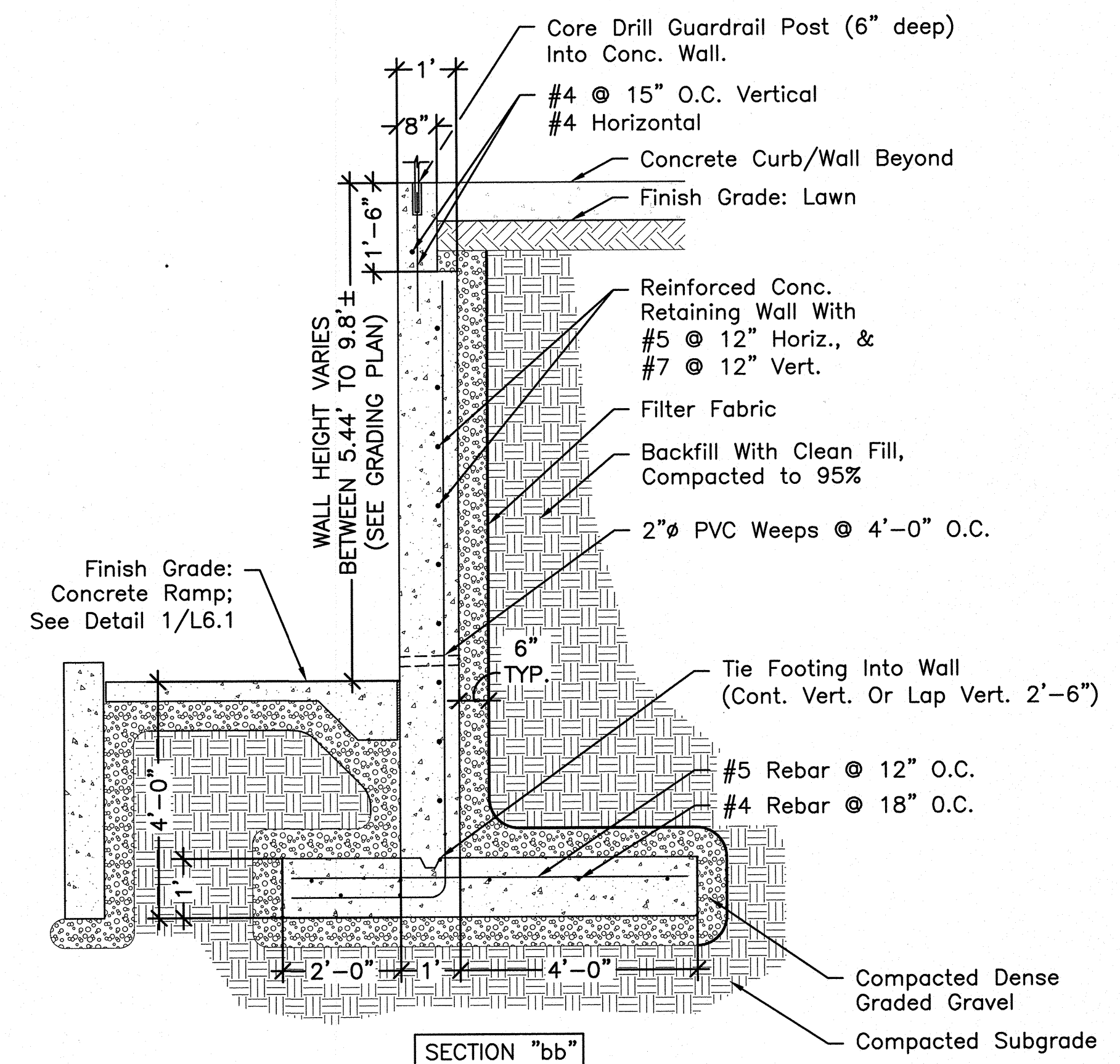
1. For longitudinal sections A, B, and C (rail details), see L6.2
2. For cross sections "aa" and "bb," and elevations "cc" and "dd," see this sheet L6.1

1 CONCRETE RAMP AND WALLS (Cross Section "aa")

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

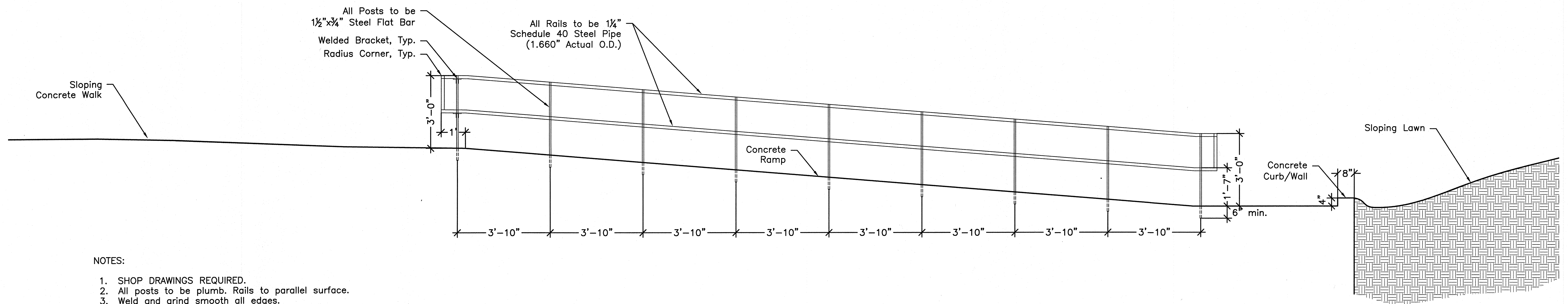


- NOTES:
1. SHOP DRAWINGS REQUIRED.
 2. Shop drawings for all Poured-in-Place concrete walls over 3'-0" in Ht must be stamped by a MA licensed Structural Engineer.
 3. See Grading Plan for wall elevations.
 4. All Concrete to be 4000 PSI with 6%-7% Air Entrainment. 2" Min. cover around all reinforcement.
 5. Wall Surfaces to have an exposed board finish.
 6. Control Joints at a maximum of 20'-25'. Construction Joints at maximum 60'.



