

# Dover HS / Career Technical Center

25 Alumni Drive, Dover, NH

VOLUME 1 OF 4

## Joint Building Committee:

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Jason Gagnon, City Councilor  
Sarah Greenshields, City Councilor  
Amanda Russell, School Board Representative  
Matthew Severson PE, School Citizen Representative  
Mark Guether, City Citizen Representative

## Dover School/CTC District Participants:

Elaine Arbour, Superintendent, Dover Public Schools  
Peter Driscoll, Principal, Dover HS & Career Technical Center  
Louise Paradis, Director, Career Technical Center  
Libby Simmons, Business Administrator, Dover Public Schools  
Jeffrey White, Facilities Director

## HMFH Architects, Inc. / Architect

Halvorson Design Partnership, Inc / Landscape Architect

Nobis Engineering / Civil Engineering

Foley, Buhl, Roberts Associates, Inc. / Structural Engineers

Garcia, Galuska & DeSousa Consulting Engineers, Inc. / MEP, FP Engineers

Kalin Associates, Inc. / Specifications Consultant

McPhail Associates, LLC / Geotechnical & Geoenvironmental Engineers

Crabtree McGrath Associates, Inc./ Food Service & Equipment Consultants

Cavanaugh Tocchi Associates, Inc. / Acoustical & Theatrical Consultants

## PC Construction Company / Construction Manager

# 100% CONFORMED SET - FOR CONSTRUCTION

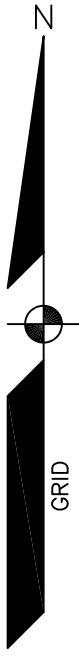
## CONSTRUCTION SET

September 12th, 2016



The 100% Conformed Set - For Construction drawings are a compilation of the original August 12, 2016 100% Construction Documents, published Addenda's A & B, and other specific changes communicated by PC Construction during the bidding period. These conformed drawings were prepared for convenience only. The completeness and/or accuracy of the information is not guaranteed; any inconsistencies found do not alter the Contract Documents which consist of 100% Construction Documents dated 8/12/2016, published addenda's A & B, and specific changes communicated by PC Construction during bidding period

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KNOX MARSH ROAD (ROUTE 155)

FOOTBRIDGE LANE  
TRESTLE WAY

BELLAMY PARK ROAD

CATARACT AVE

BELLAMY RESERVOIR

SPALDING TURNPIKE RAMP

SHEET X1.1

SHEET X1.1

SHEET X1.2

SHEET X1.3

BELLAMY RIVER

BELLAMY ROAD

DALEY DRIVE

LISA BETH CIRCLE

LISA BETH DRIVE

ALUMNI DRIVE

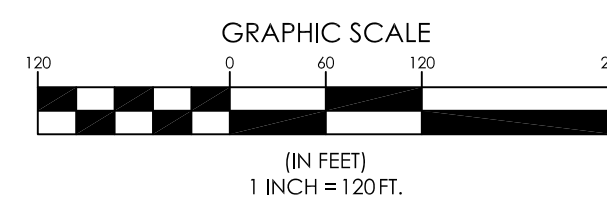
THE GARRISON

DURHAM ROAD (ROUTE 108)

SHEET X1.4

COLD SPRINGS ROAD

HEMLOCK FOREST



### SHEET INDEX

SHEET	DESCRIPTION
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X1.1	WEST OF BELLAMY ROAD
X1.2	HIGH SCHOOL NORTH
X1.3	MIDDLE SCHOOL
X1.4	HIGH SCHOOL SOUTH
X1.5	NOTES

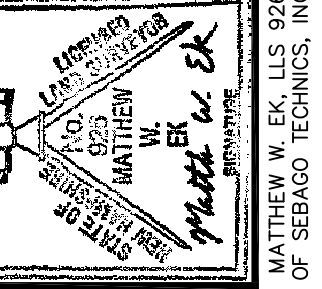
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676-18(II)

3/11/2016 *Matthew W. Ek*  
DATE MATTHEW W. EK, LLS 926  
LICENSED LAND SURVEYOR

H  
M  
F  
H

HMFH ARCHITECTS  
130 Blinnip Alan Drive  
Cambridge, MA 02139  
617.482.2300  
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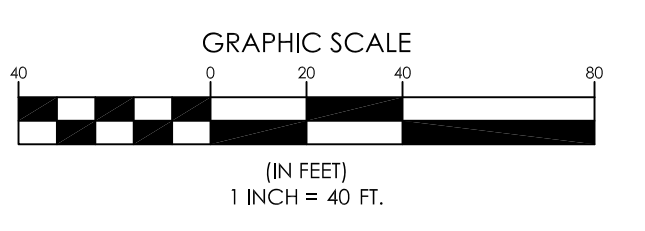
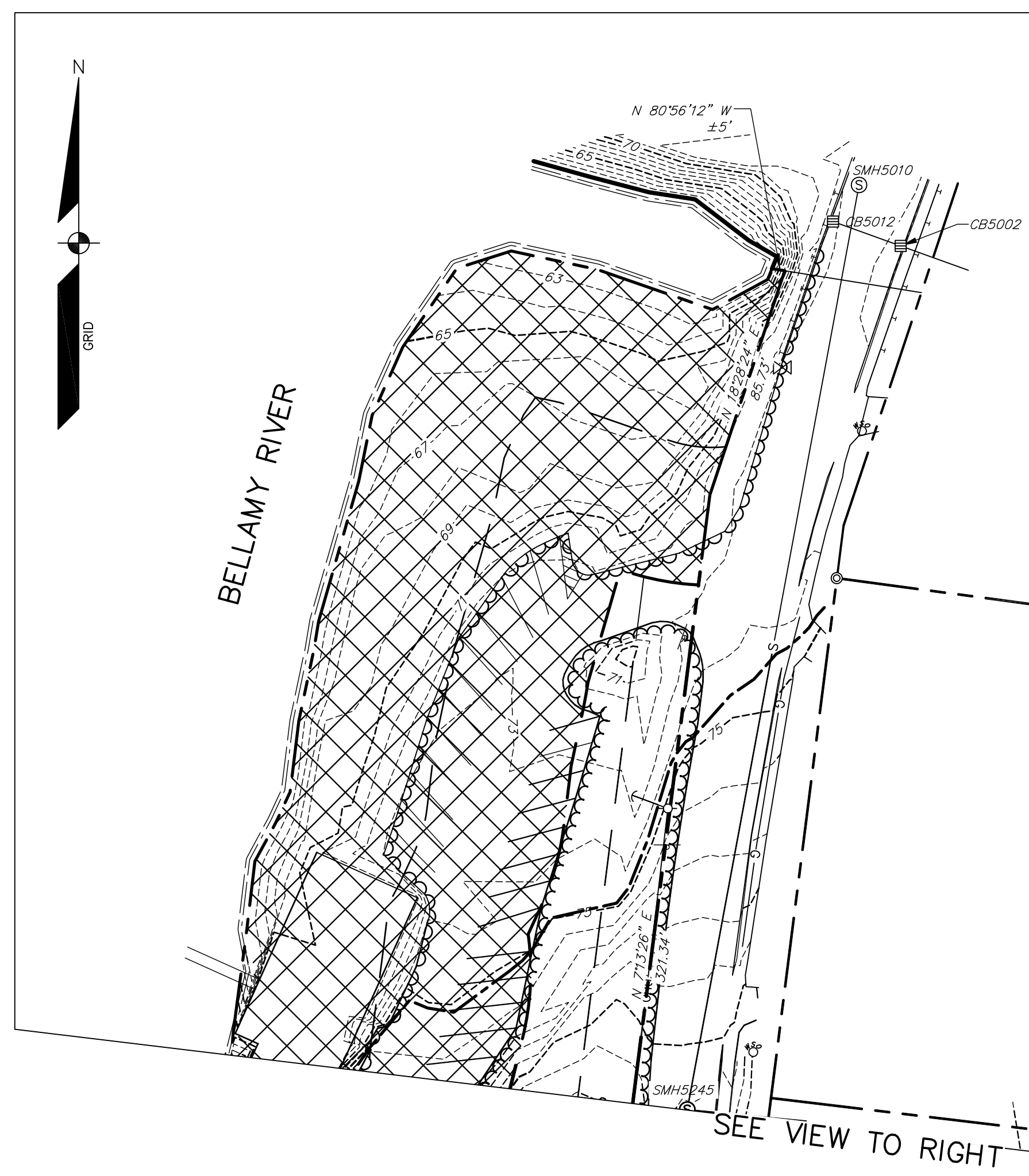
SEBAGO  
INCORPORATED  
75 John Roberts Rd.  
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Tel: 207-260-2100

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D	MWE	2/19/16	REVISED TILE BLOCK AND UTILITIES PER ADDITIONAL UTILITY INFORMATION PROVIDED
C	MWE	1/20/16	REVISED TILE BLOCK AND UTILITIES PER ADDITIONAL UTILITY INFORMATION PROVIDED
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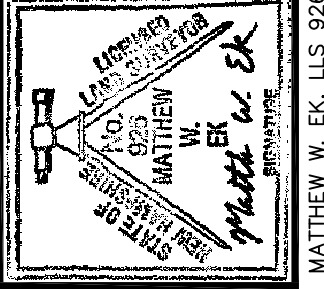
Dover HS / Career Technical Center  
Dover, NH  
Boundar Survey - Cover Sheet  
DRAWN BY: MWE CHECKED BY: MWE

14480C-000 - TAB X1.0  
DRAWING NUMBER  
**X1.0**  
JOB NUMBER 40314



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M  
F  
H

HMFH ARCHITECTS  
130 Blimp Alton Drive  
Cambridge, MA 02139  
617.482.2300  
hmfh@hmfh.com

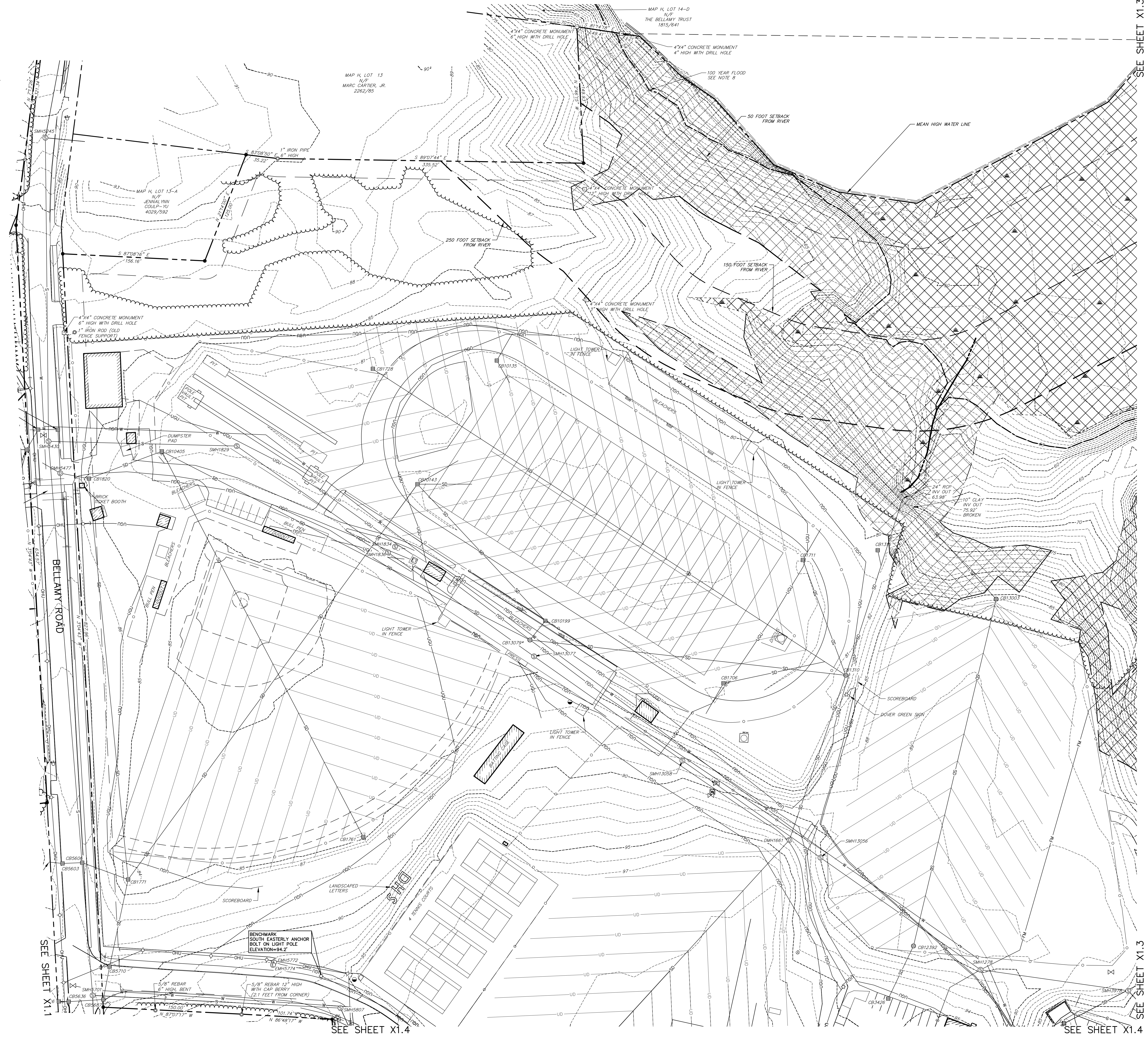
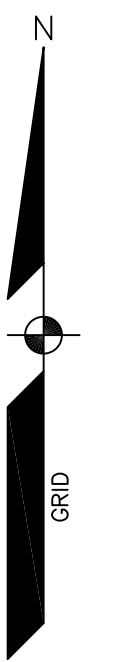


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C: 11/16/16 REVISION PER UTILITY DYE & SMOKE TESTS TO FIND AND VERIFY PIPES  
B: 11/16/16 REVISION PER CLIENT REVIEW COMMENTS  
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X1.1  
JOB NUMBER 40314

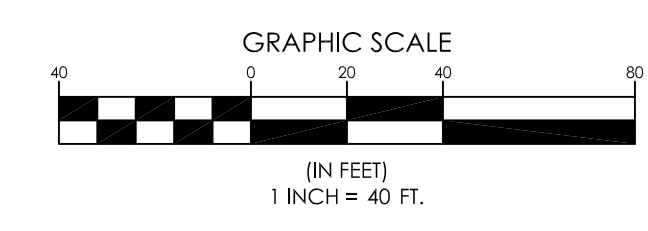


SEE SHEET X1.3

SEE SHEET X1.1

SEE SHEET X1.4

SEE SHEET X1.4



**14480C-000 - TAB X1.2**

**Dover HS / Career Technical Center**  
Dover, NH  
**Boundar Survey**

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**SEBAGO**  
100 SEBAGO TECHNICAL CENTER  
75 John Roberts Rd. South Portland, ME 04106  
Tel: 207-200-2100

**HMFH ARCHITECTS**  
130 Blimp Alan Drive  
Cambridge, MA 02139  
Tel: 617-462-2200  
www.hmfh.com

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D	MWE	2/19/16	REVISED TITLE BLOCK AND UTILITIES PER ADDITIONAL UTILITY INFORMATION PROVIDED
C	MWE	1/20/16	REVISED PER UTILITY DYE & SMOKE TESTS TO FIND AND VERIFY PIPES
B	MWE	1/23/16	REVISED PER CLIENT REVIEW COMMENTS
A	MWE	2/17/15	REVISED TO CLIENT FOR REVIEW

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**X1.2**

JOB NUMBER 40314



SEE SHEET X1.3  
SEE SHEET X1.4

14480C.dwg - TAB X1.3

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Dover, NH  
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1:14480C.dwg - TAB X1.3

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DRAWN BY: MWE  
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 E MWE 3/11/16 REVISED TITLE BLOCK AND UTILITIES PER ADDITIONAL UTILITY INFORMATION PROVIDED  
 D MWE 2/19/16 REVISED PER UTILITY DYE & SMOKE TESTS TO FIND AND VERIFY PIPES  
 C MWE 1/29/16 REVISED PER UTILITY DYE & SMOKE TESTS TO FIND AND VERIFY PIPES  
 B MWE 1/24/16 REVISED PER CLIENT REVIEW COMMENTS  
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SEBAGO ARCHITECTS  
130 Blimp Alton Drive  
Cambridge, MA 02139  
617.482.2300  
info@sebagotech.com

SEBAGO TECHNICS, INC.  
75 John Roberts Rd.  
South Portland, ME 04106  
Tel: 207-290-2100

SEBAGO ARCHITECTS  
130 Blimp Alton Drive  
Cambridge, MA 02139  
617.482.2300  
info@sebagotech.com

