



PREPARED BY:



DESIGN STUDIO

**85 DEVONSHIRE STREET, 3RD FLOOR
BOSTON, MA 02109
BRANDON KUNKEL
(617) 412-4480**

TOWN OF WAYLAND

IMPROVEMENTS TO LOKER CONSERVATION AND RECREATION AREA

TOWN OF WAYLAND, MASSACHUSETTS

**TOWN BUILDING
41 COCHITUATE RD
WAYLAND, MA 01778
BEN KEEFE
PUBLIC BUILDING DIRECTOR
(508) 358-3786**

Locus Map



**LOKER CONSERVATION
AND RECREATION AREA**



LOKER CONSERVATION AND RECREATION AREA



**LOKER CONSERVATION AND RECREATION AREA
410 COMMONWEALTH RD, WAYLAND, MA 01778**

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ADD ALTERNATE NO. 1

UNDER ADD ALTERNATE NO. 1 THE CONTRACTOR SHALL INSTALL THE SPECIFIED SPORTS LIGHTING POLES, FIXTURES, WIRING AND RELATED APPURTENANCES NEEDED TO HAVE A COMPLETE AND FULLY OPERATIONAL SYSTEM. WORK UNDER THE BASE BID SHALL INCLUDE THE INSTALLATION OF AN "EMPTY" SPORTS LIGHTING SYSTEM TO INCLUDE LIGHT POLE FOOTINGS/FOUNDATIONS, UNDERGROUND CONDUITS, HAND HOLES, PULL STRING AND ALL OTHER ELECTRICAL AND LIGHTING SYSTEM COMPONENTS THROUGHOUT THE PROJECT SITE AS INDICATED ON THE PLANS AND AS SPECIFIED.

ADD ALTERNATE NO. 2

UNDER ADD ALTERNATE NO. 2, THE CONTRACTOR SHALL CONSTRUCT THE DESIGNATED CAST IN PLACE CONCRETE STAIR AND HANDRAILS AS INDICATED ON THE PLANS AND AS SPECIFIED.

BIDDING DOCUMENTS IFB #19-1054

FEBRUARY 28, 2019

Prepared By

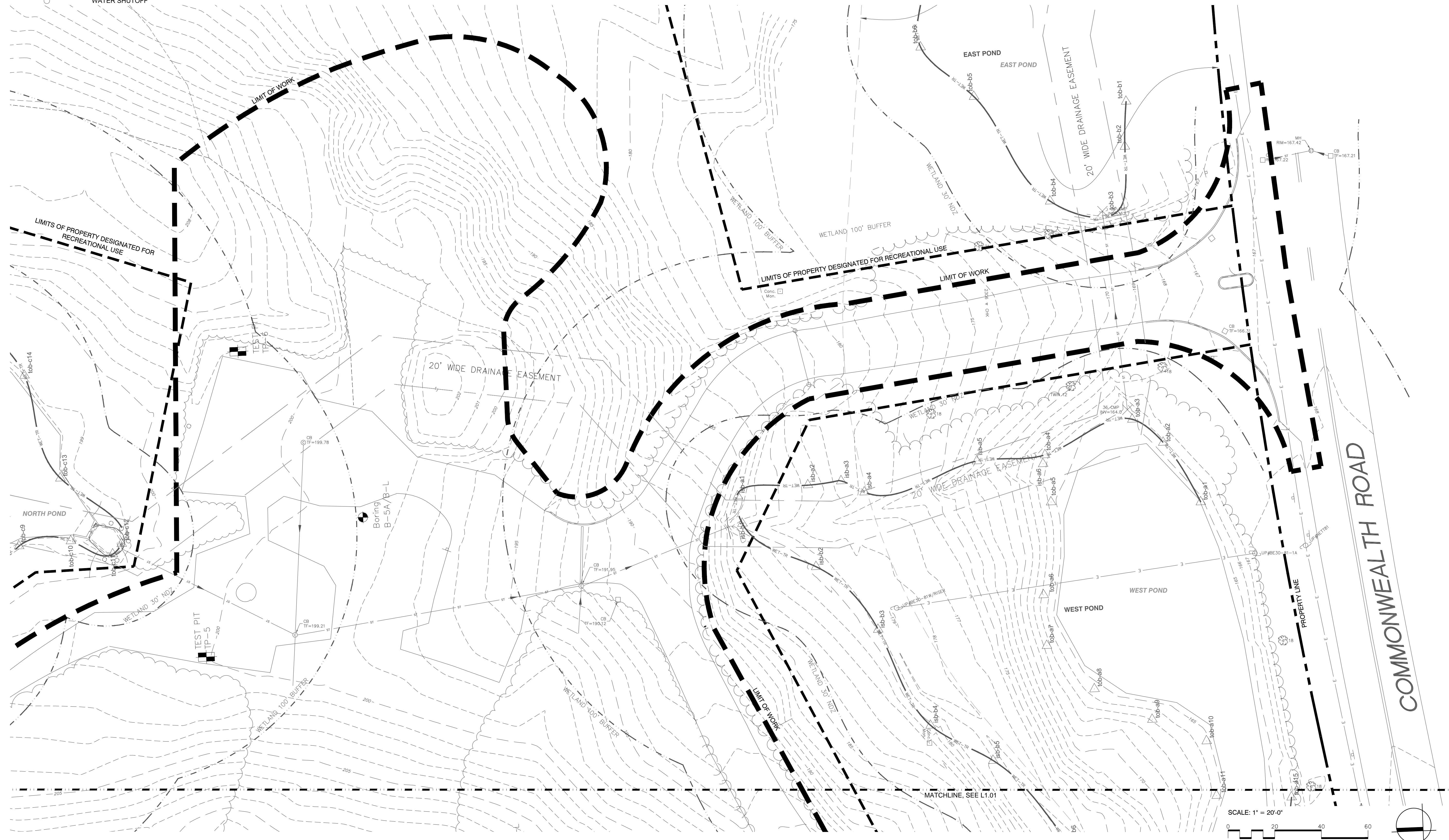


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LEGEND

- | | | | | | | | |
|--|--|--|---------------------|--|--------------------------|--|------------------------------|
| | LIMIT OF WORK | | GAS VALVE | | CABLE LINE | | UNKNOWN MANHOLE |
| | PROPERTY LINE | | WATER VALVE | | FIBER OPTIC LINE | | TELEPHONE MANHOLE (MHT) |
| | LIMITS OF PROPERTY DESIGNATED FOR RECREATIONAL USE | | MONUMENT | | LOW PRESSURE SEWER LINE | | MAJOR CONTOUR LINE |
| | EDGE OF WOODS | | IRON PIN / IRON ROD | | ELECTRIC LINE | | MINOR CONTOUR LINE |
| | DECIDUOUS TREE | | HANDICAP SPACE | | HEATING LINE | | WETLAND DELINEATION |
| | CONIFEROUS TREE | | EASEMENT | | TELEPHONE LINE | | WETLAND 30' NDZ, 100' BUFFER |
| | SHRUB/BUSH | | STORM SEWER LINE | | SANITARY MANHOLE (SMH) | | 20' WIDE DRAINAGE EASEMENT |
| | SIGN | | SANITARY SEWER LINE | | STORM MANHOLE (STMH) | | BORING LOCATION |
| | UTILITY POLE | | WATER LINE | | CATCHBASIN (CB) | | TEST PIT LOCATION |
| | LIGHT POLE | | GAS LINE | | METAL POST/BOLLARD (BOL) | | TOP OF BANK |
| | HYDRANT | | SIGNAL WIRE LINE | | ELECTRIC MANHOLE (MHE) | | INTERMITTENT STREAM BANK |
| | WATER SHUTOFF | | | | | | |



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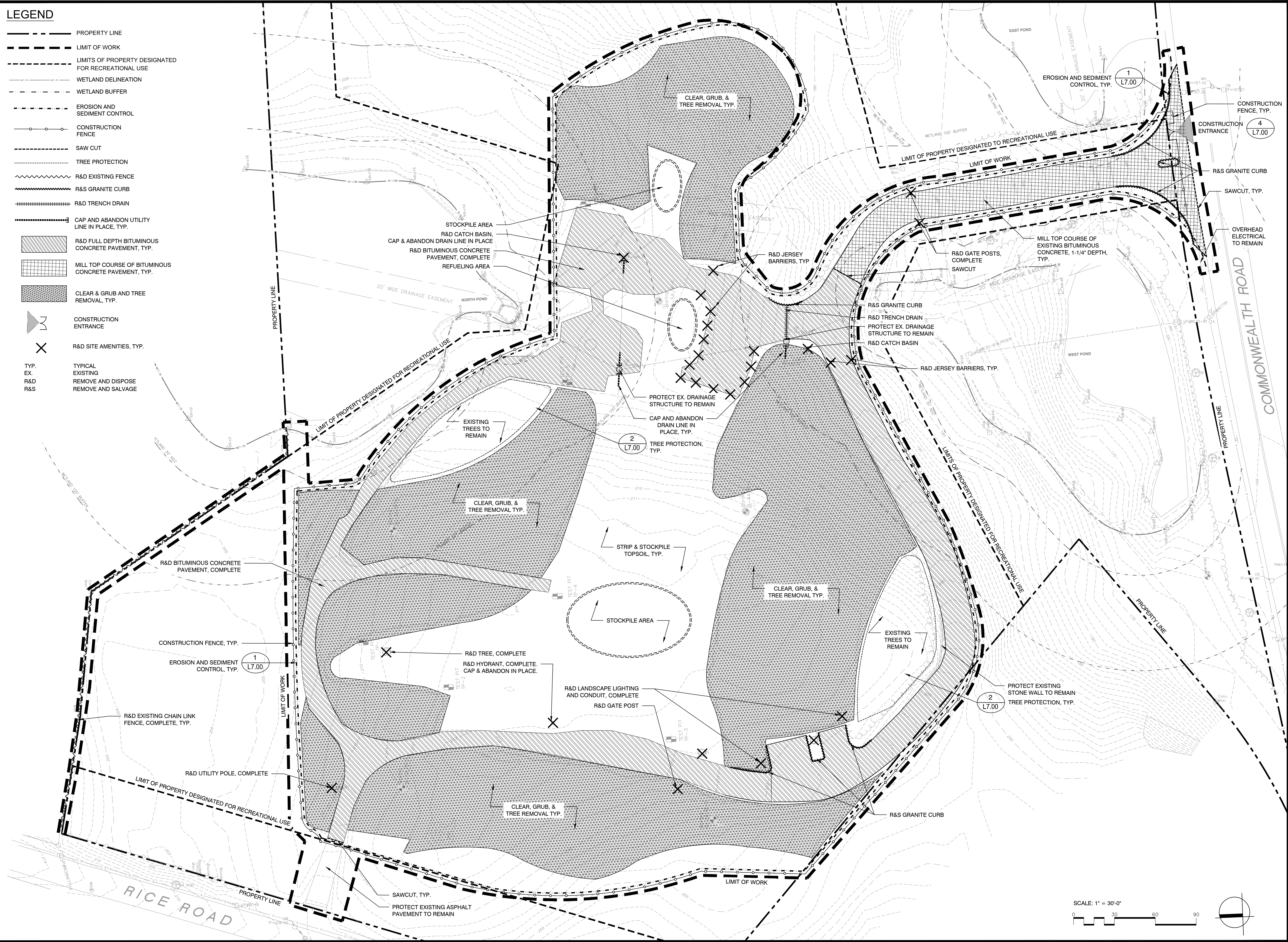
EXISTING CONDITIONS PLAN ENLARGEMENT

Sheet Number:


L1.02

LEGEND

- PROPERTY LINE
- - - LIMIT OF WORK
- - - LIMITS OF PROPERTY DESIGNATED FOR RECREATIONAL USE
- - - WETLAND DELINEATION
- - - WETLAND BUFFER
- - - EROSION AND SEDIMENT CONTROL
- ○ ○ CONSTRUCTION FENCE
- - - SAW CUT
- - - TREE PROTECTION
- ~ ~ ~ R&D EXISTING FENCE
- ~ ~ ~ R&S GRANITE CURB
- ||||| R&D TRENCH DRAIN
- - - CAP AND ABANDON UTILITY LINE IN PLACE, TYP.
- ▨ R&D FULL DEPTH BITUMINOUS CONCRETE PAVEMENT, TYP.
- ▩ MILL TOP COURSE OF BITUMINOUS CONCRETE PAVEMENT, TYP.
- ▧ CLEAR & GRUB AND TREE REMOVAL, TYP.
- ⚡ CONSTRUCTION ENTRANCE
- ✕ R&D SITE AMENITIES, TYP.
- TYP. TYPICAL
- EX. EXISTING
- R&D REMOVE AND DISPOSE
- R&S REMOVE AND SALVAGE



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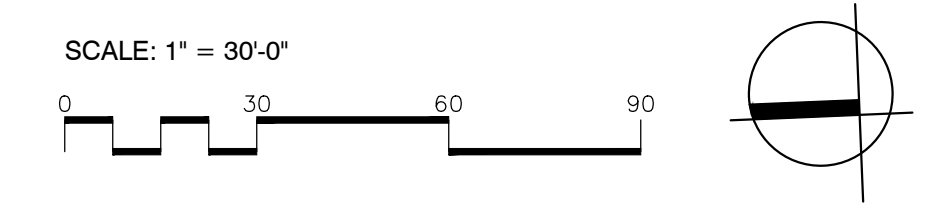
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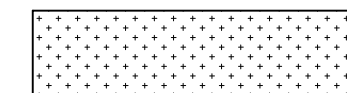
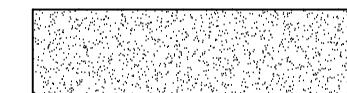
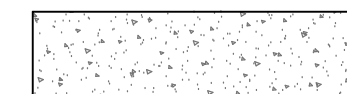

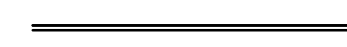
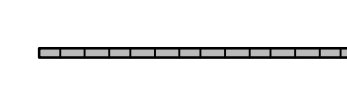
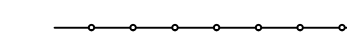




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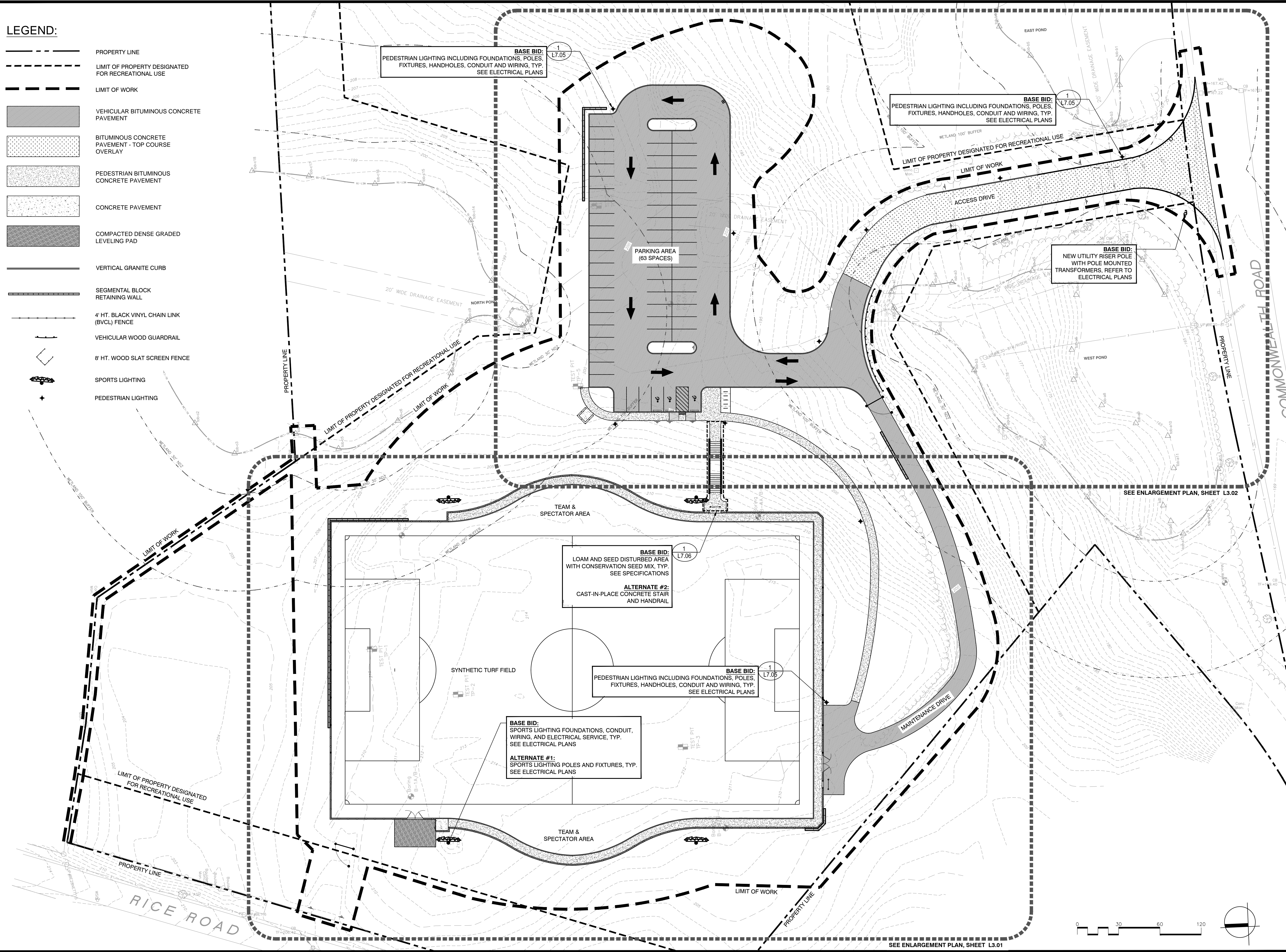
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OVERALL SITE PREPARATION AND DEMOLITION PLANS

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L2.00

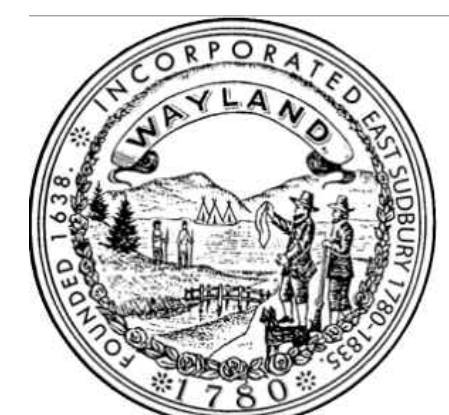


LEGEND:

-  PROPERTY LINE
-  LIMIT OF PROPERTY DESIGNATED FOR RECREATIONAL USE
-  LIMIT OF WORK
-  VEHICULAR BITUMINOUS CONCRETE PAVEMENT
-  BITUMINOUS CONCRETE PAVEMENT - TOP COURSE OVERLAY
-  PEDESTRIAN BITUMINOUS CONCRETE PAVEMENT
-  CONCRETE PAVEMENT
-  COMPACTED DENSE GRADED LEVELING PAD
-  VERTICAL GRANITE CURB
-  SEGMENTAL BLOCK RETAINING WALL
-  4' HT. BLACK VINYL CHAIN LINK (BVCL) FENCE
-  VEHICULAR WOOD GUARDRAIL
-  8' HT. WOOD SLAT SCREEN FENCE
-  SPORTS LIGHTING
-  PEDESTRIAN LIGHTING



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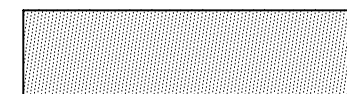
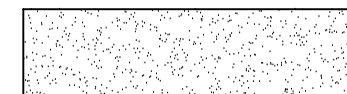

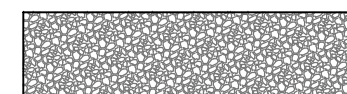






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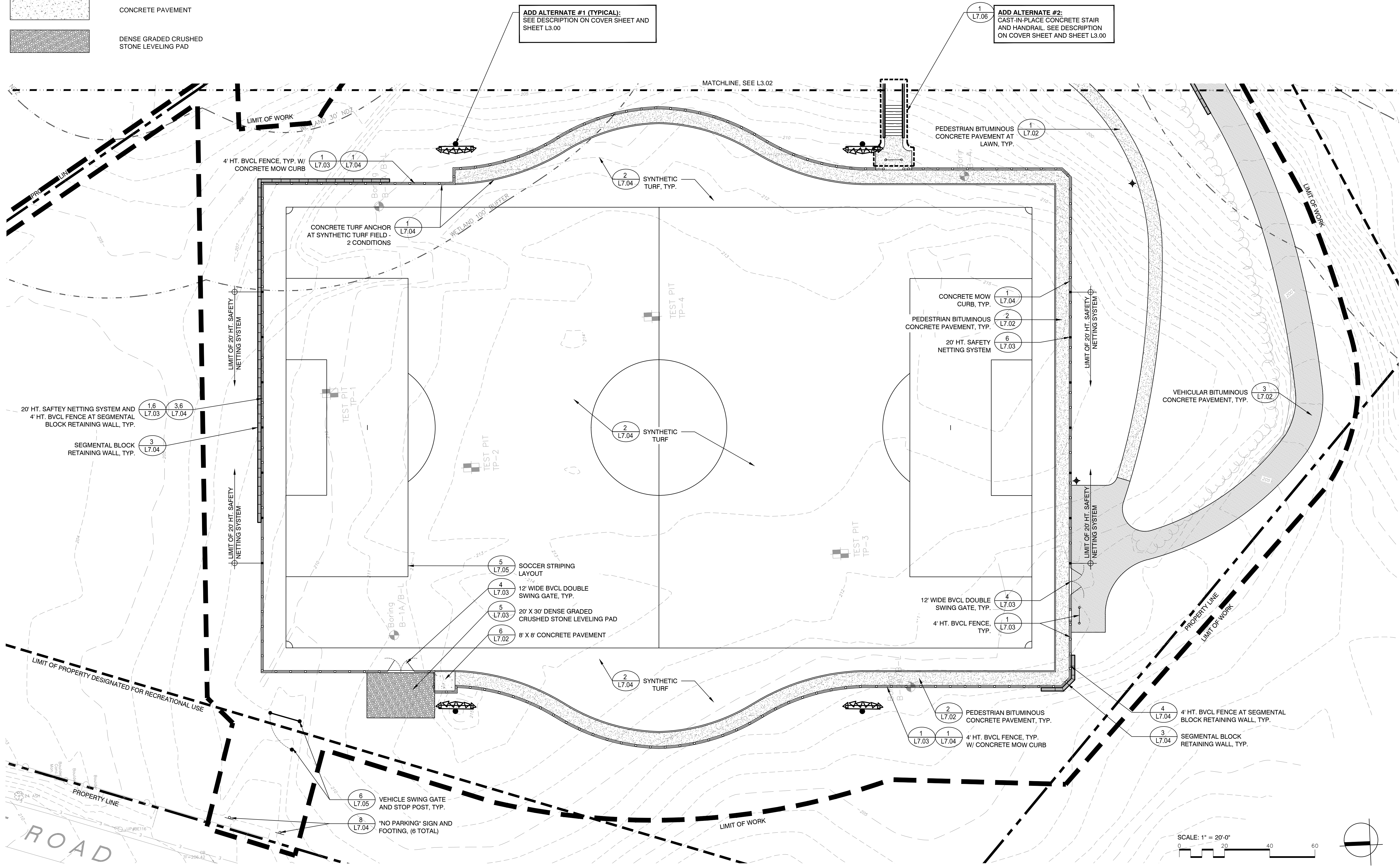
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 Reviewed By: BMK
 Approved By: ERB
 W&S Project No: 2180076
 W&S File No:

Drawing Title:
OVERALL SITE PLAN

Sheet Number:
L3.00

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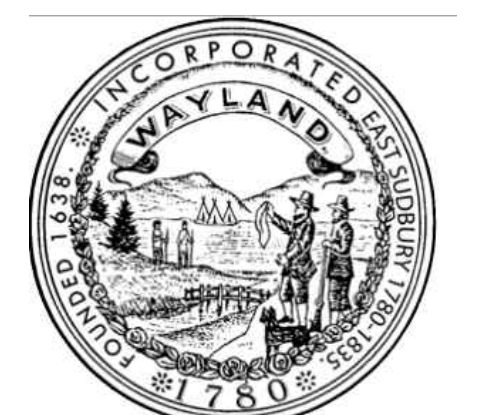
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-  LIMIT OF PROPERTY DESIGNATED FOR RECREATIONAL USE
-  LIMIT OF WORK
-  VEHICULAR BITUMINOUS CONCRETE PAVEMENT
-  PEDESTRIAN BITUMINOUS CONCRETE PAVEMENT
-  CONCRETE PAVEMENT
-  DENSE GRADED CRUSHED STONE LEVELING PAD
-  4' HT. BLACK VINYL CHAIN LINK (BVCL) FENCE
-  SEGMENTAL BLOCK RETAINING WALL
-  GUARDRAIL
-  SPORTS LIGHTING
-  PEDESTRIAN LIGHTING
-  20' HT. SAFETY NETTING SYSTEM