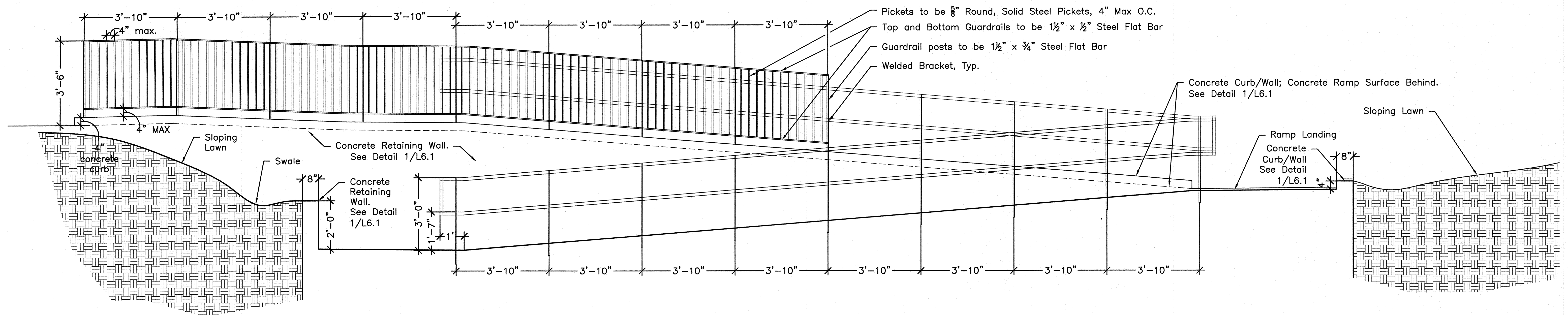
2 TALL CONCRETE RETAINING WALL, MEETING EXISTING CONCRETE RETAINING WALL

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



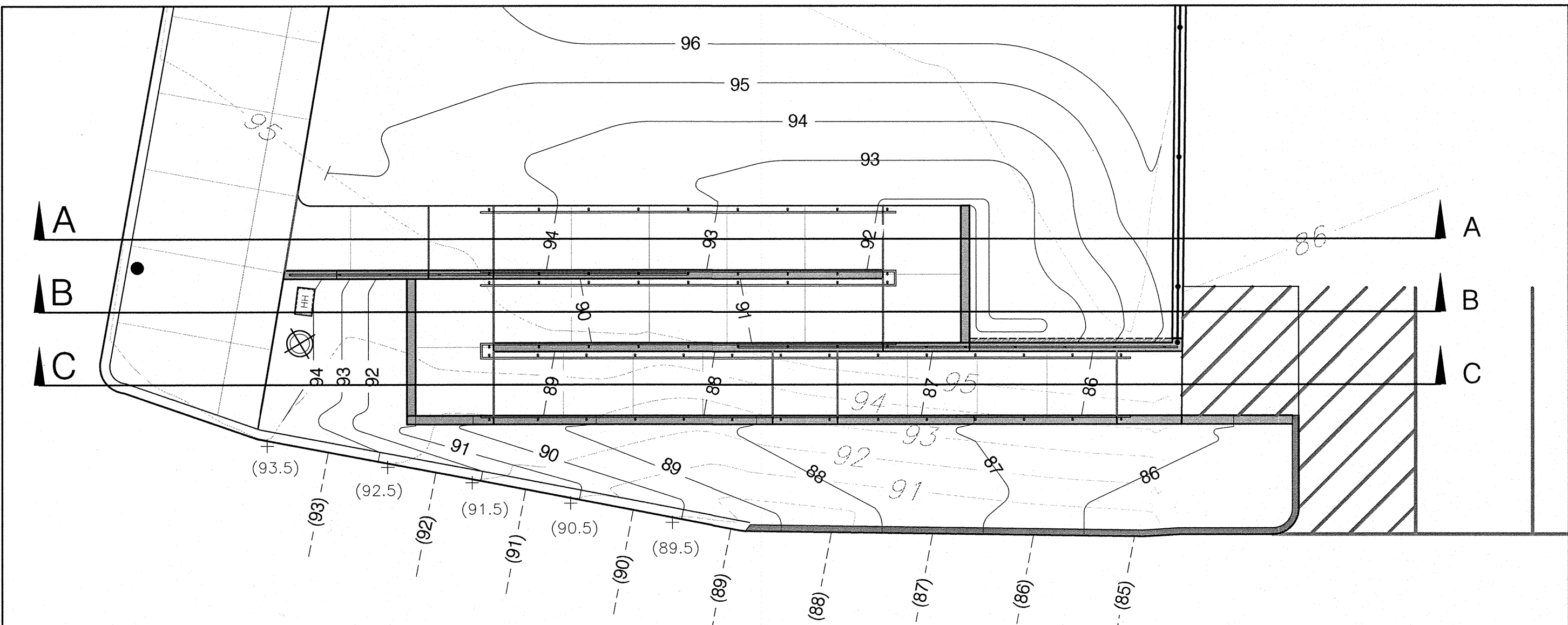
- NOTES:
1. SHOP DRAWINGS REQUIRED.
 2. All posts to be plumb. Rails to parallel surface.
 3. Weld and grind smooth all edges.
 4. All rails, posts, and pickets to be galvanized and unpainted.

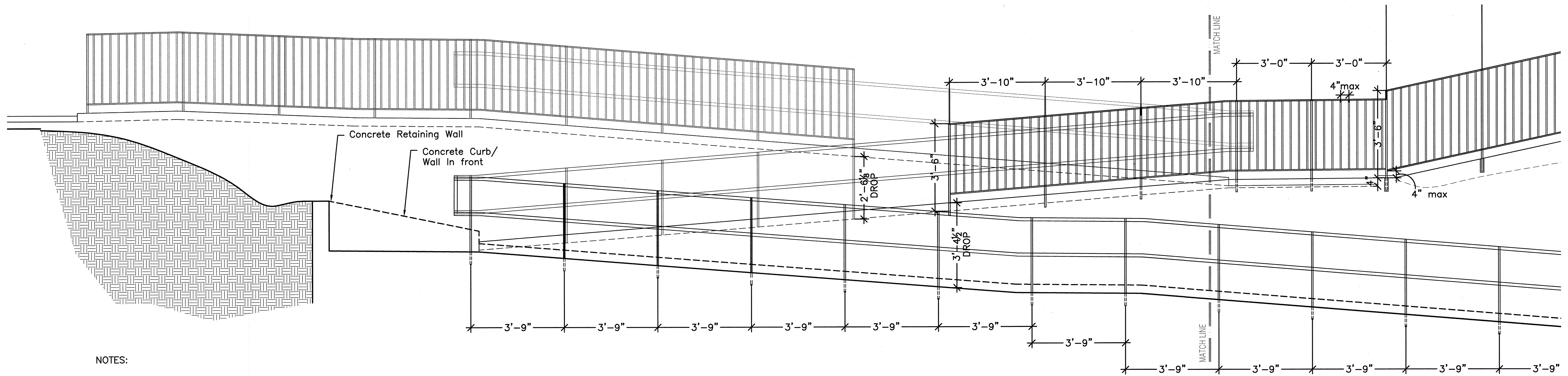
1 METAL HANDRAIL AND GUARDRAILS – SECTION A
 Scale: 1/2" = 1'-0"



- NOTES:
1. SHOP DRAWINGS REQUIRED.
 2. All posts to be plumb. Rails to parallel surface.
 3. Weld and grind smooth all edges.
 4. All rails, posts, and pickets to be galvanized and unpainted.

2 METAL HANDRAIL AND GUARDRAILS – SECTION B
 Scale: 1/2" = 1'-0"



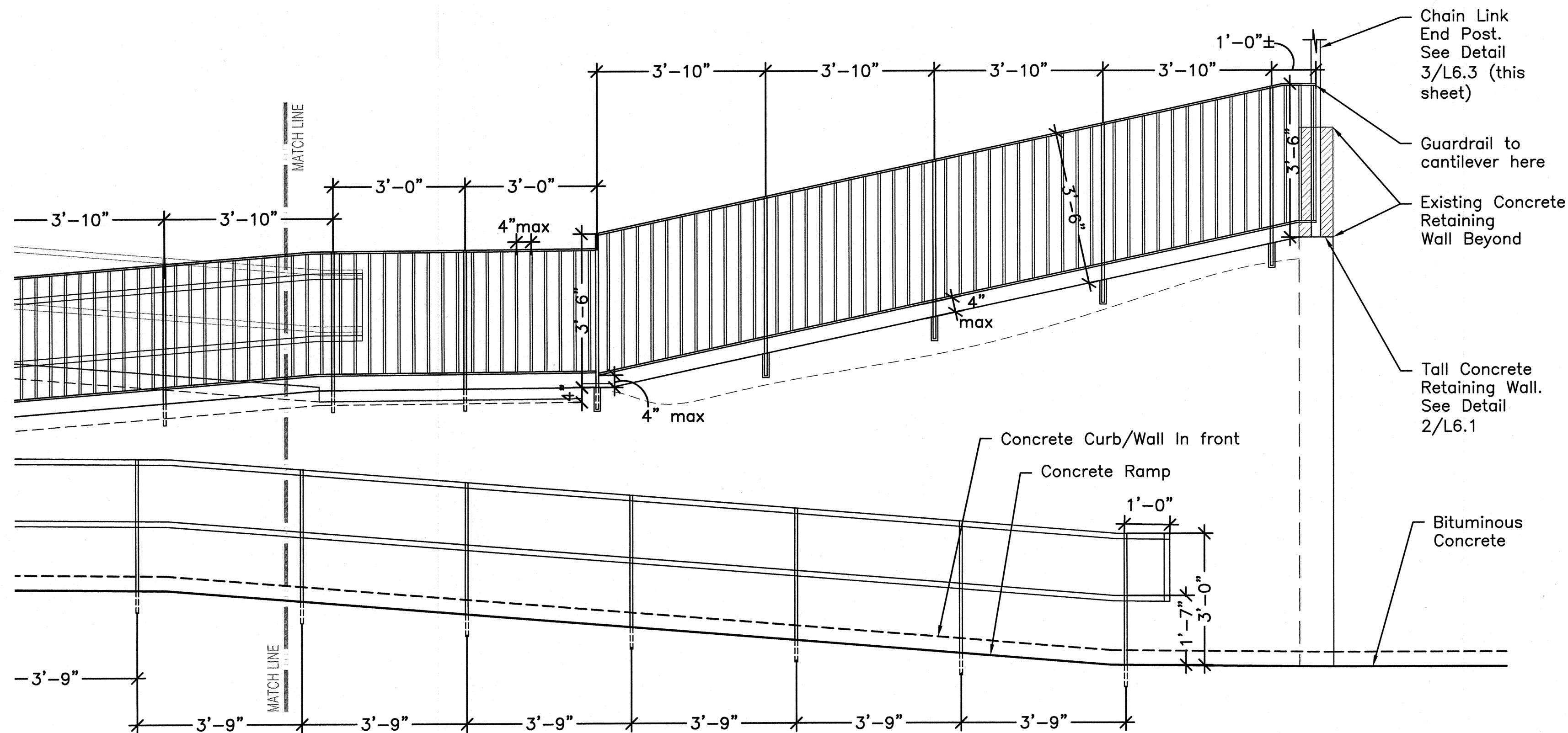


NOTES:

1. SHOP DRAWINGS REQUIRED.
2. SEE SHEET L6.4 FOR MORE DETAILS ON HANDRAILS AND GUARDRAILS.
3. FOR CONCRETE RAMP, CURB, AND RETAINING WALL DETAILS, SEE DETAIL 1/L6.1.
4. All posts to be plumb. Rails to parallel surface.
5. Weld and grind smooth all edges.
6. All rails, posts, and pickets to be galvanized and unpainted.