14480C.dwg - TAB X1.3

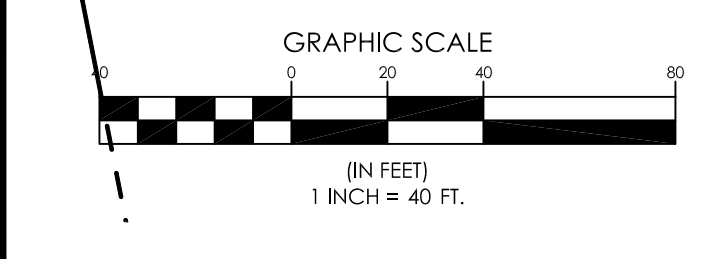
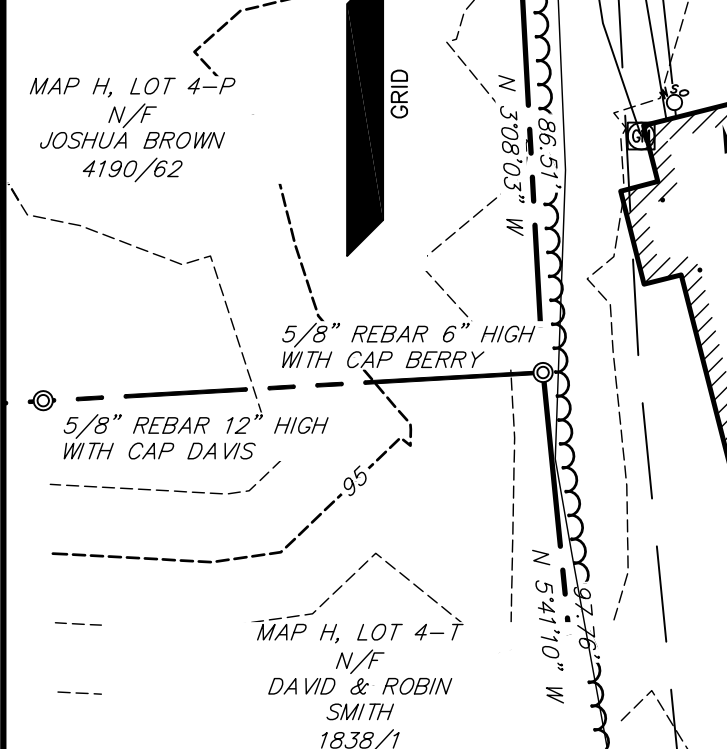
**X1.3**

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SEE SHEET X1.2

SEE SHEET X1.3



**HMFH**

**HMFH ARCHITECTS**  
130 Blinnwood Drive  
Cambridge, MA 02139  
617.452.2300  
hmfh@hmfh.com

**SEBAGO**  
100 SEBAGO DRIVE  
75 John Roberts Rd.  
South Portland, ME 04240  
Tel: 207-290-2100

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 D. I.M.W. 2/7/16 REVISED TILE BLOCK AND UTILITIES PER ADDITIONAL UTILITY INFORMATION PROVIDED  
 C. I.M.W. 1/20/16 REVISED PER UTILITY DYE & SMOKE TESTS TO FIND AND VERIFY PIPES  
 B. I.M.W. 1/20/16 REVISED PER CLIENT REVIEW COMMENTS  
 A. I.M.W. 2/7/16 REVISED TO CLIENT FOR REVIEW

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Dover HS / Career Technical Center  
Dover, NH  
**Boundar Survey**

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14480C-000 TAB X1.4  
DRAWING NUMBER  
**X1.4**  
JOB NUMBER 40314

STRUCTURE TABLE

Point #	Rim Elevation	Invert In/Out	Pipe Elevation	Pipe Size	Pipe Direction	(N=12)	Comments
1082 CB	76.30	OUT	70.60	12	HDPE	1	
		SUMP	67.80	0	NONE	NONE	ON DIRT
1208 CB	78.03	OUT	69.43	12	HDPE	10	
		IN	69.48	12	HDPE	2	
		SUMP	66.73	0	NONE	NONE	ON DIRT
1278 MH	89.77	OUT	79.57	12	RCP	10	
		IN	79.47	12	RCP	5	
		IN	80.17	4	PVC	2	
		IN	79.57	6	PVC	3	
		IN	77.01	6	PVC	8	
		SHELF	66.76	0	NONE	NONE	
1310 CBR	80.31	OUT	67.71	24	RCP	12	
		IN	67.81	18	RCP	8	
		IN	74.01	8	VT CLAY	9	
		IN	76.96	6	VT CLAY	11	
		IN	79.00	8	VT CLAY	6	
		SUMP	79.00	0	NONE	NONE	
1316 CB	79.00	OUT	77.40	6	VT CLAY	6	
		SUMP	74.70	0	NONE	NONE	ON DIRT
1475 CB	76.80	OUT	70.70	12	HDPE	4	
		IN	72.40	6	PVC	8	
		SUMP	67.80	0	NONE	NONE	ON DIRT
1517 CB	76.56	OUT	71.26	12	HDPE	8	
		IN	72.01	4	HDPE	5	
		SUMP	68.46	0	NONE	NONE	ON DIRT
1581 CB	74.93	OUT	67.98	12	HDPE	8	
		IN	67.93	12	HDPE	3	
		IN	67.83	12	HDPE	11	
		IN	70.33	4	HDPE	1	
		SUMP	93.14	0	NONE	NONE	ON DIRT
1661 DMH	93.14	OUT	85.74	8	VT CLAY	11	
		IN	90.49	8	VT CLAY	5	
		SUMP	84.14	0	NONE	NONE	ON DIRT
1706 CB	80.46	OUT	76.96	6	VT CLAY	2	
		IN	77.56	6	PVC	7	
		SUMP	76.76	0	NONE	NONE	ON DIRT
1711 CB	80.46	OUT	76.86	8	VT CLAY	5	
		IN	78.76	4	PVC	1	
		SUMP	74.11	0	NONE	0	ON DIRT
1728 CB	79.99	OUT	77.19	8	VT CLAY	3	
		IN	78.24	4	HDPE	11	
		SUMP	75.54	0	NONE	NONE	ON DIRT
1761 CB	83.86	OUT	80.26	12	RCP	9	
		SUMP	78.86	0	NONE	NONE	BLOCK CONSTRUCTION
1771 CB	83.46	OUT	79.61	15	RCP	11	
		IN	81.36	4	METAL	1	PERFORATED
		IN	80.11	12	RCP	10	
		SUMP	79.66	15	RCP	6	
		SUMP	84.81	0	NONE	NONE	ON DIRT
1798 CB	84.81	OUT	82.71	12	HDPE	3	
		IN	82.76	8	HDPE	8	
		SUMP	81.41	0	NONE	NONE	ON DIRT
1800 CB	84.99	OUT	82.89	8	HDPE	5	CB IS SMALL PLASTIC
		IN	82.89	8	HDPE	9	
		SUMP	81.89	0	CONC	NONE	
1820 CB	84.10	OUT	76.45	18	RCP	2	
		IN	77.50	15	RCP	6	
		IN	77.80	12	RCP	9	
		SUMP	76.30	0	NONE	NONE	ON DIRT
1829 SMH	81.64	OUT	76.04	12	ASBESTOS	3	
		OUT	75.84	12	ASBESTOS	8	
		SHELF	76.59	0	NONE	NONE	
1834 SMH	81.81	SUMP	76.41	0	NONE	NONE	SEWER METER (PER PW)
1836 SMH	82.65	OUT	76.80	12	CLAY	10	INVERT THROUGH HOLE IN PIPE
		IN	76.80	12	CLAY	4	INVERT THROUGH HOLE IN PIPE
		SHELF	77.55	12	NONE	NONE	
2043 CB	76.17	OUT	68.97	12	HDPE	4	
		SUMP	65.57	0	NONE	NONE	ON DIRT
2175 CB	76.39	OUT	70.39	12	HDPE	8	
		IN	70.54	12	HDPE	2	
		IN	72.49	4	HDPE	5	
		SUMP	67.59	0	NONE	NONE	ON DIRT
2266 CR	75.41	OUT	67.06	15	HDPE	3	
		IN	67.06	12	HDPE	1	
		IN	68.61	12	HDPE	11	
		IN	70.21	4	HDPE	12	
		SUMP	72.24	0	NONE	NONE	ON DIRT
2324 CB	72.24	OUT	66.79	12	HDPE	1	
		SUMP	65.24	0	NONE	NONE	ON DIRT
2326 CB	72.19	IN	65.99	15	HDPE	9	
		IN	66.29	12	HDPE	6	
		IN	67.29	4	HDPE	7	
		IN	67.09	4	HDPE	5	
		OUT	71.11	18	HDPE	4	
		SUMP	71.11	0	NONE	NONE	ON DIRT
2413 CB	71.11	OUT	65.81	12	HDPE	5	
		IN	66.31	4	HDPE	3	
		IN	66.31	4	HDPE	6	
		SUMP	63.01	0	NONE	NONE	ON DIRT
2458 CR	76.52	IN	64.67	12	HDPE	10	
		IN	64.92	18	HDPE	9	
		OUT	64.47	18	HDPE	2	
		SUMP	61.62	0	NONE	NONE	ON DIRT
2478 DMH	79.43	IN	72.73	12	HDPE	3	
		IN	74.43	4	HDPE	5	
		OUT	64.03	20	HDPE	6	
		IN	64.18	18	HDPE	9	
		SUMP	82.93	0	NONE	NONE	ON DIRT
2516 CR	82.93	OUT	75.23	12	HDPE	9	
		SUMP	72.93	0	NONE	NONE	ON DIRT
2534 SMH	84.68	IN	72.98	8	CLAY	7	
		OUT	72.88	8	CLAY	1	
		SHELF	74.08	0	NONE	NONE	
2567 CB	79.79	OUT	77.09	UNK	UNK	UNK	TOP SHELF
		OUT	76.09	UNK	UNK	UNK	APPARENT TOP PIPE
		OUT	73.59	UNK	UNK	UNK	REFUSAL
2626 SMH	82.34	IN	74.44	12	UNK	7	
		OUT	74.44	12	UNK	1	
		SHELF	75.64	0	NONE	NONE	
3142 CBR	83.02	OUT	78.27	24	RCP	2	
		IN	78.22	15	RCP	6	
		IN	78.22	15	RCP	6	
		SUMP	75.67	0	NONE	NONE	ON DIRT
3186 CR	81.84	OUT	78.74	15	RCP	10	
		IN	78.79	15	RCP	5	
		SUMP	76.29	0	NONE	NONE	ON DIRT
3213 CB	82.33	OUT	80.18	12	CMP	2	
		SUMP	79.73	0	NONE	NONE	ON DIRT
3217 CB	82.65	OUT	79.75	15	RCP	10	
		IN	79.80	15	RCP	4	
		IN	79.85	12	CMP	8	
		SUMP	78.60	0	NONE	NONE	ON DIRT
3287 CR	87.79	IN	81.79	12	CMP	1	
		OUT	78.69	15	CMP	10	
		SUMP	79.2	0	NONE	NONE	ON DIRT

STRUCTURE TABLE

Point #	Rim Elevation	Invert In/Out	Pipe Elevation	Pipe Size	Pipe Direction	(N=12)	Comments
3296 CB	89.43	OUT	84.43	12	CMP	1	
		OUT	83.93	12	CMP	7	
3301 SMH	89.96	IN	81.16	12	PVC	7	
		SUMP	80.56	0	NONE	NONE	ON DIRT
		IN	80.86	12	PVC	1	
		SHELF	82.11	0	NONE	NONE	
3309 CB	86.60	OUT	83.60	UNK	UNK	7	UNDER WATER
		IN	85.10	12	PVC	1	UNDER WATER
		SUMP	82.10	0	NONE	NONE	ON DIRT
		WATER	85.70	0	NONE	NONE	
3363 CB	87.03	OUT	82.83	12	PVC	4	
		SUMP	80.93	0	NONE	NONE	ON DIRT
3366 DMH	87.65	OUT	80.70	15	RCP	10	
		IN	82.25	12	HDPE	7	
		IN	82.40	12	PVC	10	
		IN	81.10	15	RCP	4	
		SUMP	79.87	0	NONE	NONE	ON DIRT
3396 CB	79.87	OUT	77.62	15	CMP	11	
		IN	76.97	18	CMP	3	
		SUMP	77.47	0	NONE	NONE	DEPTH SUMP+ FILLED W DIRT
3424 CBR	82.73	OUT	78.28	15	RCP	1	
		IN	78.38	12	RCP	7	
		SUMP	75.73	0	NONE	NONE	ON DIRT
3426 CB	94.11	OUT	90.41	6	ASBESTOS	12	
		SUMP	90.61	0	NONE	NONE	ON DIRT
3615 CBR	93.15	OUT	86.85	8	CLAY	4	
		OUT	86.75	8	METAL	8	
		SUMP	86.00	0	NONE	NONE	ON DIRT
3647 CBR	93.16	IN	87.96	6	RCP	7	
		OUT	87.91	8	CLAY	10	
		SUMP	87.91	0	NONE	NONE	ON DIRT
3605 CBR	82.47	OUT	79.32	12	RCP	12	
		SHELF	79.62	12	METAL	5	
		IN	80.67	3	METAL	5	
		IN	79.37	3	METAL	7	
		IN	81.03	6	VT CLAY	4	
		SUMP	81.03	0	NONE	NONE	ON DIRT
3863 CBR	81.03	IN	78.43	6	RCP	12	
		IN	78.43	6	RCP	6	OUTLET NOT OBSERVED
		IN	79.33	6	ASBESTOS	10	ON DIRT
		SUMP	78.24	0	NONE	NONE	ON DIRT
3914 CB	80.74	OUT	77.89	8	VT CLAY	1	
		IN	77.99	8	VT CLAY	5	WATER AT 2.65
		SUMP	75.49	0	NONE	NONE	ON DIRT
3978 SMH	87.23	OUT	79.83	8	PVC	7	
		IN	79.83	8	PVC	3	
		SHELF	80.68	0	NONE	NONE	
4037 CBR	84.52	OUT	79.42	8	METAL	10	
		SUMP	76.92	0	NONE	NONE	ON DIRT
4117 SMH	85.39	OUT	81.09	8	PVC	12	
		IN	81.14	8	PVC	6	
		SHELF	81.69	0	NONE	NONE	
4156 CB	84.78	OUT	81.03	12	RCP	6	
		SUMP	78.13	0	NONE	NONE	
4320 CB	84.7						

# LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED

## GENERAL NOTES:

- THESE DRAWINGS SHOULD BE REVIEWED IN CONJUNCTION WITH THE ACCOMPANYING DESIGN REPORT TITLED "STORMWATER MANAGEMENT REPORT FOR DOVER HIGH SCHOOL AND CAREER TECHNICAL CENTER, 29 ALUMM DRIVE, DOVER, NH" DATED APRIL 4, 2016 PREPARED BY NOBIS ENGINEERING, INC.
- EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED "BOUNDARY SURVEY", DATED MARCH 11, 2016, BY SEBAGO TECHNICS.
- THESE DRAWINGS AND ACCOMPANYING TEXT HAVE BEEN PREPARED FOR DOVER SCHOOL DISTRICT, FOR REVIEW BY THE CITY OF DOVER PLANNING BOARD, CODE ENFORCEMENT, GENERAL SERVICES, POLICE, AND FIRE DEPARTMENTS.
- THE CONTRACTOR SHALL OBTAIN COVERAGE UNDER EPA NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FOR CONSTRUCTION ACTIVITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND IMPLEMENTING AN ENVIRONMENTAL PROTECTION AGENCY (EPA) STORM WATER POLLUTION PREVENTION PLAN PRIOR TO THE START OF CONSTRUCTION AND DURING CONSTRUCTION ON-SITE IN ACCORDANCE WITH THE EPA REGULATIONS UNDER THE CLEAN WATER ACT.
- CONSTRUCTION HOURS SHALL BE LIMITED TO: MONDAY-FRIDAY 7 AM-6 PM, AND SATURDAY 8 AM-5 PM, WITH NO SUNDAY HOURS. HOURS OF CONSTRUCTION SHALL BE DOCUMENTED ON A SITE CONSTRUCTION SIGN ALONG WITH THE CONTACT INFORMATION FOR THE GENERAL CONTRACTOR. SAID SIGNAGE SHALL BE LOCATED AND APPROVED BY THE CITY ENGINEER OR ASSISTANT CITY MANAGER.

## EROSION CONTROL NOTES:

CATCH BASINS: CARE SHOULD BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT ENTER CATCH BASINS DURING EXCAVATION FOR PIPE TRENCHES, DITCHES AND SWALES. THE CONTRACTOR SHOULD PLACE NON-WOVEN GEOTEXTILE FABRIC FOR INLET PROTECTION OVER INLETS IN AREAS OF SOIL DISTURBANCE, WHICH ARE SUBJECT TO SEDIMENT CONTAMINATION.

PLACE INLET PROTECTION DEVICES IN CATCH BASINS AND MAINTAIN UNTIL ALL CONSTRUCTION ACTIVITIES HAVE CEASED AND THE SURROUNDING AREAS ARE WELL VEGETATED.

ALL SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF INTO THEM.

### SCHEDULE OF WORK

THIS WORK IS ANTICIPATED TO BEGIN IN THE SUMMER/FALL 2016 WITH A FINAL COMPLETION DATE IN SPRING 2016. WINTER EARTH DISTURBANCE IS EXPECTED FOR THIS PROJECT.

ADEQUATE MEASURES SHOULD BE TAKEN TO MINIMIZE AIR BORNE DUST PARTICLES ARISING FROM SOIL DISTURBANCE AND CONSTRUCTION.

\* DISTURBANCE OF AREAS SHOULD BE MINIMIZED AND NOT EXCEED 100,000 SQUARE FEET IN AREA AT ANY ONE TIME.

\* NO UNSTABILIZED AREA SHOULD BE LEFT UNSTABILIZED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON.