ADD ALTERNATE #1 (TYPICAL):
SEE DESCRIPTION ON COVER SHEET AND SHEET L3.00

ADD ALTERNATE #2:
CAST-IN-PLACE CONCRETE STAIR AND HANDRAIL. SEE DESCRIPTION ON COVER SHEET AND SHEET L3.00

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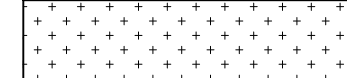

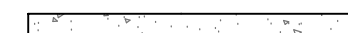





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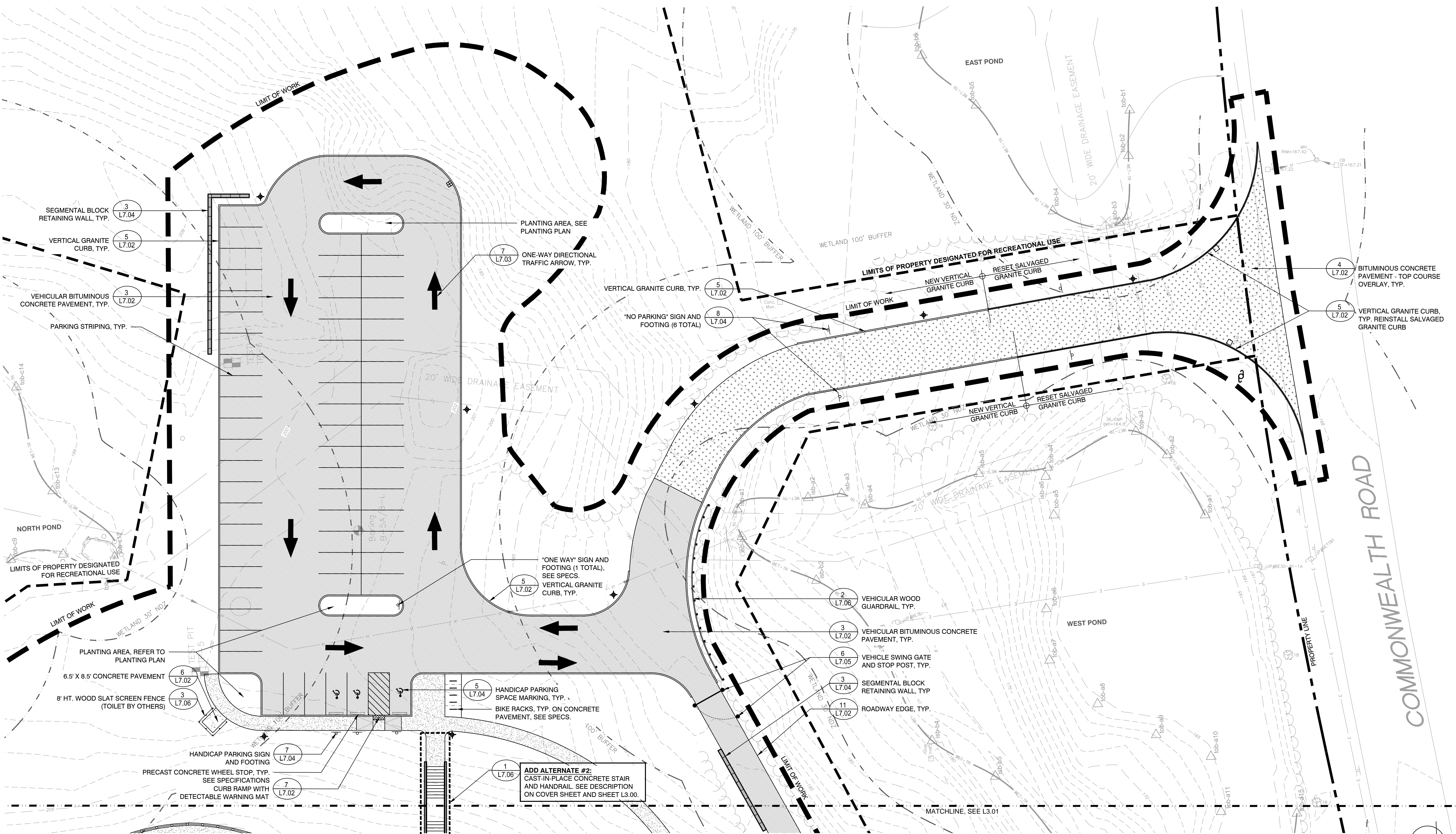
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Drawing Title:
MATERIALS PLAN ENLARGEMENT


Sheet Number:
L3.01

LEGEND:

-  PROPERTY LINE
-  LIMIT OF PROPERTY DESIGNATED FOR RECREATIONAL USE
-  LIMIT OF WORK
-  VEHICULAR BITUMINOUS CONCRETE PAVEMENT
-  BITUMINOUS CONCRETE PAVEMENT - TOP COURSE OVERLAY
-  PEDESTRIAN BITUMINOUS CONCRETE PAVEMENT
-  CONCRETE PAVEMENT
-  SEGMENTAL BLOCK RETAINING WALL
-  VERTICAL GRANITE CURB
-  PEDESTRIAN LIGHTING
-  VEHICULAR WOOD GUARDRAIL
-  8' HT. WOOD SLAT SCREEN FENCE



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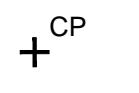
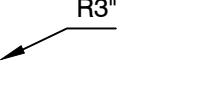
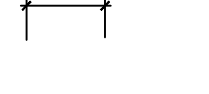

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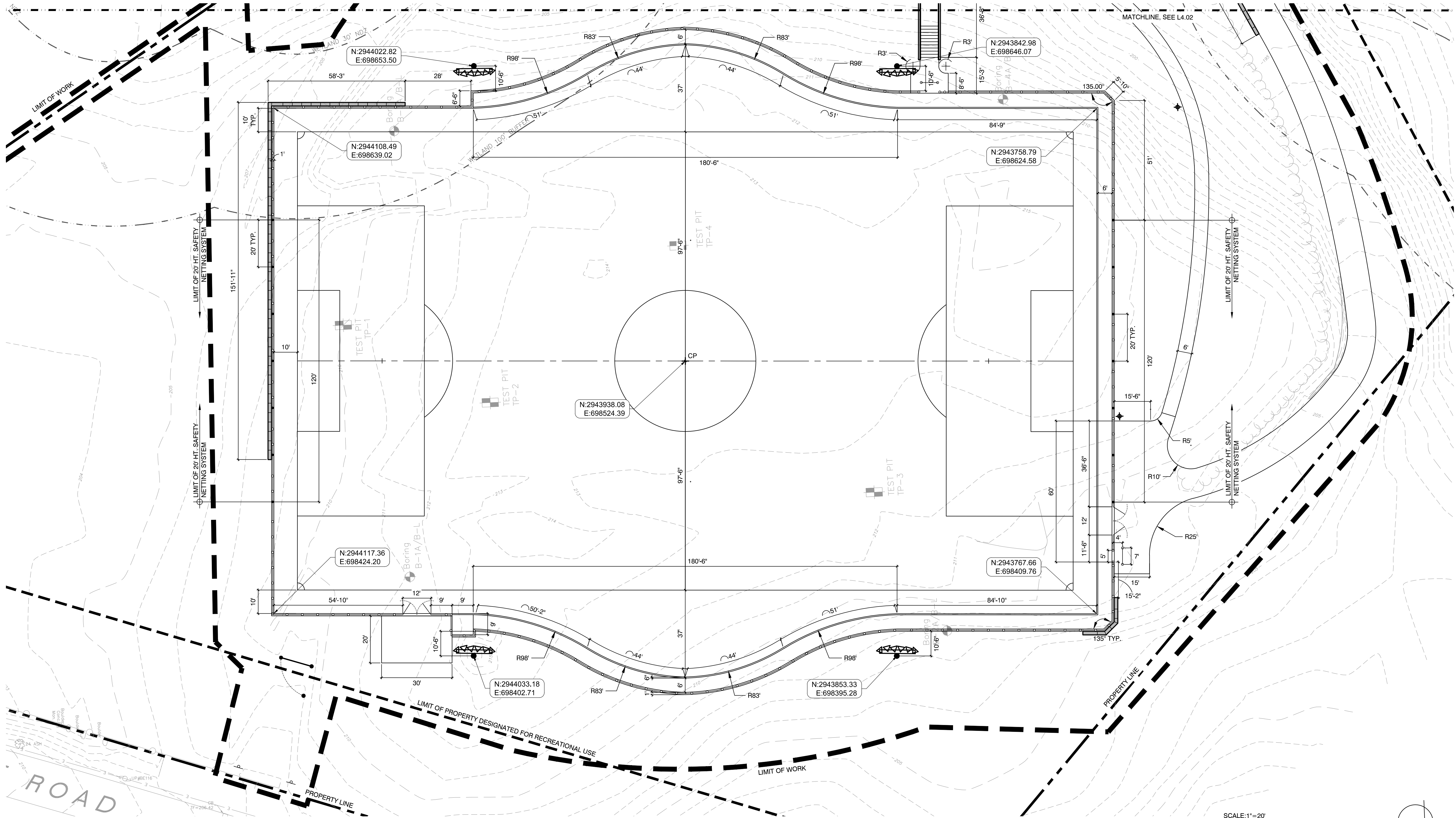
MATERIALS PLAN ENLARGEMENT

Sheet Number:


L3.02

LEGEND

-  LIMIT OF WORK
-  PROPERTY LINE
-  LIMIT OF PROPERTY DESIGNATED FOR RECREATIONAL USE
-  CP CENTER POINT
-  R3' RADIUS DIMENSION
-  5' TYP. DIMENSION
-  9' TYP. ARC DIMENSION



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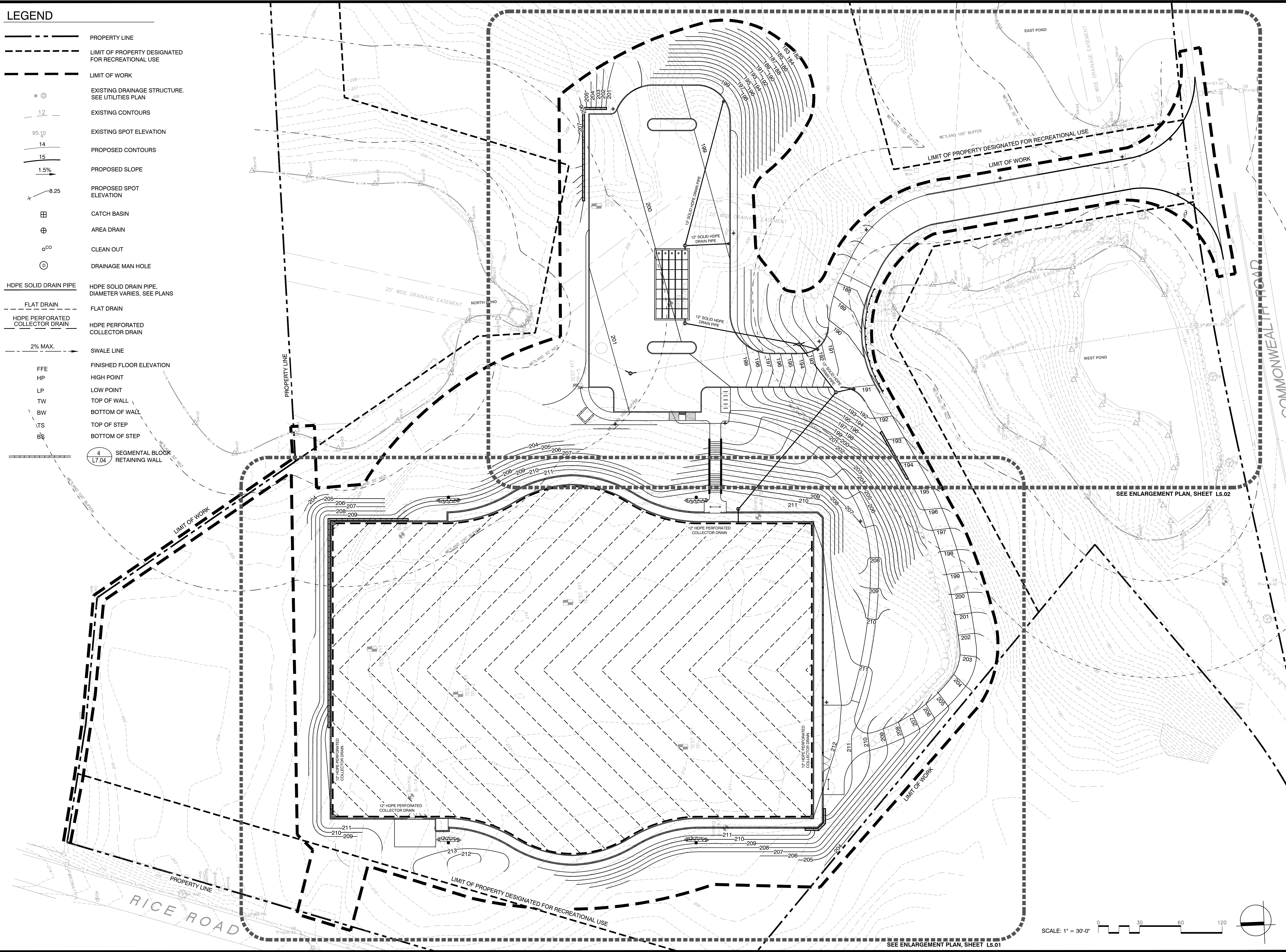
**LAYOUT PLANS
 ENLARGEMENT**

Sheet Number:


L4.01

LEGEND

- PROPERTY LINE
- LIMIT OF PROPERTY DESIGNATED FOR RECREATIONAL USE
- LIMIT OF WORK
- EXISTING DRAINAGE STRUCTURE. SEE UTILITIES PLAN
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION
- PROPOSED CONTOURS
- PROPOSED SLOPE
- PROPOSED SPOT ELEVATION
- CATCH BASIN
- AREA DRAIN
- CLEAN OUT
- DRAINAGE MAN HOLE
- HDPE SOLID DRAIN PIPE
- HDPE SOLID DRAIN PIPE, DIAMETER VARIES, SEE PLANS
- FLAT DRAIN
- FLAT DRAIN
- HDPE PERFORATED COLLECTOR DRAIN
- HDPE PERFORATED COLLECTOR DRAIN
- 2% MAX. SWALE LINE
- FINISHED FLOOR ELEVATION
- HIGH POINT
- LOW POINT
- TOP OF WALL
- BOTTOM OF WALL
- TOP OF STEP
- BOTTOM OF STEP
- SEGMENTAL BLOCK RETAINING WALL



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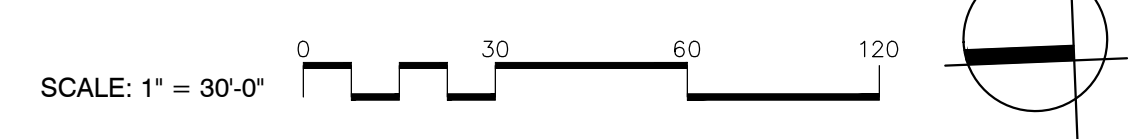
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**OVERALL GRADING,
 DRAINAGE & UTILITY
 PLANS**

Sheet Number:

L5.00

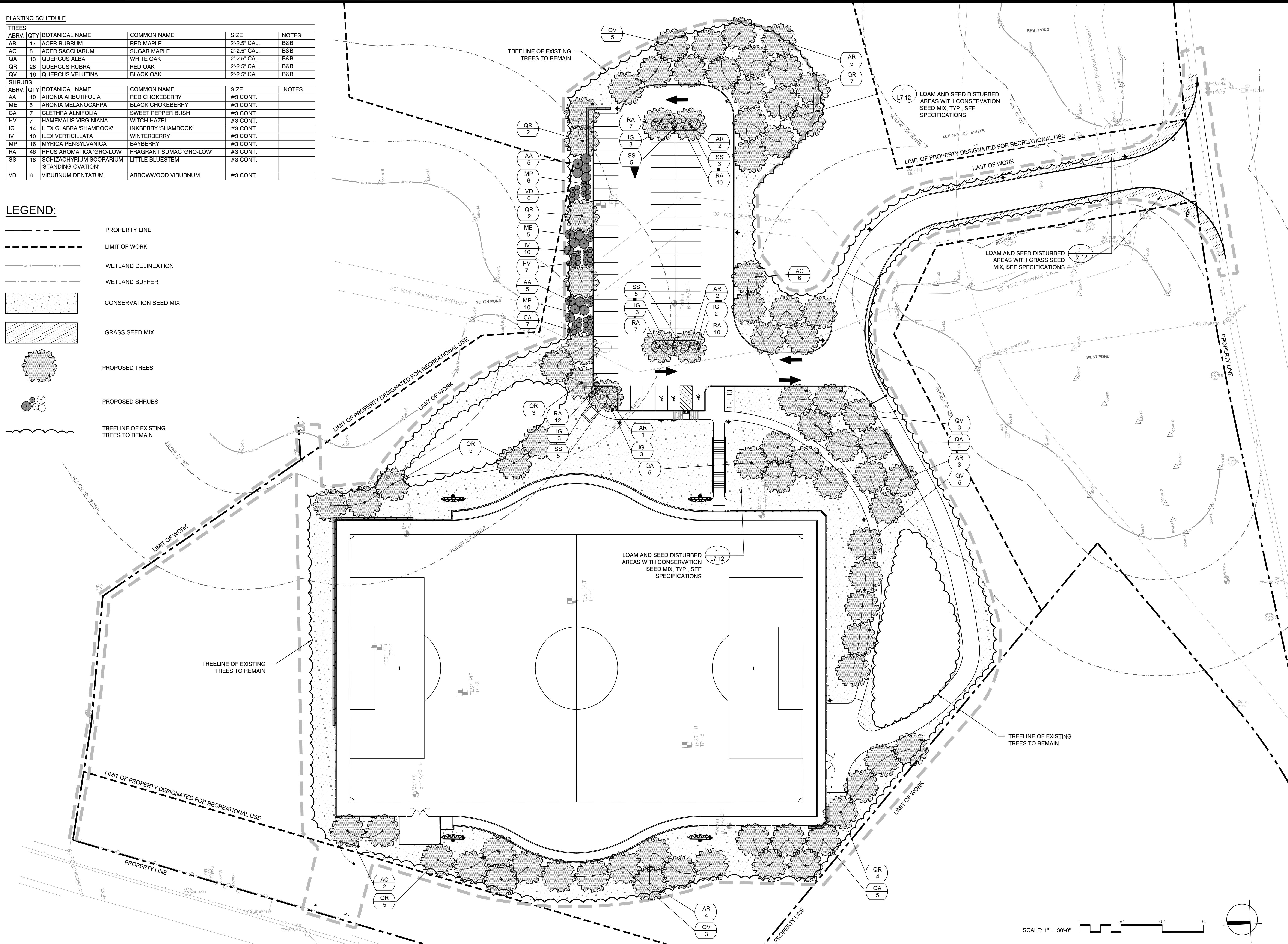


PLANTING SCHEDULE

TREES					
ABRV.	QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
AR	17	ACER RUBRUM	RED MAPLE	2'-2.5" CAL.	B&B
AC	8	ACER SACCHARUM	SUGAR MAPLE	2'-2.5" CAL.	B&B
QA	13	QUERCUS ALBA	WHITE OAK	2'-2.5" CAL.	B&B
QR	28	QUERCUS RUBRA	RED OAK	2'-2.5" CAL.	B&B
QV	16	QUERCUS VELUTINA	BLACK OAK	2'-2.5" CAL.	B&B
SHRUBS					
ABRV.	QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
AA	10	ARONIA ARBUTIFOLIA	RED CHOKEBERRY	#3 CONT.	
ME	5	ARONIA MELANOCARPA	BLACK CHOKEBERRY	#3 CONT.	
CA	7	CLETHRA ALNIFOLIA	SWEET PEPPER BUSH	#3 CONT.	
HV	7	HAMEMALIS VIRGINIANA	WITCH HAZEL	#3 CONT.	
IG	14	ILEX GLABRA 'SHAMROCK'	INKBERRY 'SHAMROCK'	#3 CONT.	
IV	10	ILEX VERTICILLATA	WINTERBERRY	#3 CONT.	
MP	16	MYRICA PENNSYLVANICA	BAYBERRY	#3 CONT.	
RA	46	RHUS AROMATICA 'GRO-LOW'	FRAGRANT SUMAC 'GRO-LOW'	#3 CONT.	
SS	18	SCHIZACHYRIUM SCOPARIUM 'STANDING OVATION'	LITTLE BLUESTEM	#3 CONT.	
VD	6	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	#3 CONT.	

LEGEND:

- PROPERTY LINE
- LIMIT OF WORK
- WETLAND DELINEATION
- WETLAND BUFFER
- CONSERVATION SEED MIX
- GRASS SEED MIX
- PROPOSED TREES
- PROPOSED SHRUBS
- TREELINE OF EXISTING TREES TO REMAIN