1 METAL HANDRAIL AND GUARDRAILS – SECTION C (PART 1)

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

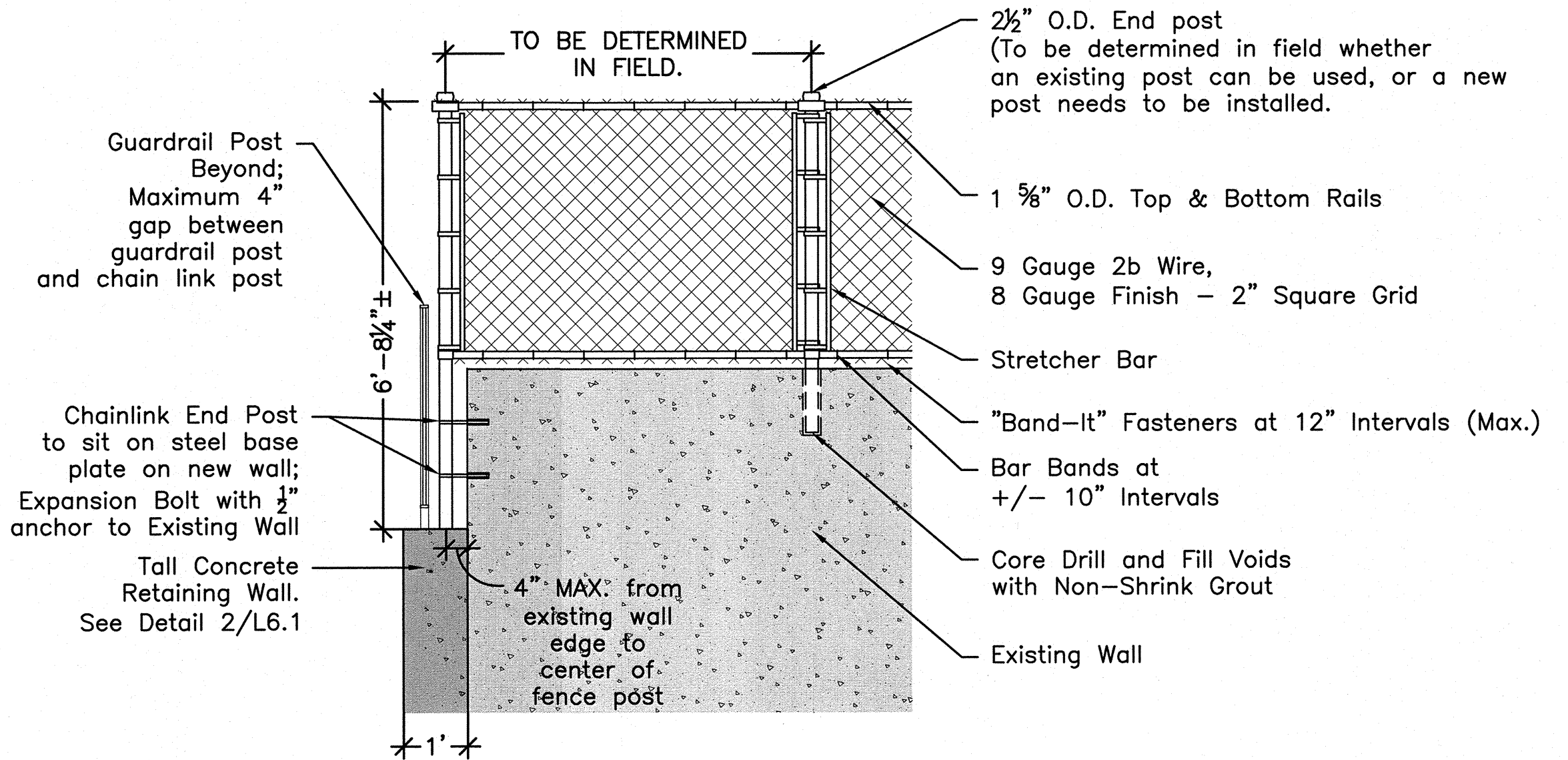


NOTES:

1. SHOP DRAWINGS REQUIRED.
2. SEE SHEET L6.4 FOR MORE DETAILS ON HANDRAILS AND GUARDRAILS.
3. FOR CONCRETE RAMP, CURB, AND RETAINING WALL DETAILS, SEE SHEET L6.1.
4. All posts to be plumb. Rails to parallel surface.
5. Weld and grind smooth all edges.
6. All rails, posts, and pickets to be galvanized and unpainted.

2 METAL HANDRAIL AND GUARDRAILS – SECTION C (PART 2)

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

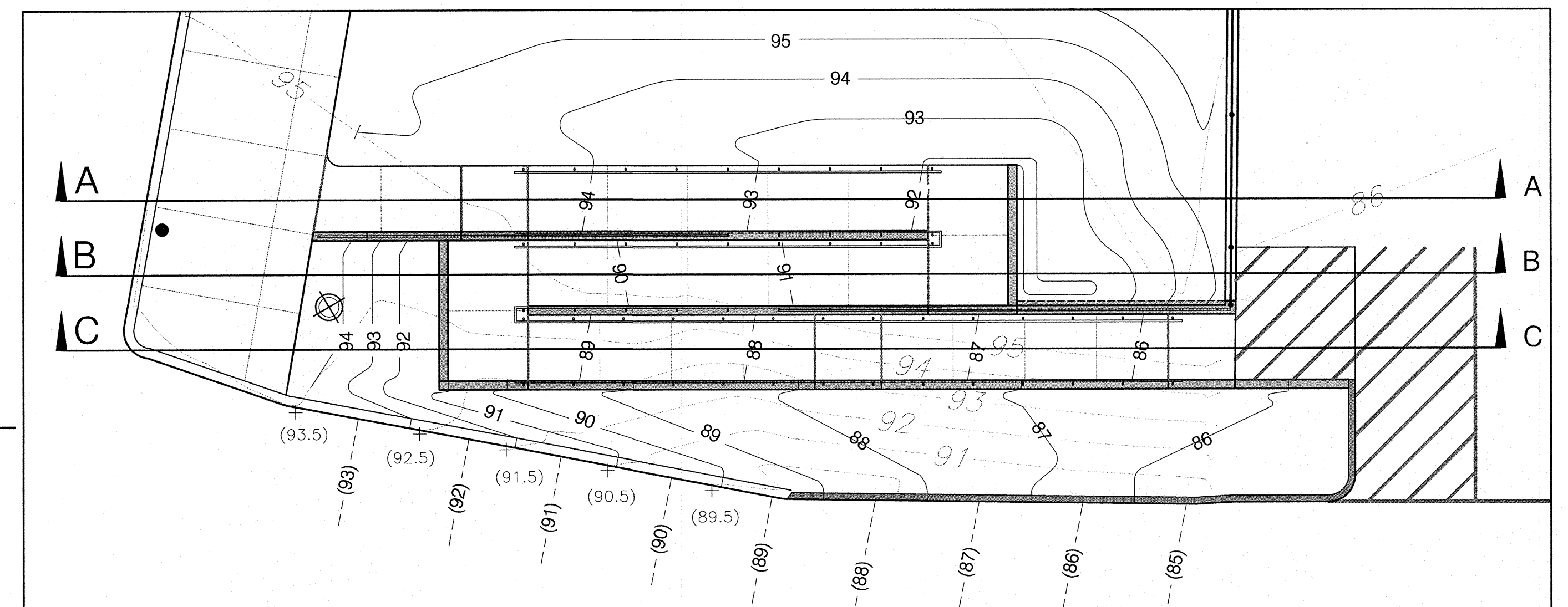


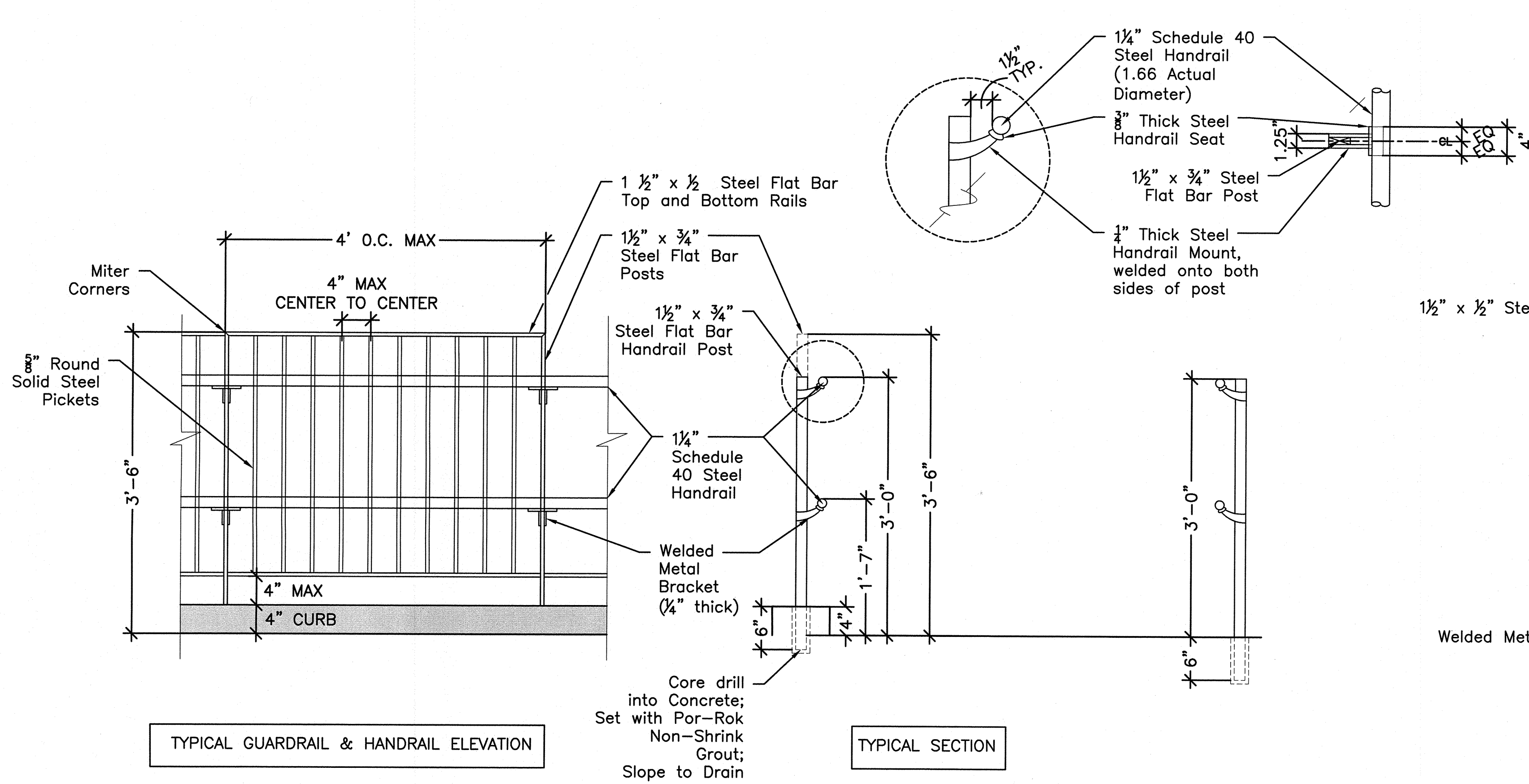
NOTES:

1. SHOP DRAWINGS REQUIRED. Detail of fence on steel base plate needed.
2. Chain Link Fence extension to match existing chain link fence.

3 4' HIGH CHAIN LINK FENCE EXTENSION AND ENDPOST

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



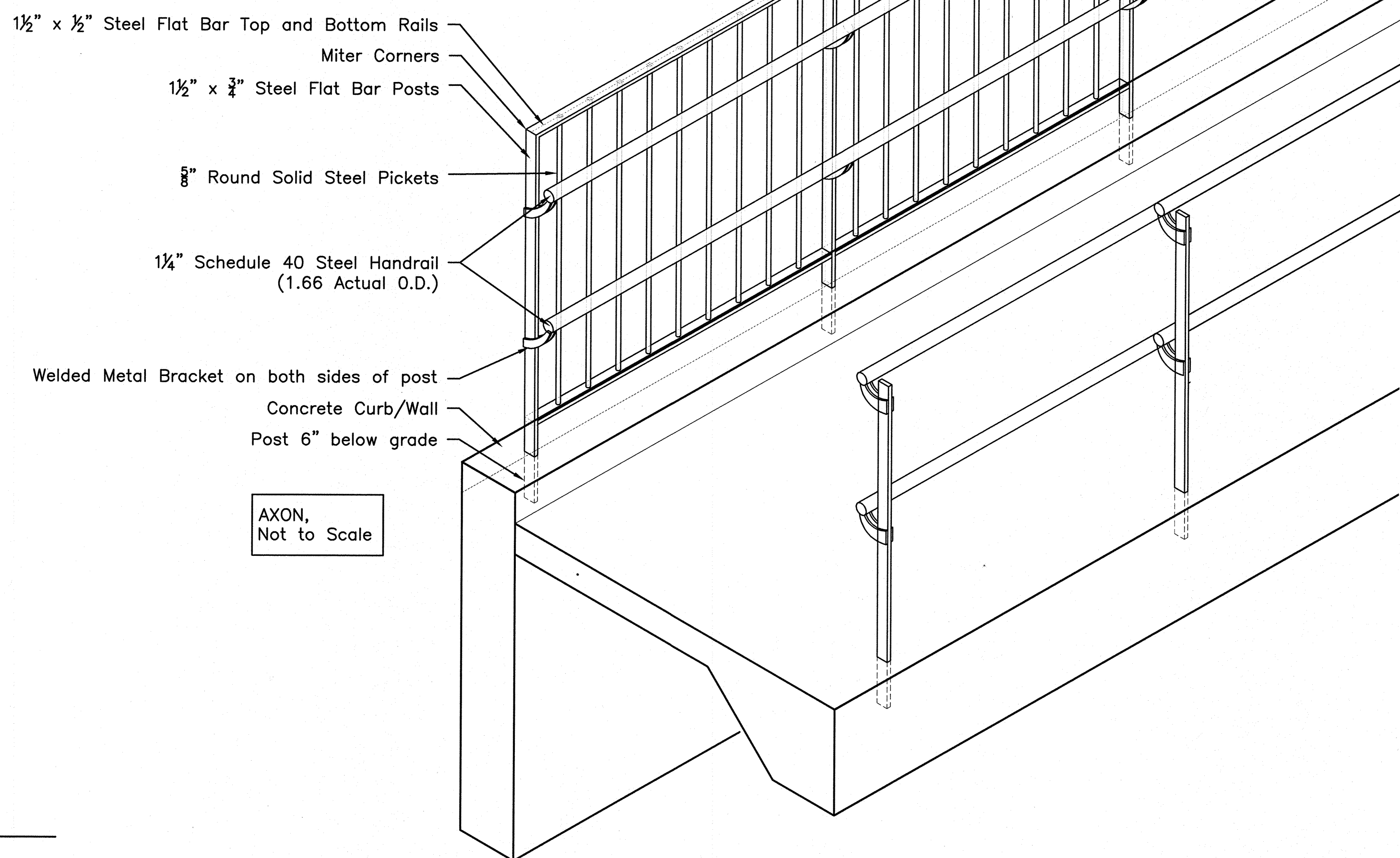


NOTES:

1. SHOP DRAWINGS REQUIRED.
2. All posts to be plumb. Rails to parallel surface.
3. Weld and grind smooth all edges.
4. All rails, posts, and pickets to be galvanized and unpainted.
5. See Detail 1/L6.1 for concrete ramp and wall details.

1 METAL HANDRAIL AND GUARDRAILS — ELEVATION, SECTION, AND AXON, TYP.

Scale: 1" = 1'-0"