\* PERMANENT EROSION CONTROL FEATURES SHOULD BE INCORPORATED INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME, AS SPECIFIED ON THE CONTRACT PLANS.

\* WITHIN 14 DAYS OF COMPLETING WORK IN AN AREA, AND PRIOR TO ANTICIPATED RAIN EVENTS, APPLY HAY/STRAW MULCH AND TACKIFIER ON ALL DISTURBED SOIL AREAS. APPLICATION RATES OF 2 TONS OF STRAW OR HAY PER ACRE SHOULD BE USED TO PREVENT EROSION UNTIL VEGETATIVE COVER CAN BE ESTABLISHED. ALTERNATIVELY, APPLY WOOD CHIPS OR GROUND BARK MULCH 2 TO 4 INCHES DEEP AT A RATE OF 10 TO 20 TONS PER ACRE.

\* WHEN EROSION IS LIKELY TO BE A PROBLEM, GRUBBING OPERATION SHOULD BE SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATION AND PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER.

\* AS WORK PROGRESSES, PATCH SEEDING AND MULCHING SHOULD BE DONE AS REQUIRED ON AREAS PREVIOUSLY TREATED TO MAINTAIN OR ESTABLISH PROTECTIVE COVER.

\* REMOVE ACCUMULATED SEDIMENTS AND DEBRIS WHEN SEDIMENT CONTAINMENT DEVICES REACH 33% CAPACITY.

### EROSION CONTROL IMPLEMENTATION SCHEDULE

THE FOLLOWING GENERAL SCHEDULE IDENTIFIES THE PROPOSED SOIL EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT MEASURES THAT ARE TO BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION.

\* PERFORM LIMITED GRUBBING, STRIPPING AND SITE GRADING ONLY AS NEEDED TO COMPLETE IMMEDIATE WORK GOALS.

\* BLOCK STORM WATER FLOW AS NECESSARY TO INSTALL ALL STORM WATER STRUCTURES IN THE DRY.

\* INSTALL PERMANENT STORM DRAIN SYSTEM.

\* INSTALL TEMPORARY SOIL STABILIZATION MEASURES INCLUDING SEED, MULCH, FERTILIZER, MATTING, ETC.

\* REDIRECT FLOWS INTO FINISHED STRUCTURES PRIOR TO FILL OPERATIONS.

\* PLACE HUMUS AND CONDUCT PERMANENT SEEDING AND MULCHING OF ALL DISTURBED GROUND.

### TEMPORARY STABILIZATION

EROSION CONTROL MEASURES SHALL BE IMPLEMENTED, AS WRITTEN HEREIN AND AS DEPICTED ON THE ACCOMPANYING PLAN, FROM THE COMMENCEMENT OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS COMPLETE.

TEMPORARY GRADING: TEMPORARY GRADING DURING CONSTRUCTION SHOULD BE PERFORMED IN SUCH A MANNER TO FACILITATE MAXIMUM INFILTRATION OF STORMWATER AND MINIMIZE OR ELIMINATE STORMWATER RUNOFF FROM THE SITE.

MULCH: MULCHING WITH LOOSE HAY OR STRAW, AT A RATE OF 2 TONS PER ACRE, SHALL BE DONE IMMEDIATELY AFTER EACH AREA HAS BEEN FINAL GRADED. WHEN SEED FOR EROSION CONTROL IS SOWN PRIOR TO PLACING THE MULCH, THE MULCH SHOULD BE PLACED ON THE SEEDED AREAS WITHIN 48 HOURS AFTER SEEDING.

TACKIFIER: PLACEMENT OF SOIL TACKIFIER HAS PROVEN TO BE AN EFFECTIVE METHOD OF PREVENTING SOIL AND ADHERING MULCH IN PLACE. THE PLACEMENT OF A SOIL TACKIFIER SHOULD BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND SHOULD BE REAPPLIED AS NECESSARY TO CONTROL AIR BORN DUST AND SOIL, AND MULCH LOSS UNTIL PERMANENT VEGETATION IS ESTABLISHED.

ROAD CLEANING: THE CONTRACTOR SHALL SWEEP ROADS DAILY, OR AS NEEDED TO MAINTAIN CLEAN PAVED SURFACES AT ALL CONSTRUCTION ACCESS/EGRESS POINTS.

DUST CONTROL: THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED TO PREVENT AIRBORNE DUST PARTICLES FROM LEAVING THE SITE. DUST CONTROL MEASURES SHALL CONSIST OF USE OF A WATER TRUCK EQUIPPED WITH A SPRAY-BAR THAT DISSIPATES THE WATER EVENLY OVER THE SURFACE.

PERMANENT STABILIZATION: GRASS, TREES, SHRUBS AND MULCHED PLANTING BEDS WILL BE CONSTRUCTED AND MAINTAINED IN LOCATIONS AS SHOWN ON THE DRAWINGS TO STABILIZE AREAS NOT WITHIN THE PARKING LOT/BUILDING FOOTPRINT. THE CONTRACTOR WILL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL FOR ONE YEAR AFTER COMPLETION.

AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:

- BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
- A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED.
- A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED.
- EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

ALL ROADWAYS/PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

### EXCAVATION DEWATERING

SHOULD EXCAVATION DEWATERING BE REQUIRED, THE CONTRACTOR MUST INSURE THAT ANY EXCAVATION DEWATERING DISCHARGES ARE NOT FAMILIARIZED. NOTE: THE WATER IS CONSIDERED UNCONTAMINATED IF THERE IS NO GROUNDWATER CONTAMINATION WITHIN 1,000 FEET OF THE DISCHARGE.

THE CONTRACTOR MUST TREAT ANY UNCONTAMINATED EXCAVATION DEWATERING AS NECESSARY TO REMOVE SUSPENDED SOLIDS AND TURBIDITY DURING CONSTRUCTION. THE DISCHARGES MUST BE SAMPLED AT A LOCATION PRIOR TO MIXING WITH STORM WATER OR STREAM FLOW AT LEAST ONCE PER WEEK DURING WEEKS WHEN DISCHARGES OCCUR. THE SAMPLES MUST BE ANALYZED FOR TOTAL SUSPENDED SOLIDS (TSS) AND MUST MEET MONTHLY AVERAGE AND MAXIMUM DAILY TSS LIMITATIONS OF 1 MILLIGRAM PER LITER (MGL), RESPECTIVELY.

### STORMWATER POLLUTION PREVENTION PLAN

THE PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE USEPA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION PERMIT, WHICH INCLUDES A WRITTEN STORM WATER POLLUTION PREVENTION (SWPPP) PLAN FOR CONSTRUCTION. THE SWPPP PLAN SHALL OUTLINE DETAILED SPECIFICATIONS FOR IMPLEMENTATION, INSPECTION, AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR COMPLIANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN, SHALL BE RESPONSIBLE FOR AMENDING THE SWPPP ACCORDINGLY, AND SHALL BE RESPONSIBLE FOR ANY PENALTIES RESULTING FROM LACK OF COMPLIANCE.

## CONSTRUCTION SEQUENCE:

- CONSTRUCT TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY EARTH MOVING OPERATIONS. INSPECT EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND WITHIN 24 HOURS OF ANY SIGNIFICANT RAINFALL EVENT (1" OF RAIN OR MORE). PERFORM ANY NEEDED MAINTENANCE AND STABILIZATION AS NEEDED.
- DISTURBANCES OF AREAS SHALL BE MINIMIZED. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON. AREAS WHICH WILL NOT BE PERMANENTLY SEEDED WITHIN TWO WEEKS OF DISTURBANCE SHALL BE TEMPORARILY SEEDED AND MULCHED. ALL AREAS SHALL BE STABILIZED WITH SEED MULCH AND TACKIFIER WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE AND PRIOR TO THE END OF THE GROWING SEASON.
- PERFORM DEMOLITION OF EXISTING SITE FEATURES AS SHOWN ON DEMOLITION PLAN.
- PERFORM CLEARING AND GRUBBING TO LIMITS SHOWN ON DEMOLITION PLAN.
- EXCAVATE AND GRADE, THEN INSTALL LOAM, SEED, AND EROSION CONTROL MATTING TO STABILIZE DETENTION POND AND TREATMENT SWALES.
- REMOVE AND TEMPORARILY STOCKPILE LOAM AND TOPSOIL FOR REUSE, IF NEEDED, ON-SITE. SEED AND/OR MULCH STOCKPILES AND ENCRUST WITH SILT FENCE.
- CONDUCT ALL UNDERGROUND UTILITY STRUCTURE AND PIPING INSTALLATION, BACKFILL, AND COMPACTING.
- CONSTRUCT BUILDING FOUNDATION.
- ALL CUT AND COMPACT NEW GRAVEL COURSES IN THE PARKING, LOADING, SIDEWALK, AND GRAVEL ACCESS DRIVE AREAS.
- PLACE, GRADE, AND STABILIZE DISTURBED AREAS WITH TEMPORARY SEEDING AND MULCHING.
- BEGIN CONSTRUCTION OF BUILDING AND REMAINING SITE WORK.
- PLACE PAVEMENT COURSES, SIDEWALKS, AND CURBING.
- ALL CUT AND FILL SLOPES SHALL BE STABILIZED, LOAMED, SEEDED, AND MULCHED.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING IN ACCORDANCE WITH THE LANDSCAPE DESIGN AND DETAILS.
- SWEEP COMPLETED PAVEMENT AND CLEAN OUT CATCH BASINS AND DRAINAGE PIPES DURING CONSTRUCTION CLOSE-OUT PROCEDURES. PROPERLY DISPOSE OF COLLECTED SEDIMENT AND DEBRIS.
- REMOVE TEMPORARY EROSION CONTROL MEASURES AND PROPERLY DISPOSE OF FOLLOWING CONSTRUCTION AND ONCE FULL GROUND COVER HAS BEEN ESTABLISHED.

## SPECIFICATIONS FOR TEMPORARY AND PERMANENT SEEDING:

GRASS SEED MIXES SHALL CONSIST OF THE MIXTURES AS DETAILED IN THE FOLLOWING TABLES, WITH 98% PURITY:

SEED	EROSION CONTROL SEED MIX	
	BY % MASS	% GERMINATION (MIN.)
WINTER RYE 80 (MIN.)	80	85
RED FESCUE (CREEPING) 4 (MIN.)	80	80
PERENNIAL RYE GRASS 3 (MIN.)	90	90
RED CLOVER 3 (MIN.)	90	90
OTHER CROP GRASS	0.5 (MAX.)	
NOXIOUS WEED SEED	0.5 (MAX.)	
INERT MATTER	1.0 (MAX.)	

SEED	PERMANENT SEED MIX	
	BY % MASS	% GERMINATION (MIN.)
RED FESCUE (CREEPING)	50	85
KENTUCKY BLUE	25	85
PERENNIAL RYE GRASS	10	90
RED TOP	10	85
LANDINO CLOVER	5	85

## WINTER CONSTRUCTION NOTES:

ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE ELSEWHERE. MULCH REMAINING IN THE SPRING SHALL BE REMOVED AND REPLACED AT RATE OF 2 TONS PER ACRE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND TACKIFIER SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND.

ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

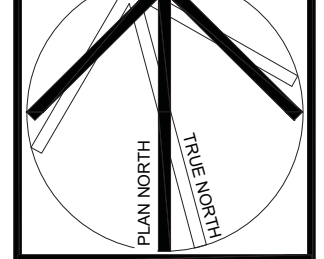
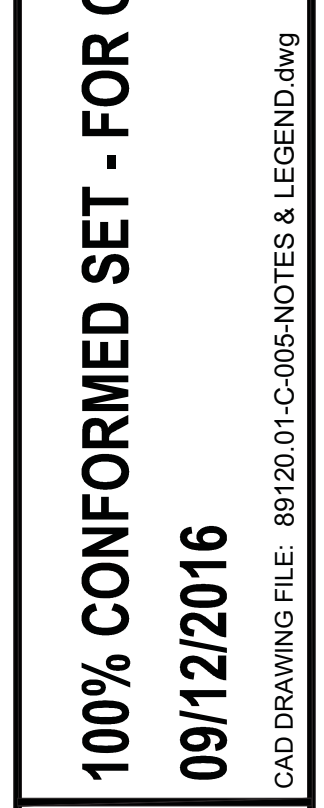
AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRANITE FILL PER NHDOT ITEM 304.3 OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.



HMFH ARCHITECTS  
100 Brimley Road, Dover, NH 03828  
603.751.1234  
617.492.2200  
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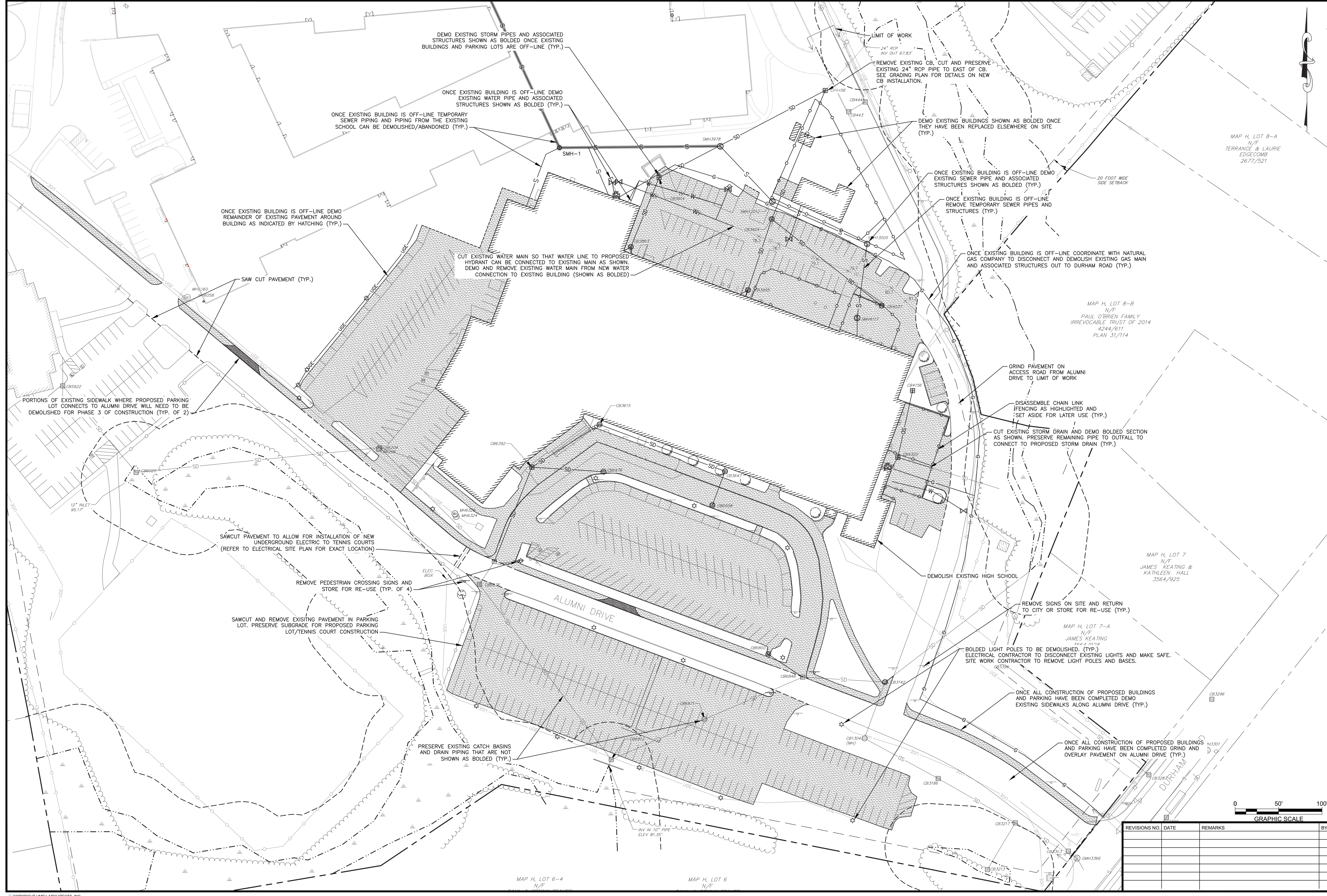
Dover HS / CTC  
Dover, NH  
GENERAL NOTES & LEGEND  
SCALE: NOT TO SCALE  
DRAWN BY: EC  
CHECKED BY: ERL

G-1  
DRAWING NUMBER

DOVER PLAN NO. 89120101  
FIG. 12







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100 Bedford Road, Suite 200  
 Dover, NH 03824  
 603.750.1234  
 603.750.1235

**Nobis**

Professional & Residential  
 Construction Services  
 10000 104th Ave  
 Suite 100  
 Edina, MN 55425  
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**09/12/2016**

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**Dover HS / CTC**

**DEMOLITION PLAN - PHASE 2**

SCALE: 1" = 50'