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OVERALL PLANTING PLAN

Sheet Number:
L6.00

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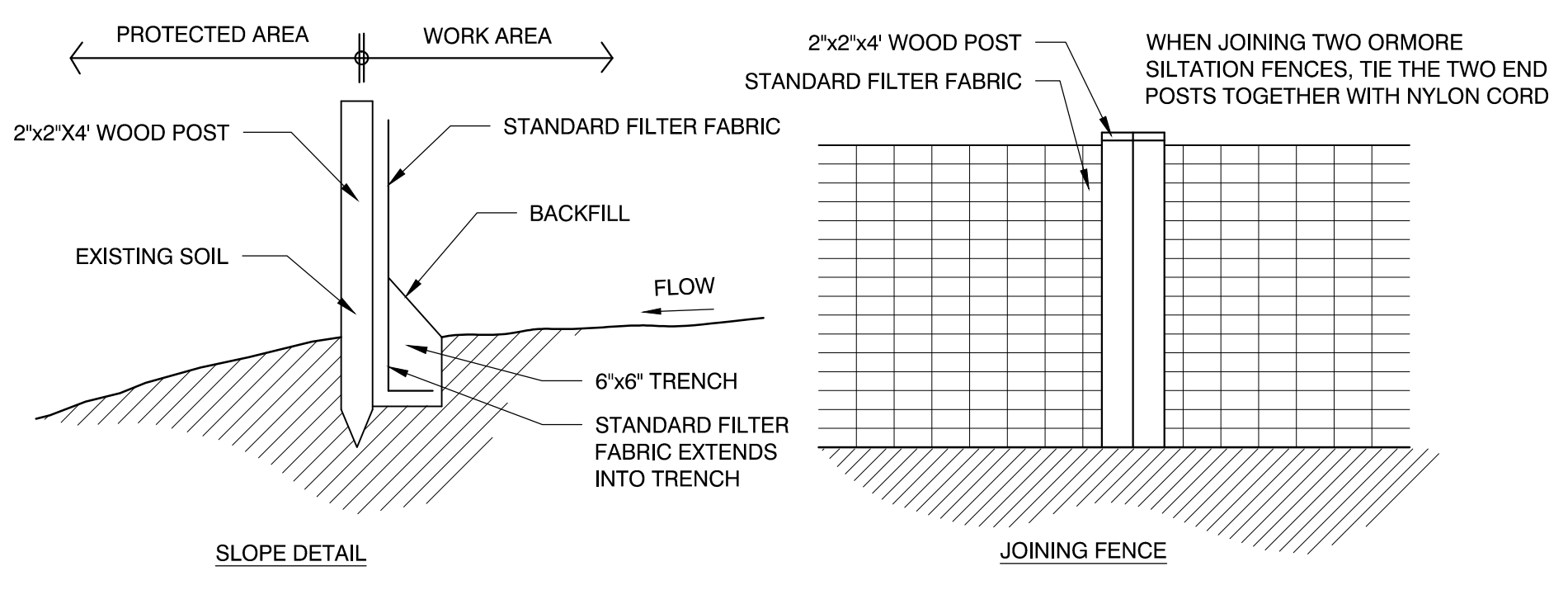
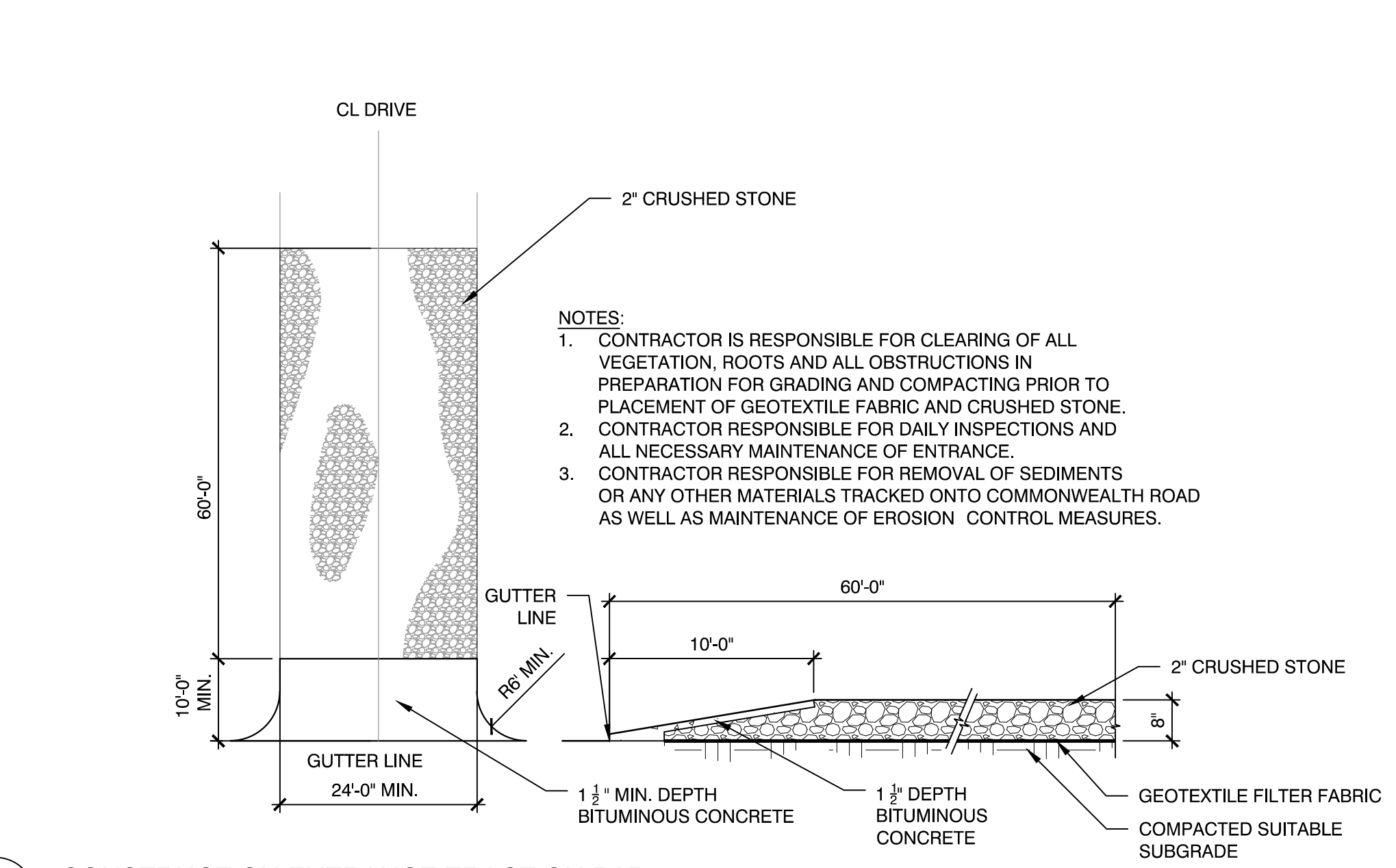
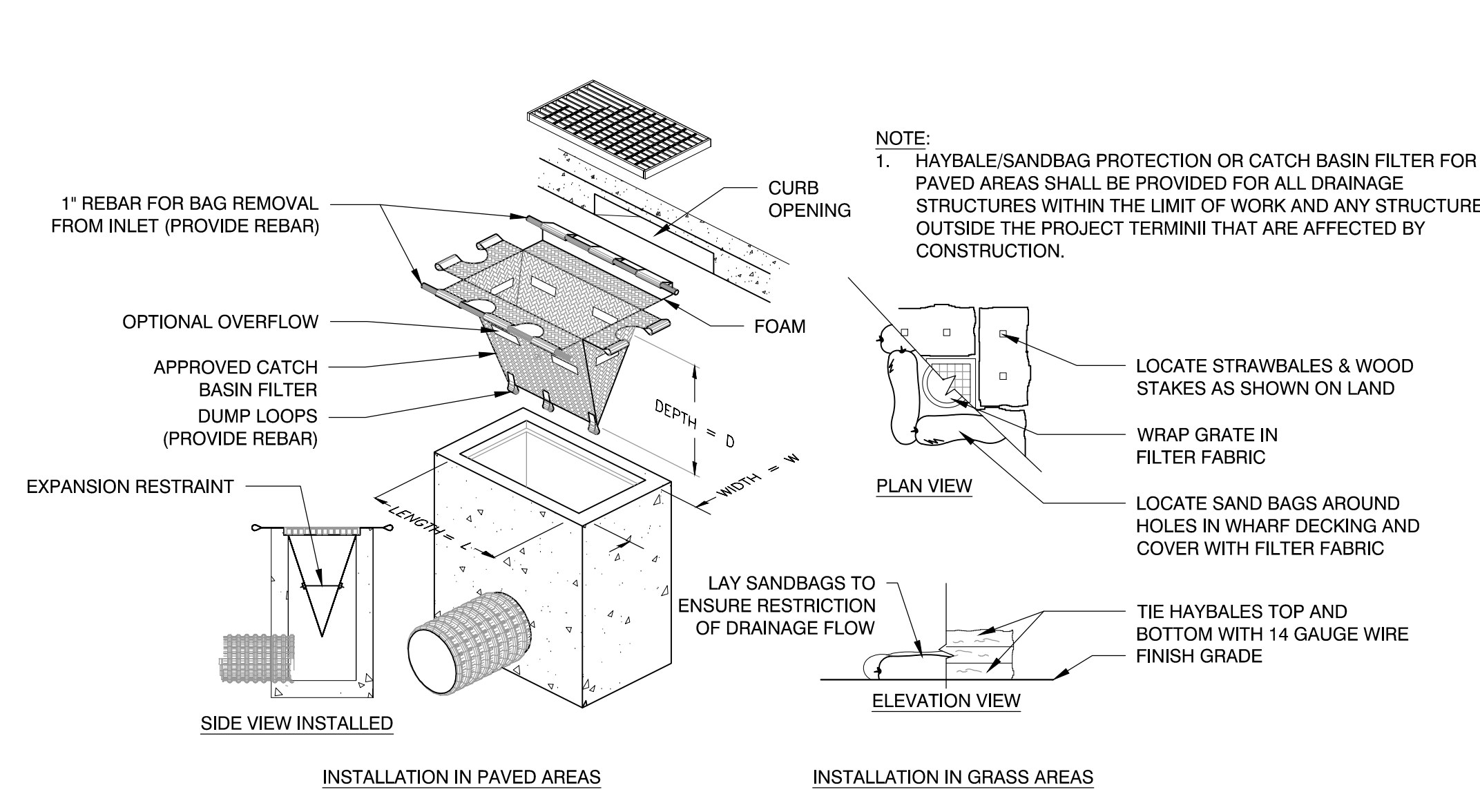
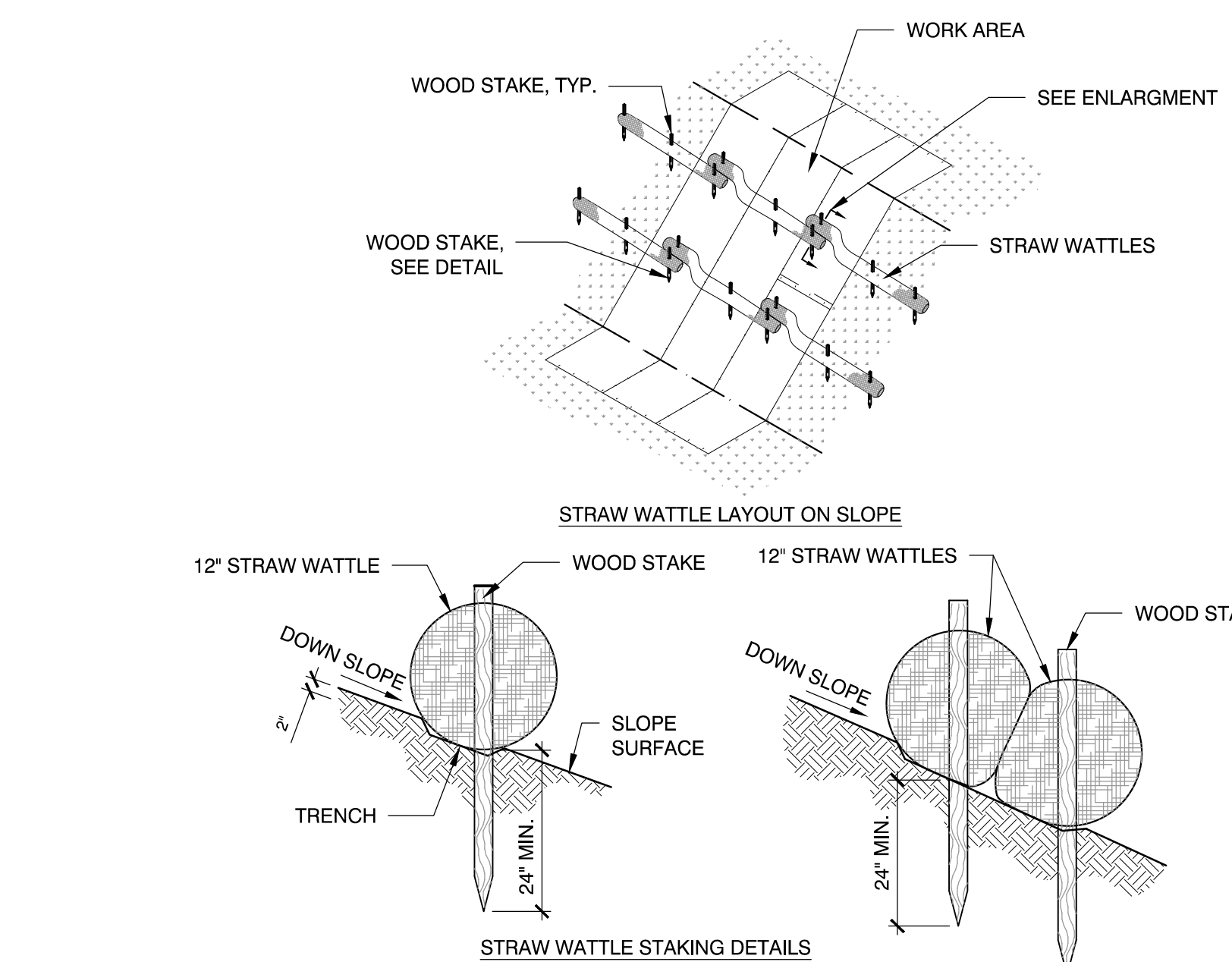
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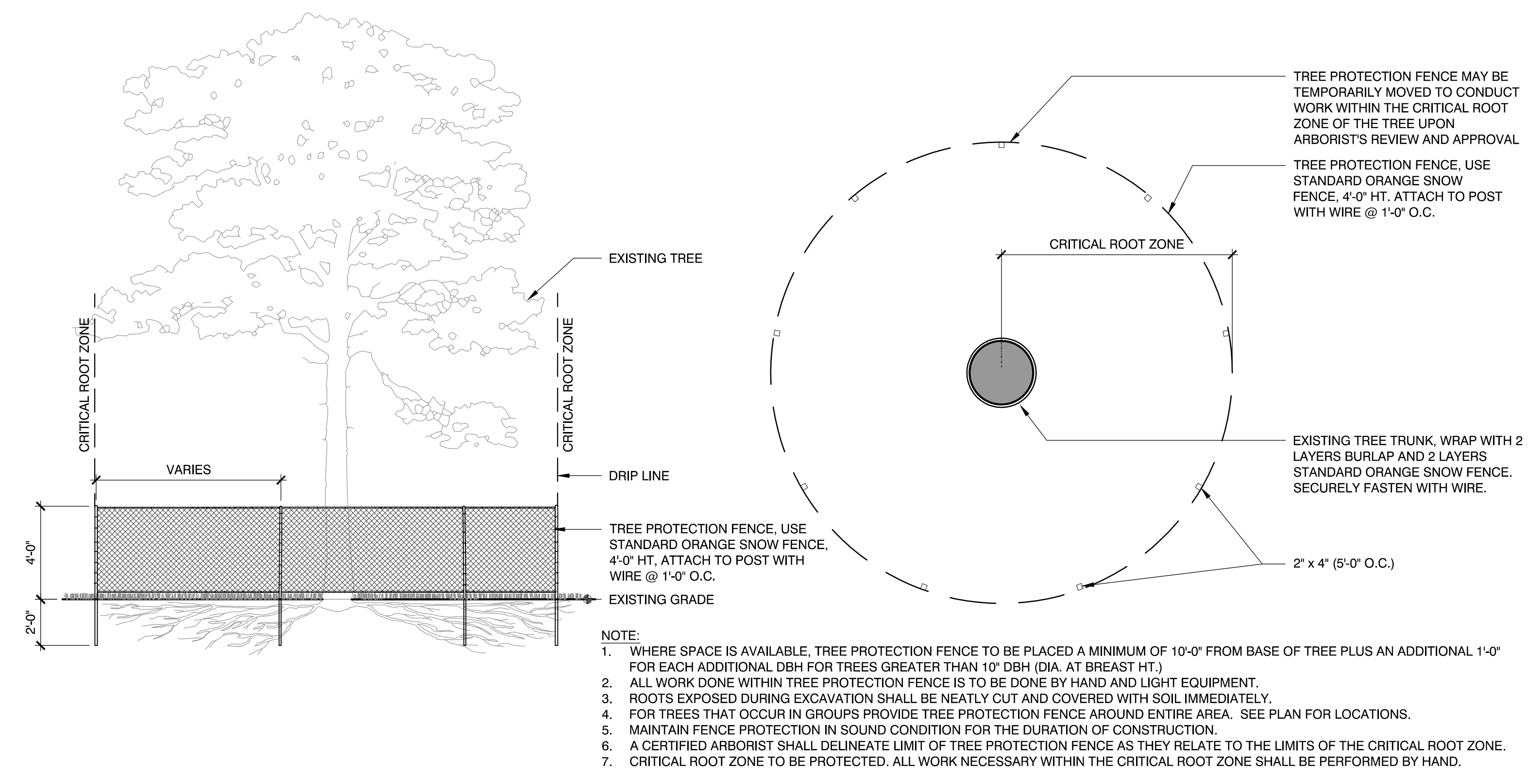
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 DETAILS**