MAYNARD VETERANS' MEMORIAL

Maynard, MA

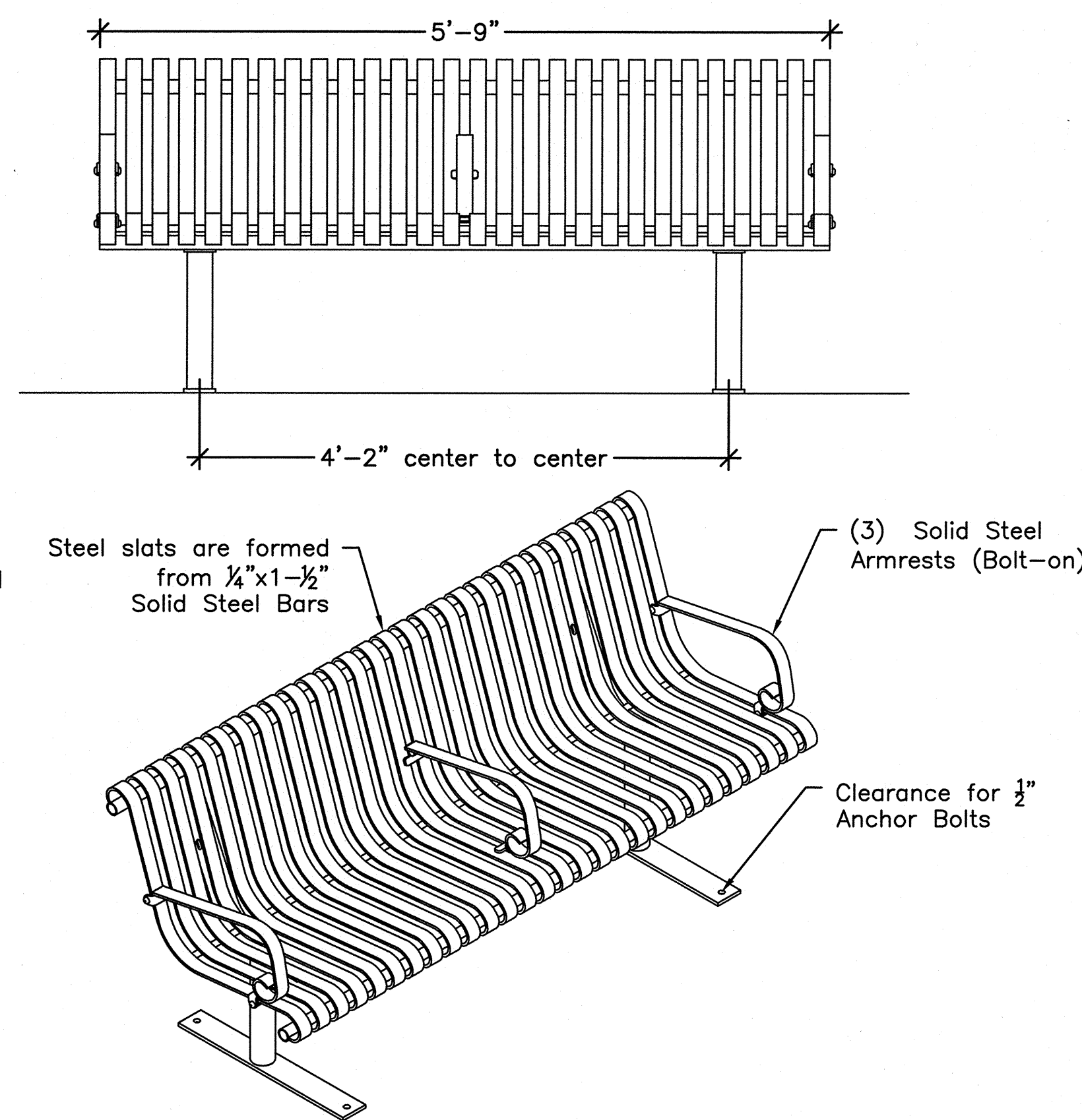
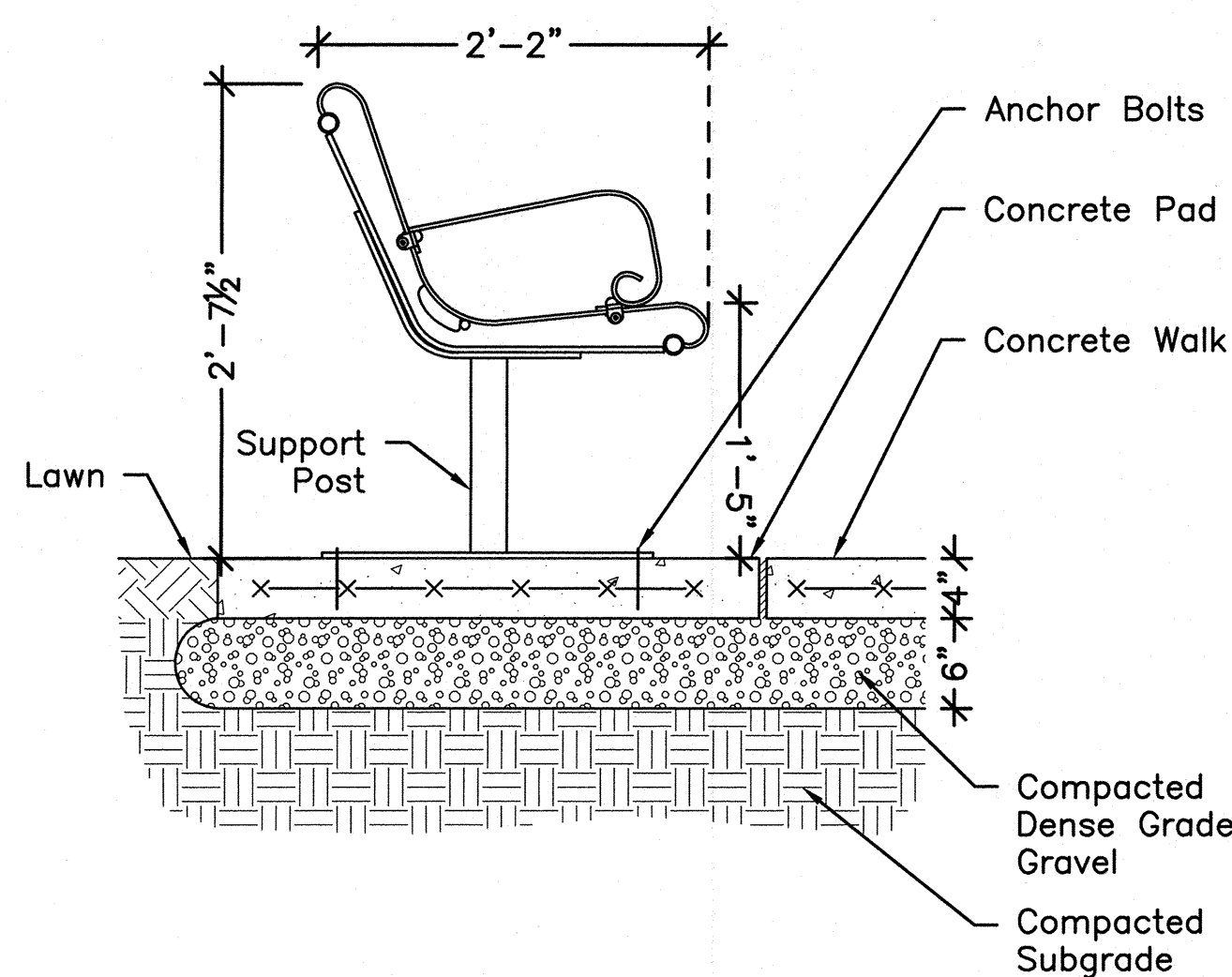
DETAILS - HANDRAILS, GUARDRAILS (TYPICAL)

CBA | Landscape Architects LLC

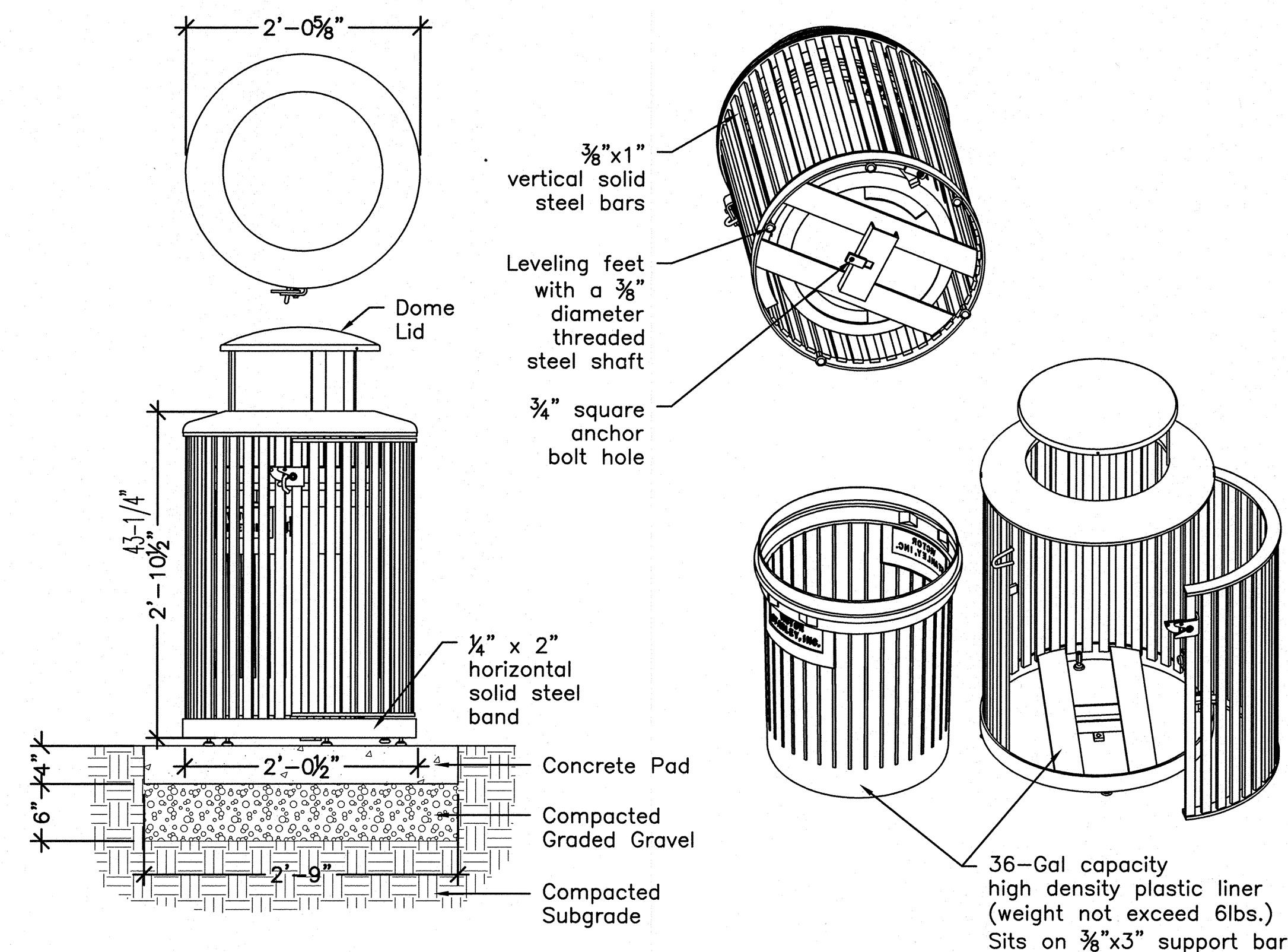
24 THORNDIKE STREET | CAMBRIDGE, MA 02141
Phone 617.945.9760 | www.cbaland.com | cba@cbaland.com
landscape architecture
urban design
master planning

DATE: 01-25-2017
SCALE: AS NOTED
FILE: May L6 Details Ramp.dwg
DWN BY: JHC
CKD BY: CCB
PROJ. #: 1506

L6.4



- NOTES:**
1. SHOP DRAWINGS REQUIRED.
 2. Bench to be by Victor Stanley, Inc., Dunkirk, MD, "Steelsite Series™ NRB-6," with 3 armrests, or approved equal. Contact at 301-855-8300 or www.victorstanley.com.
 3. Bench to be surface mounted. Follow all Manufacturer's instructions. Anchor Bolts not provided by Manufacturer.
 4. All steel members to be Polyester Powder coated. Color to be selected by Landscape Architect.
 5. All welds to be continuous and then ground smooth.
 6. This product is shipped partially unassembled.