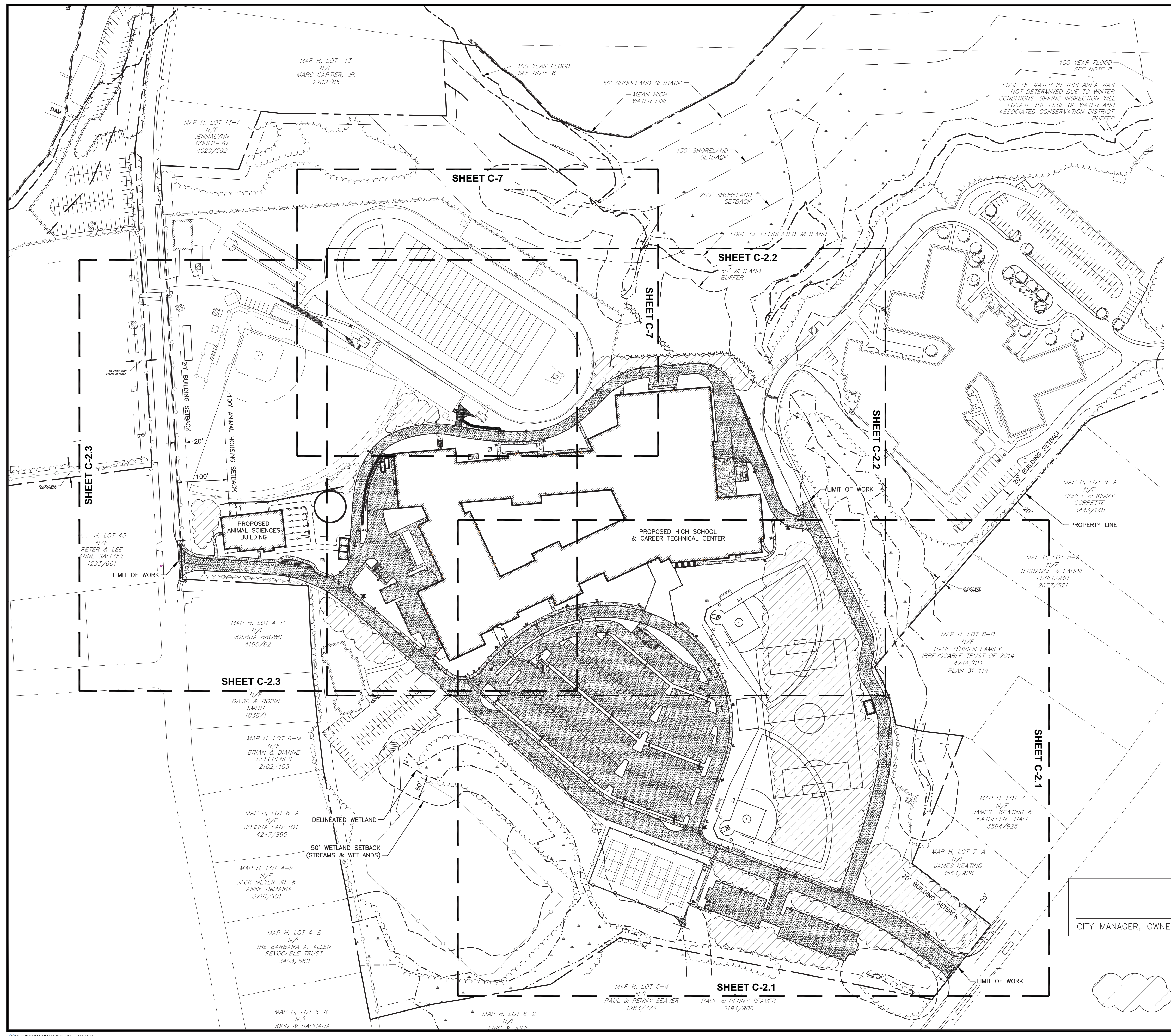
DRAWN BY: EC  
 CHECKED BY: ERL

**C-1.2**

DOWER PLAN NO. FIG. 12  
 JOB NUMBER 8912016

REVISIONS NO.	DATE	REMARKS





- PLAN REFERENCES**
- EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED "DOVER HIGH SCHOOL & REGIONAL CAREER TECHNICAL CENTER" DATED FEBRUARY 23, 2015, PROVIDED TO NOBIS ENGINEERING, INC. BY SEBAGO TECHNICS, INC.
- NOTES:**
- THE INTENT OF THIS SITE PLAN IS FOR CONSTRUCTION OF A NEW DOVER HIGH SCHOOL AND CAREER TECHNICAL CENTER.
  - CURRENT OWNER: DOVER SCHOOL DISTRICT, SAU #11 MCCONNELL CENTER, 61 LOCUST ST. DOVER, NH 03820-4132
  - THE PROJECT PARCEL(S) IS SHOWN AS LOT NO. 11-1, 12 & 17, MAP H OF THE CITY OF DOVER TAX ASSESSOR'S MAPS.
  - THE PROJECT PARCEL(S) CONTAIN 88 ACRES.
  - FOR TITLE REFERENCES FOR THE PROJECT PARCEL REFER TO NOTE #11 GENERAL NOTES SUMMARY ON BOUNDARY SURVEY NOTES PLAN.
  - PROPERTY LINE INFORMATION HAS BEEN OBTAINED FROM EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES ON PLANS TITLED "BOUNDARY SURVEY" DATED FEBRUARY 23, 2015, PROVIDED TO NOBIS ENGINEERING, INC. BY SEBAGO TECHNICS, INC.
  - REFER TO "BOUNDARY SURVEY" DATED FEBRUARY 23, 2015 FOR DETAILS ON WETLANDS DELINEATION.
  - AS-BUILT PLANS OF THE SITE SHALL BE SUBMITTED ON A REPRODUCIBLE MYLAR MEDIUM AND IN A DIGITAL DXF FORMAT ON DISK TO THE CITY OF DOVER ENGINEER'S OFFICE UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A.L.S. OR P.E.
  - EXTERIOR LIGHTING SHALL BE CUT-OFF TYPE FIXTURES PER CHAPTER 149:14-E AND SHALL PROVIDE LIGHTING DIRECTED ON-SITE ONLY.
  - TOPOGRAPHIC SURVEY PERFORMED BY SEBAGO TECHNICS, INC. IN DECEMBER 2015 AND JANUARY 2016.
  - ELEVATIONS ARE BASED ON U.S.G.S. DATUM.
  - THE PROPOSED STRUCTURE SHALL BE SERVED BY A SPRINKLER SYSTEM AS REQUIRED UNDER CHAPTER 109:30 OF THE CODE OF THE CITY OF DOVER AND THE 2009 STATE BUILDING CODES.
  - SPRINKLER CONNECTIONS MUST BE FLUSHED IN ACCORDANCE WITH NFPA 24 AND A CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM MUST BE COMPLETED.
  - FIRE DEPARTMENT CONNECTIONS SHALL BE LOCATED ON THE STREET SIDE OF THE BUILDING PER NFPA 13.
  - A SECURITY SYSTEM SHALL BE INSTALLED AS REQUIRED BY CHAPTER 58, ARTICLE I, SECTION 84.2 OF THE CODES OF THE CITY OF DOVER.
  - ALL ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND.
  - THE SUBJECT PARCELS ARE SERVED BY MUNICIPAL WATER AND SEWER.
  - ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO APPLICABLE CITY AND STATE CODES.
  - BACKFLOW PREVENTORS SHALL BE PROVIDED FOR BOTH FIRE AND DOMESTIC WATER LINES.
  - THE LIMITS OF CONSTRUCTION DISTURBANCE THAT ARE LOCATED IN OR WITHIN THE 50 FT. OF CONSERVATION AND WETLAND DISTRICTS SHALL BE STAKED, FLAGGED AND CLEARLY IDENTIFIED PRIOR TO THE COMMENCEMENT OF SITE WORK.
  - ALL TREATMENT SWALES TO BE CONSTRUCTED SHALL HAVE 500 BOTTOMS.
  - A PRE-CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR AND THE CITY ENGINEER SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.
  - THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY:
    - NHDES ALTERATION OF TERRAIN PERMIT# AOT1-1138, ISSUED ON AUGUST 2, 2016.
    - NHDES SEWER CONNECTION PERMIT# D2016-0102, ISSUED ON AUGUST 10, 2016.
  - SNOW STORAGE AREAS ARE SHOWN ON THIS PLAN AND WILL BE ADDRESSED IN THE STORMWATER OPERATIONS & MAINTENANCE PLAN.
  - WARRANTS FROM CHAPTER 149:14 C(1) (GRANITE CURBING AND POROUS WALKWAYS) AND CHAPTER 149:14 D(6)(F) (POROUS PAVEMENT) WERE GRANTED BY THE PLANNING BOARD ON MAY 10, 2016.
  - CONDITIONAL USE PERMIT #16-11 FOR WETLAND BUFFER DISTURBANCE FOR GRADING FOR STORMWATER WAS GRANTED BY THE PLANNING BOARD ON MAY 10, 2016.

**ZONING ANALYSIS**

TAX MAP/LOT: MAP H LOT 11-1 MIDDLE SCHOOL PARCEL  
MAP H LOT 12-1 HIGH SCHOOL PARCEL

PROPERTY OWNER: DOVER SCHOOL DISTRICT, SAU #11 MCCONNELL CENTER, 61 LOCUST ST. DOVER, NH 03820-4132

ADDRESS: 25 ALUMNI DRIVE DOVER, NEW HAMPSHIRE 03820

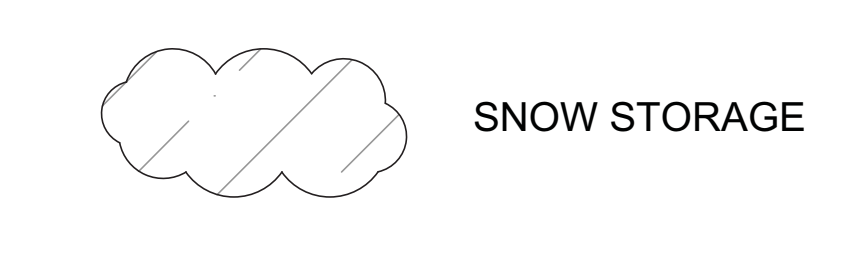
ZONING DISTRICT: R-20 LOW DENSITY RESIDENTIAL

MINIMUM LOT AREA	PROVIDED	LOT# H11-1: 25.90 ACRES
20,000 SF	LOT# H12-0: 48.93 ACRES	
MINIMUM LOT FRONTAGE	PROVIDED	189' (ALUMNI DRIVE)
125'	808' (RELLANY ROAD)	
MAXIMUM LOT COVERAGE	PROVIDED	9% (100,298 SF) BUILDING ONLY
H11-1: 35%, 9.06 ACRES	16% (184,013 SF) ALL IMPERVIOUS	TOTAL: 29%
H12-0: 35%, 17.1 ACRES	10% (215,593 SF) BUILDING ONLY	19 % (410,624 SF) ALL IMPERVIOUS
	TOTAL: 29%	
<b>BUILDING SETBACKS</b>	REQD	PROVIDED
FRONT YARD	20' MIN - 35' MAX	
SIDE YARD	20'	
REAR YARD	30'	
<b>BUILDING HEIGHT MAXIMUM</b>	REQD	PROVIDED
	35'	29'
<b>PARKING SUMMARY TABLE</b>	EXISTING	PROPOSED
LOT		
HIGH SCHOOL (ON-SITE)	438 SPACES	438 SPACES
ALTERNATIVE SCHOOL	73 SPACES	73 SPACES
BELLAMY LOT	99 SPACES	99 SPACES
DURHAM ROAD LOT	61 SPACES	61 SPACES
TOTAL	671 SPACES	671 SPACES
<b>ADA SPACES</b>	REQD	PROVIDED
HIGH SCHOOL (ON-SITE)	9	9

OWNER SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

CITY MANAGER, OWNER \_\_\_\_\_

GRAPHIC SCALE: 0 100' 200'



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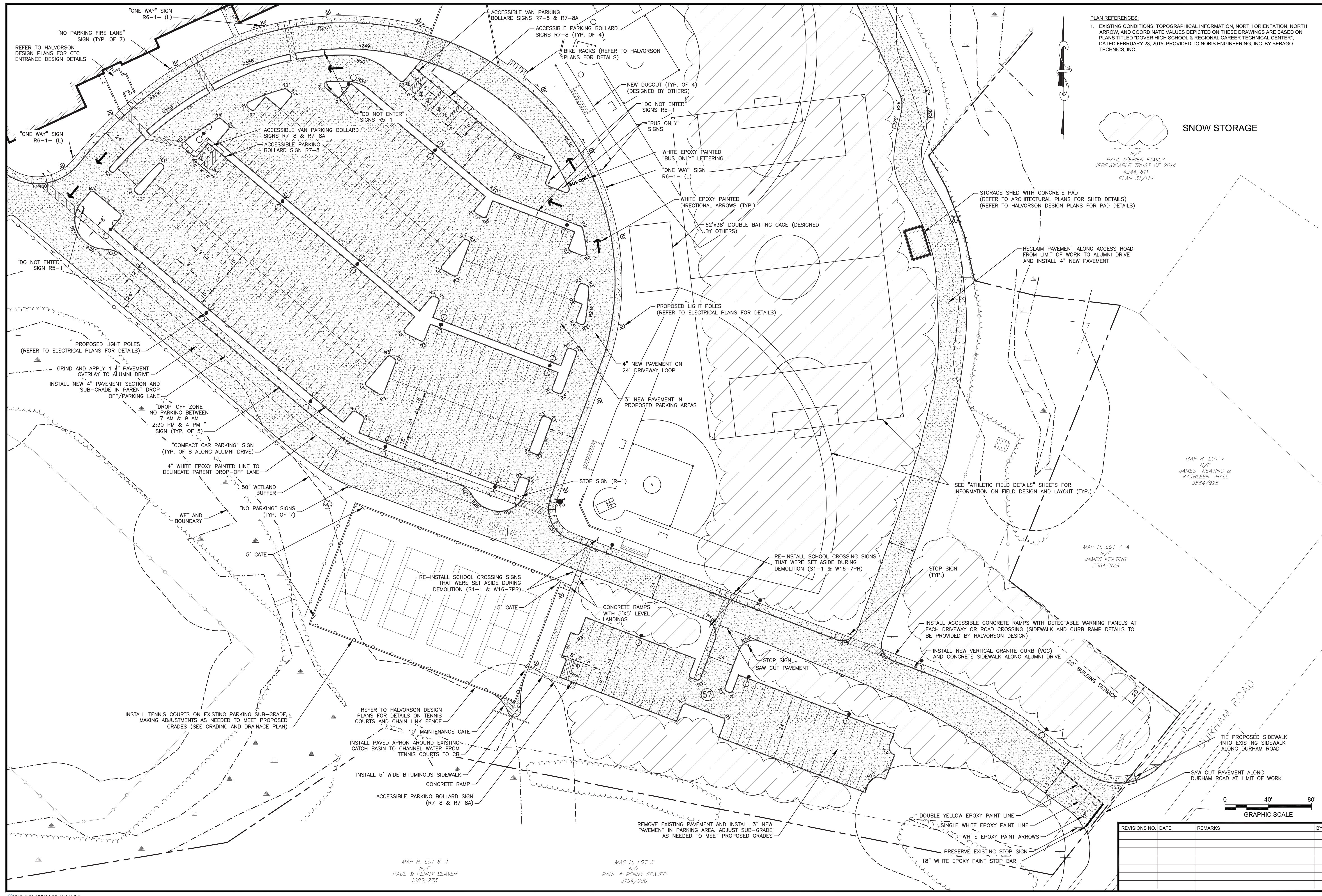
**Dover HS / CTC**  
Dover, NH  
**OVERVIEW PLAN**

SCALE: NOT TO SCALE DRAWN BY: EC CHECKED BY: ERL

DRAWING NUMBER: **C-2**

DOVER PLAN NO. P16-12  
JOB NUMBER: B9120101

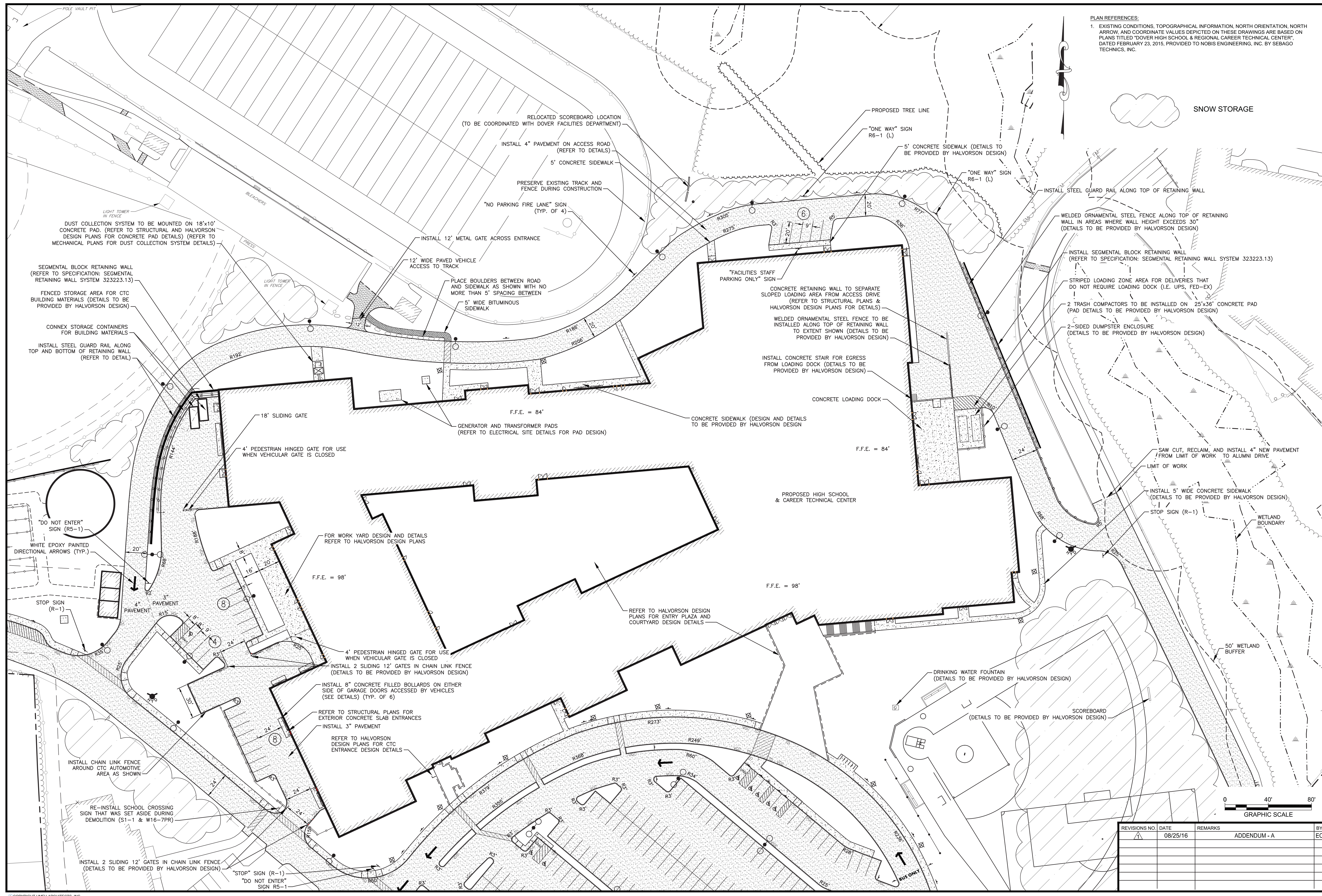
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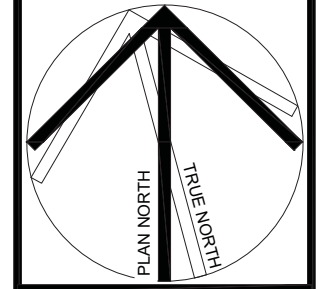