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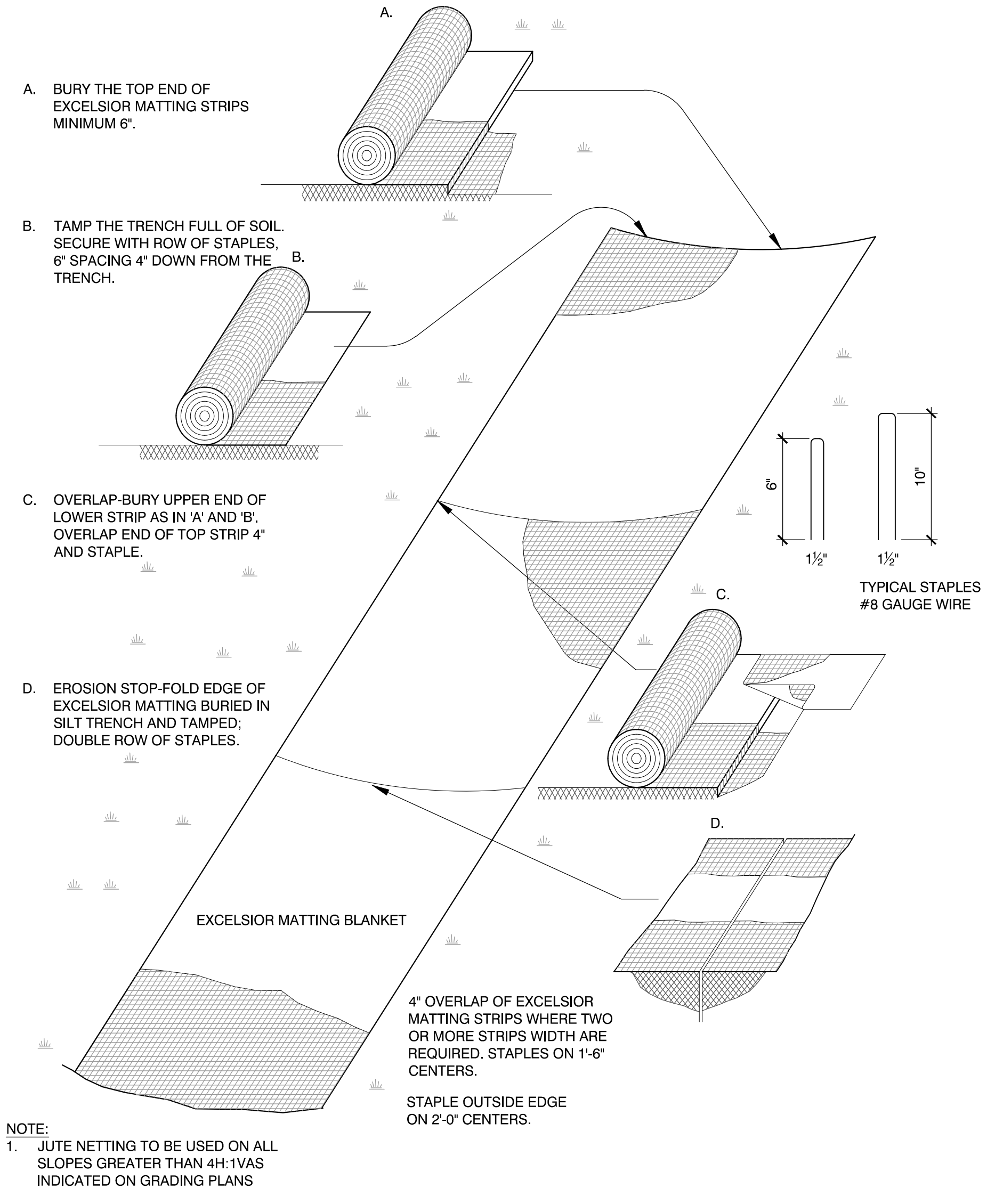
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1 EROSION AND SEDIMENT CONTROL
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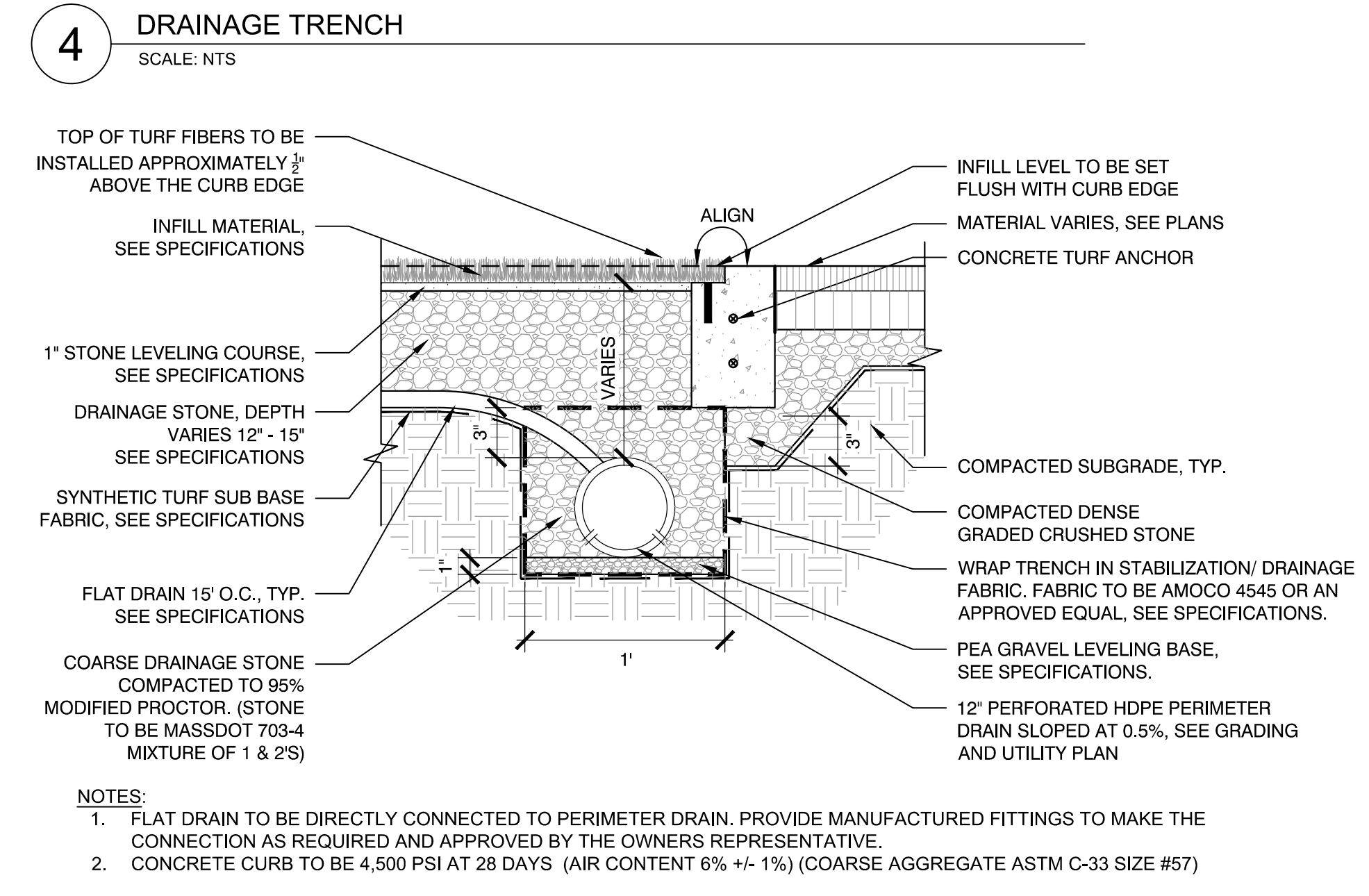
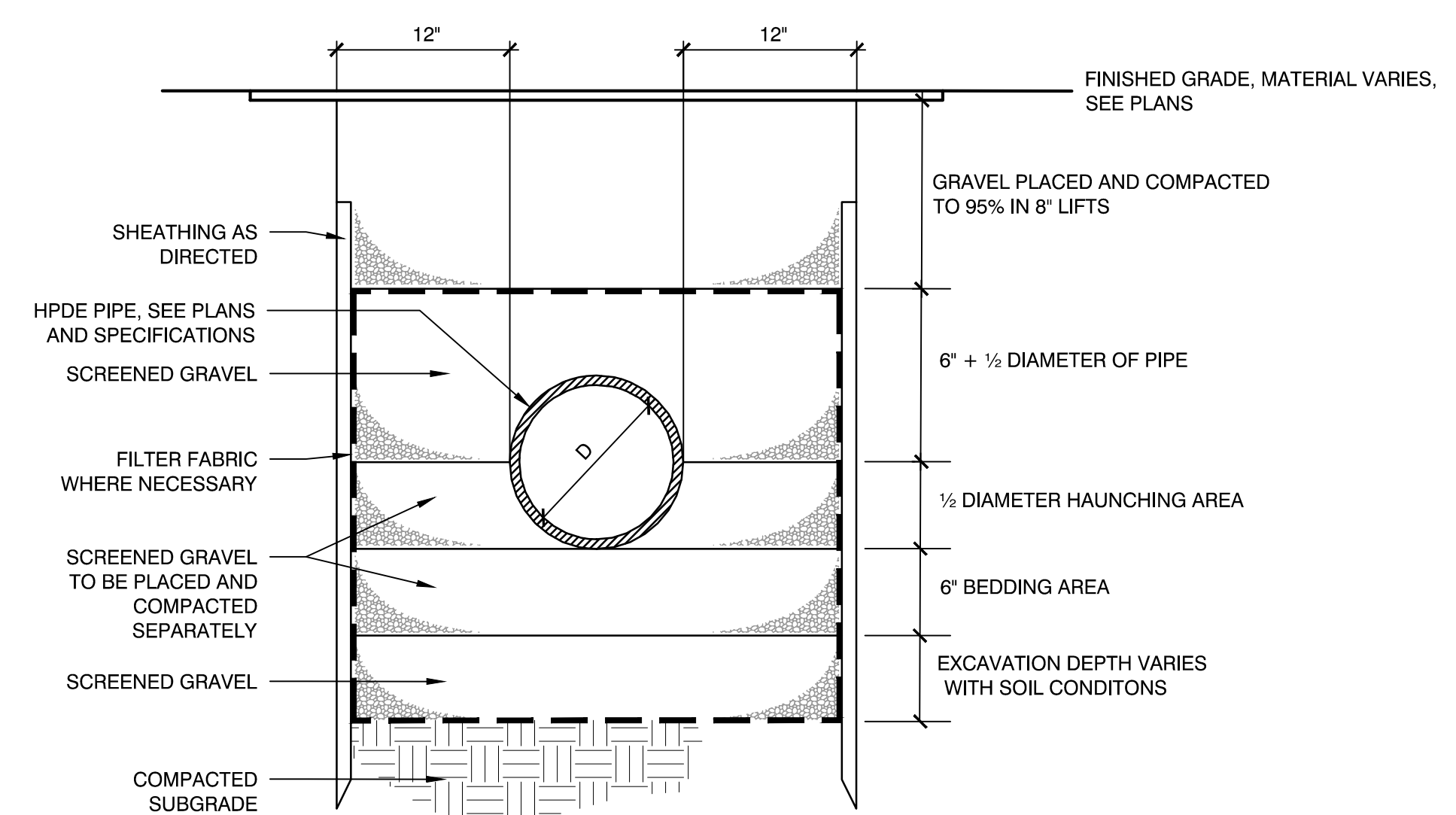
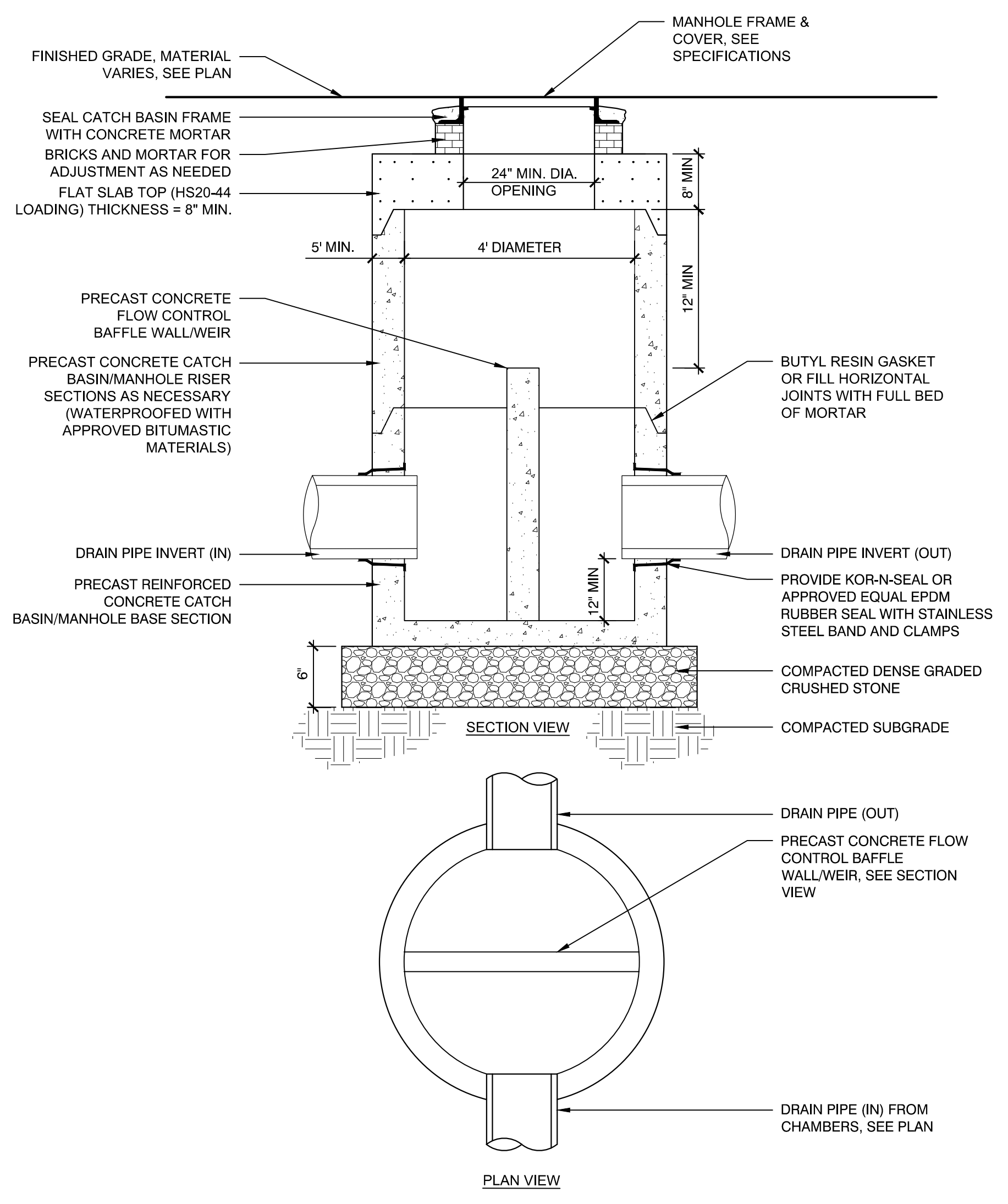
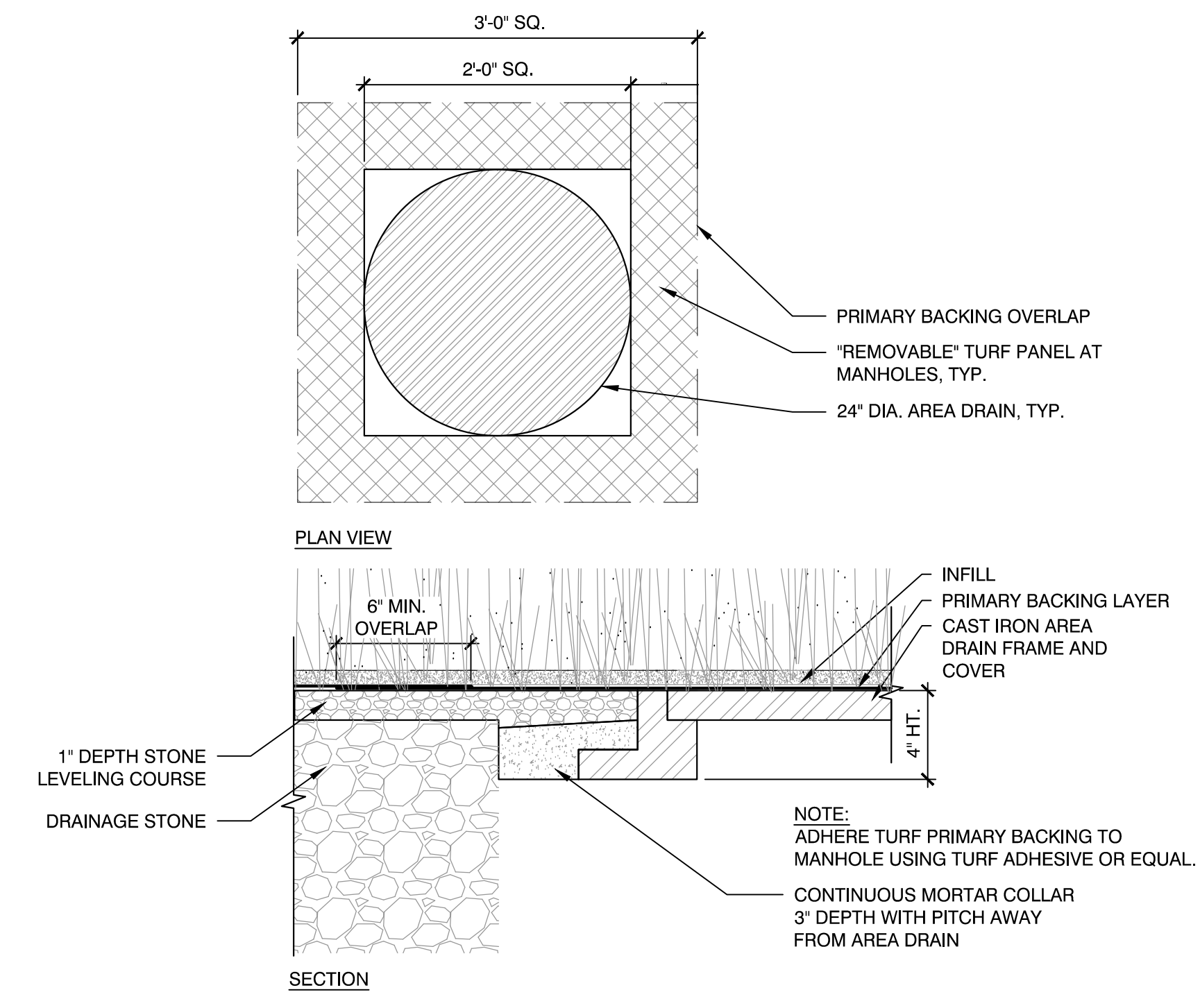
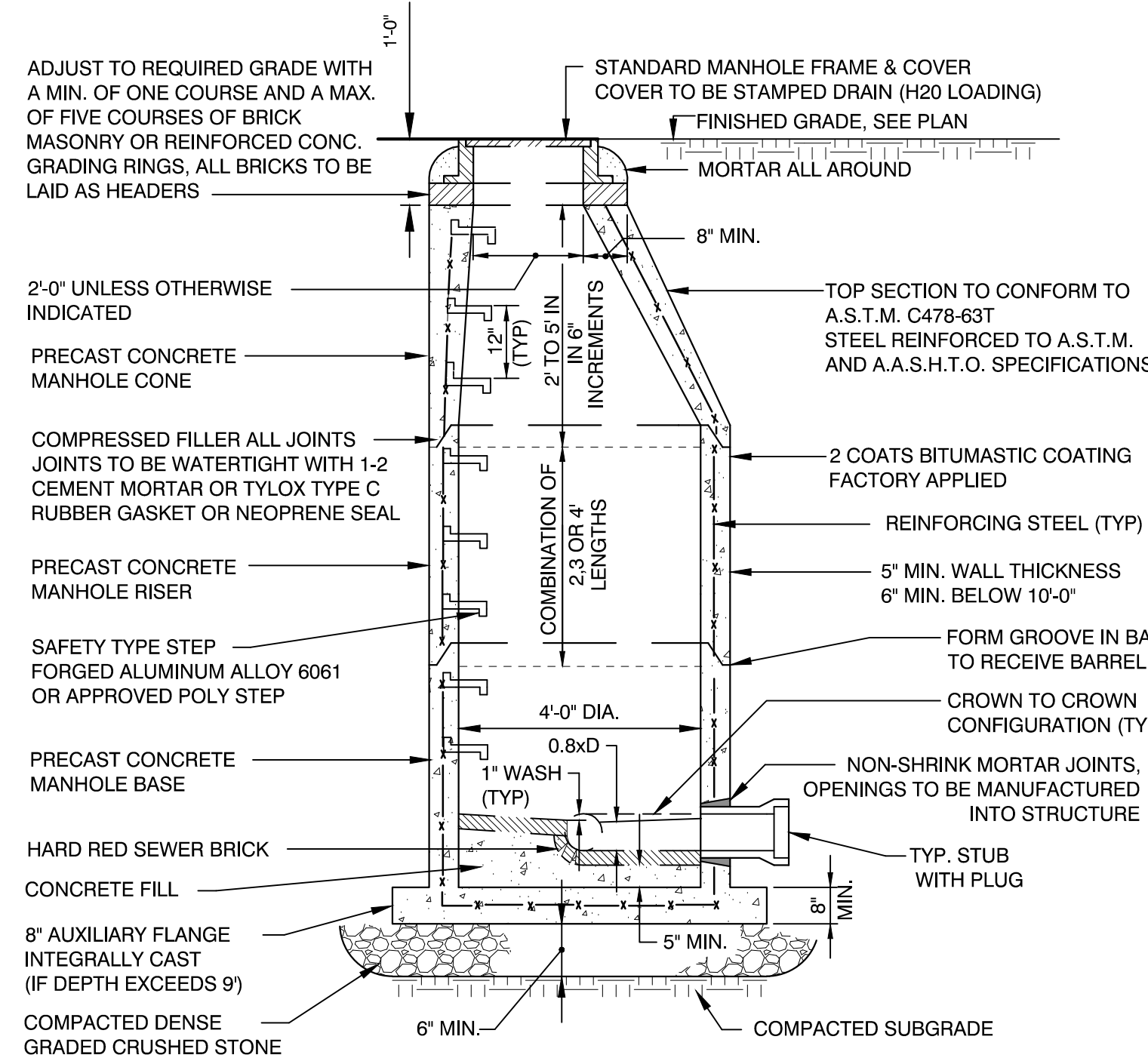
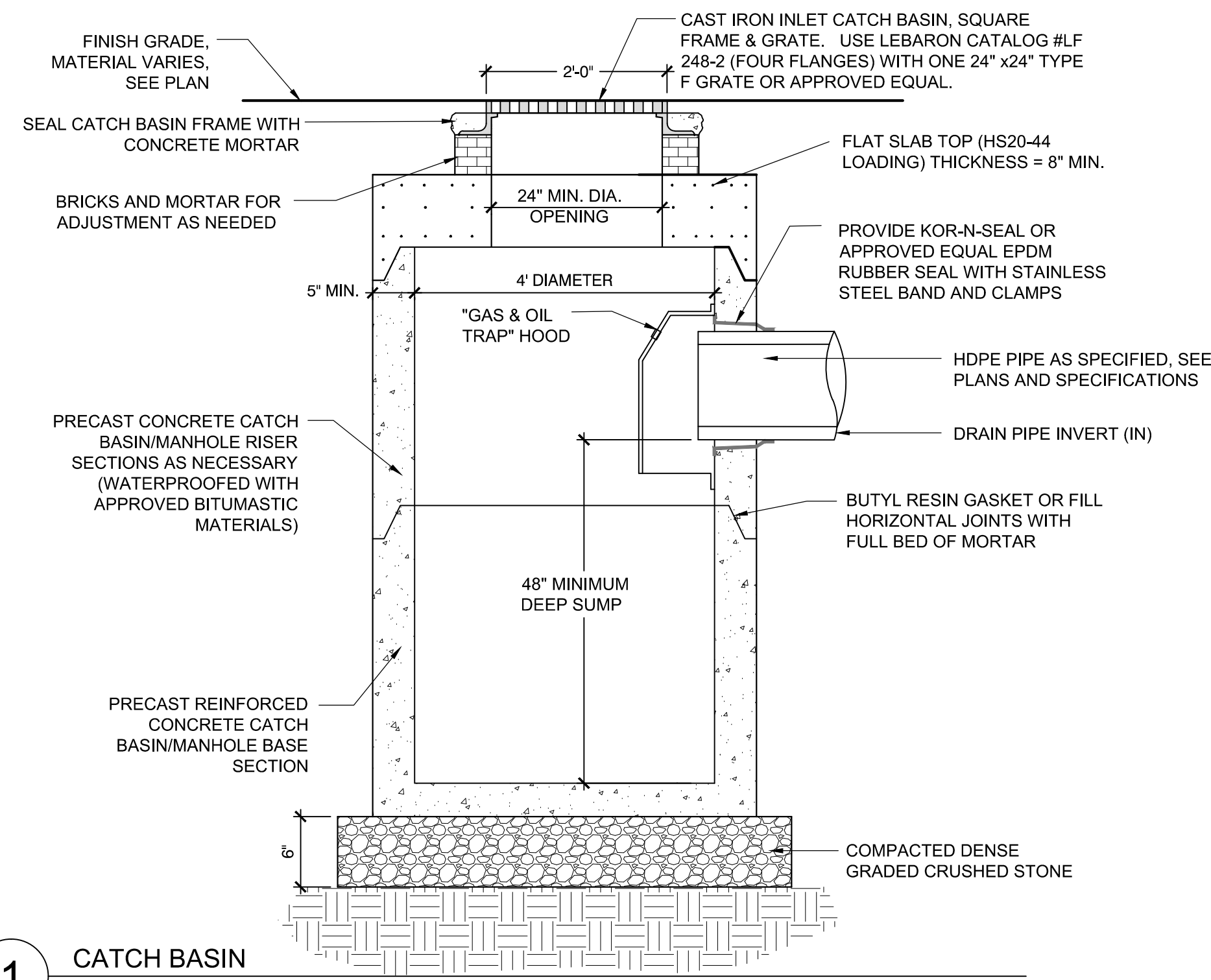
2 TREE PROTECTION
 SCALE: NTS



5 EROSION CONTROL BLANKET
 SCALE: NTS

3 INLET SEDIMENT CONTROL
 SCALE: NTS

4 CONSTRUCTION ENTRANCE TRACTION PAD
 SCALE: NTS



Consultants:

Revisions:

No.	Date	Description

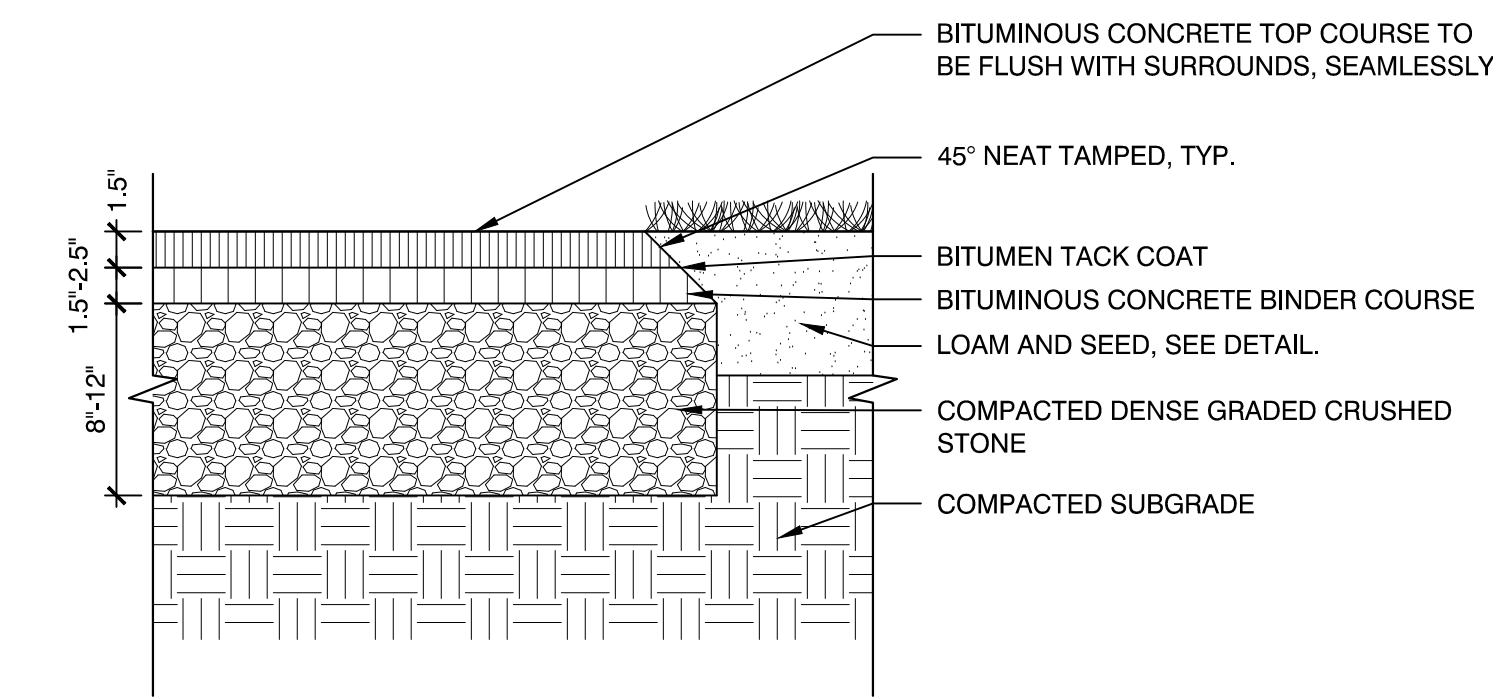


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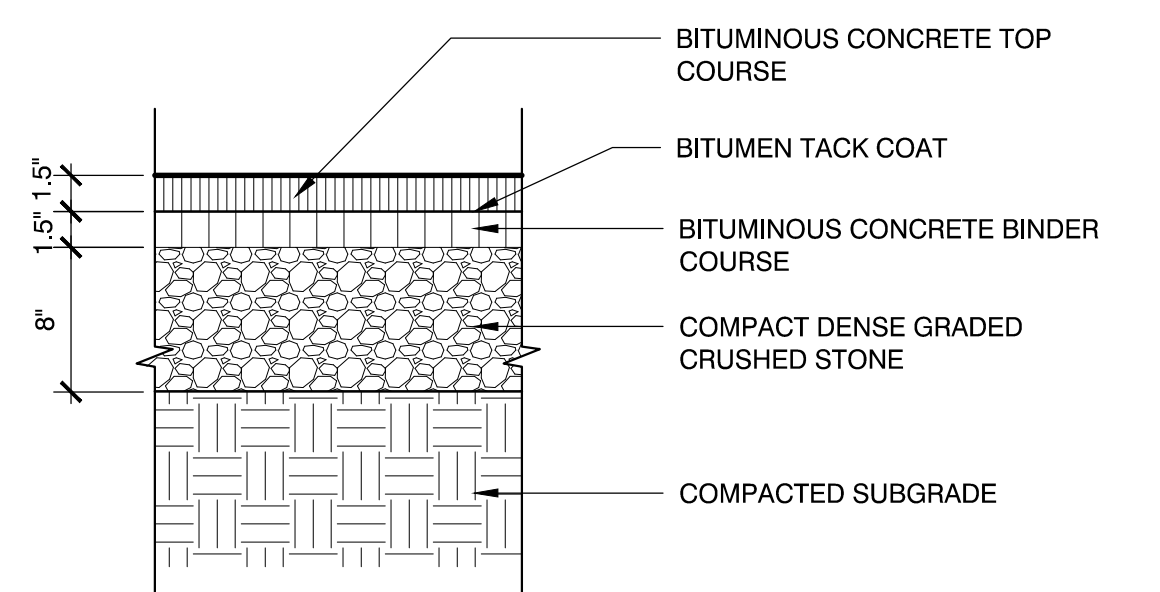
Scale: AS SHOWN
Date: FEBRUARY 28, 2019
Drawn By: CCC, DYF
Reviewed By: BMK
Approved By: ERB
W&S Project No: 2180076
W&S File No:

1 BITUMINOUS CONCRETE AT LAWN
SCALE: NTS



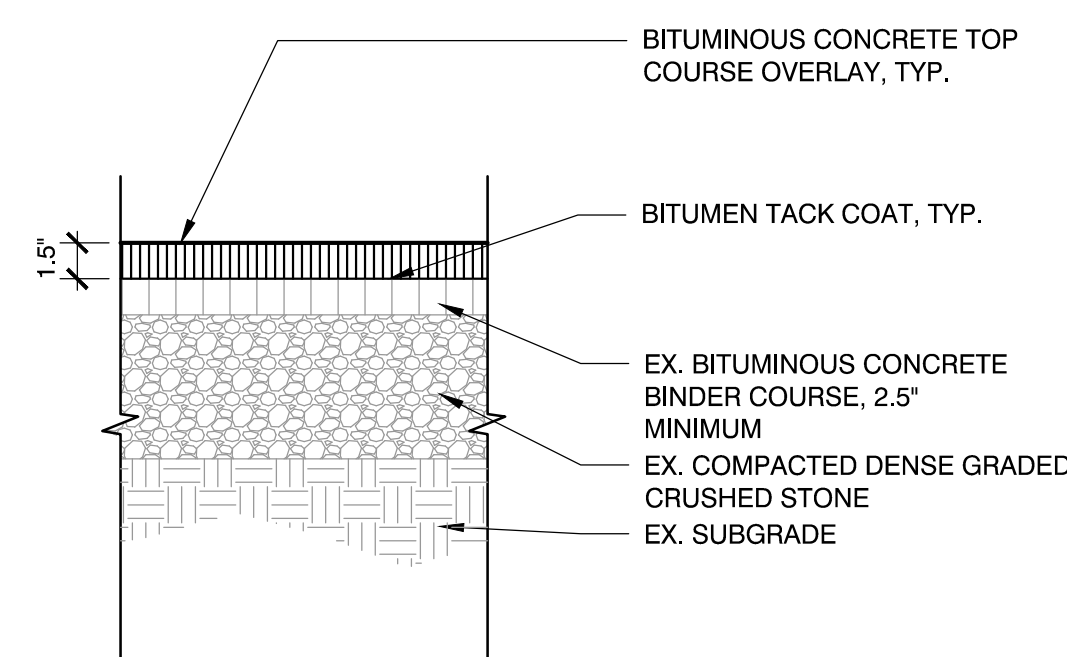
NOTES:
1. CONTRACTOR TO PROVIDE SMOOTH TRANSITION WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT.