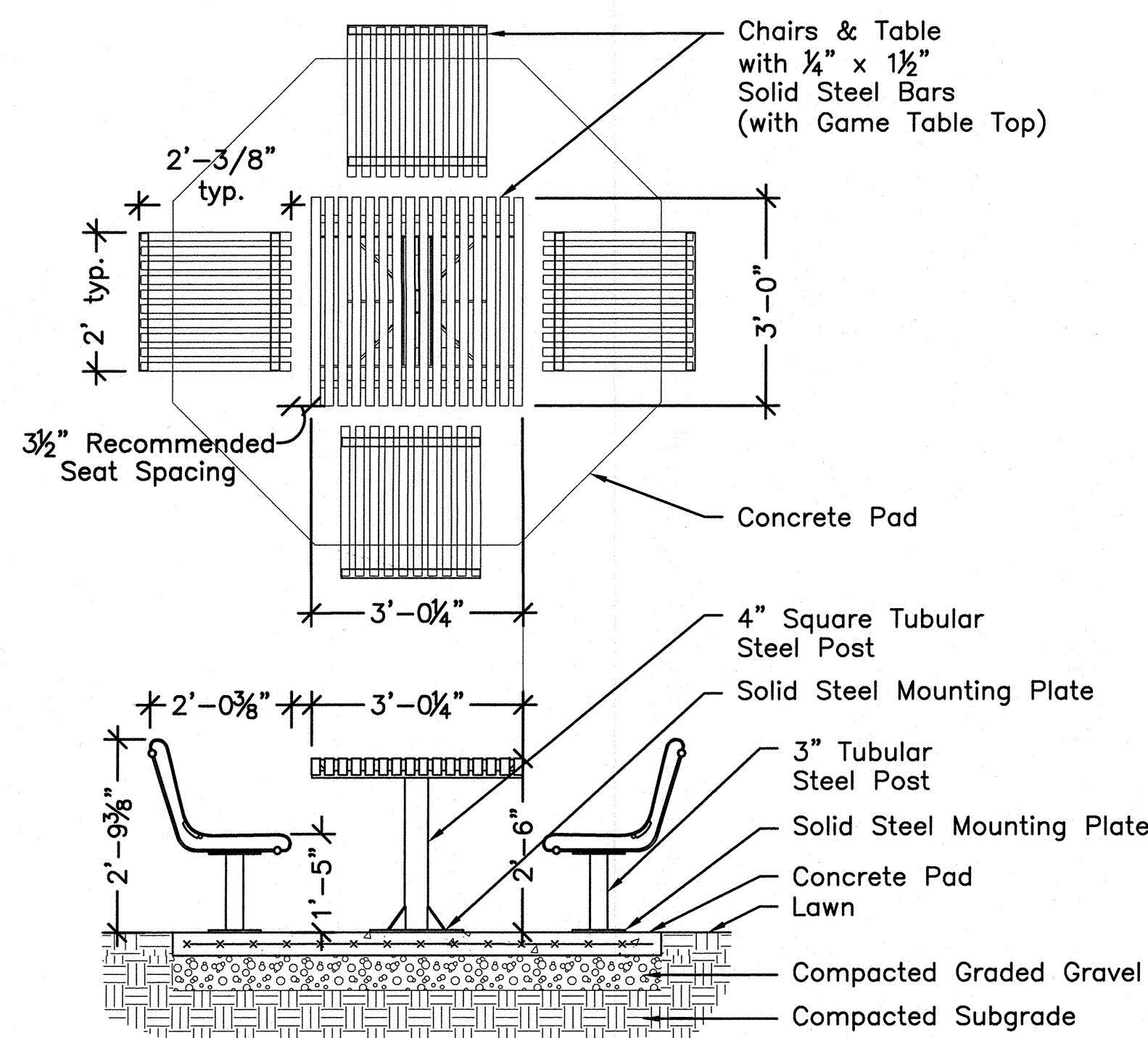
- NOTES:**
1. Trash receptacle to be NSDC-36 Steelsites™ Series with Optional Formed Dome Lid and Standard Lockable Latch by Victor Stanley (301-855-8300 or www.victorstanley.com), or approved equal.
 2. Powdercoat color to be selected by Landscape Architect.
 3. This product is shipped fully assembled.
 4. Anchor bolts not provided by Manufacturer.
 5. Follow manufacturer's instructions for surface mount installation.

1 6' METAL BENCH (ADD ALTERNATE #3)

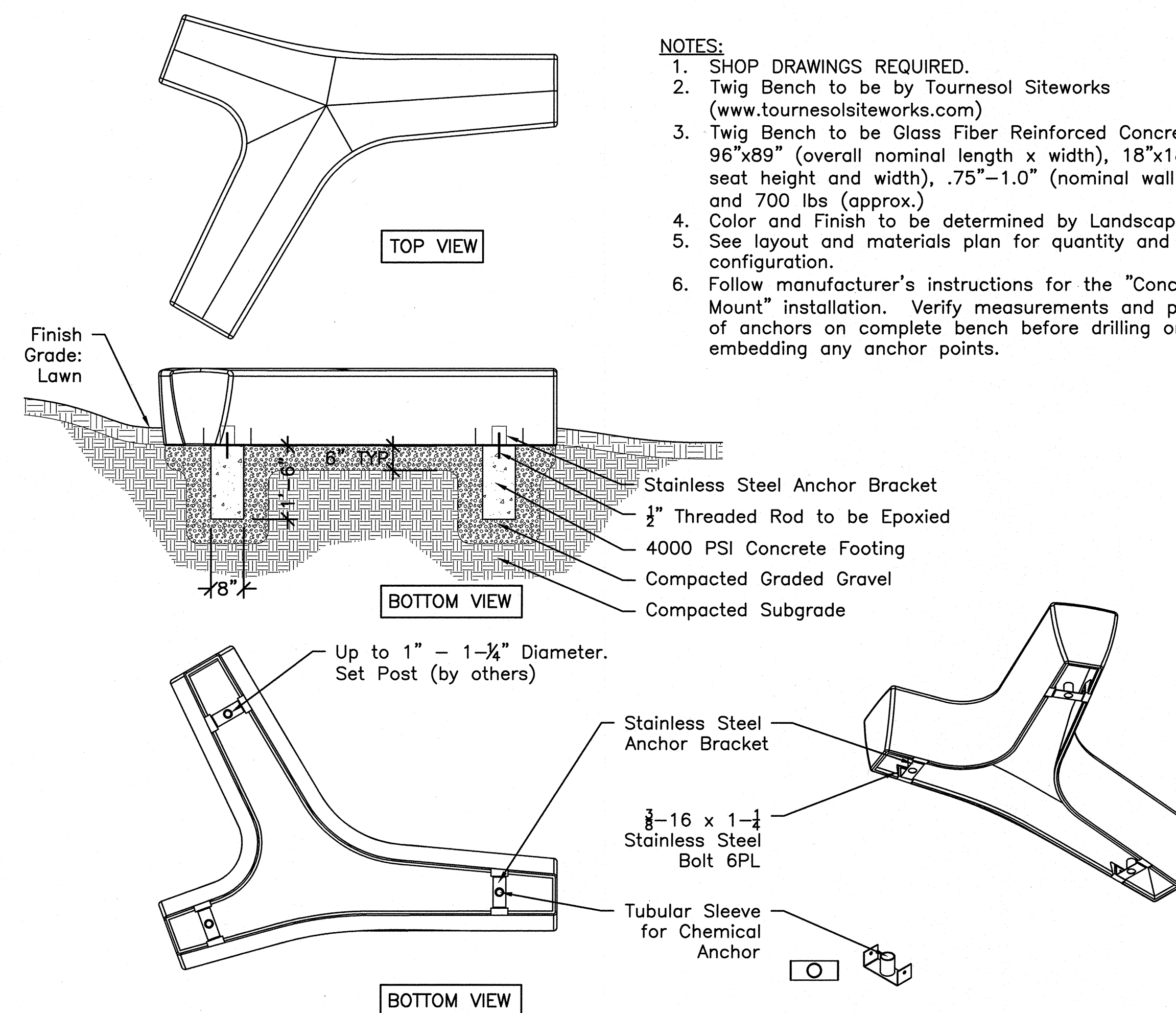
Scale: 1" = 1'-0"