PLAN REFERENCES:  
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 ARCHITECTS  
 1000 Bedford Road, Suite 200  
 Dover, NH 03820  
 603.739.1234  
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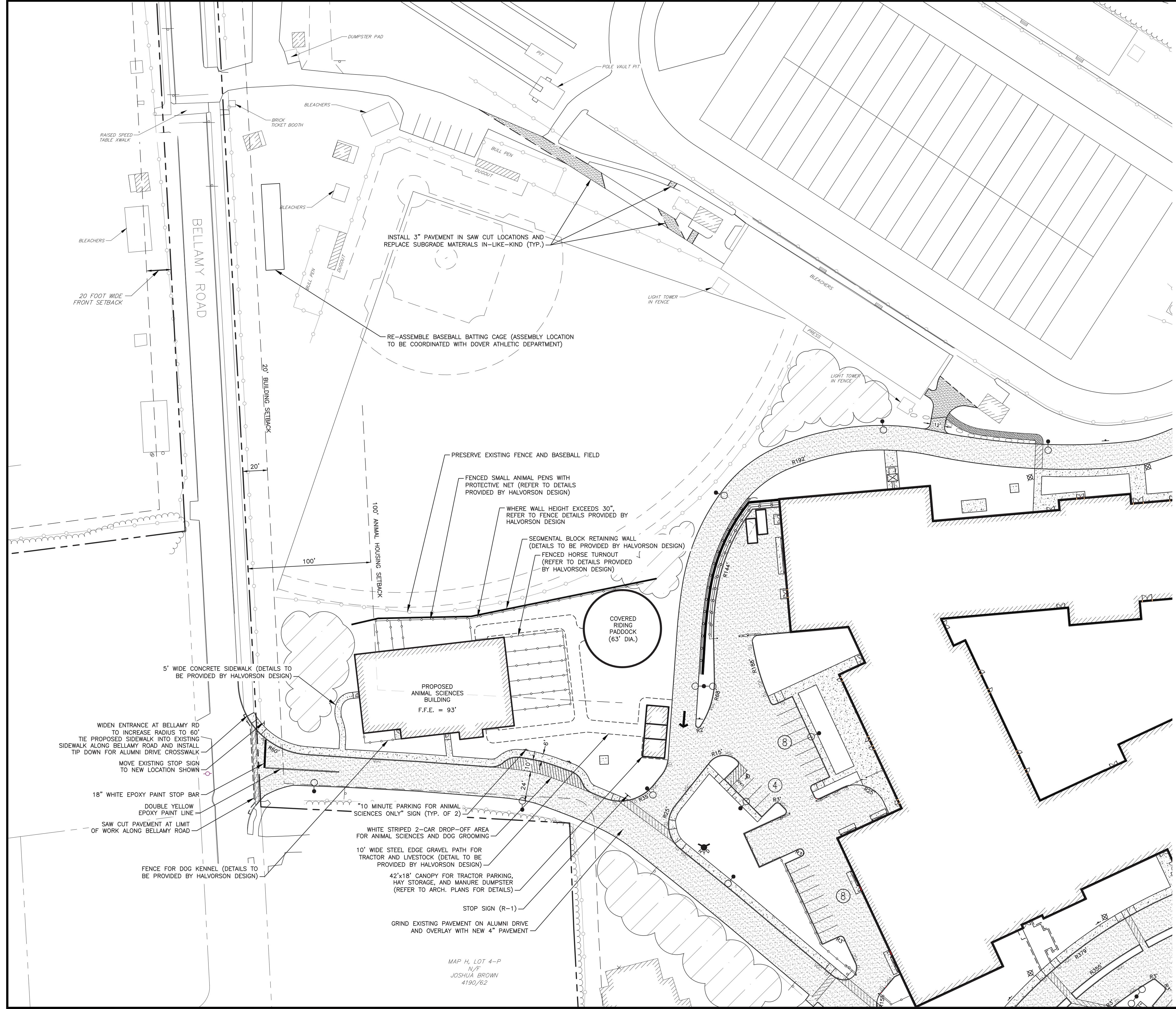


Dover HS / CTC  
 Dover, NH  
**PROPOSED SITE PLAN**  
 SCALE: 1" = 40'  
 DRAWN BY: EC  
 CHECKED BY: ERL

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1	08/25/16	ADDENDUM - A	EC

**C-2.2**  
 DRAWING NUMBER  
 DOVER PLAN NO. P16.12  
 JOB NUMBER 891201

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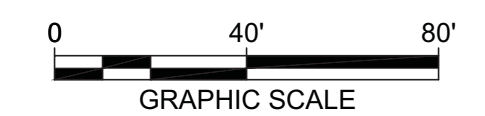


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**NOTES:**  
 1. MANURE DUMPSTER TO BE EMPTIED ONCE A WEEK



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**HMFH ARCHITECTS**  
 100 Brattle Street, Suite 200  
 Cambridge, MA 02138  
 617.492.2200  
 @HMFHArch hmfh.com

**Nobis**  
 ENGINEERING & ARCHITECTURE, INC.  
 100 Cambridge Street  
 Cambridge, MA 02142  
 617.492.2200  
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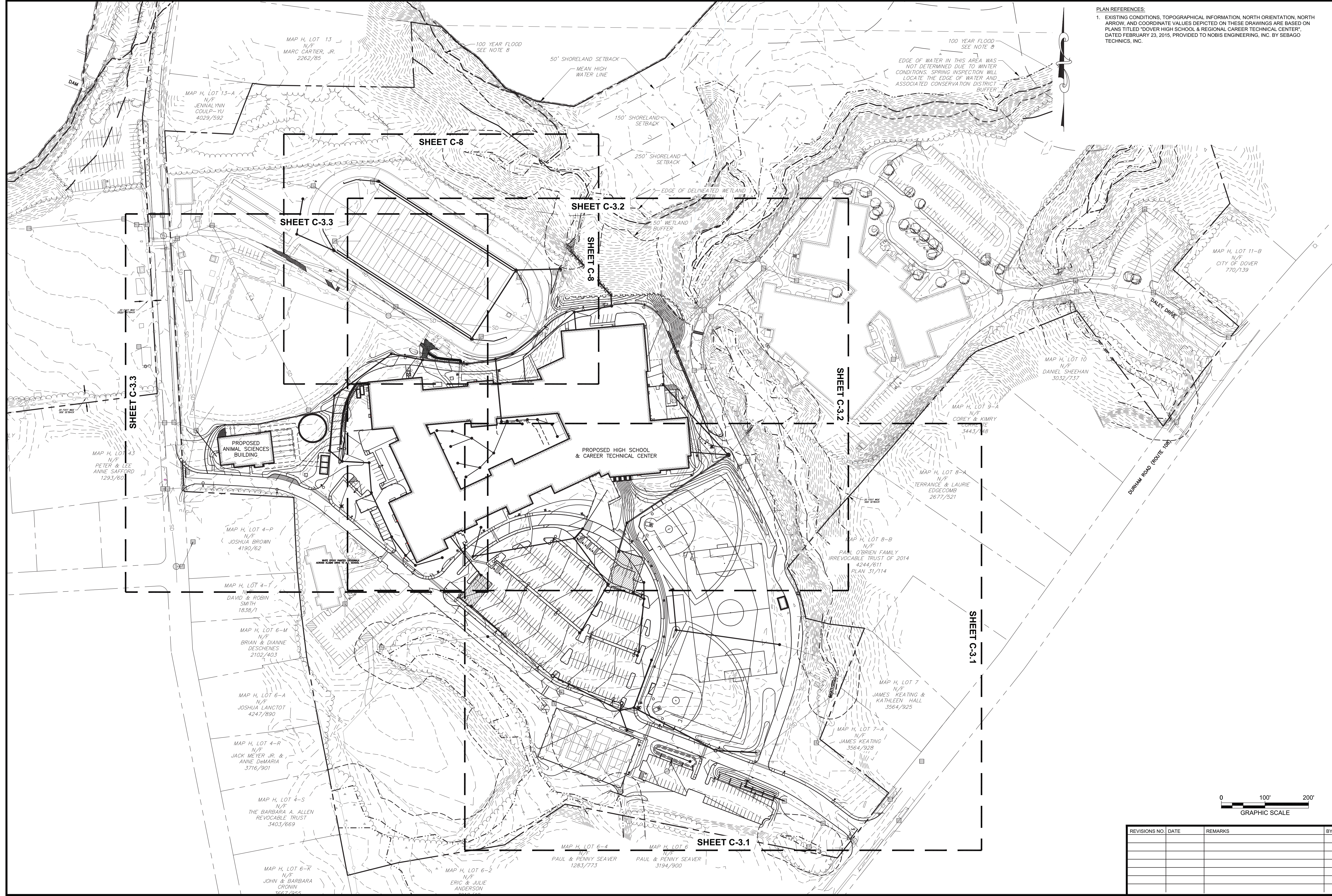
Dover HS / CTC  
 Dover, NH  
**PROPOSED SITE PLAN**

CHECKED BY: ERL  
 DRAWN BY: EC  
 SCALE: 1" = 40'

**C-23**

DOVER PLAN NO. FIG. 12  
 JOB NUMBER 891201.01

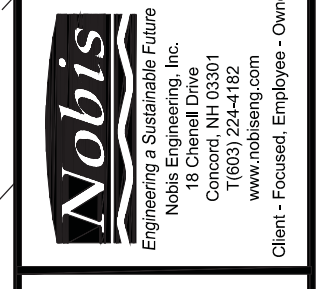




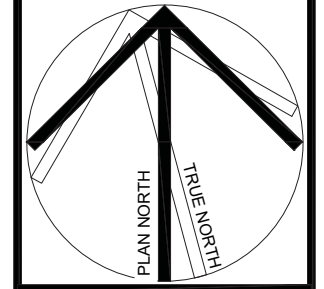
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 Dover, NH 03820  
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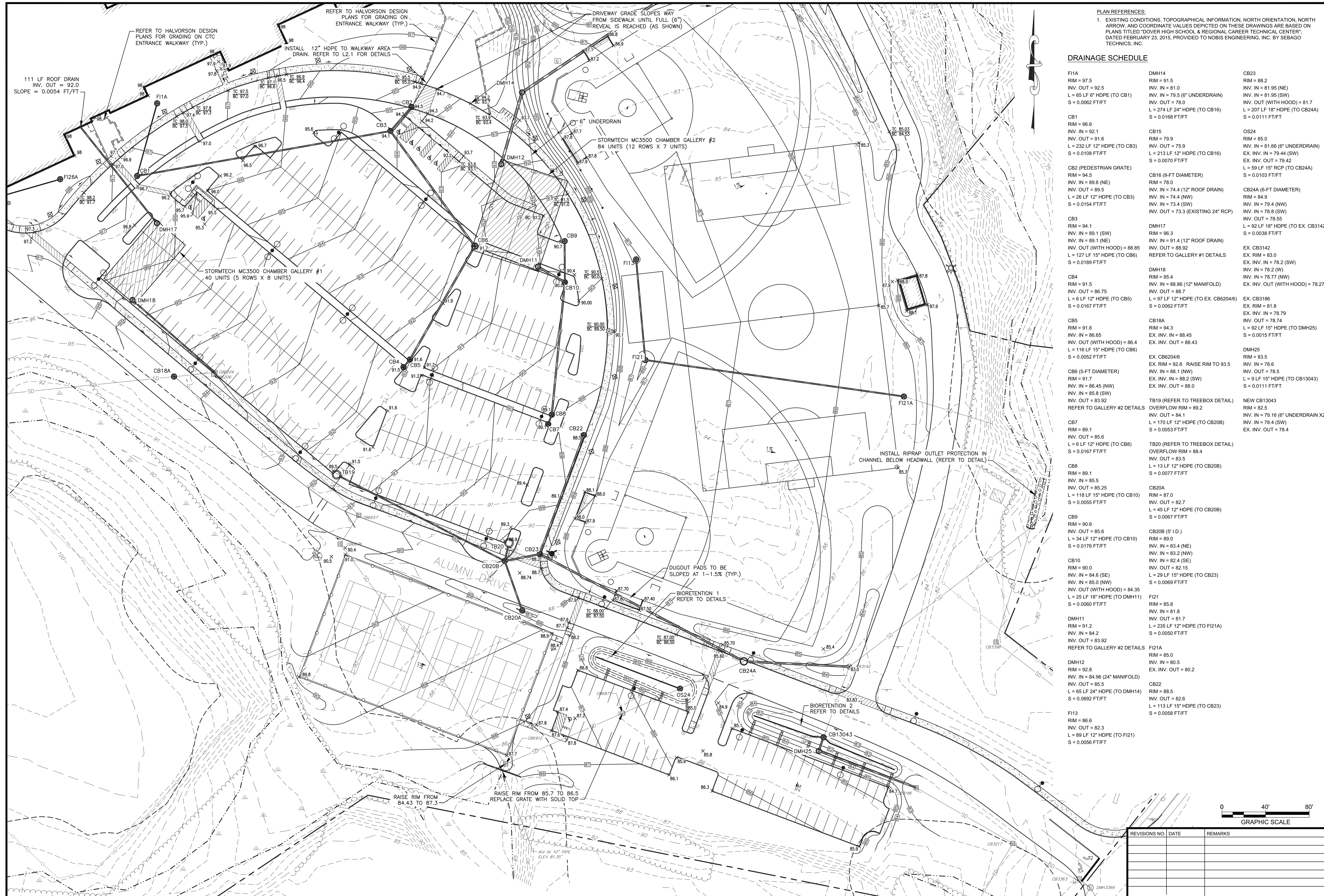
Dover HS / CTC  
 Dover, NH  
**GRADING AND DRAINAGE  
 OVERVIEW PLAN**  
 SCALE: 1" = 100'  
 DRAWN BY: EC  
 CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER  
**C-3**  
 DOVER PLAN NO. FIG. 12  
 JOB NUMBER 891201

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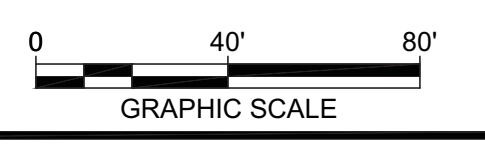
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**DRAINAGE SCHEDULE**