2 PEDESTRIAN BITUMINOUS CONCRETE PAVEMENT
SCALE: NTS



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

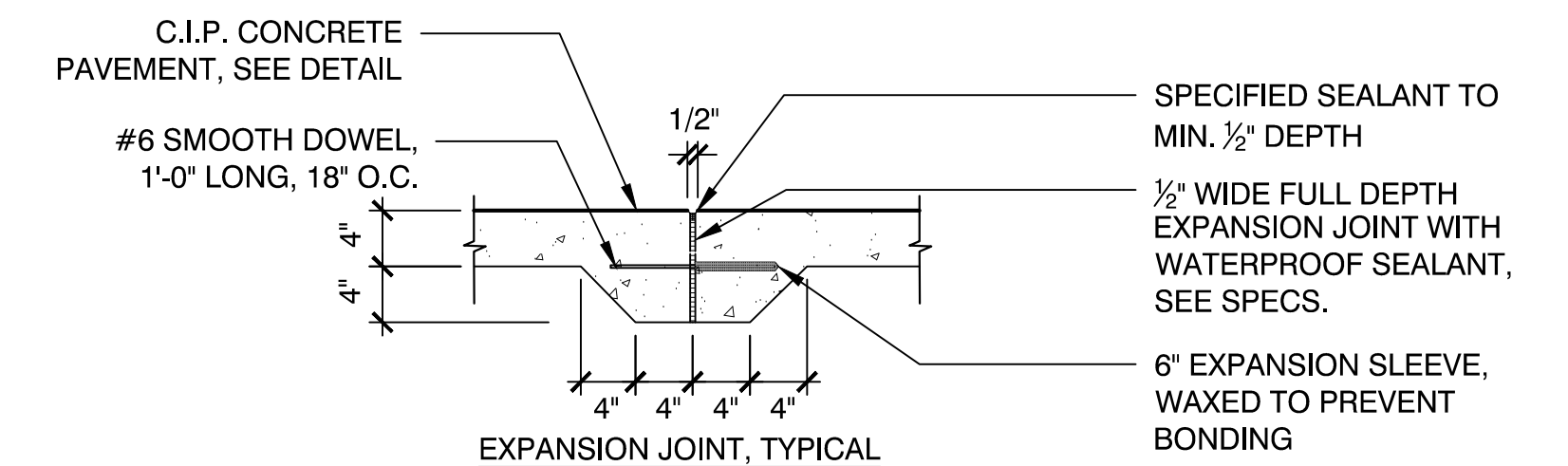
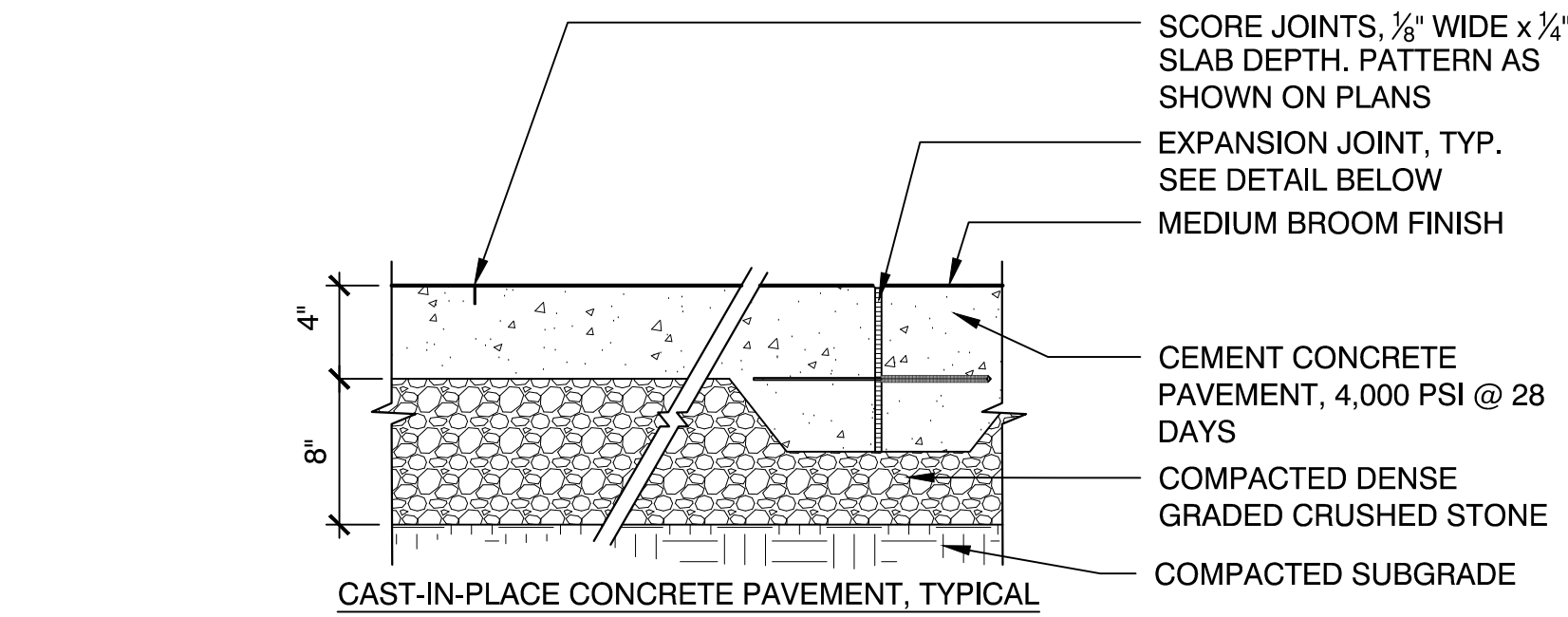
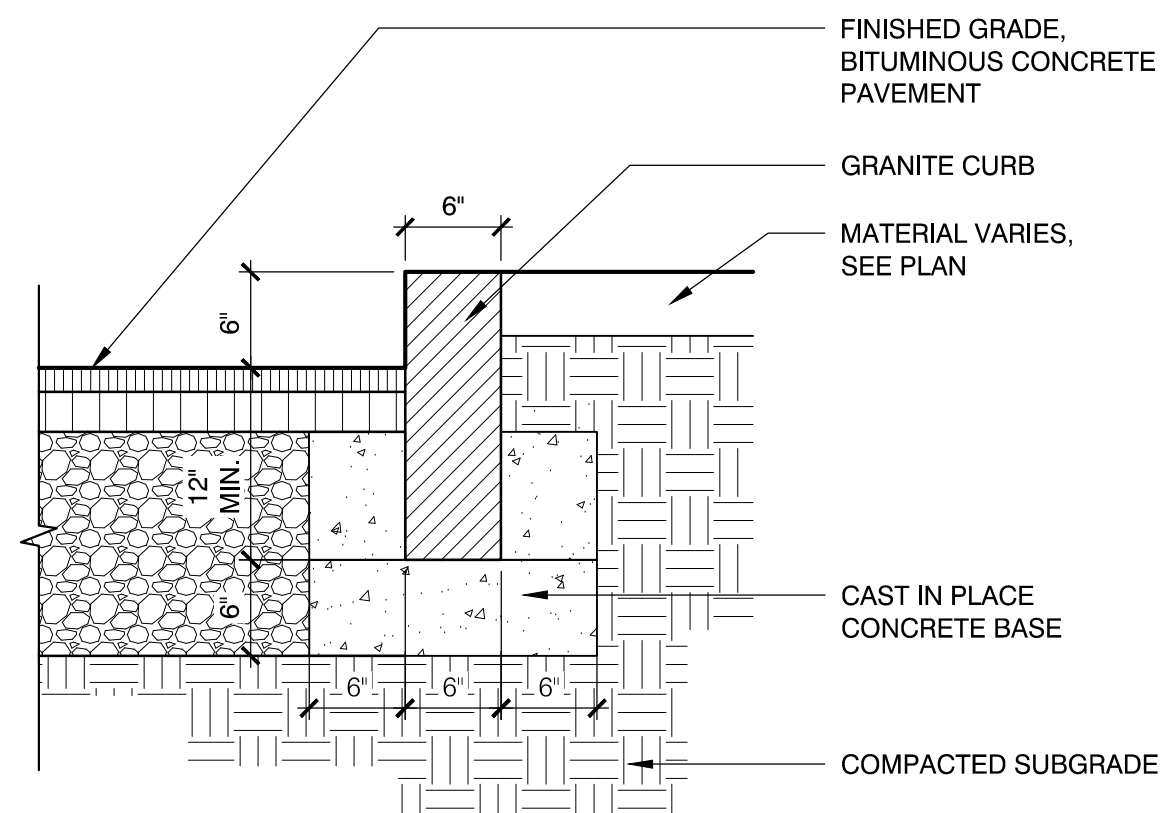
3 VEHICULAR BITUMINOUS CONCRETE PAVEMENT
SCALE: NTS



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

4 BITUMINOUS CONCRETE PAVEMENT - TOP COURSE OVERLAY
SCALE: NTS

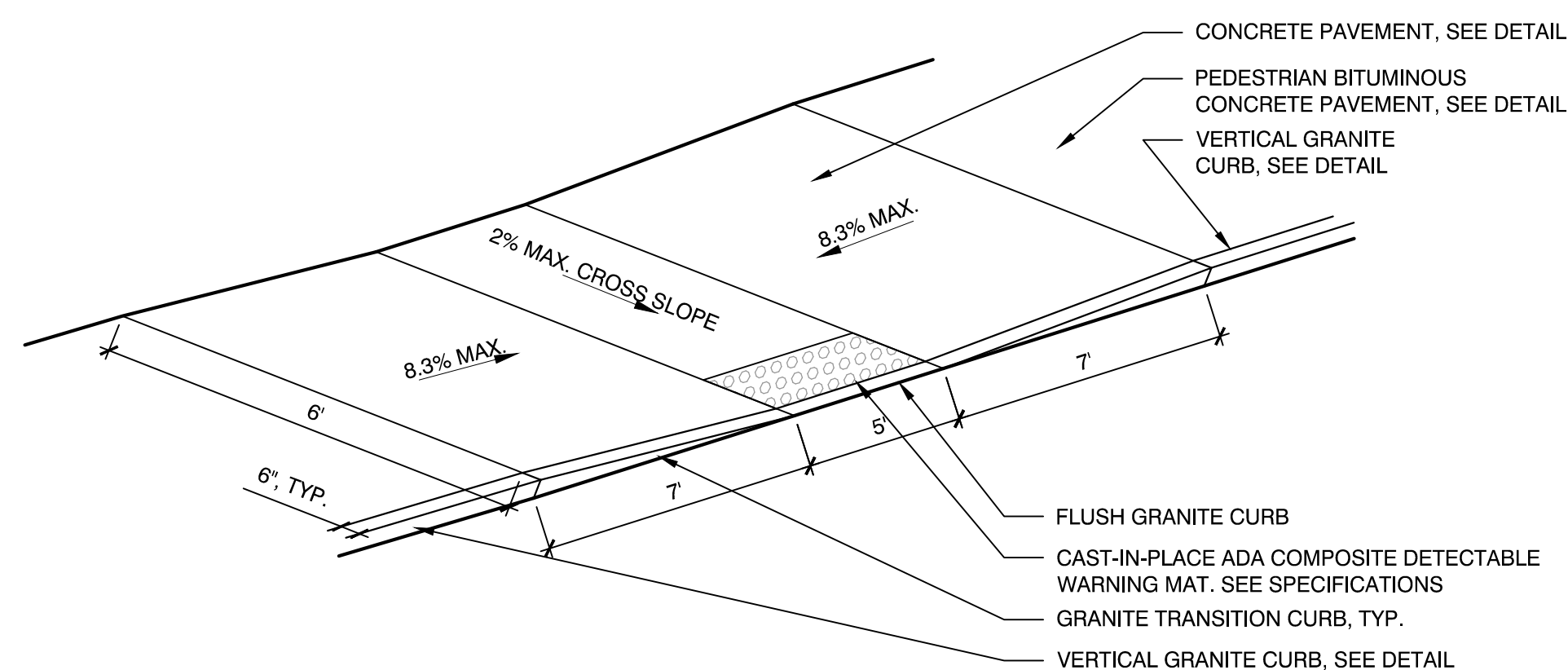
5 VERTICAL GRANITE CURB
SCALE: NTS



EXPANSION JOINT INSTALLATION NOTES:

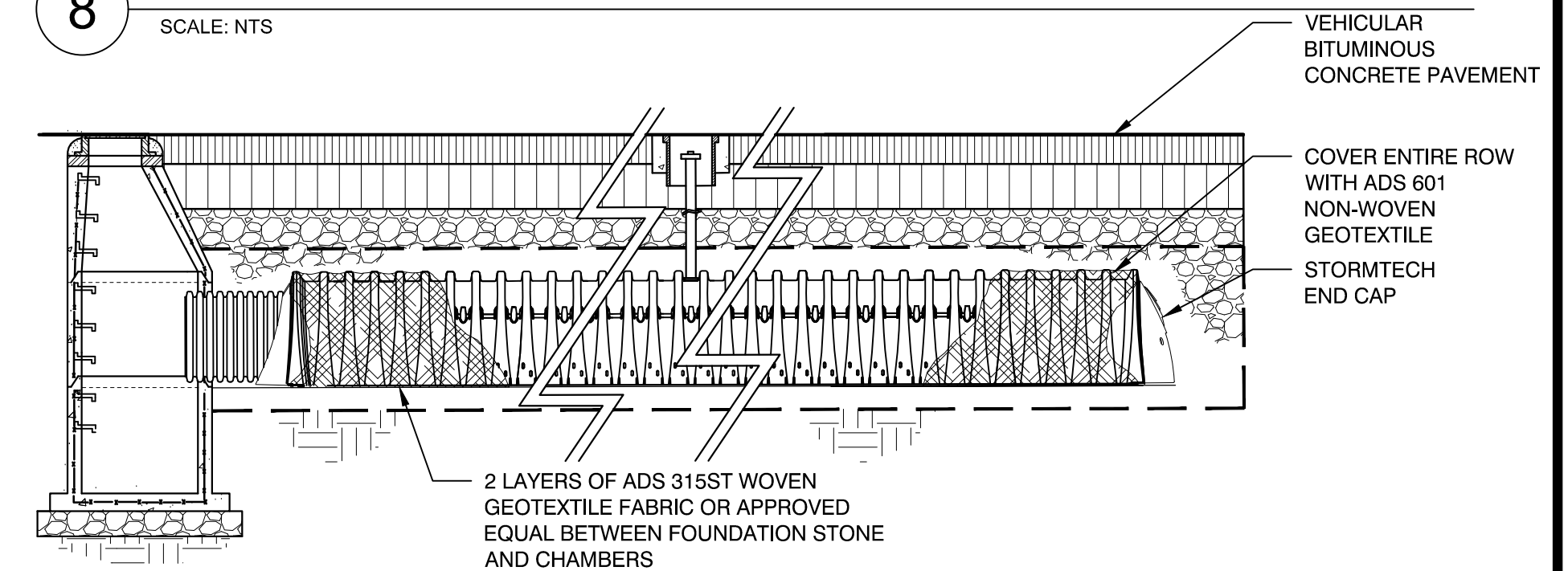
1. DOWEL IS TYPICAL AT ALL EXPANSION JOINTS (18" O.C.) WITHIN CONCRETE PAVING AND BETWEEN NEW CONCRETE PAVING AND EXISTING CONCRETE PAVING TO REMAIN.
2. DELETE EXPANSION SLEEVE AND DOWEL WHERE JOINT ABUTS WALL, CURBS, OR OTHER VERTICAL SURFACES, UNLESS OTHERWISE NOTED.
3. EXPANSION JOINTS MAX. 25'-0" 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 EXPANSION JOINTS SHALL BE SAW CUT.

6 CONCRETE PAVEMENT
SCALE: NTS



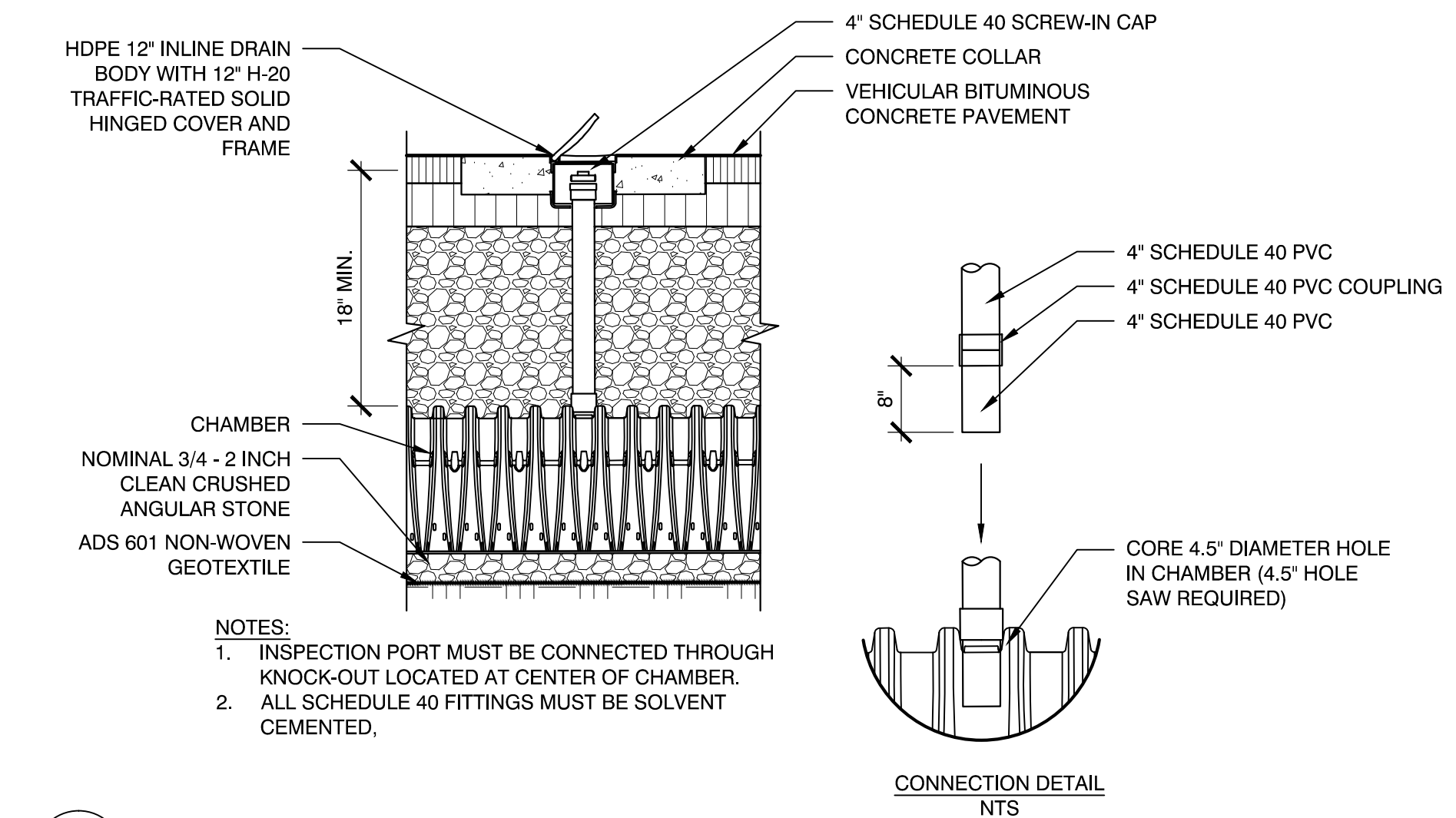
7 CURB RAMP WITH DETECTABLE WARNING MAT
SCALE: NTS

8 STORMWATER CHAMBER CROSS SECTION
SCALE: NTS



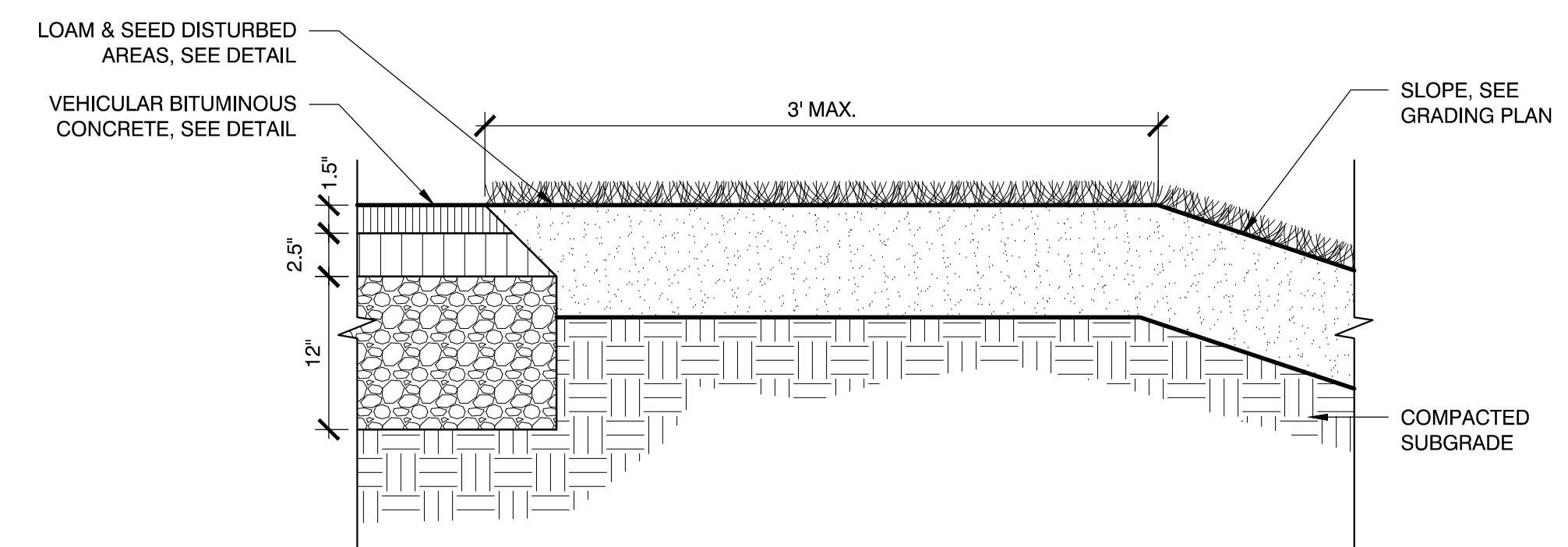
- NOTES:
1. STORAGE PROVIDED = SEE PLANS.
2. CHAMBER SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
3. USE 330XLHD HEAVY DUTY FOR TRAFFIC AND/OR H-25 APPLICATIONS OR APPROVED EQUAL, SEE SPECIFICATIONS.
4. ALL UNITS SHALL BE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
5. ALL CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
6. PROVIDE ONE 6\"/>

9 STORMWATER CHAMBER ISOLATION ROW
SCALE: NTS



- NOTES:
1. INSPECTION PORT MUST BE CONNECTED THROUGH KNOCK-OUT LOCATED AT CENTER OF CHAMBER.
2. ALL SCHEDULE 40 FITTINGS MUST BE SOLVENT CEMENTED.