3 TRASH RECEPTACLE (ADD ALTERNATE #3)

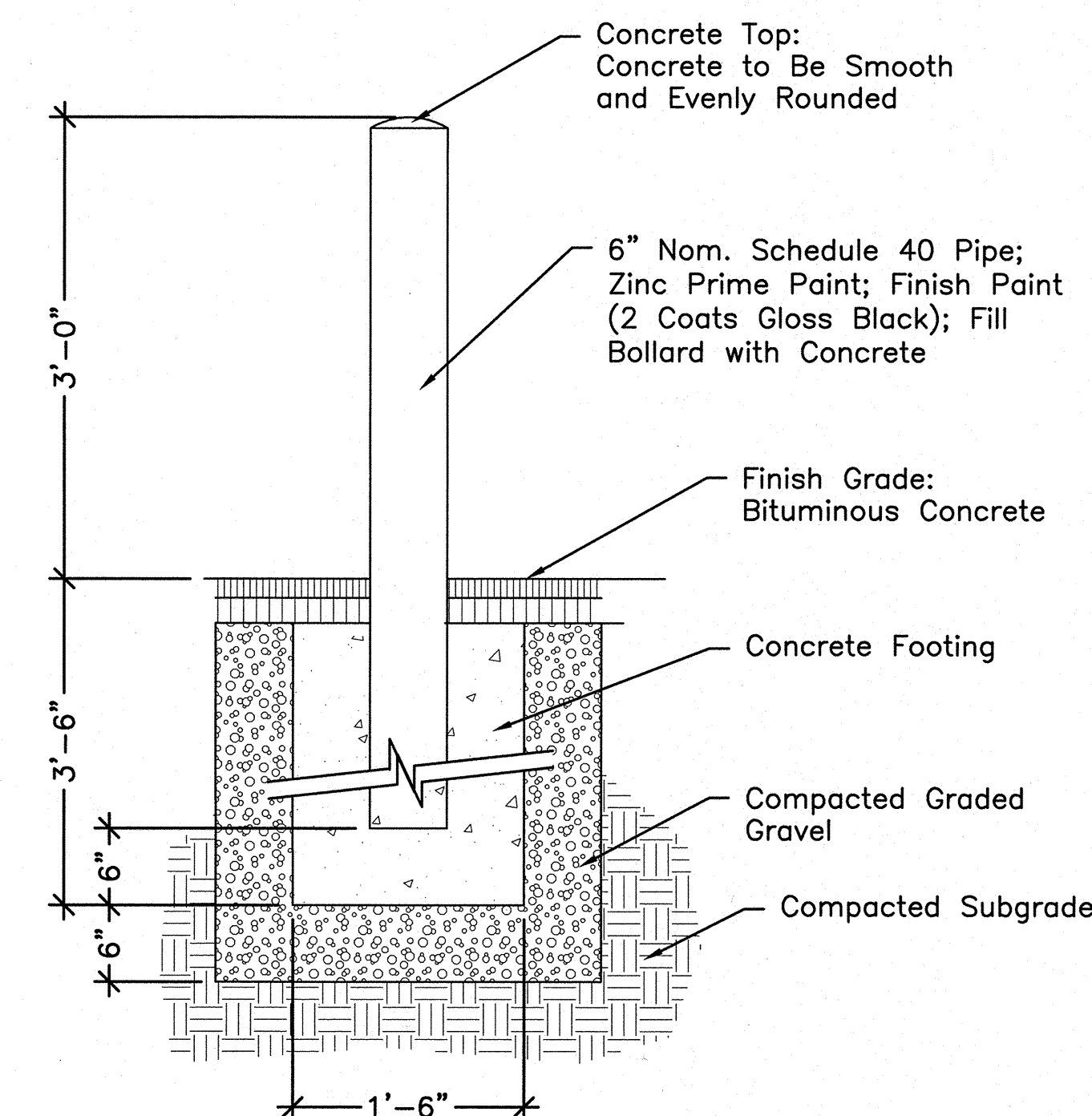
Scale: 1" = 1'-0"



- NOTES:**
1. SHOP DRAWINGS REQUIRED.
 2. Table to be IPR-36 Steelsites™ Series (all steel independent post table, 3-foot square, surface-mounted) with game board top, by Victor Stanley, Inc. (301.855.8300 or www.victorstanley.com), or approved equal.
 3. Chairs to be NRS-24 Steelsites™ Series (individual seats), or approved equal.
 4. Table and Chairs to be surface-mounted onto concrete pad. Follow all manufacturer's instructions. Anchor bolts not provided by Manufacturer.
 5. See layout and materials plans for number of chairs and configuration.
 2. Table and Chairs to have a powder coat finish. Color to be selected by Landscape Architect.



- NOTES:**
1. SHOP DRAWINGS REQUIRED.
 2. Twig Bench to be by Tournesol Siteworks (www.tournesolsiteworks.com)
 3. Twig Bench to be Glass Fiber Reinforced Concrete (GFRC), 96"x89" (overall nominal length x width), 18"x18" (nominal seat height and width), .75"-1.0" (nominal wall thickness), and 700 lbs (approx.)
 4. Color and Finish to be determined by Landscape Architect.
 5. See layout and materials plan for quantity and configuration.
 6. Follow manufacturer's instructions for the "Concealed Mount" installation. Verify measurements and placement of anchors on complete bench before drilling or embedding any anchor points.



- NOTES:**
1. Bollard cap to be Concrete Top.
 2. Bollard to be concrete filled schedule 40 pipe.
 3. Once bollard is set, paint concrete top and bollard black with (2) coats of paint.

2 PICNIC/GAME TABLE (ADD ALTERNATE #3)

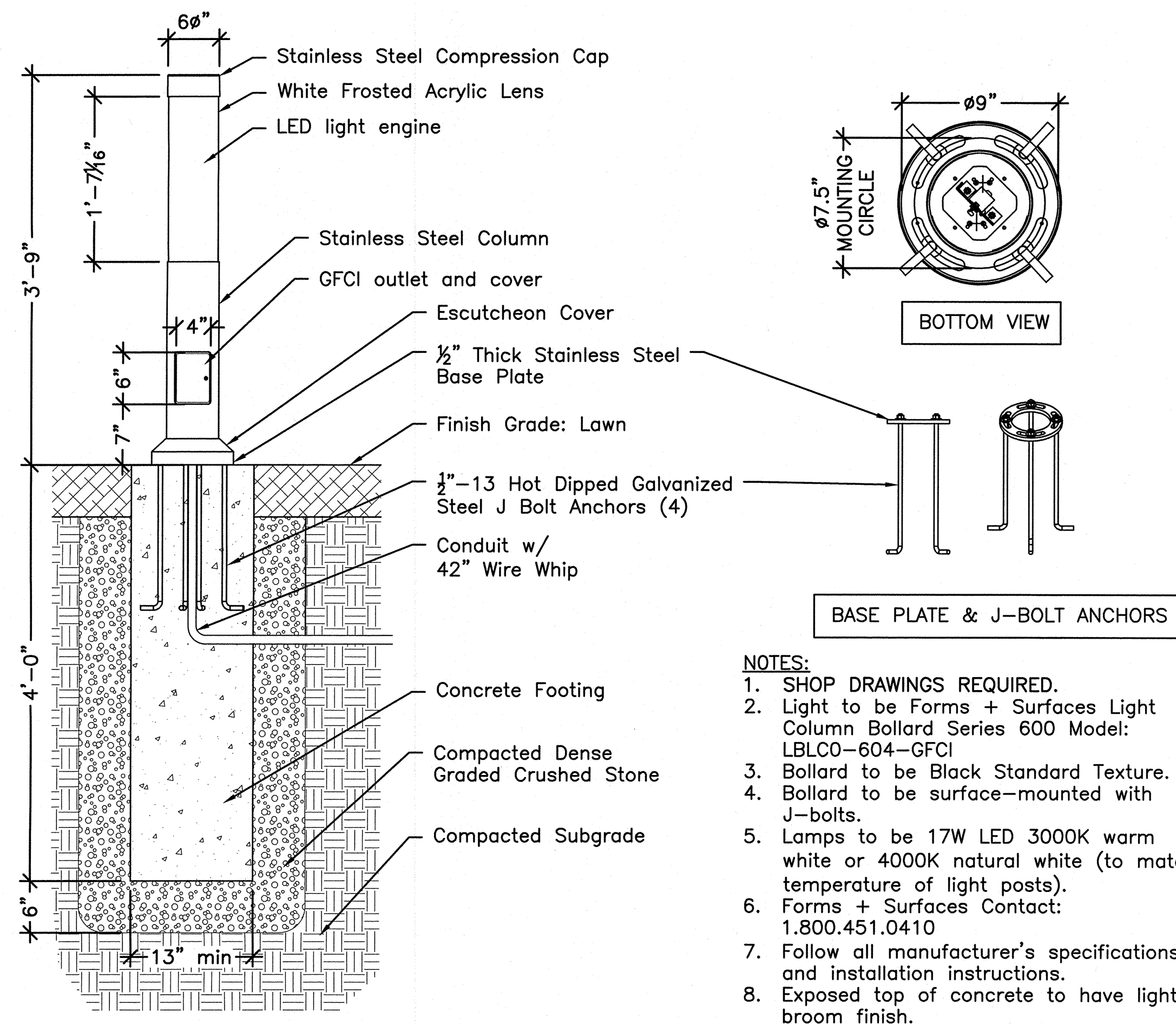
Scale: 1/2" = 1'-0"

4 "TWIG" BENCH WITH CONCEALED ANCHOR (ADD ALTERNATE #4)