F11A RIM = 97.5 INV. OUT = 92.5 L = 65 LF 6" HDPE (TO CB1) S = 0.0062 FT/FT	DMH14 RIM = 91.5 INV. IN = 91.0 INV. IN = 81.0 L = 274 LF 24" HDPE (TO CB16) S = 0.0168 FT/FT	CB23 RIM = 88.2 INV. IN = 81.95 (NE) INV. IN = 81.95 (SW) L = 207 LF 18" HDPE (TO CB24A) S = 0.0111 FT/FT
CB1 RIM = 96.6 INV. IN = 92.1 INV. OUT = 91.6 L = 232 LF 12" HDPE (TO CB3) S = 0.0108 FT/FT	CB15 RIM = 79.9 INV. OUT = 75.9 L = 213 LF 12" HDPE (TO CB16) S = 0.0070 FT/FT	OS24 RIM = 85.0 INV. IN = 81.66 (6" UNDERDRAIN) EX. INV. IN = 79.44 (SW) EX. INV. OUT = 79.42 L = 59 LF 18" RCP (TO CB24A) S = 0.0163 FT/FT
CB2 (PEDESTRIAN GRATE) RIM = 94.5 INV. IN = 89.6 (NE) INV. OUT = 89.5 L = 26 LF 12" HDPE (TO CB3) S = 0.0154 FT/FT	CB16 (6-FT DIAMETER) RIM = 78.0 INV. IN = 74.4 (12" ROOF DRAIN) INV. IN = 74.4 (NW) INV. IN = 73.4 (SW) INV. OUT = 73.3 (EXISTING 24" RCP)	CB24A (6-FT DIAMETER) RIM = 84.9 INV. IN = 79.4 (NW) INV. IN = 78.6 (SW) INV. OUT = 78.55 L = 92 LF 18" HDPE (TO EX. CB3142) S = 0.0038 FT/FT
CB3 RIM = 94.1 INV. IN = 89.1 (SW) INV. IN = 89.1 (NE) INV. OUT (WITH HOOD) = 88.85 L = 127 LF 15" HDPE (TO CB6) S = 0.0189 FT/FT	DMH17 RIM = 86.3 INV. IN = 91.4 (12" ROOF DRAIN) INV. OUT = 88.92 REFER TO GALLERY #1 DETAILS	EX. CB3142 EX. RIM = 83.0 EX. INV. IN = 78.2 (SW) INV. IN = 78.2 (W) INV. IN = 78.77 (NW) EX. INV. OUT (WITH HOOD) = 78.27
CB4 RIM = 91.5 INV. IN = 88.75 L = 6 LF 12" HDPE (TO CB6) S = 0.0167 FT/FT	DMH18 RIM = 95.4 INV. IN = 88.86 (12" MANIFOLD) INV. OUT = 88.7 L = 97 LF 12" HDPE (TO EX. CB2046) S = 0.0062 FT/FT	EX. CB3186 EX. RIM = 81.8 EX. INV. IN = 78.79 INV. OUT = 78.74 L = 92 LF 15" HDPE (TO DMH25) S = 0.0015 FT/FT
CB5 RIM = 91.6 INV. IN = 86.65 INV. OUT (WITH HOOD) = 86.4 L = 116 LF 15" HDPE (TO CB6) S = 0.0052 FT/FT	CB18A RIM = 94.3 EX. INV. IN = 88.45 EX. INV. OUT = 88.43	DMH25 RIM = 83.5 INV. IN = 78.6 INV. OUT = 78.5 L = 9 LF 15" HDPE (TO CB13043) S = 0.0111 FT/FT
CB6 (5-FT DIAMETER) RIM = 91.7 INV. IN = 86.45 (NW) INV. IN = 85.8 (SW) INV. OUT = 83.92 REFER TO GALLERY #2 DETAILS	EX. CB2046 EX. RIM = 92.6 EX. INV. IN = 88.2 (SW) EX. INV. OUT = 88.0	NEW CB13043 RIM = 82.5 INV. IN = 79.16 (6" UNDERDRAIN X2) INV. IN = 78.4 (SW) EX. INV. OUT = 78.4
CB7 RIM = 89.1 INV. OUT = 85.6 L = 6 LF 12" HDPE (TO CB8) S = 0.0167 FT/FT	DMH19 (REFER TO TREEBOX DETAIL) OVERFLOW RIM = 89.2 INV. OUT = 84.1 L = 170 LF 12" HDPE (TO CB208) S = 0.0053 FT/FT	
CB8 RIM = 89.1 INV. IN = 85.5 INV. OUT = 85.25 L = 118 LF 15" HDPE (TO CB10) S = 0.0055 FT/FT	TB20 (REFER TO TREEBOX DETAIL) OVERFLOW RIM = 88.4 INV. OUT = 83.5 L = 13 LF 12" HDPE (TO CB208) S = 0.0077 FT/FT	
CB9 RIM = 90.6 INV. OUT = 86.6 L = 34 LF 12" HDPE (TO CB10) S = 0.0176 FT/FT	CB20A RIM = 87.0 INV. OUT = 82.7 L = 45 LF 12" HDPE (TO CB208) S = 0.0067 FT/FT	
CB10 RIM = 90.0 INV. IN = 84.6 (SE) INV. IN = 85.0 (NW) INV. OUT (WITH HOOD) = 84.35 L = 25 LF 18" HDPE (TO DMH11) S = 0.0060 FT/FT	CB208 (5' I.D.) RIM = 89.0 INV. IN = 83.4 (NE) INV. IN = 83.2 (NW) INV. IN = 82.4 (SE) INV. OUT = 82.15 L = 29 LF 15" HDPE (TO CB23) S = 0.0069 FT/FT	
DMH11 RIM = 91.2 INV. IN = 84.2 INV. OUT = 83.92 REFER TO GALLERY #2 DETAILS	F121 RIM = 85.8 INV. IN = 81.8 INV. OUT = 81.7 L = 235 LF 12" HDPE (TO F121A) S = 0.0050 FT/FT	
DMH12 RIM = 92.9 INV. IN = 84.96 (24" MANIFOLD) INV. OUT = 85.5 L = 65 LF 24" HDPE (TO DMH14) S = 0.0092 FT/FT	F121A RIM = 85.0 INV. IN = 80.5 EX. INV. OUT = 80.2	
F113 RIM = 86.6 INV. OUT = 82.3 L = 89 LF 12" HDPE (TO F121) S = 0.0056 FT/FT	CB22 RIM = 88.5 INV. IN = 82.6 L = 113 LF 15" HDPE (TO CB23) S = 0.0058 FT/FT	



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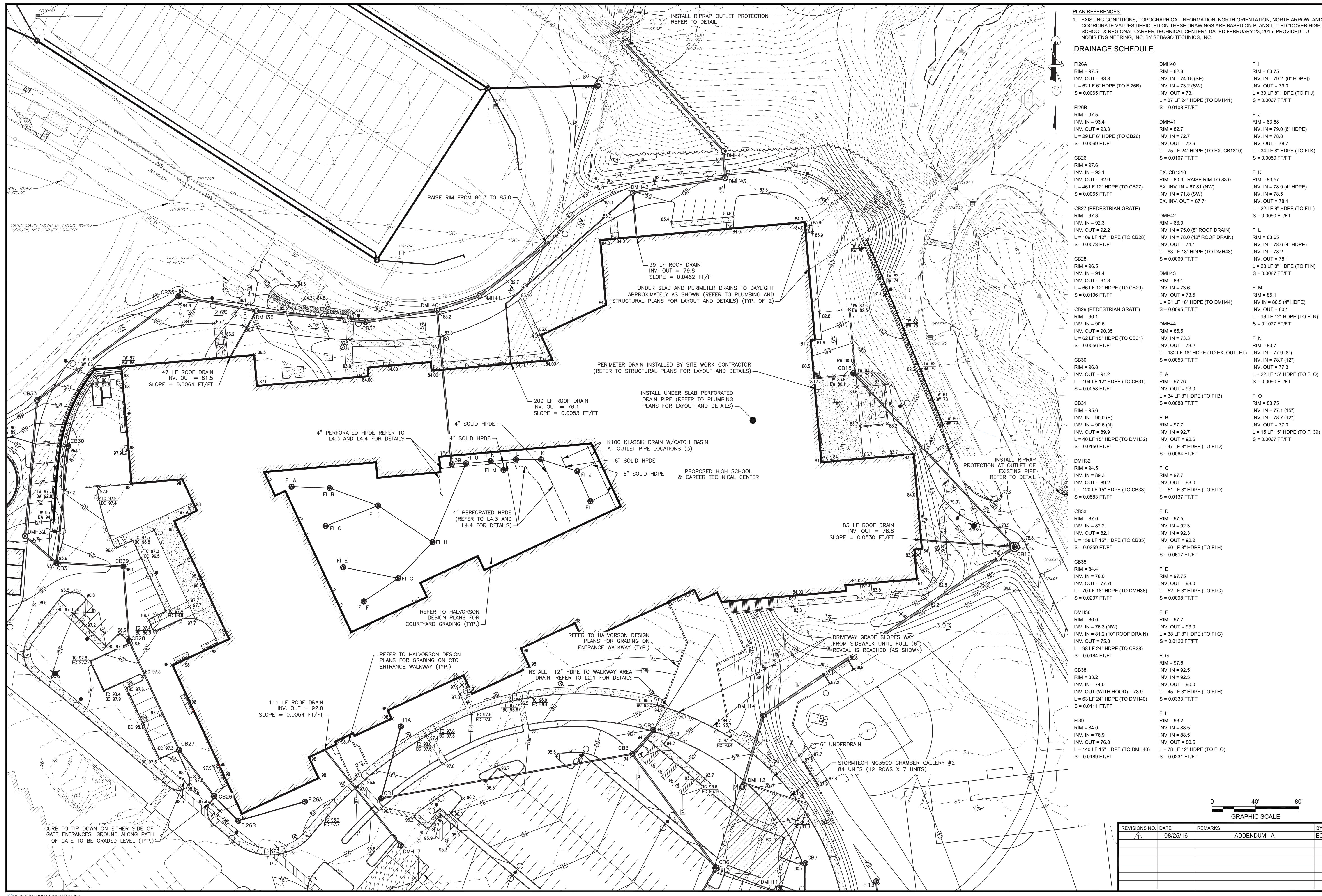
**Dover HS / CTC**  
**Dover, NH**  
**GRADING AND DRAINAGE PLAN**

DRAWN BY: EC      CHECKED BY: ERL  
 SCALE: 1" = 40'  
 DRAWING NUMBER: **C-3.1**

DOVER PLAN NO. P16.12  
 JOB NUMBER B91201-01

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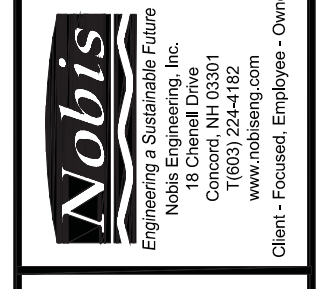
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 1. EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED 'DOVER HIGH SCHOOL & REGIONAL CAREER TECHNICAL CENTER', DATED FEBRUARY 23, 2015, PROVIDED TO NOBIS ENGINEERING, INC. BY SEBAGO TECHNICS, INC.

**DRAINAGE SCHEDULE**

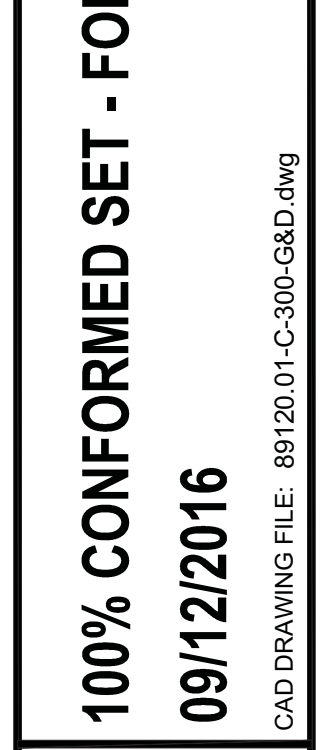
<b>F126A</b> RIM = 97.5 INV. OUT = 93.8 L = 62 LF 6" HDPE (TO F126B) S = 0.0065 FT/FT	<b>DMH40</b> RIM = 82.8 INV. IN = 74.15 (SE) INV. IN = 73.2 (SW) INV. OUT = 73.1 L = 37 LF 24" HDPE (TO DMH41) S = 0.0108 FT/FT	<b>F11</b> RIM = 83.75 INV. IN = 79.2 (6" HDPE) INV. OUT = 79.0 L = 30 LF 6" HDPE (TO F1 J) S = 0.0067 FT/FT
<b>F126B</b> RIM = 97.5 INV. IN = 93.4 INV. OUT = 93.3 L = 29 LF 6" HDPE (TO CB26) S = 0.0065 FT/FT	<b>DMH41</b> RIM = 82.7 INV. IN = 72.7 INV. OUT = 72.6 L = 75 LF 24" HDPE (TO EX. CB1310) S = 0.0107 FT/FT	<b>F1 J</b> RIM = 83.68 INV. IN = 79.0 (6" HDPE) INV. IN = 78.8 INV. OUT = 78.7 L = 34 LF 6" HDPE (TO F1 K) S = 0.0059 FT/FT
<b>CB26</b> RIM = 97.6 INV. IN = 92.6 INV. OUT = 92.6 L = 46 LF 12" HDPE (TO CB27) S = 0.0065 FT/FT	<b>EX. CB1310</b> RIM = 80.3 RAISE RIM TO 83.0 INV. IN = 67.81 (NW) INV. IN = 71.9 (SW) EX. INV. OUT = 67.71	<b>F1 K</b> RIM = 83.57 INV. IN = 78.9 (4" HDPE) INV. IN = 78.5 INV. OUT = 78.4 L = 22 LF 6" HDPE (TO F1 L) S = 0.0060 FT/FT
<b>CB27 (PEDESTRIAN GRATE)</b> RIM = 97.3 INV. IN = 92.3 INV. OUT = 92.2 L = 199 LF 12" HDPE (TO CB28) S = 0.0073 FT/FT	<b>DMH42</b> RIM = 83.0 INV. IN = 75.0 (6" ROOF DRAIN) INV. IN = 78.0 (12" ROOF DRAIN) INV. OUT = 74.1 L = 83 LF 18" HDPE (TO DMH43) S = 0.0060 FT/FT	<b>F1 L</b> RIM = 83.65 INV. IN = 78.6 (4" HDPE) INV. IN = 78.2 INV. OUT = 78.1 L = 23 LF 6" HDPE (TO F1 N) S = 0.0067 FT/FT
<b>CB28</b> RIM = 96.5 INV. IN = 91.3 L = 66 LF 12" HDPE (TO CB29) S = 0.0106 FT/FT	<b>DMH43</b> RIM = 83.1 INV. IN = 73.6 INV. OUT = 73.5 L = 21 LF 18" HDPE (TO DMH44) S = 0.0055 FT/FT	<b>F1 M</b> RIM = 85.1 INV. IN = 80.9 (4" HDPE) INV. IN = 79.2 L = 13 LF 12" HDPE (TO F1 N) S = 0.1077 FT/FT
<b>CB29 (PEDESTRIAN GRATE)</b> RIM = 96.1 INV. IN = 90.6 INV. OUT = 89.5 L = 62 LF 15" HDPE (TO CB31) S = 0.0058 FT/FT	<b>DMH44</b> RIM = 85.5 INV. IN = 73.3 INV. OUT = 73.2 L = 132 LF 18" HDPE (TO EX. OUTLET) S = 0.0053 FT/FT	<b>F1 N</b> RIM = 83.7 INV. IN = 77.9 (8") INV. IN = 77.7 (12") INV. OUT = 77.3 L = 22 LF 15" HDPE (TO F1 O) S = 0.0060 FT/FT
<b>CB30</b> RIM = 96.8 INV. OUT = 91.2 L = 104 LF 12" HDPE (TO CB31) S = 0.0058 FT/FT	<b>F1 A</b> RIM = 97.7 INV. IN = 93.0 L = 34 LF 6" HDPE (TO F1 B) S = 0.0088 FT/FT	<b>F1 O</b> RIM = 83.75 INV. IN = 77.1 (15") INV. IN = 78.7 (12") INV. OUT = 77.0 L = 15 LF 15" HDPE (TO F1 P) S = 0.0067 FT/FT
<b>CB31</b> RIM = 95.6 INV. IN = 90.0 (E) INV. IN = 90.6 (N) INV. OUT = 89.9 L = 48 LF 15" HDPE (TO DMH42) S = 0.0150 FT/FT	<b>F1 B</b> RIM = 97.7 INV. IN = 90.6 (N) INV. IN = 92.7 L = 47 LF 6" HDPE (TO F1 D) S = 0.0064 FT/FT	<b>F1 P</b> RIM = 83.75 INV. IN = 77.1 (15") INV. IN = 78.7 (12") INV. OUT = 77.0 L = 15 LF 15" HDPE (TO F1 Q) S = 0.0067 FT/FT
<b>DMH42</b> RIM = 94.5 INV. IN = 89.3 INV. OUT = 89.2 L = 120 LF 15" HDPE (TO CB33) S = 0.0083 FT/FT	<b>F1 C</b> RIM = 97.7 INV. OUT = 93.0 L = 51 LF 6" HDPE (TO F1 D) S = 0.0137 FT/FT	<b>F1 Q</b> RIM = 83.75 INV. IN = 77.1 (15") INV. IN = 78.7 (12") INV. OUT = 77.0 L = 15 LF 15" HDPE (TO F1 R) S = 0.0067 FT/FT
<b>CB33</b> RIM = 87.0 INV. IN = 82.2 INV. OUT = 82.1 L = 158 LF 15" HDPE (TO CB35) S = 0.0226 FT/FT	<b>F1 D</b> RIM = 97.5 INV. IN = 92.3 INV. IN = 92.3 INV. OUT = 92.2 L = 60 LF 6" HDPE (TO F1 H) S = 0.0617 FT/FT	<b>F1 R</b> RIM = 83.75 INV. IN = 77.1 (15") INV. IN = 78.7 (12") INV. OUT = 77.0 L = 15 LF 15" HDPE (TO F1 S) S = 0.0067 FT/FT
<b>CB35</b> RIM = 84.4 INV. IN = 78.0 INV. OUT = 77.75 L = 70 LF 18" HDPE (TO DMH36) S = 0.0207 FT/FT	<b>F1 E</b> RIM = 97.75 INV. OUT = 93.0 L = 52 LF 6" HDPE (TO F1 G) S = 0.0098 FT/FT	<b>F1 S</b> RIM = 83.75 INV. IN = 77.1 (15") INV. IN = 78.7 (12") INV. OUT = 77.0 L = 15 LF 15" HDPE (TO F1 T) S = 0.0067 FT/FT
<b>DMH36</b> RIM = 86.0 INV. IN = 78.3 (NW) INV. IN = 81.2 (10" ROOF DRAIN) INV. OUT = 75.8 L = 98 LF 24" HDPE (TO CB38) S = 0.0184 FT/FT	<b>F1 F</b> RIM = 97.7 INV. OUT = 93.0 L = 36 LF 6" HDPE (TO F1 G) S = 0.0132 FT/FT	<b>F1 T</b> RIM = 83.75 INV. IN = 77.1 (15") INV. IN = 78.7 (12") INV. OUT = 77.0 L = 15 LF 15" HDPE (TO F1 U) S = 0.0067 FT/FT
<b>CB38</b> RIM = 83.2 INV. IN = 78.0 INV. OUT (WITH HOOD) = 73.9 L = 63 LF 24" HDPE (TO DMH40) S = 0.0111 FT/FT	<b>F1 G</b> RIM = 97.6 INV. IN = 92.5 INV. IN = 92.5 L = 45 LF 6" HDPE (TO F1 H) S = 0.0333 FT/FT	<b>F1 U</b> RIM = 83.2 INV. IN = 78.0 INV. OUT = 76.8 L = 140 LF 15" HDPE (TO DMH40) S = 0.0189 FT/FT
<b>F139</b> RIM = 84.0 INV. IN = 78.9 INV. OUT = 76.8 L = 140 LF 15" HDPE (TO DMH40) S = 0.0189 FT/FT	<b>F1 H</b> RIM = 93.2 INV. IN = 88.5 INV. IN = 88.5 INV. OUT = 89.5 L = 78 LF 12" HDPE (TO F1 O) S = 0.0231 FT/FT	