10 STORMWATER CHAMBER INSPECTION PORT
SCALE: NTS



11 ROADWAY EDGE
SCALE: NTS

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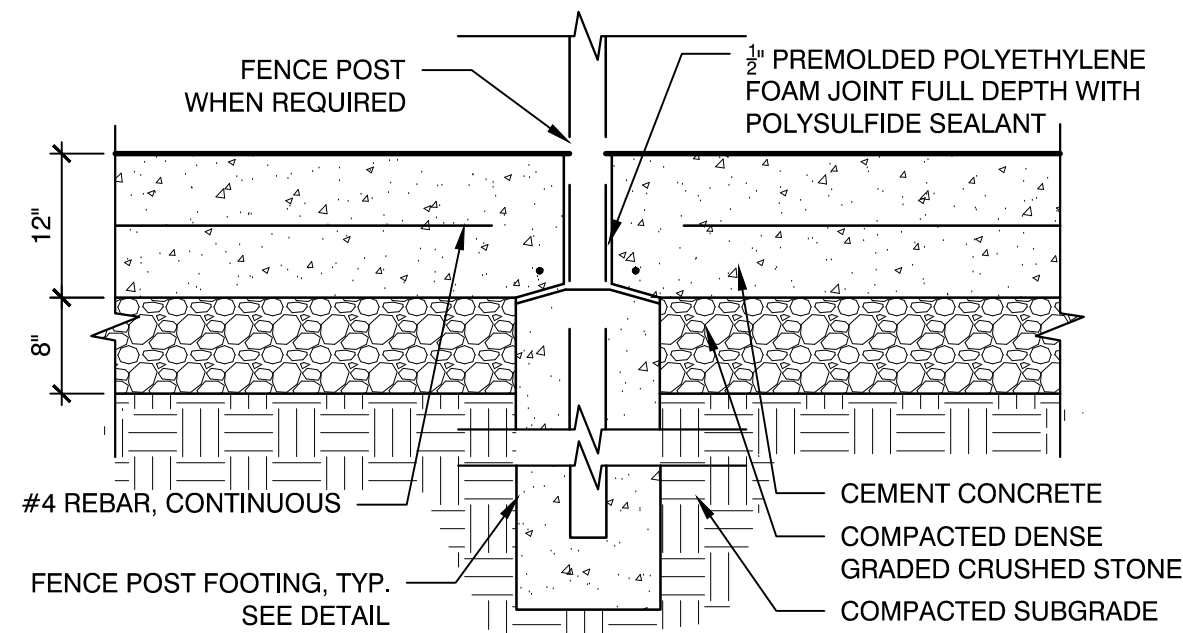
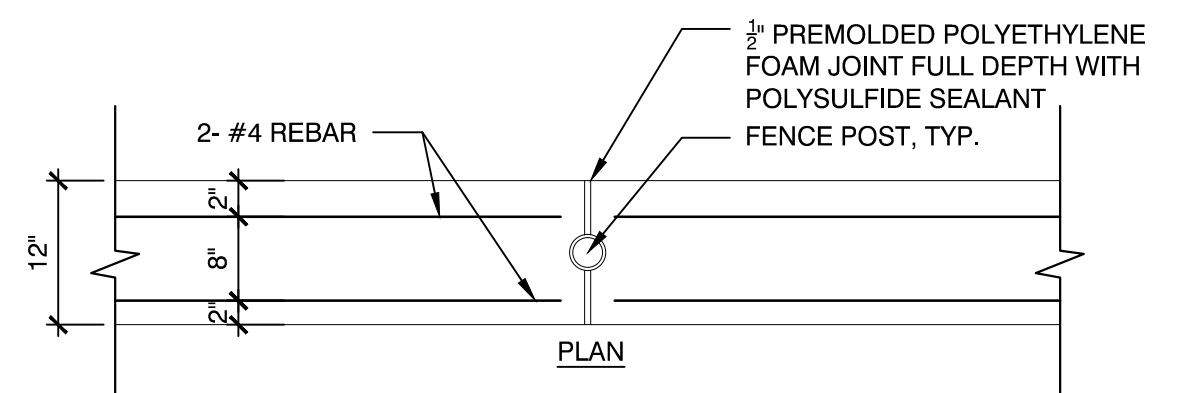
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Drawing Title:

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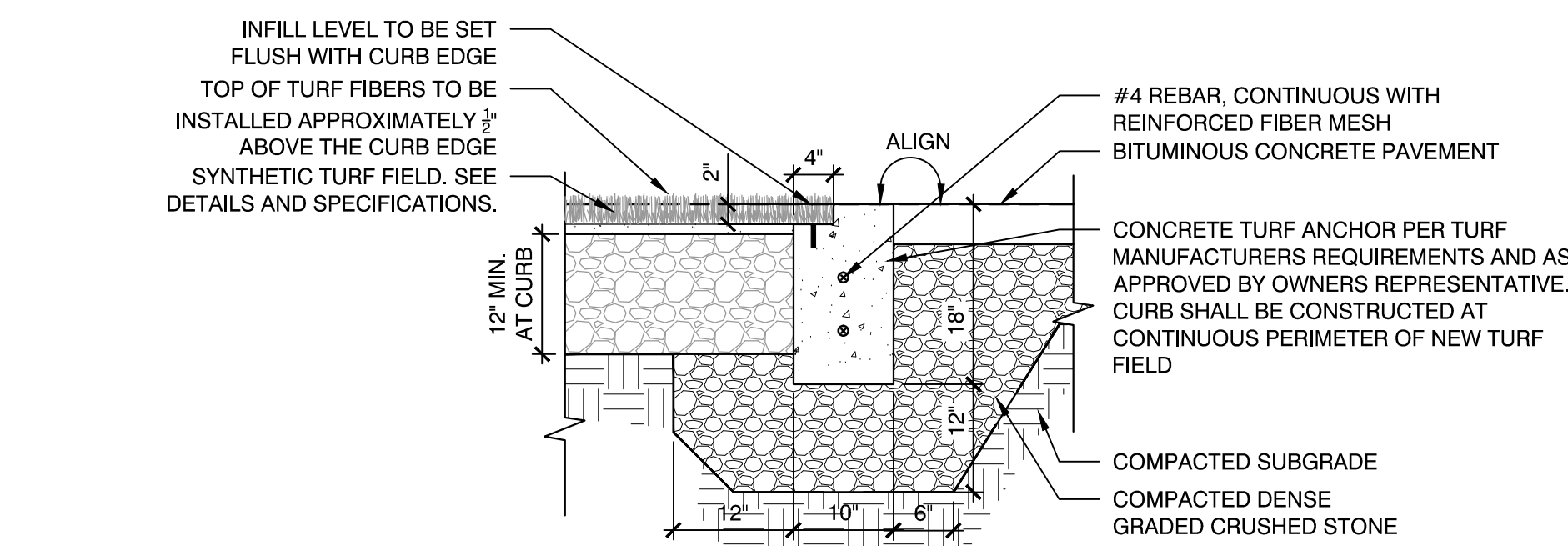
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L7.02



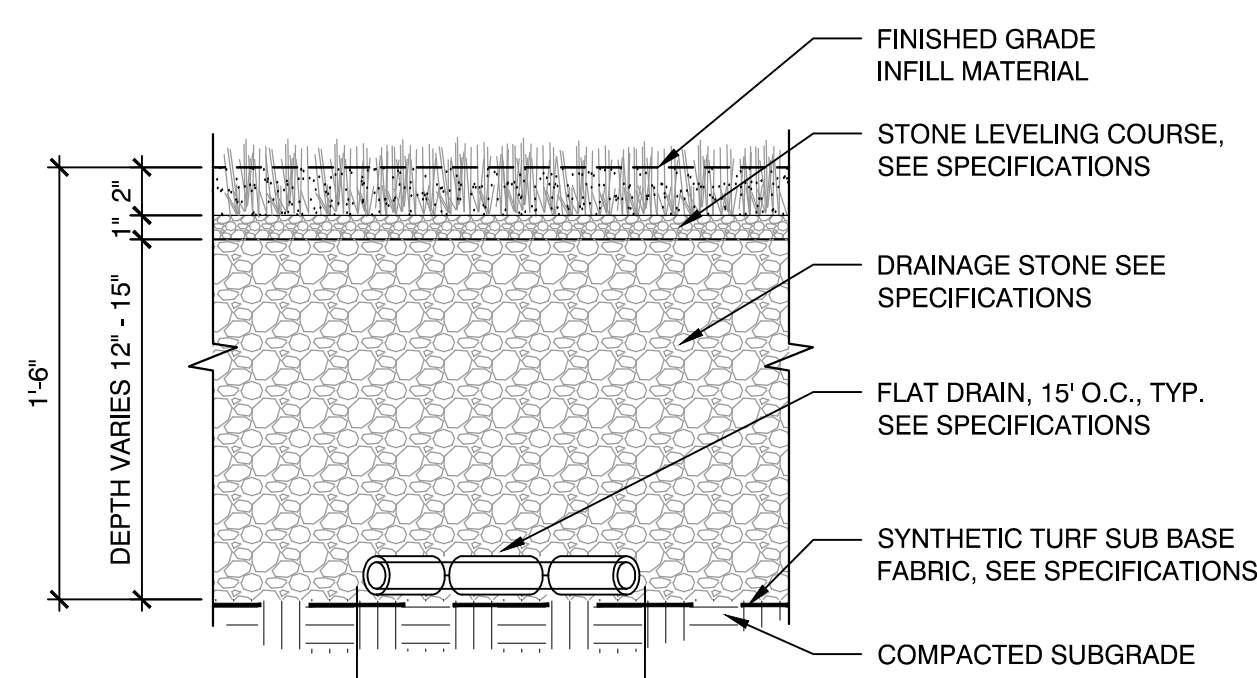
CONCRETE MOW CURB

- NOTES:
- MOW CURB CORNERS SHALL BE SQUARE AT ADJACENT SURFACE MATERIAL TO ENSURE SMOOTH INTERFACE BETWEEN MATERIALS.
 - MOW CURB CORNERS ADJACENT TO PLANTING BED OR LAWN AREAS WILL HAVE 3/8" CHAMFER.
 - CONTRACTOR SHALL PROVIDE 3/8" PREMOLDED POLYETHYLENE FOAM JOINT FULL DEPTH WITH SILICONE SEALANT EVERY 30' O.C. UNLESS OTHERWISE NOTED.



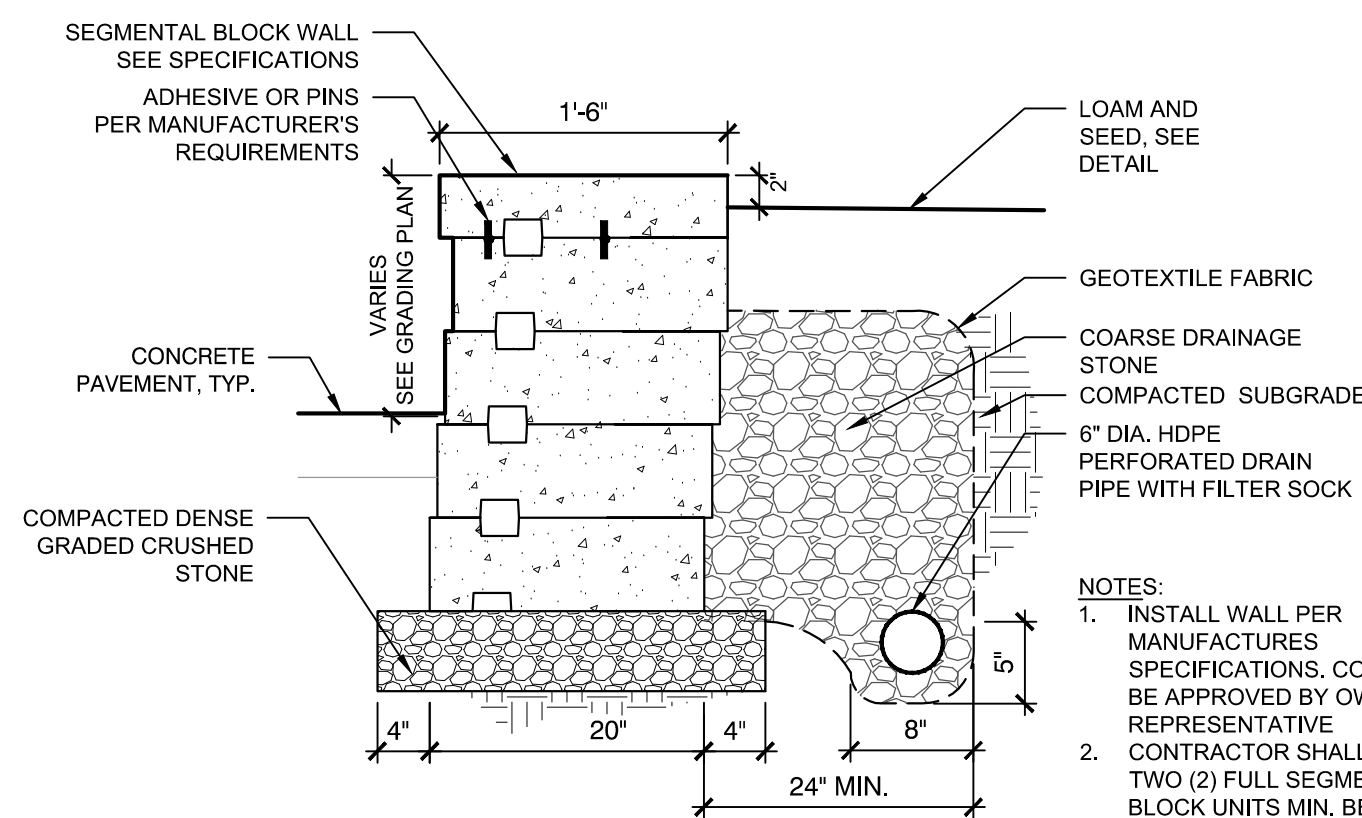
- NOTES:
- CONTRACTOR TO PROVIDE CONTROL JOINTS (PREFORMED OR SAWCUT) 10' O.C. MIN. 1/2" DEEP
 - CONTRACTOR TO PROVIDE EXPANSION JOINTS EVERY 40' O.C.
 - CONCRETE CURB TO BE 4,500 PSI AT 28 DAYS (AIR CONTENT 6% +/- 1%) (COARSE AGGREGATE ASTM C-33 SIZE #57)

1 CONCRETE TURF ANCHOR AT SYNTHETIC TURF FIELD - 2 CONDITIONS
SCALE: NTS



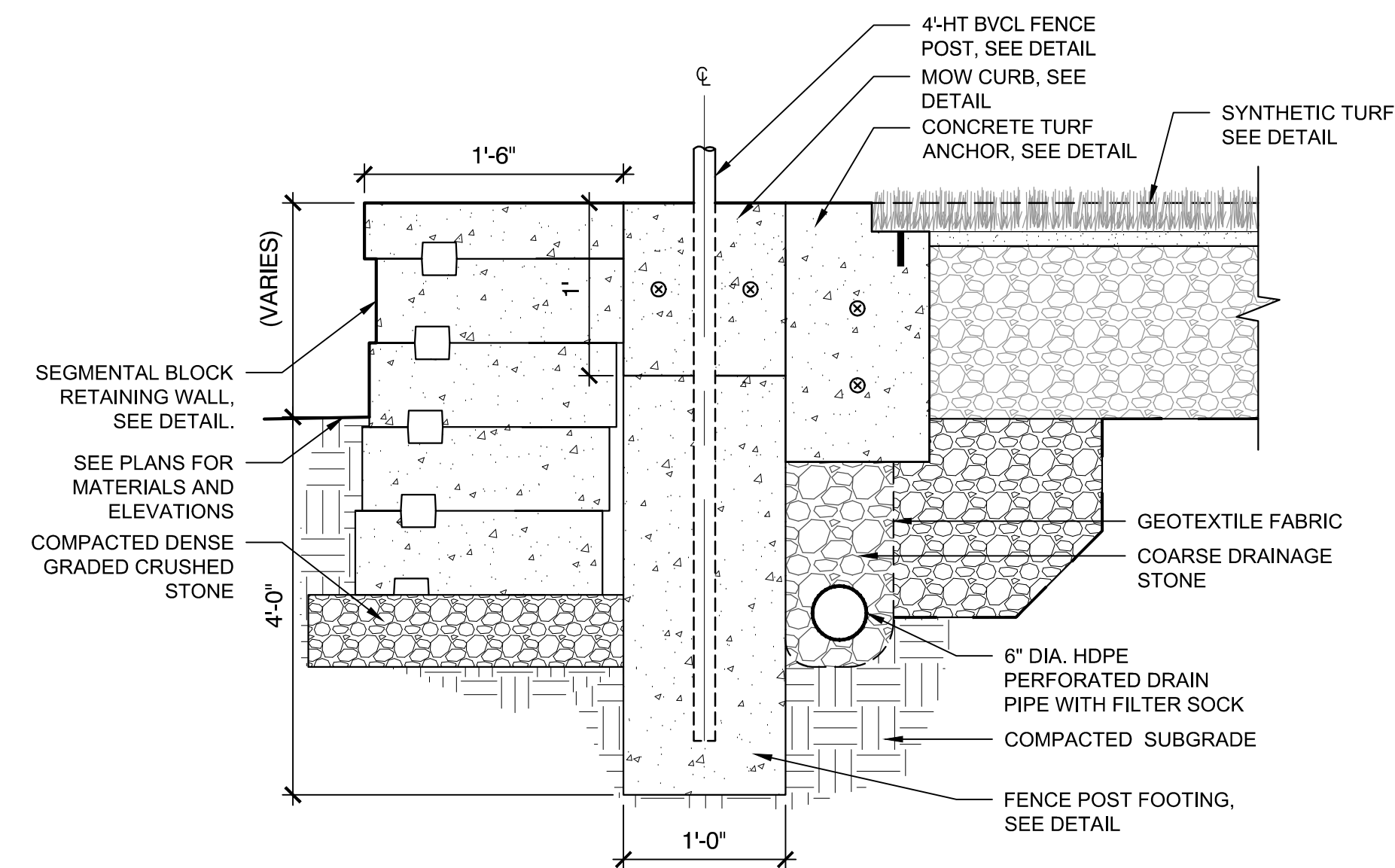
- NOTES:
- SUBGRADE ELEVATIONS TO FOLLOW SAME SLOPE AS FINISHED SURFACE ELEVATIONS WITHIN TURF LIMITS.
 - ABSOLUTELY NO SUBSTITUTIONS SHALL BE ALLOWED FOR BOTH THE STONE LEVELING COURSE AND DRAINAGE STONE WITHOUT A WRITTEN AND SIGNED DOCUMENT DIRECTLY FROM THE TURF MANUFACTURER. DOCUMENT SHALL STATE: THE MATERIAL IS AN ACCEPTABLE MATERIAL TO BE USED DIRECTLY UNDER THEIR TURF FIELD FABRIC AND THAT THE SUBSTITUTION MATERIAL PROVIDES THE SAME CHARACTERISTICS (DRAINAGE, STRUCTURAL INTEGRITY, PLAYABILITY, ETC.) AS THE MATERIALS SPECIFIED. FAILURE TO PROVIDE SUCH A DOCUMENT SHALL BE AT THE RISK AND COST OF THE CONTRACTOR.

2 SYNTHETIC TURF
SCALE: NTS



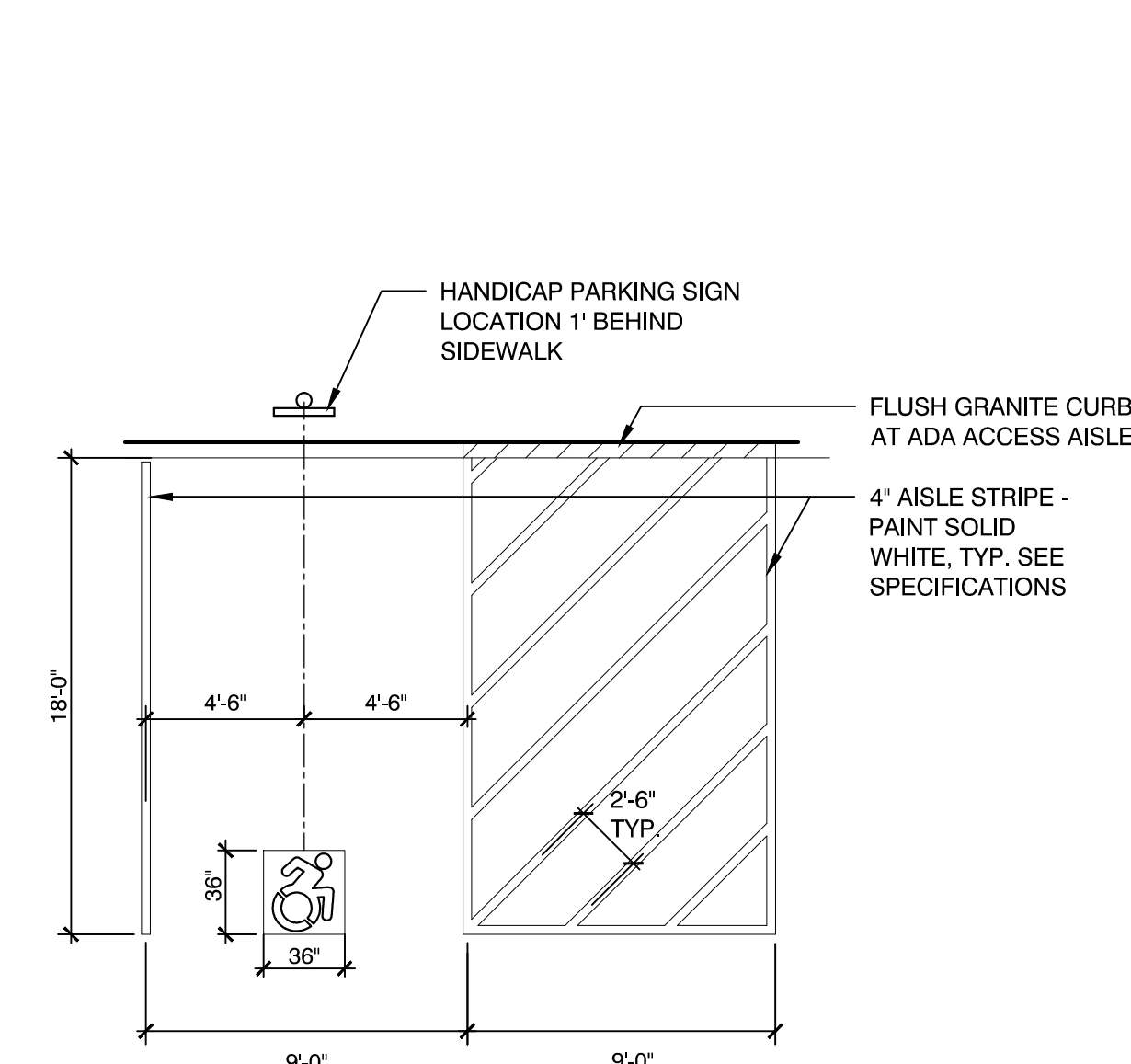
- NOTES:
- INSTALL WALL PER MANUFACTURER'S SPECIFICATIONS. COLOR TO BE APPROVED BY OWNERS REPRESENTATIVE
 - CONTRACTOR SHALL PROVIDE TWO (2) FULL SEGMENTAL BLOCK UNITS MIN. BELOW FINISHED GRADE. SEE GRADING PLAN.

3 SEGMENTAL BLOCK RETAINING WALL
SCALE: NTS



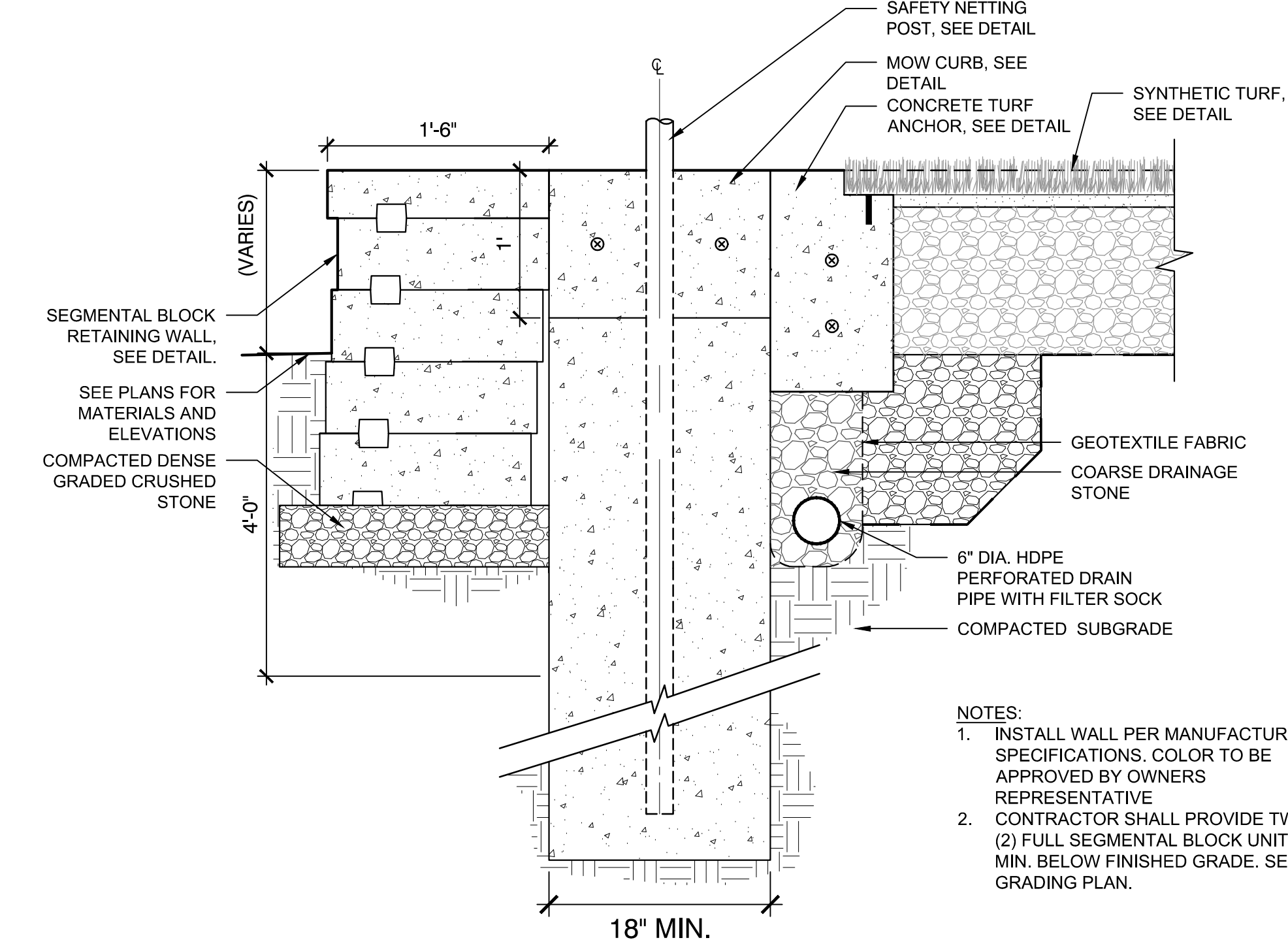
- NOTES:
- INSTALL WALL PER MANUFACTURER'S SPECIFICATIONS. COLOR TO BE APPROVED BY OWNERS REPRESENTATIVE
 - CONTRACTOR SHALL PROVIDE TWO (2) FULL SEGMENTAL BLOCK UNITS MIN. BELOW FINISHED GRADE. SEE GRADING PLAN.