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

5 STEEL PIPE BOLLARD

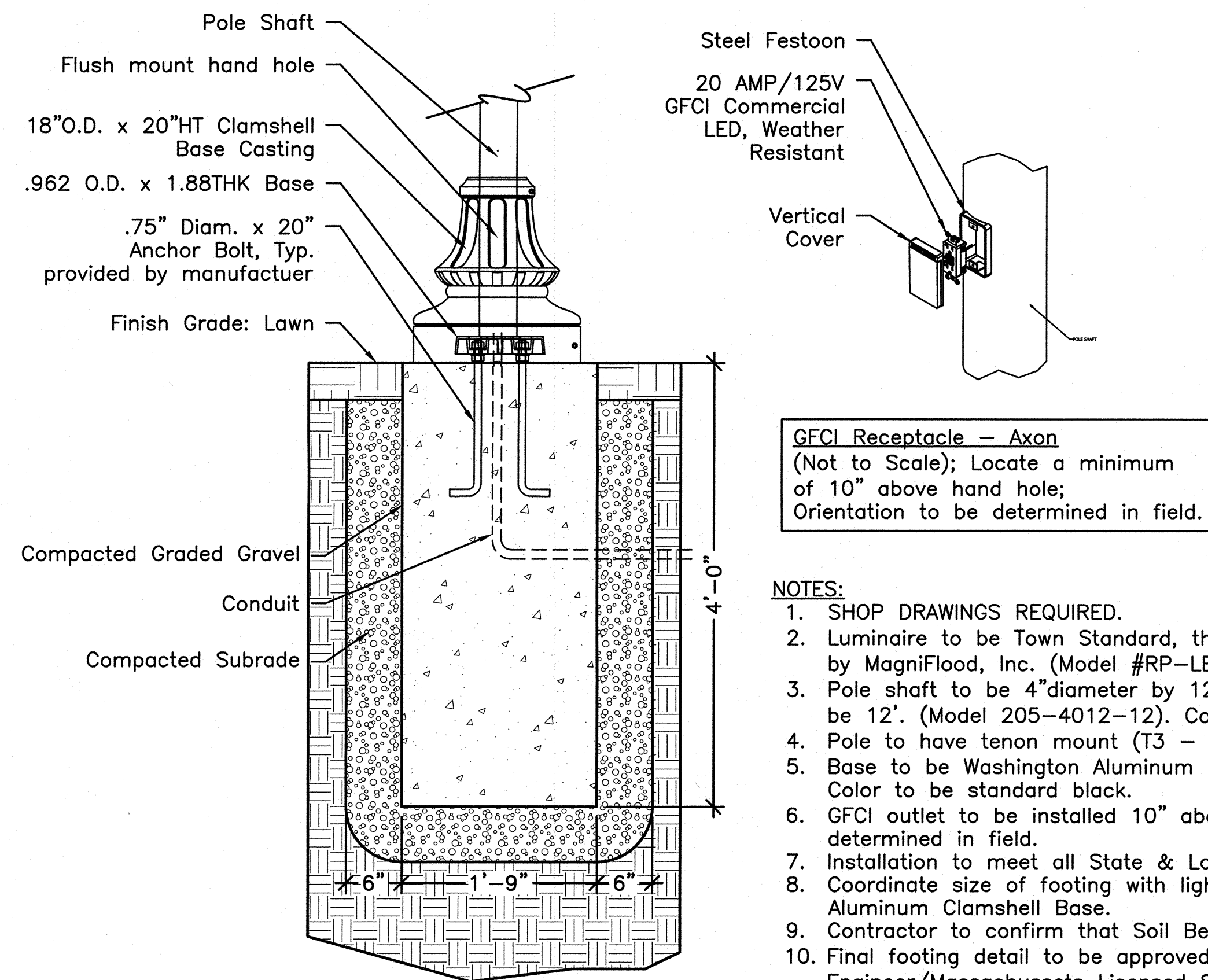
Scale: 1" = 1'-0"



- NOTES:
1. SHOP DRAWINGS REQUIRED.
 2. Light to be Forms + Surfaces Light Column Bollard Series 600 Model: LBLCO-604-GFCI
 3. Bollard to be Black Standard Texture.
 4. Bollard to be surface-mounted with J-bolts.
 5. Lamps to be 17W LED 3000K warm white or 4000K natural white (to match temperature of light posts).
 6. Forms + Surfaces Contact: 1.800.451.0410
 7. Follow all manufacturer's specifications and installation instructions.
 8. Exposed top of concrete to have light broom finish.

1 LIGHT BOLLARD WITH GFCI OUTLET (ADD ALTERNATE #1)

Scale: 1" = 1'-0"

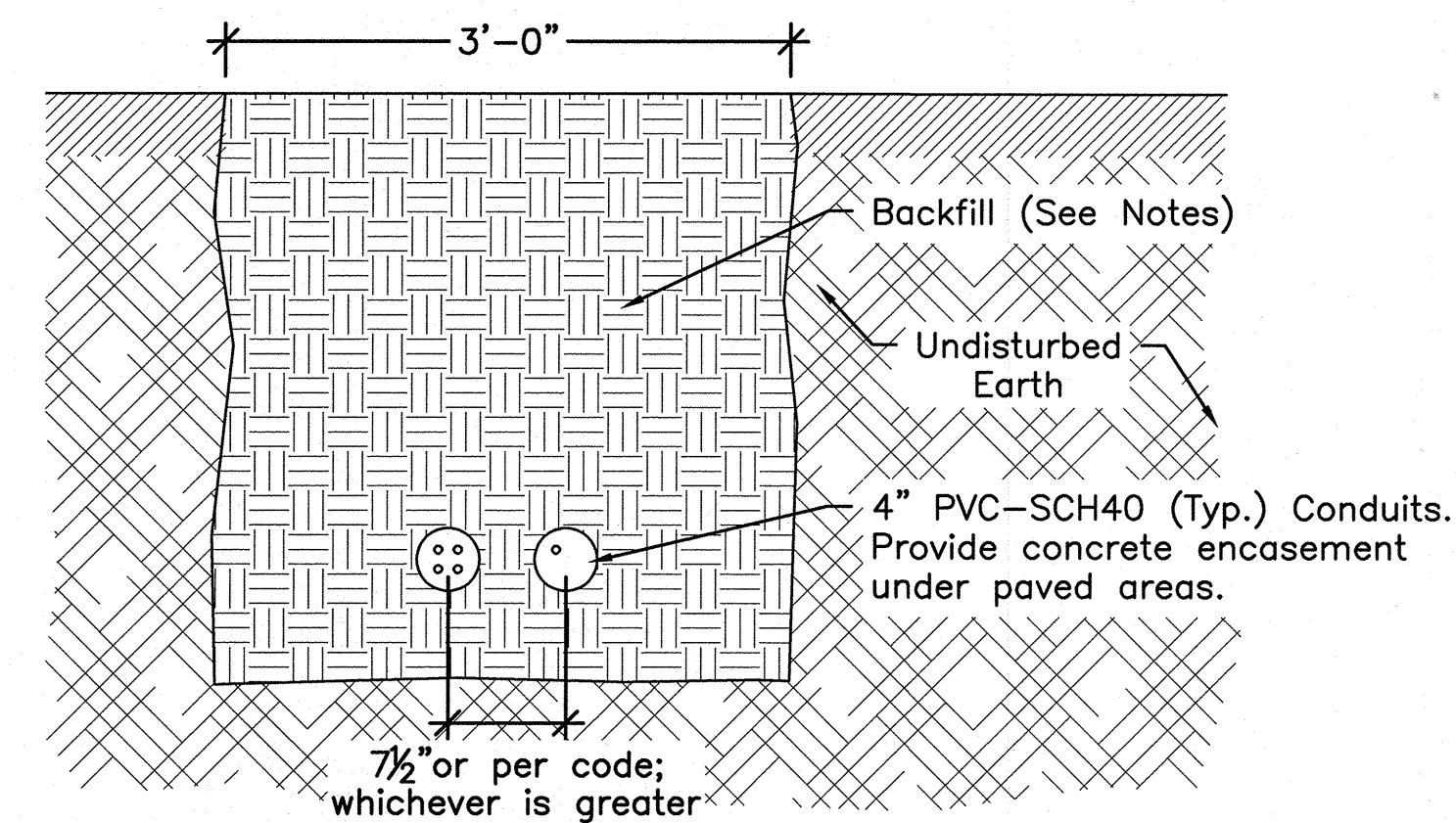


- NOTES:
1. SHOP DRAWINGS REQUIRED.
 2. Luminaire to be Town Standard, the "Riverside park LED"-LED Configurations by MagniFlood, Inc. (Model #RP-LED49-T5-B2-BLACK.)
 3. Pole shaft to be 4" diameter by 12' height steel pole. Mounting height to be 12'. (Model 205-4012-12). Color to be standard black.
 4. Pole to have tenon mount (T3 - Ø3.00 OD X 5.00 LG).
 5. Base to be Washington Aluminum Clamshell Base Casting (Model B1-CS). Color to be standard black.
 6. GFCI outlet to be installed 10" above handhole. Orientation to be determined in field.
 7. Installation to meet all State & Local codes and requirements.
 8. Coordinate size of footing with light pole mounting plate and Washington Aluminum Clamshell Base.
 9. Contractor to confirm that Soil Bearing Capacity is 4000 PSF min.
 10. Final footing detail to be approved by Town of Maynard/Town Engineer/Massachusetts Licensed Structural Engineer.

2 LIGHT POST FOOTING WITH GFCI OUTLET (ADD ALTERNATE #1)

Scale: 1" = 1'-0"

Maynard Veterans' Memorial 2016



- NOTES:
1. Backfill containing large rock, paving materials, cinders, large or sharply corrosive material shall not be placed in an excavation where materials may damage raceways, cables, or other substructures or prevent adequate compaction of fill or contribute to corrosion of raceways, cables, or other substructures. Where necessary to prevent physical damage to the raceway or cable, protection shall be provided in the form of granular or selected material, suitable running boards, suitable running boards, suitable sleeves, or other approved means.
 2. Bury ductbank to depth required by local, state, and federal code.

3 UNDERGROUND DUCTBANK

NOT TO SCALE