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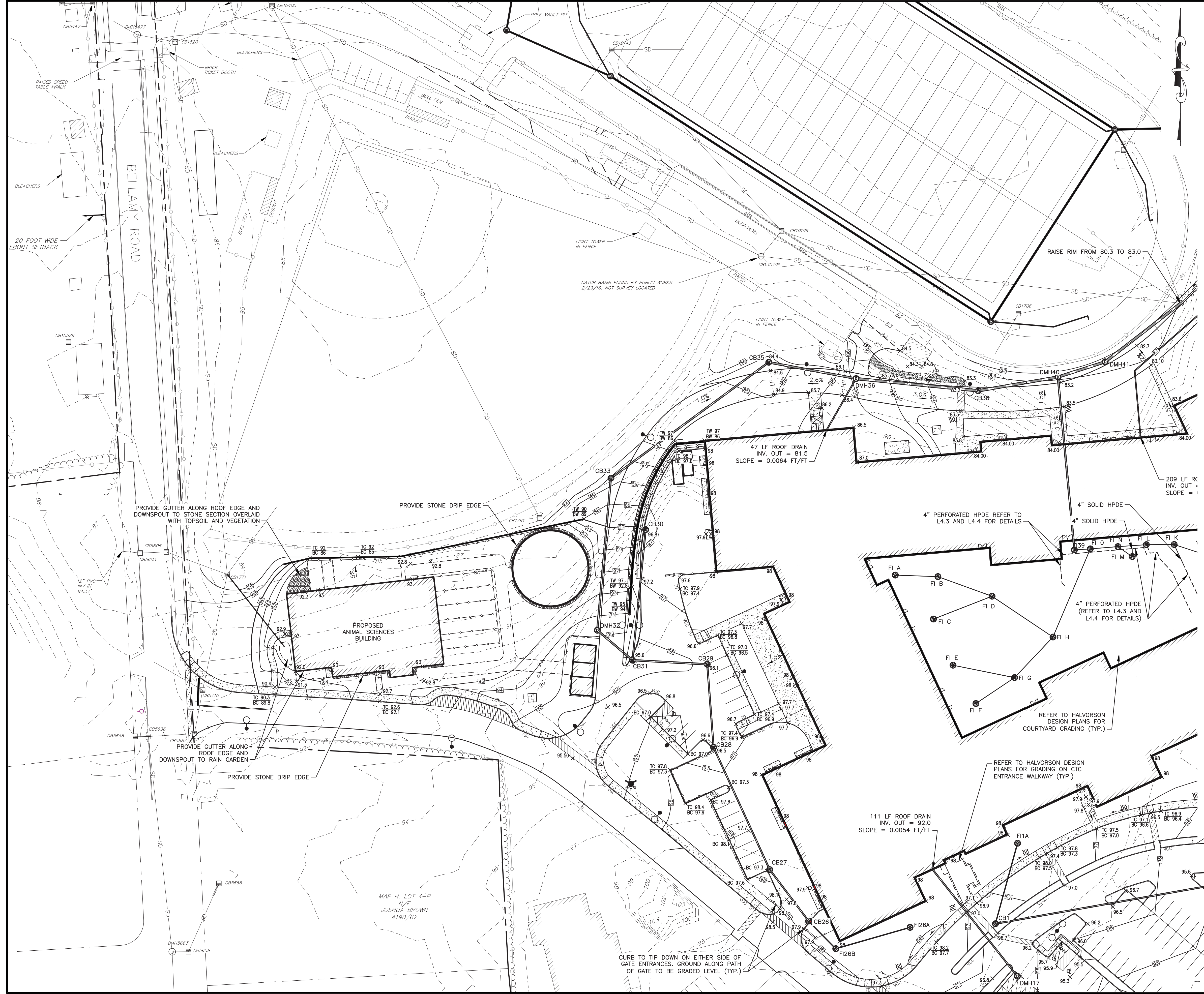
**Dover HS / CTC**  
 Dover, NH  
**GRADING AND DRAINAGE PLAN**

SCALE: 1" = 40'  
 DRAWN BY: EC  
 CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY
1	08/25/16	ADDENDUM - A	EC

**C-3.2**


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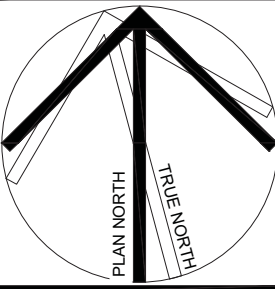
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MAIN NORTH

**Dover HS / CTC**  
 Dover, NH  
**GRADING AND DRAINAGE PLAN**  
 SCALE: 1" = 40'  
 DRAWN BY: EC    CHECKED BY: ERL

DRAWING NUMBER  
**C-3.3**  
 DOVER PLAN NO. P16.12  
 JOB NUMBER 89120101

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**PLAN REFERENCES:**

- REFER TO C1 FOR NOTES.
- "FINAL FOUNDATION ENGINEERING REPORT, DOVER HIGH SCHOOL, DOVER, NEW HAMPSHIRE", DATED NOVEMBER 2, 2015, PREPARED BY MOPHA ASSOCIATES, LLC PROVIDES PERIMETER DRAIN AND UNDERSLAB DRAINAGE RECOMMENDATIONS ON PAGE 9 AS FOLLOWS:

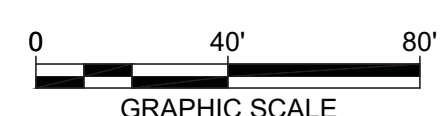
"WHERE THE LOWEST LEVEL OF FLOOR SLABS WILL BE ELEVATION +0.4, THE SLABS SHOULD BE UNDERLAIN BY A MINIMUM 9-INCH THICKNESS OF 3/4-INCH CRUSHED STONE OVERLYING A CONTINUOUS THICKNESS OF FILTER FABRIC, SUCH AS MIRAF1 140N. SINCE PORTIONS OF THE EXTERIOR FINISHED GRADES WILL BE HIGHER THAN THE PROPOSED SLAB, BOTH UNDERSLAB AND PERIMETER FOUNDATION DRAINAGE WILL BE REQUIRED. THE PERIMETER DRAIN LINES SHOULD BE LOCATED ADJACENT TO THE EXTERIOR OF THE FOUNDATION WALLS AND CONSIST OF 4-INCH DIAMETER PERFORATED PVC PIPES HAVING THEIR INVERTS LOCATED NO HIGHER THAN 12 INCHES BELOW THE BOTTOM OF THE FLOOR SLAB, AND PITCHED DOWN AT A MINIMUM 0.5 PERCENT SLOPE IN THE DIRECTION OF FLOW.

THE PERIMETER DRAIN PIPE SHOULD BE EMBEDDED WITHIN A MINIMUM 6-INCH THICKNESS OF 3/4-INCH CRUSHED STONE WHICH IS SURROUNDED BY FILTER FABRIC AND BACKFILLED WITH FREE-DRAINING GRAVEL FILL. THE EXTERIOR WALLS SHOULD BE BACKFILLED WITH A MINIMUM TWO-FOOT WIDE "CHIMNEY" OF FREE-DRAINING COMPACTED GRAVEL FILL. THE CHIMNEY OF FREE-DRAINING GRAVEL FILL SHOULD EXTEND VERTICALLY TO WITHIN TWO FEET OF FINISHED GRADE. WHERE THE ADJACENT FINISHED EXTERIOR SURFACE TREATMENT DOES NOT CONSIST OF PAVEMENT, THE UPPER TWO FEET OF FOUNDATION WALL BACKFILL SHOULD CONSIST OF AN IMPERVIOUS ORDINARY FILL CONTAINING A MINIMUM OF 30 PERCENT BY WEIGHT PASSING THE NUMBER 200 SIEVE. ROOF DRAINS SHOULD BE PIPED AWAY FROM THE BUILDING AREA AND FINISHED EXTERIOR GRADES SHOULD BE SEPARATE AND PITCHED AWAY FROM THE PERIMETER WALLS TO MINIMIZE SURFACE WATER INFILTRATION.

AS AN ALTERNATIVE TO PROVIDING THE GRAVEL "CHIMNEY" AT THE EXTERIOR WALL, A PREFABRICATED DRAINAGE BOARD, SUCH AS MIRADRRAIN 6000, MAY BE PLACED AGAINST THE FOUNDATION WALL AND BACKFILLED WITH ORDINARY FILL. THE MIRADRRAIN 6000 SHOULD BE TIED DIRECTLY INTO THE CRUSHED STONE ENVELOPE SURROUNDING THE PERIMETER DRAIN. SHOULD A PREFABRICATED DRAINAGE STRUCTURE BE UTILIZED, THE PERIMETER WALLS MAY BE BACKFILLED WITH THE ON-SITE ORDINARY FILL.

THE UNDERSLAB DRAINAGE SYSTEM SHOULD CONSIST OF A NETWORK OF 4-INCH PERFORATED PVC PIPES EMBEDDED WITHIN THE 9-INCH THICK LAYER OF CRUSHED 3/4-INCH CRUSHED STONE. THE PVC PIPES SHOULD BE LOCATED APPROXIMATELY 40 FEET ON CENTER AND PITCHED AT A 0.5 PERCENT SLOPE IN THE DIRECTION OF FLOW. THE PERIMETER AND UNDERSLAB DRAINS SHOULD BE SEPARATE AND GRAVITY DRAINED TO A STORM DRAIN LINE WHICH IS NOT SUBJECT TO SURCHARGE."

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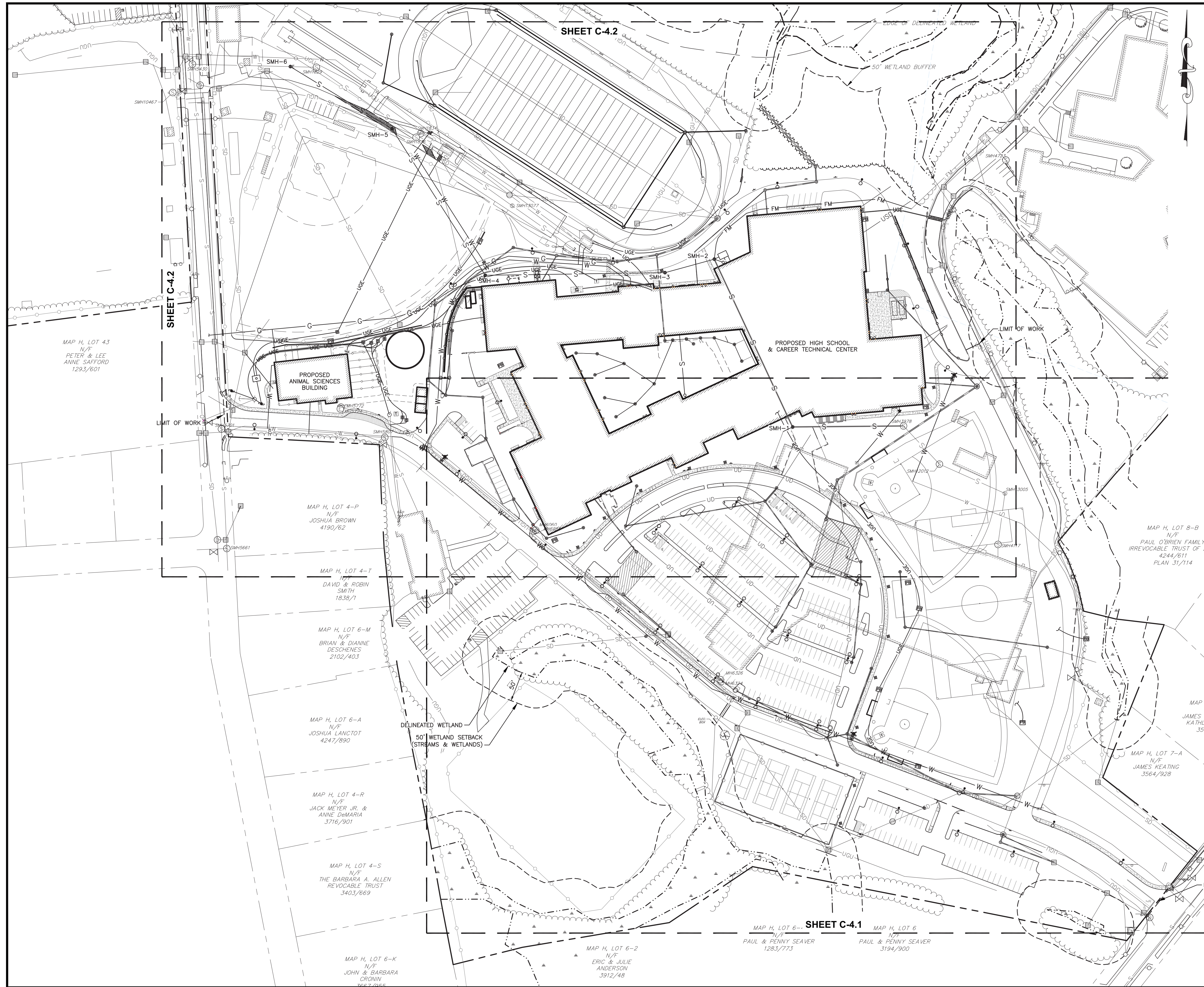
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**PARKING SUB-DRAINAGE PLAN**  
SCALE: 1" = 40'  
DRAWN BY: EC  
CHECKED BY: ERL

**C-3.4**

DOVER PLAN NO. FIG. 12  
JOB NUMBER 891201




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**NOTES:**  
 1. UNDERGROUND ELECTRIC, CABLE, PHONE, AND FIBER OPTIC TO BE INVESTIGATED FURTHER AND COORDINATED WITH GENERAL CONTRACTOR.  
 2. REFER TO ELECTRIC SITE PLAN FOR NUMBER, SIZE AND TYPE OF CONDUIT.