4 BVCL FENCE POST AT SEGMENTAL BLOCK RETAINING WALL
SCALE: NTS



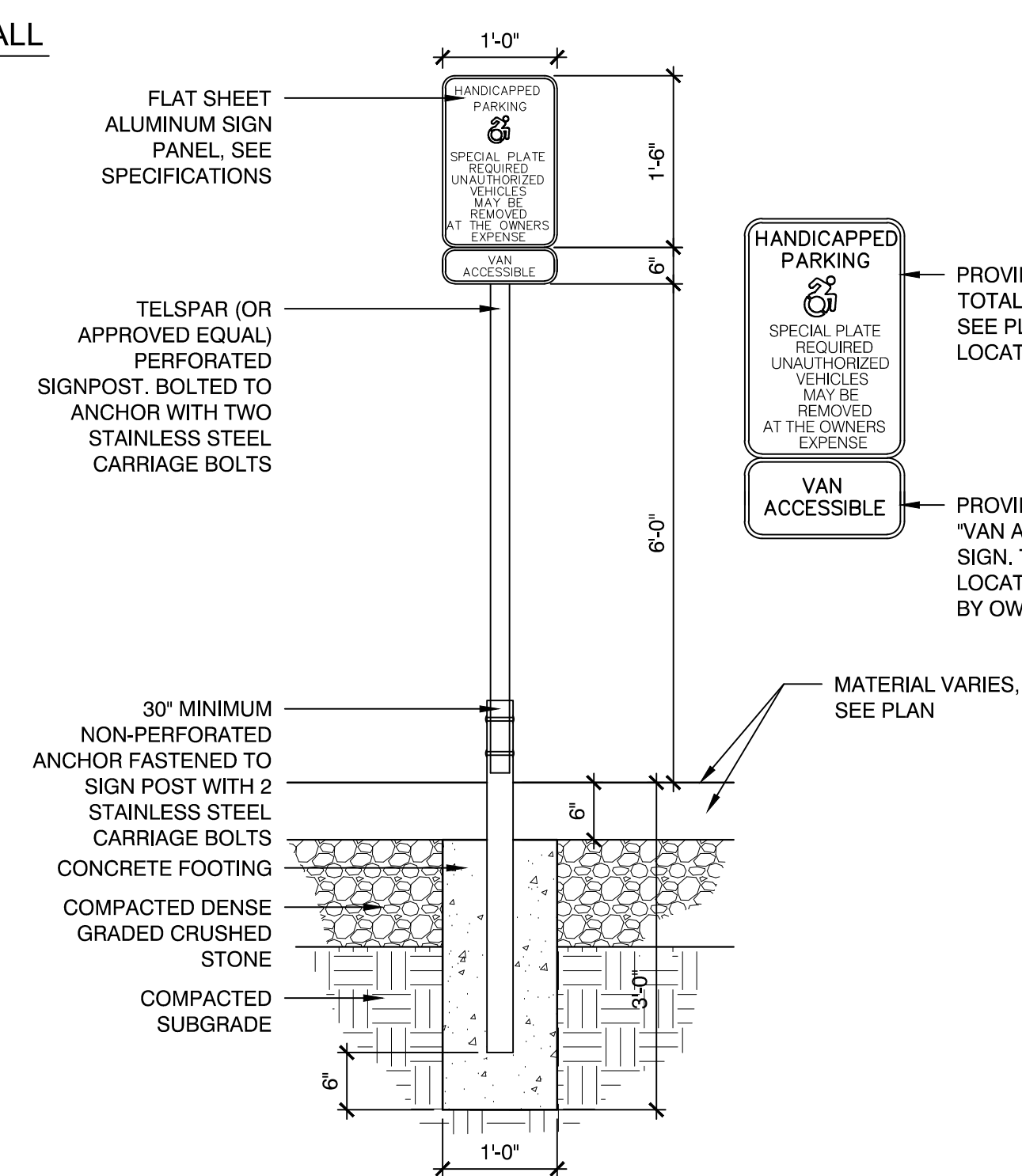
- NOTES:
- SEE SPECIFICATIONS FOR ALL PAVEMENT MARKINGS.
 - UNIVERSAL WHITE PAINTED ADA SYMBOL PLACED IN A BLUE PAINTED FIELD.

5 HANDICAP PARKING SPACE MARKING
SCALE: NTS



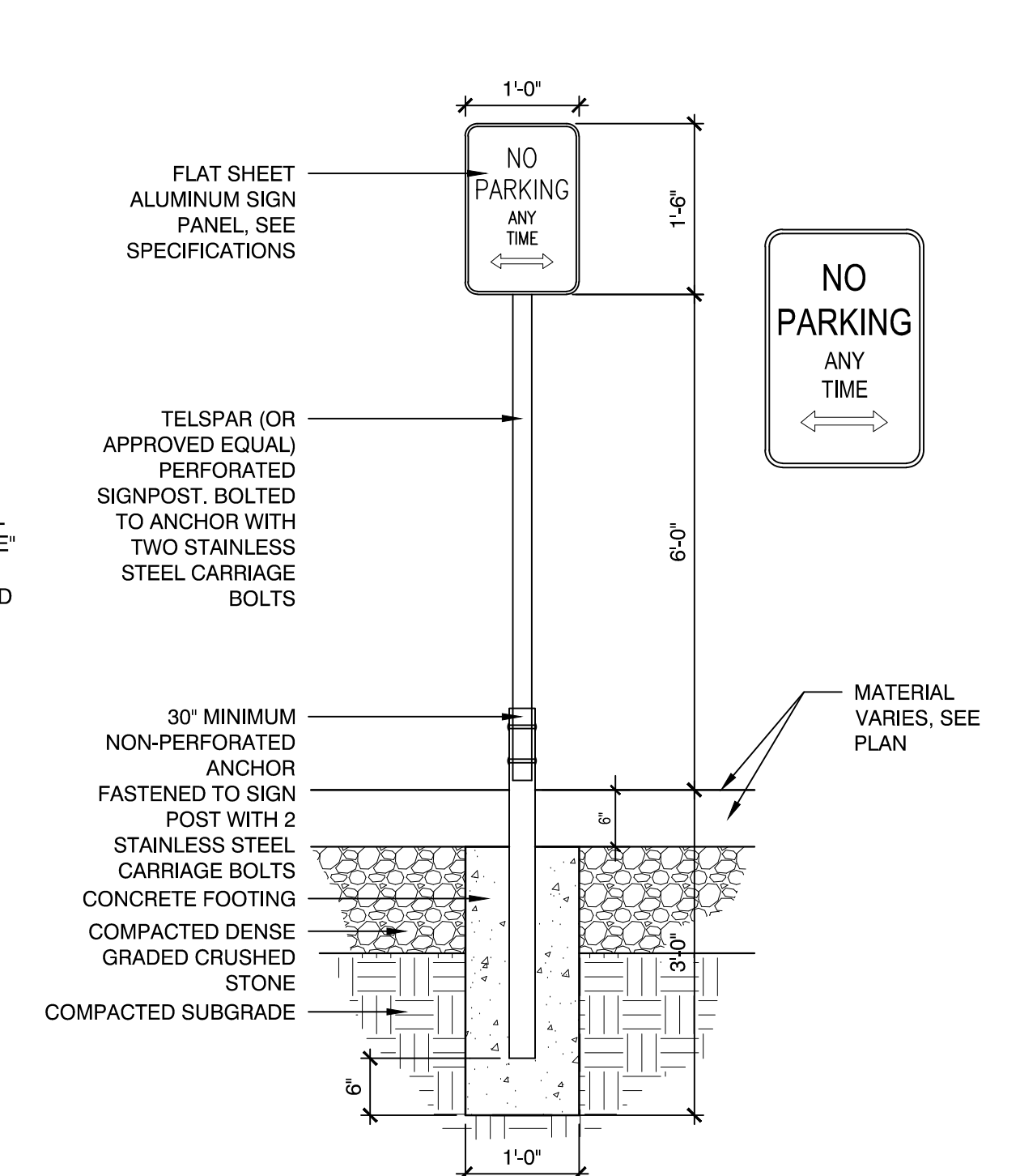
- NOTES:
- INSTALL WALL PER MANUFACTURER'S SPECIFICATIONS. COLOR TO BE APPROVED BY OWNERS REPRESENTATIVE
 - CONTRACTOR SHALL PROVIDE TWO (2) FULL SEGMENTAL BLOCK UNITS MIN. BELOW FINISHED GRADE. SEE GRADING PLAN.

6 SAFETY NETTING POST AT SEGMENTAL BLOCK RETAINING WALL
SCALE: NTS

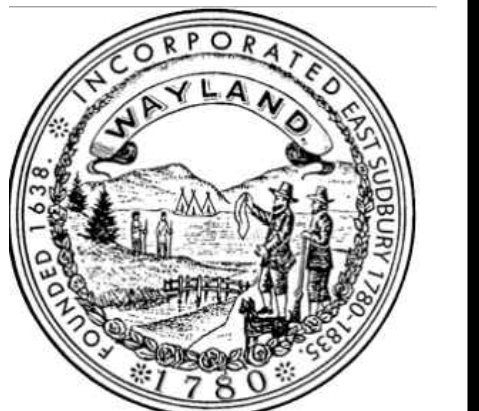


- PROVIDE 3 TOTAL SIGNS. SEE PLAN FOR LOCATION
- PROVIDE 2 TOTAL "VAN ACCESSIBLE" SIGN. TO BE LOCATED IN FIELD BY OWNER.
- MATERIAL VARIES. SEE PLAN

7 HANDICAP PARKING SIGN AND FOOTING
SCALE: NTS



8 "NO PARKING" SIGN AND FOOTING
SCALE: NTS



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Revisions:

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Drawing Title:

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DETAILS

Sheet Number:

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Approved By: ERB

W&S Project No: 2180076

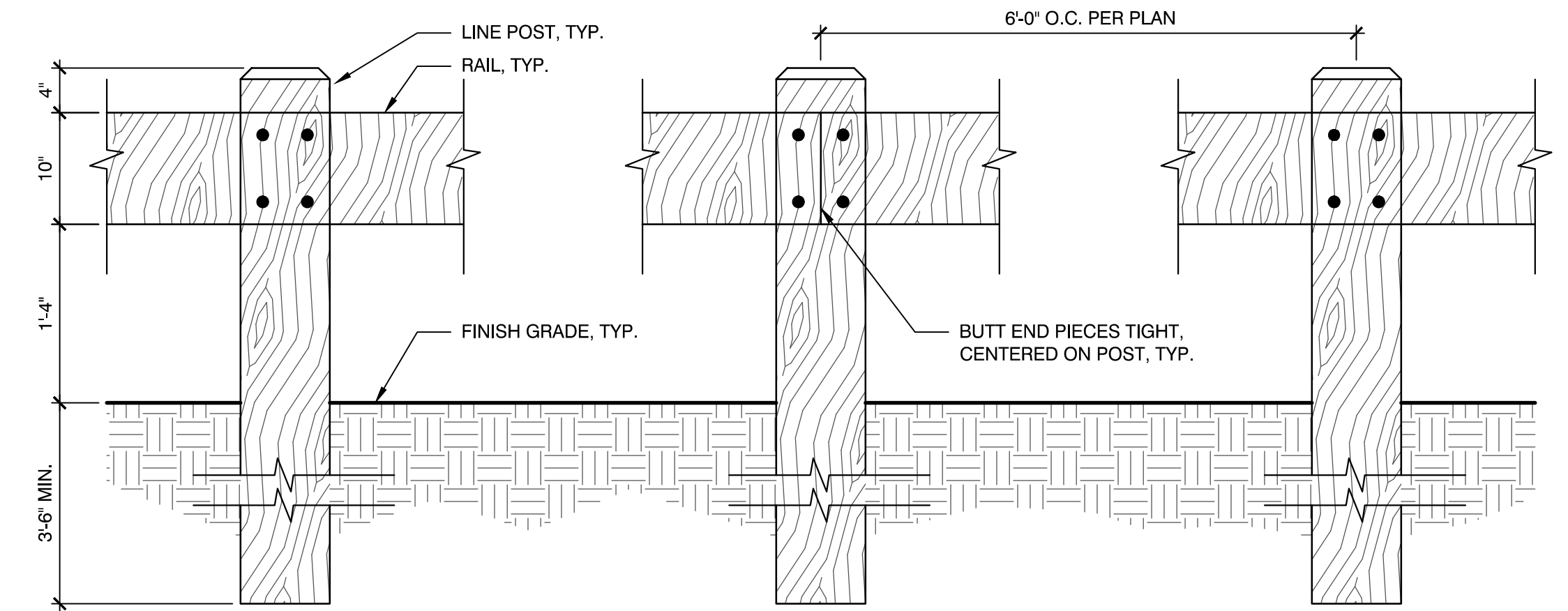
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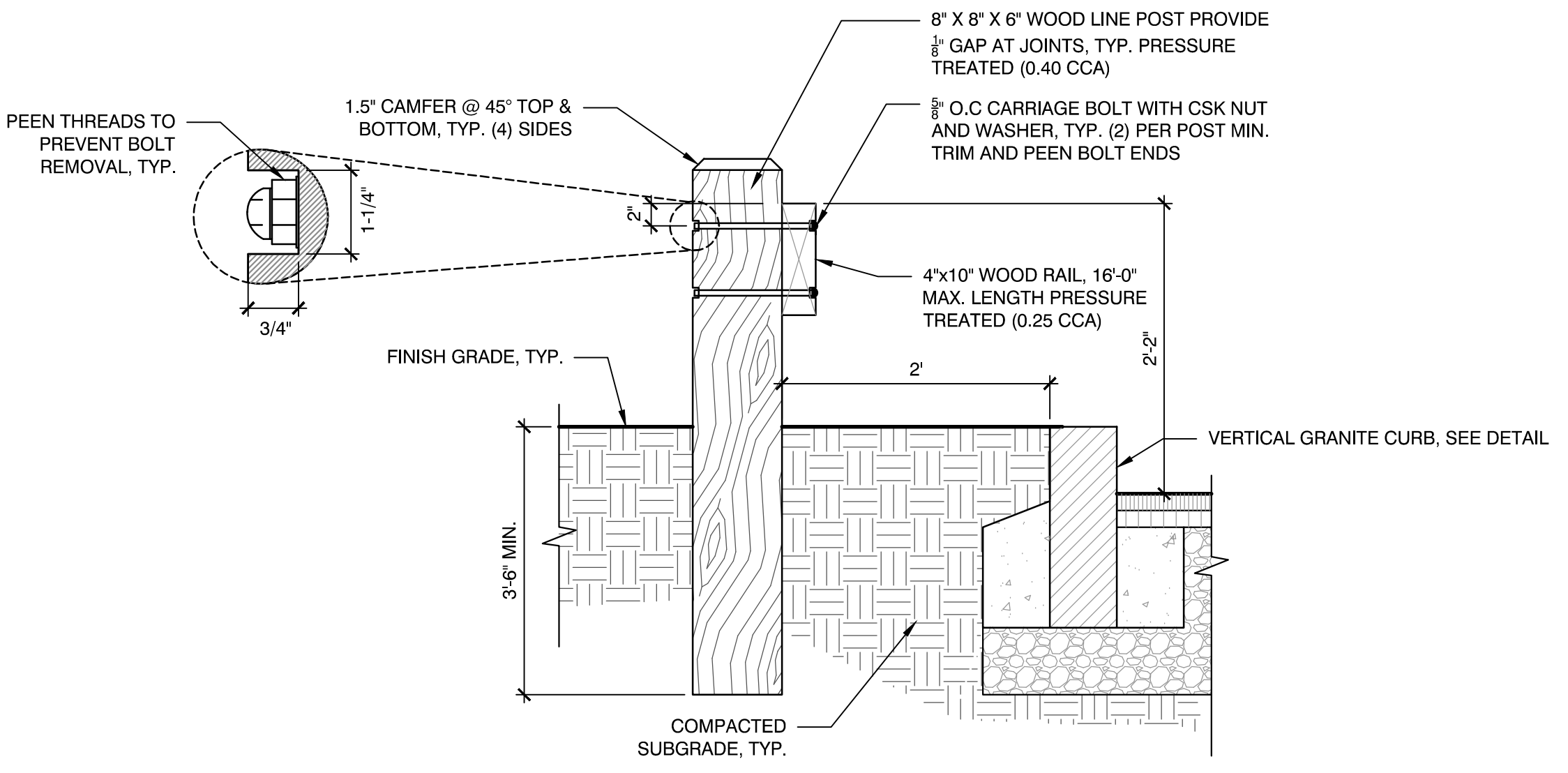
**CONSTRUCTION
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Sheet Number:

L7.06

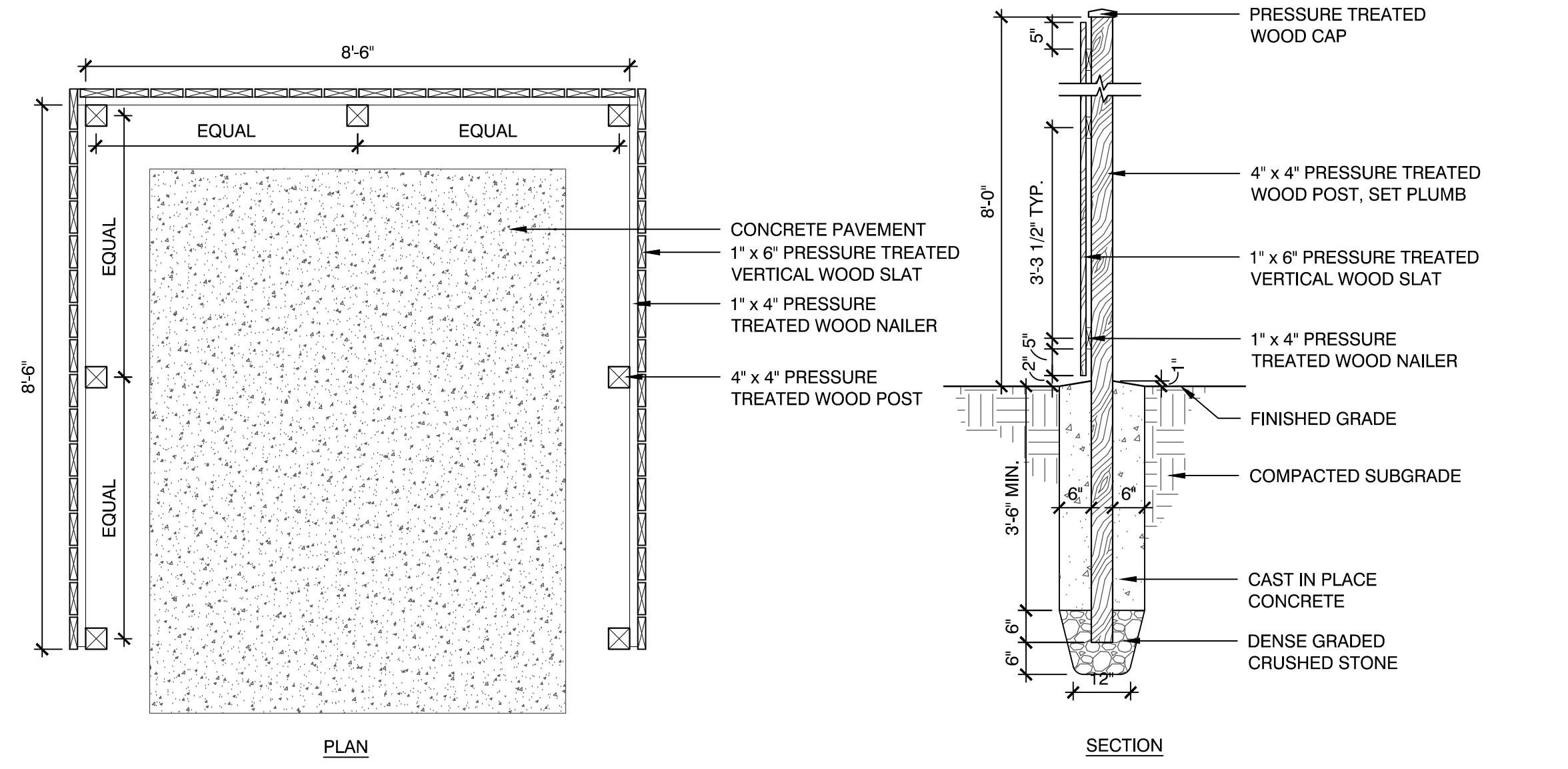


TYPICAL RAILING ELEVATION



RAILING SECTION AT BACK OF CURB

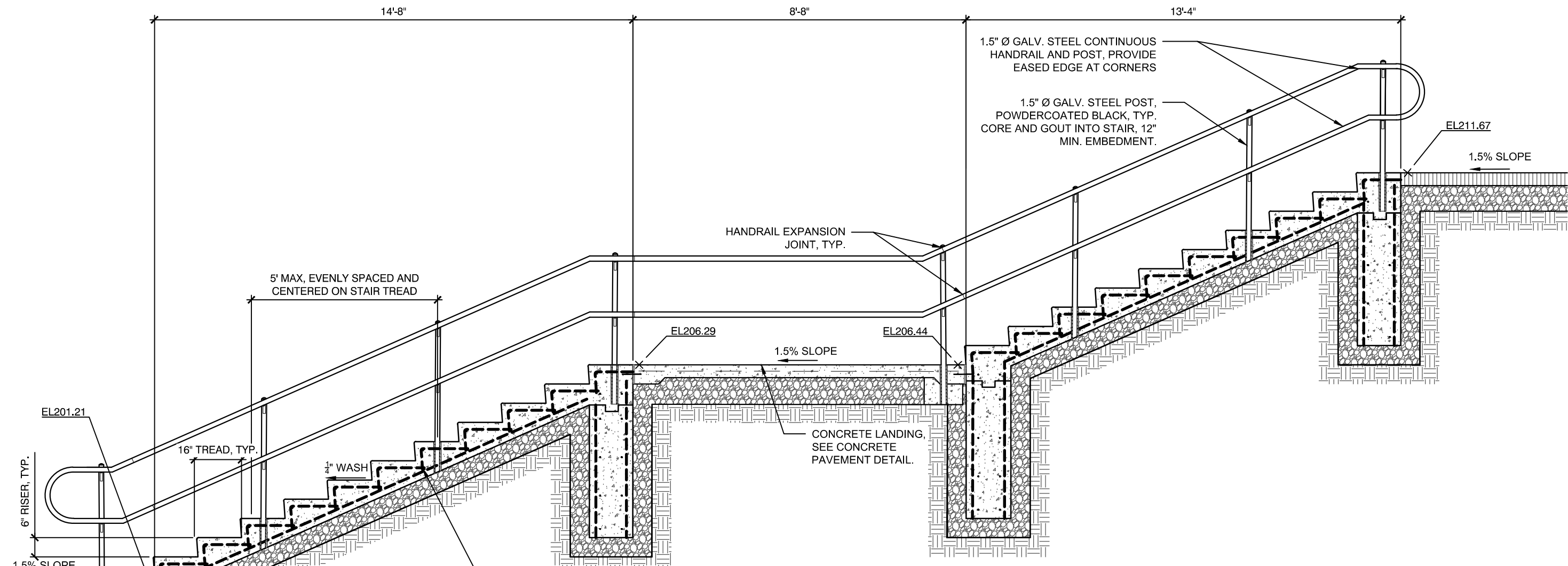
2 VEHICULAR WOOD GUARDRAIL
 SCALE: NTS



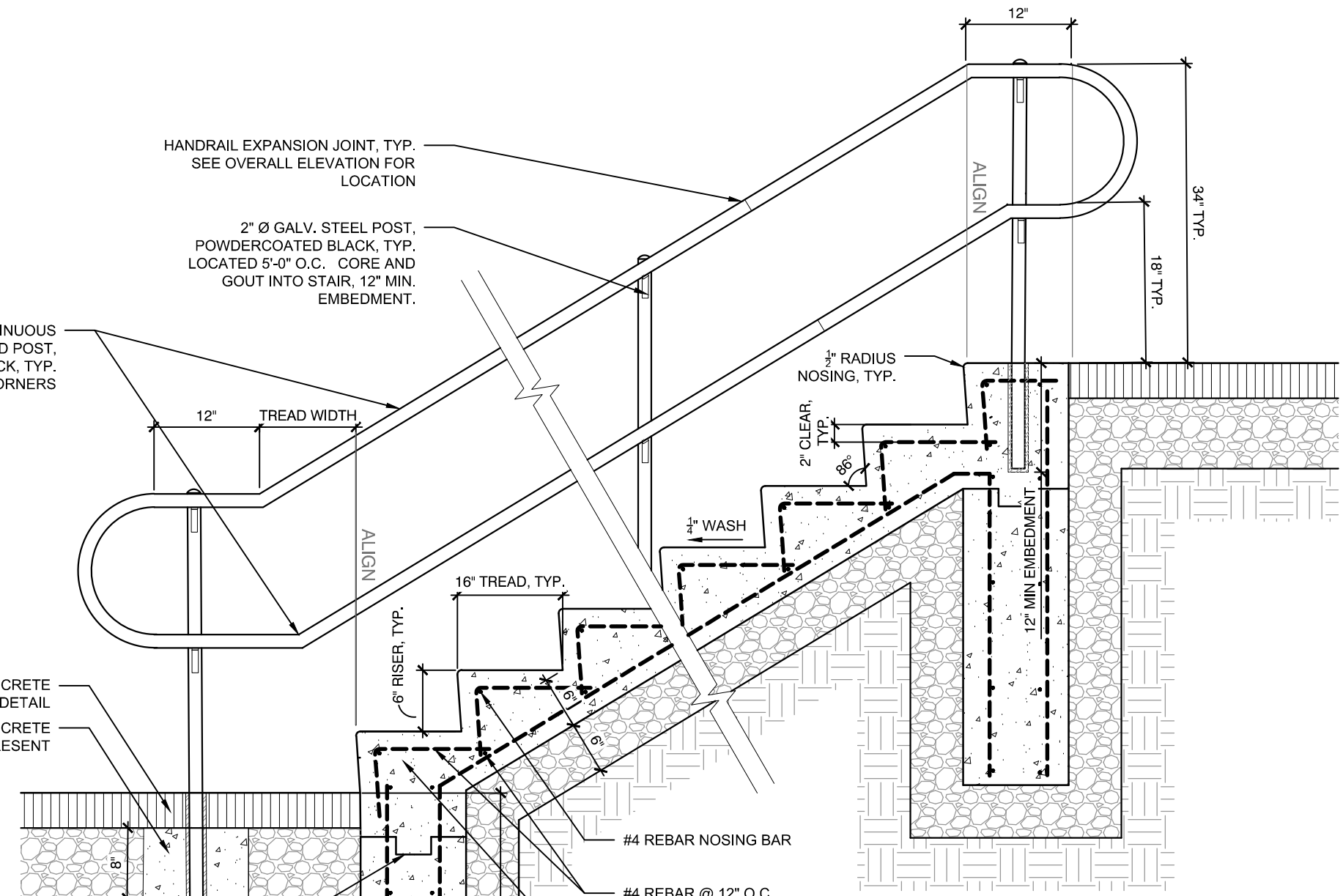
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SECTION

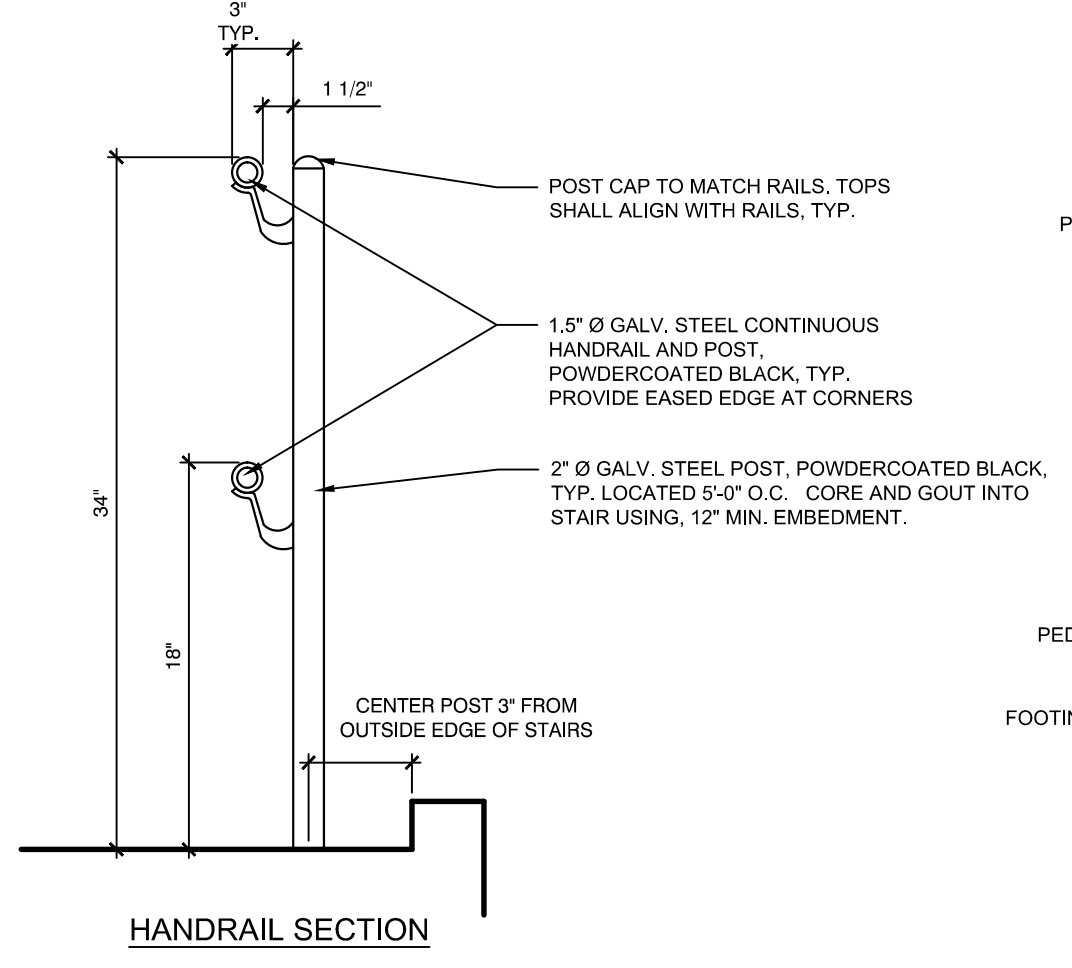
3 WOOD SLAT SCREEN FENCE
 SCALE: NTS



OVERALL STAIRWAY SECTION



STAIR DETAIL SECTION



HANDRAIL SECTION

NOTES:
 1. VERTICAL POSTS SHALL BE SET @ 5' MAXIMUM, EVENLY SPACED AND ALONG THE HORIZONTAL RAIL AND CENTERED ON TREADS, UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE DRAWINGS.
 2. CONTRACTOR SHALL SUBMIT LARGE SCALE SHOP DRAWINGS OF HANDRAILS AND ALL NECESSARY HARDWARE PER SPECIFICATIONS

2"X4" KEY, TYP.
 DENSE GRADED CRUSHED STONE, TYP
 4000 PSI CONCRETE FOOTING, TYP.
 #4 REBAR @ 12" O.C., BOTH DIRECTIONS
 COMPACTED SUBGRADE

NOTES:
 1. ALL HANDRAILS SHALL BE GALVANIZED STEEL, POWDERCOATED BLACK
 2. HANDRAILS SHALL BE CORE DRILLED AND SET WITH EPOXY GROUT. FILL CORED HOLES 5" WITH GROUT PRIOR TO INSERTING HANDRAIL POSTS, AND CLEAN ANY SPILL OVER. ALL WELDS SHALL BE GROUND DOWN CLEAN AND SMOOTH.
 3. ALL DIMENSIONS SHALL BE FIELD VERIFIED AND ADJUSTED AS NEEDED.

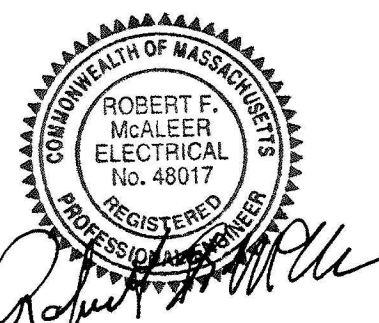
1 CAST IN PLACE CONCRETE STAIRS
 SCALE: NTS

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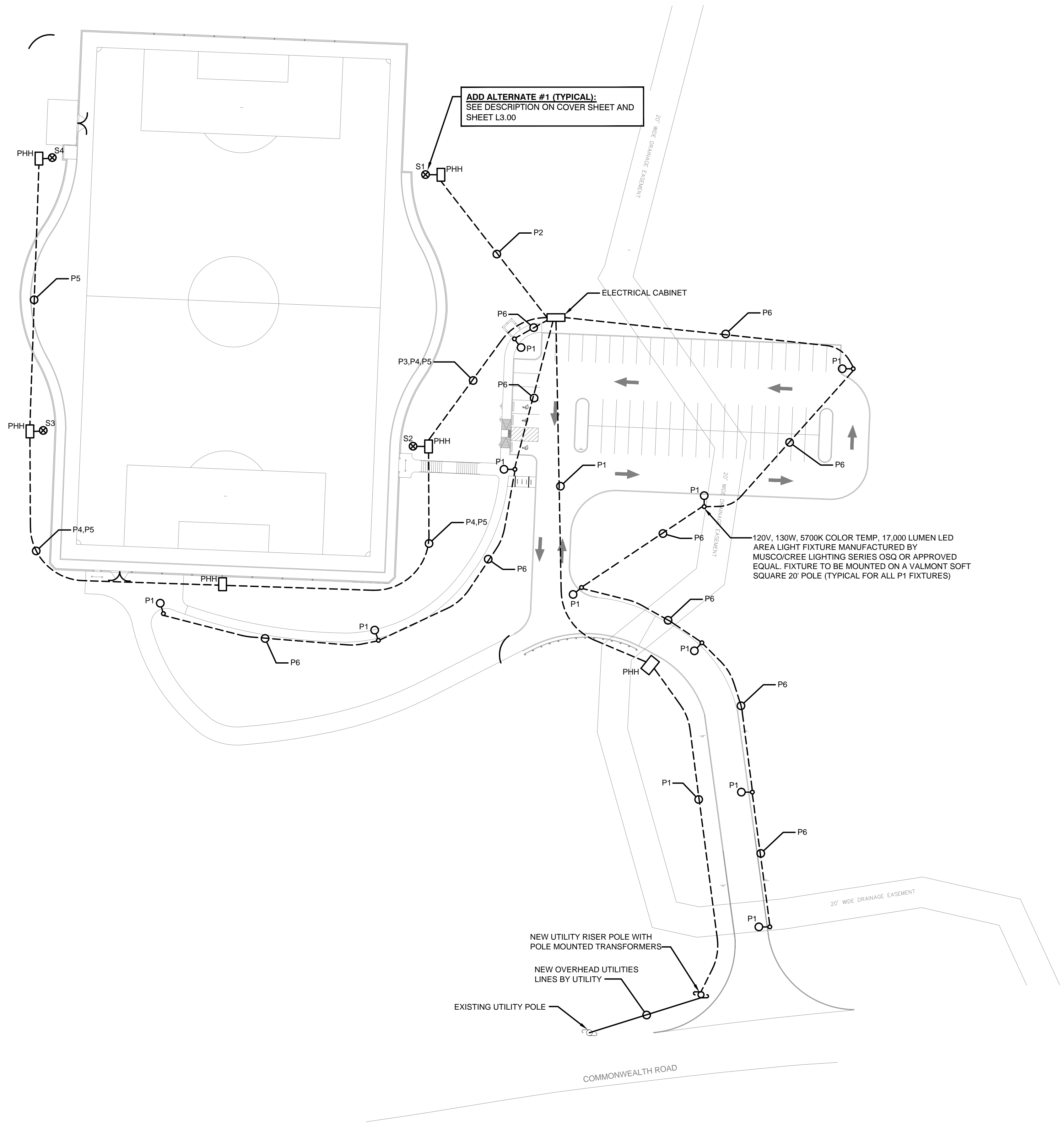
**ELECTRICAL
 SITE PLAN**

Sheet Number:

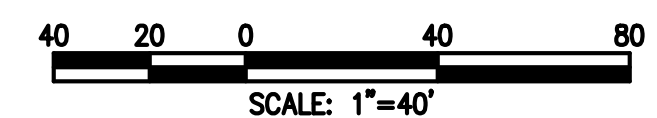
E1.00

CONDUIT & WIRING SCHEDULE								
CONDUIT	FEEDER	FROM	CONTACTOR NUMBER	TO	FIXTURES	LOAD	CONTACTOR SIZE	REMARKS
P1	2"C., 4#1 & 1#4GND	UTILITY TRANSFORMER	-	PANEL PPH2	-	100A	-	UNDERGROUND
P2	2"C., 3#10 & 1#10GND	MUSCO LIGHTING CONTROL CABINET NO.3 IN ELECTRICAL CABINET	C1	FIXTURE S1	6 @ 1150W	6.9 KW	30A	
P3	2"C., 3#10 & 1#10GND	MUSCO LIGHTING CONTROL CABINET NO.3 IN ELECTRICAL CABINET	C2	FIXTURE S2	6 @ 1150W	6.9 KW	30A	
P4	1"C., 3#8 & 1#8GND	MUSCO LIGHTING CONTROL CABINET NO.3 IN ELECTRICAL CABINET	C3	FIXTURE S3	6 @ 1150W	6.9 KW	30A	
P5	2"C., 3#8 & 1#8GND	MUSCO LIGHTING CONTROL CABINET NO.3 IN ELECTRICAL CABINET	C4	FIXTURE S4	6 @ 1150W	6.9 KW	30A	
P6	2"C., 2#6 & 1#8GND	PANEL PPL2 IN ELECTRICAL CABINET	-	PARKING LOT LIGHTING	-	-	-	VIA NEW TIME CLOCK ELECTRICAL CABINET

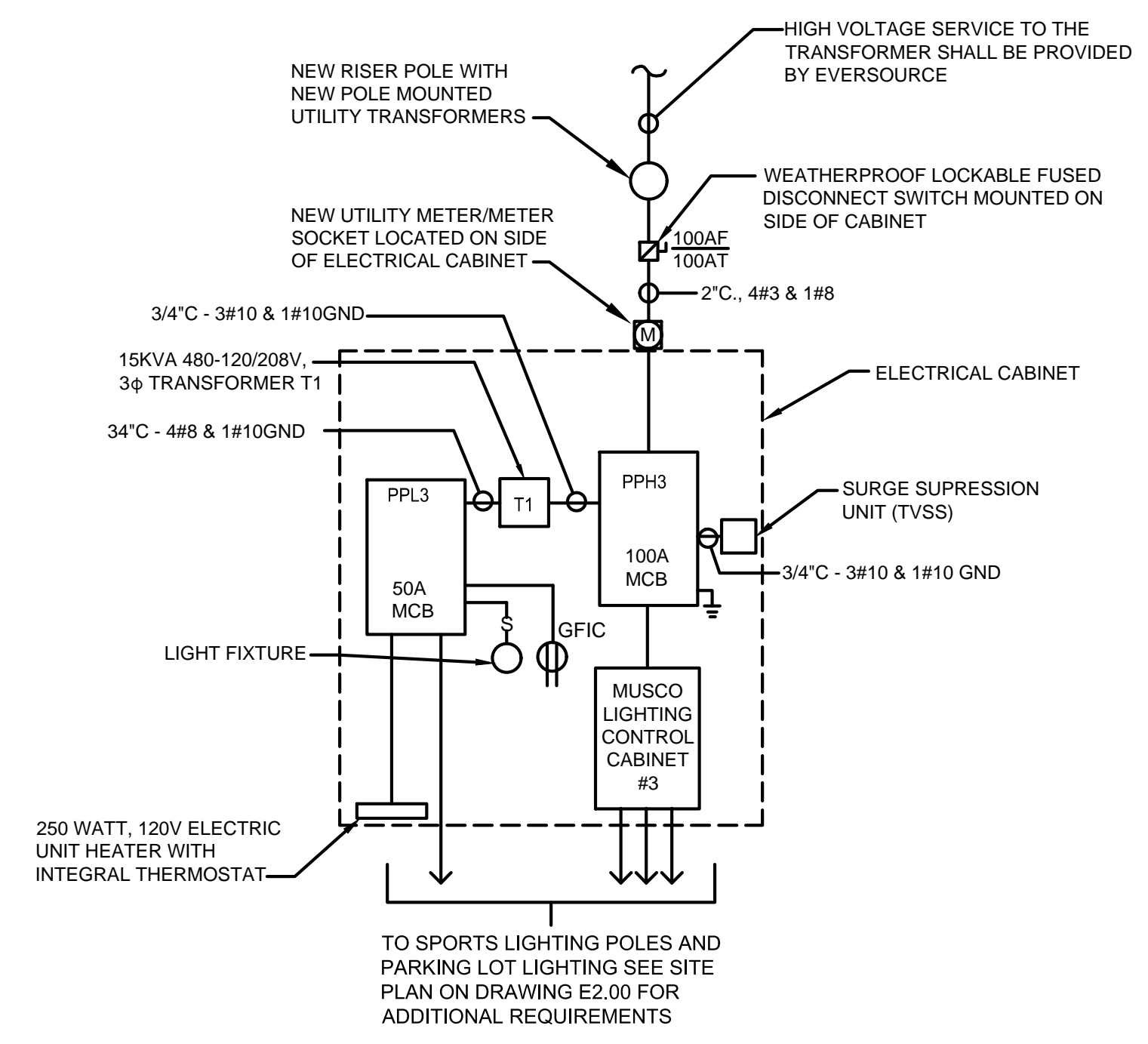
- DRAWING NOTES:**
- REFER TO DRAWING E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR DOWNSIZING FEEDERS AT ELECTRICAL DEVICES FOR CONNECTION IN FIELD. FEEDERS HAVE BEEN OVERSIZED FOR VOLTAGE DROP.
 - THE CONTRACTOR SHALL FURNISH & INSTALL A HANDHOLE AT EACH LIGHT POLE BASE FOR TRANSITIONING TO LIGHT POLE RISER CONDUIT. RUN CONDUIT UP POLE APPROXIMATELY 10' TO LIGHT POLE JUNCTION BOX. ADDITIONAL HANDHOLES SHALL BE INSTALLED AS REQUIRED TO FACILITATE THE INSTALLATION OF WIRING. HANDHOLES SHALL NOT BE INSTALLED ON FIELD.



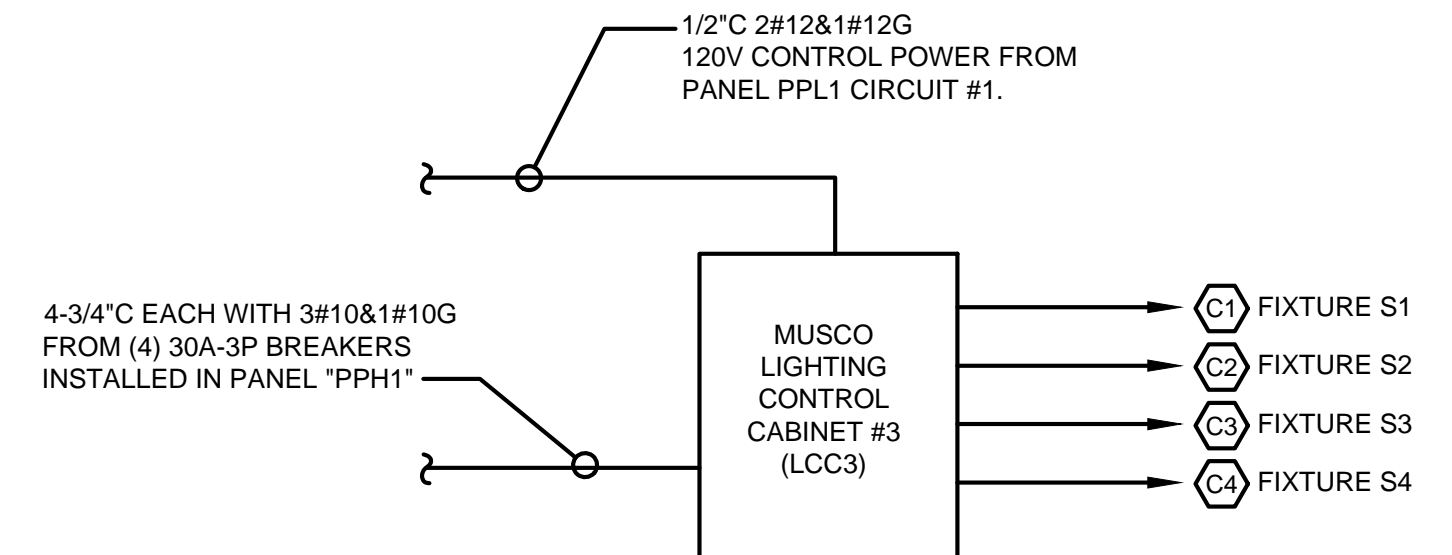
ELECTRICAL SITE PLAN
 SCALE: 1" = 40'-0"



SCALE: 1"=40'



ELECTRICAL ONE LINE DIAGRAM - LOKER
NOT TO SCALE



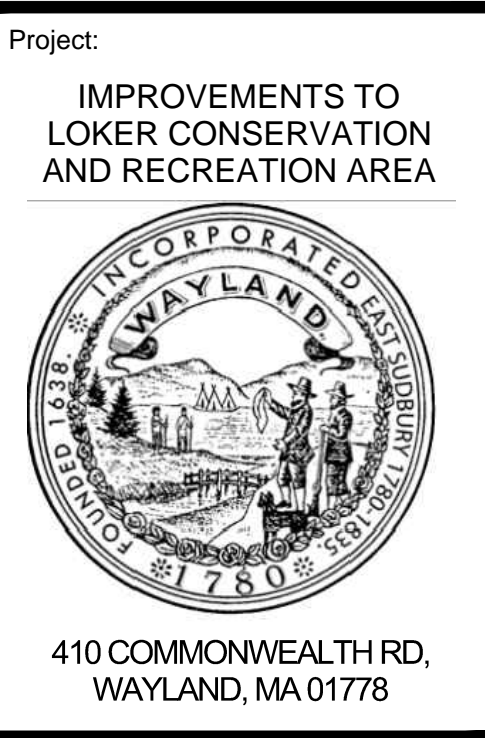
NOTES:

1. TYPICAL FOR CONTACTORS C1 THROUGH C4, CONTRACTOR SHALL RUN CONDUIT AND WIRING AS INDICATED IN SCHEDULE FROM EACH CONTACTOR TO DESIGNATED LIGHTING POLE. CONTRACTOR SHALL RUN CONDUIT TO 10'-0" AFG FOR CONNECTION TO POLE MOUNTED LIGHTING CONNECTION BOX.

SPORTS LIGHTING CONTROL CABINET DIAGRAM - LOKER
NOT TO SCALE

PANELBOARD SCHEDULE - LOKER										
DESIGNATION: PPH3		S.C. RATING: 22,000A RMS SYM.			REMARKS: SERVICE ENTRANCE RATED					
LOCATION: ELECTRICAL CABINET		SERVICE: 277/480V, 3Ø, 4W								
RATING: 100 AMPS		MOUNTING: SURFACE								
MAIN: 100 MCB										
CKT. NO.	LOAD DESIGNATION	BREAKER		PHASE			BREAKER		LOAD DESIGNATION	CKT. NO.
		TRIP	POLE	A	B	C	POLE	TRIP		
1		-								2
3	FIXTURE POLE S1/CONTACTOR C1	30						30	FIXTURE POLE S2/CONTACTOR C2	4
5		-						-		6
7		-						-		8
9	FIXTURE POLE S3/CONTACTOR C3	30						30	FIXTURE POLE S4/CONTACTOR C4	10
11		-						-		12
13		-						20	SPARE	14
15	15KVA CABINET TRANSFORMER	50						20	SPARE	16
17		-						20	SPARE	18
19	SPARE	20						20	SPARE	20
21	SPARE	20						20	SPARE	22
23	SPARE	20						20	SPARE	24
25	SPARE	20						20	SPARE	26
27	SPARE	20						20	SPARE	28
29	SPARE	20						20	SPARE	30

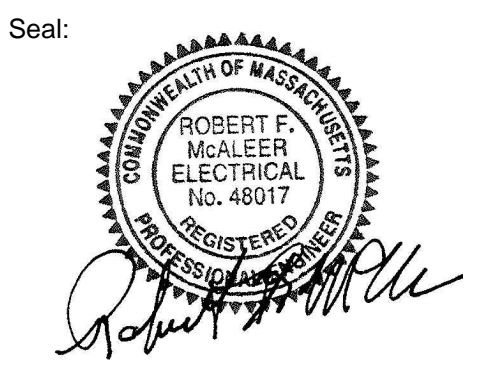
PANELBOARD SCHEDULE - LOKER										
DESIGNATION: PPL3		S.C. RATING: 10,000A RMS SYM.			REMARKS:					
LOCATION: ELECTRICAL CABINET		SERVICE: 120/208V, 3Ø, 4W								
RATING: 100 AMPS		MOUNTING: SURFACE								
MAIN: 50A MCB										
CKT. NO.	LOAD DESIGNATION	BREAKER		PHASE			BREAKER		LOAD DESIGNATION	CKT. NO.
		TRIP	POLE	A	B	C	POLE	TRIP		
1	LIGHTING IN ELECTRICAL CABINET	20						20	ELECTRIC HEATER IN ELECTRICAL CABINET	2
3	RECEPTACLE IN ELECTRICAL CABINET	20						20	PARKING LOT LIGHTING	4
5	SPARE	20						20	SPARE	6
7	SPARE	20						20	SPARE	8
9	SPARE	20						20	SPARE	10
11	SPARE	20						20	SPARE	12



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Drawing Title:
ELECTRICAL ONE LINE DIAGRAMS AND SCHEDULES
Sheet Number:
E2.00