**EXISTING SEWER SCHEDULE**


SMH-1829	INV. IN (EX.)=76.04 (SE, 8", FROM SMH-4)
	INV. OUT (EX.)=75.84 (W, 12")
SMH-5430	INV. IN (EX.)=75.24 (E, 12", FROM SMH-1829)
	INV. IN (EX.)=79.69 (S, 12", FROM SMH-5701)
	INV. OUT (EX.)=75.09 (N, 12")
SMH-4117	INV. IN (EX.)=81.14 (S, 8", FROM EX. SCHOOL)
	INV. OUT (EX.)=81.09 (N, 8")
SMH-13005	INV. IN (EX.)=80.90 (S, 8", FROM SMH-4117)
	INV. OUT (EX.)=80.86 (NW, 8")
SMH-12012	INV. IN (EX.)=80.40 (SE, UNK, FROM SMH-13005)
	INV. OUT (EX.)=80.30 (NW, 8")
SMH-3928	INV. IN (EX.)=79.83 (SE, 8", FROM SMH-12012)
	INV. IN (EX.)=79.83 (W, 8")
SMH-5807	INV. IN (EX.)=86.95 (SE, 8", FROM EX. SCHOOL)
	INV. OUT (EX.)=86.80 (W, 8")
SMH-5701	INV. IN (EX.)=82.28 (E, 8", FROM SMH-5807)
	INV. IN (EX.)=82.08 (S, 8", FROM SMH-5661)
	INV. OUT (EX.)=82.08 (N, 8")



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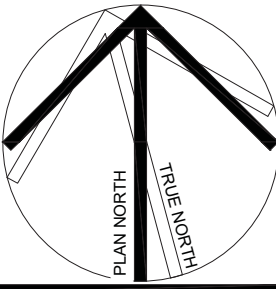
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MAP NORTH

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**UTILITY OVERVIEW PLAN**

SCALE: 1" = 80'      DRAWN BY: EC      CHECKED BY: ERL

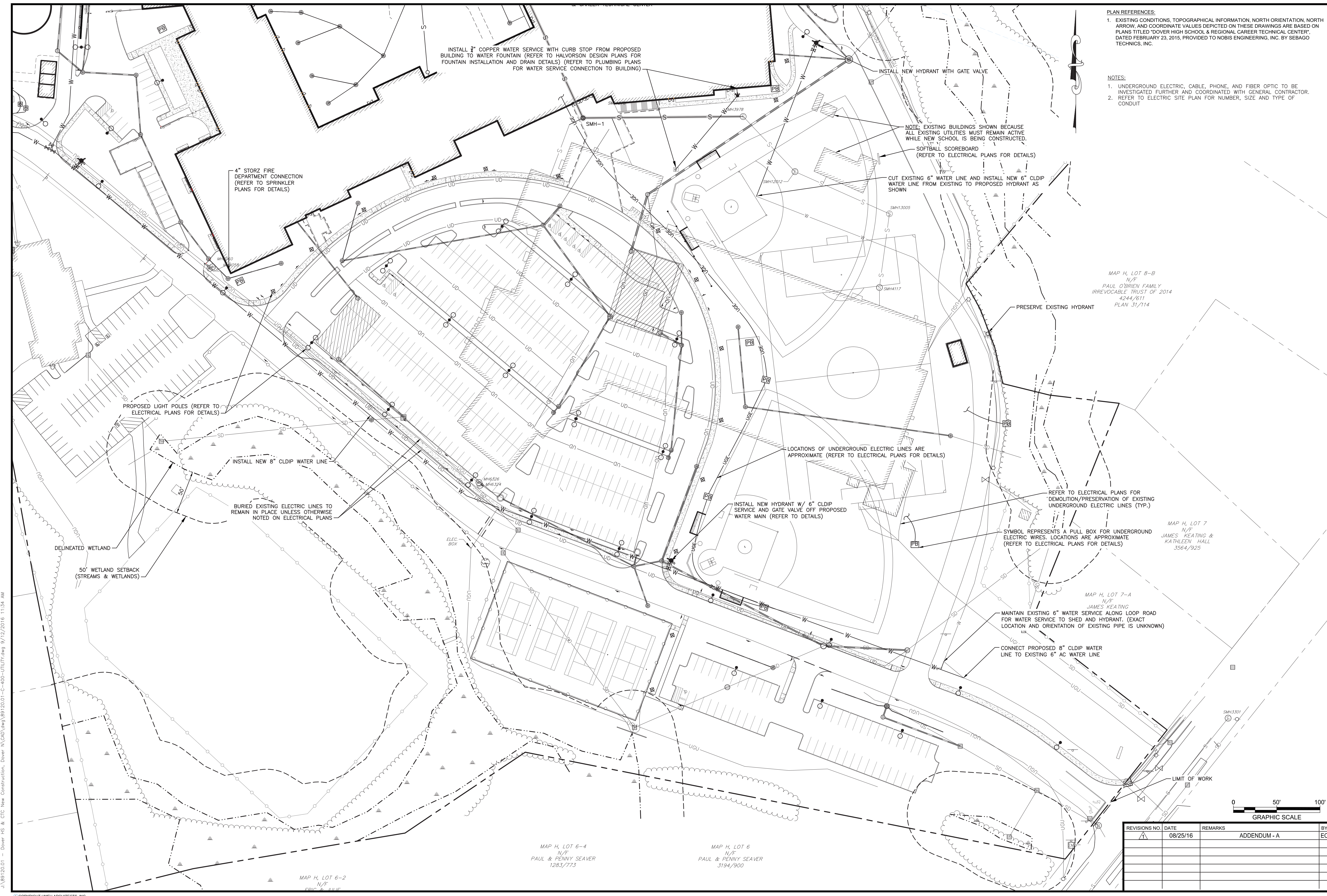
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C4

DOVER PLAN NO. P16.12      JOB NUMBER 891201-01

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**NOTES:**

- UNDERGROUND ELECTRIC, CABLE, PHONE, AND FIBER OPTIC TO BE INVESTIGATED FURTHER AND COORDINATED WITH GENERAL CONTRACTOR.
- REFER TO ELECTRIC SITE PLAN FOR NUMBER, SIZE AND TYPE OF CONDUIT

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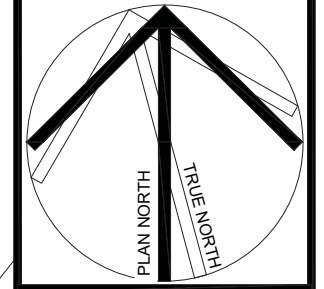
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Dover HS / CTC  
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**UTILITY PLAN**

SCALE: 1" = 50'

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CHECKED BY: ERL

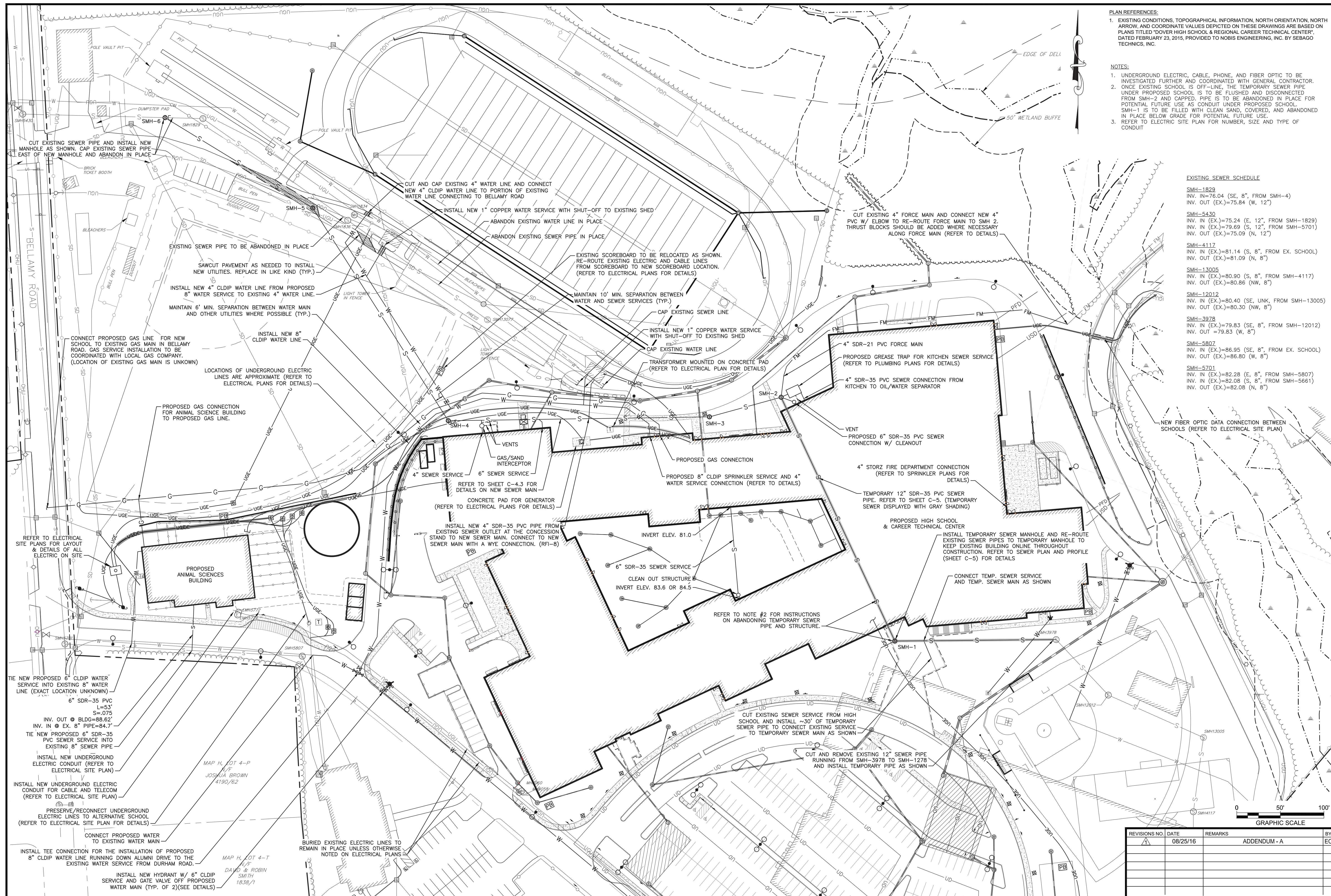
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1	08/25/16	ADDENDUM - A	EC

**C-4.1**

DOVER PLAN NO. FIG. 12  
JOB NUMBER 89120101

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**NOTES:**

- UNDERGROUND ELECTRIC, CABLE, PHONE, AND FIBER OPTIC TO BE INVESTIGATED FURTHER AND COORDINATED WITH GENERAL CONTRACTOR. ONCE EXISTING SCHOOL IS OFF-LINE, THE TEMPORARY SEWER PIPE UNDER PROPOSED SCHOOL IS TO BE FLUSHED AND DISCONNECTED FROM SMH-2 AND CAPPED. PIPE IS TO BE ABANDONED IN PLACE FOR POTENTIAL FUTURE USE AS CONDUIT UNDER PROPOSED SCHOOL. SMH-1 IS TO BE FILLED WITH CLEAN SAND, COVERED, AND ABANDONED IN PLACE BELOW GRADE FOR POTENTIAL FUTURE USE.
- REFER TO ELECTRIC SITE PLAN FOR NUMBER, SIZE AND TYPE OF CONDUIT.

**EXISTING SEWER SCHEDULE**

SMH-1829	INV. IN (EX.)=76.04 (SE, 8", FROM SMH-4)
	INV. OUT (EX.)=75.84 (W, 12")
SMH-5430	INV. IN (EX.)=75.24 (E, 12", FROM SMH-1829)
	INV. IN (EX.)=79.69 (S, 12", FROM SMH-5701)
	INV. OUT (EX.)=75.09 (N, 12")
SMH-4117	INV. IN (EX.)=81.14 (S, 8", FROM EX. SCHOOL)
	INV. OUT (EX.)=81.09 (N, 8")
SMH-13005	INV. IN (EX.)=80.90 (S, 8", FROM SMH-4117)
	INV. OUT (EX.)=80.86 (NW, 8")
SMH-12012	INV. IN (EX.)=80.40 (SE, UNK, FROM SMH-13005)
	INV. OUT (EX.)=80.30 (NW, 8")
SMH-3978	INV. IN (EX.)=79.83 (SE, 8", FROM SMH-12012)
	INV. OUT (EX.)=79.83 (W, 8")
SMH-5807	INV. IN (EX.)=86.95 (SE, 8", FROM EX. SCHOOL)
	INV. OUT (EX.)=86.80 (W, 8")
SMH-5701	INV. IN (EX.)=82.28 (E, 8", FROM SMH-5807)
	INV. IN (EX.)=82.08 (S, 8", FROM SMH-5661)
	INV. OUT (EX.)=82.08 (N, 8")

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**Dover, NH**  
**UTILITY PLAN**

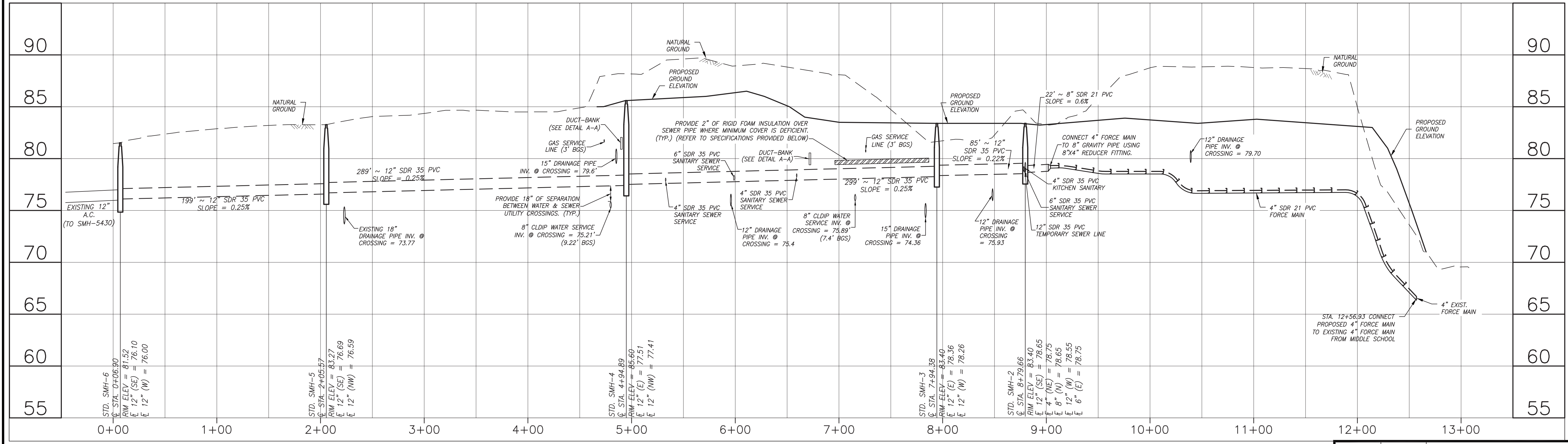
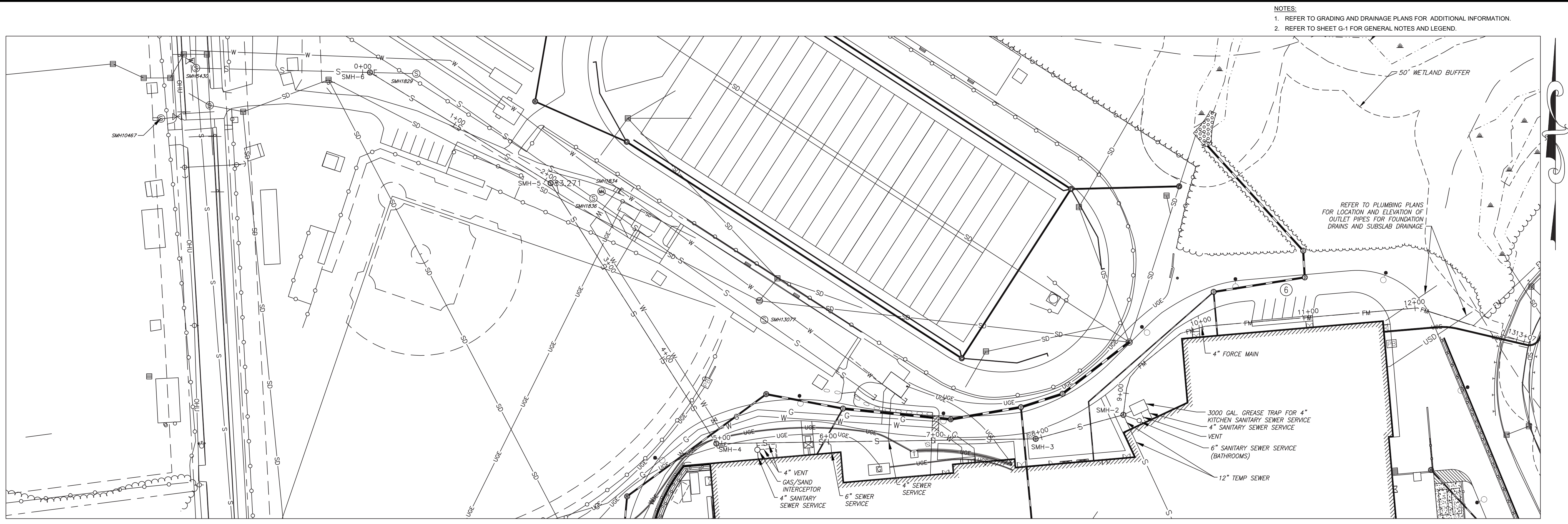
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DOVER PLAN NO. P16.12  
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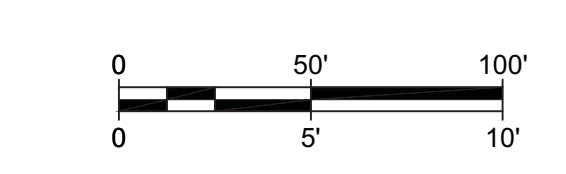
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PROFILE VIEW  
 HORIZ. SCALE: 1" = 50'  
 VERT. SCALE: 1" = 5'



- NOTE:
- BENEATH PAVEMENT SURFACES PROVIDE 4" (MIN.) COVER OVER SEWER PIPE
  - BENEATH PAVED SURFACES PROVIDE 6" (MIN.) COVER OVER SEWER PIPE
  - INSTALL 2" RIGID FOAM INSULATION ABOVE SEWER PIPE WHERE COVER IS DEFICIENT

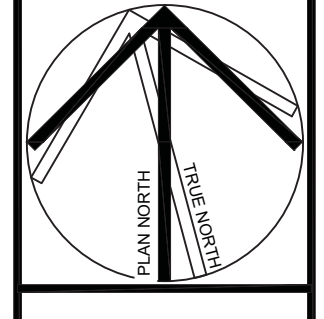
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**SEWER PLAN AND PROFILE**

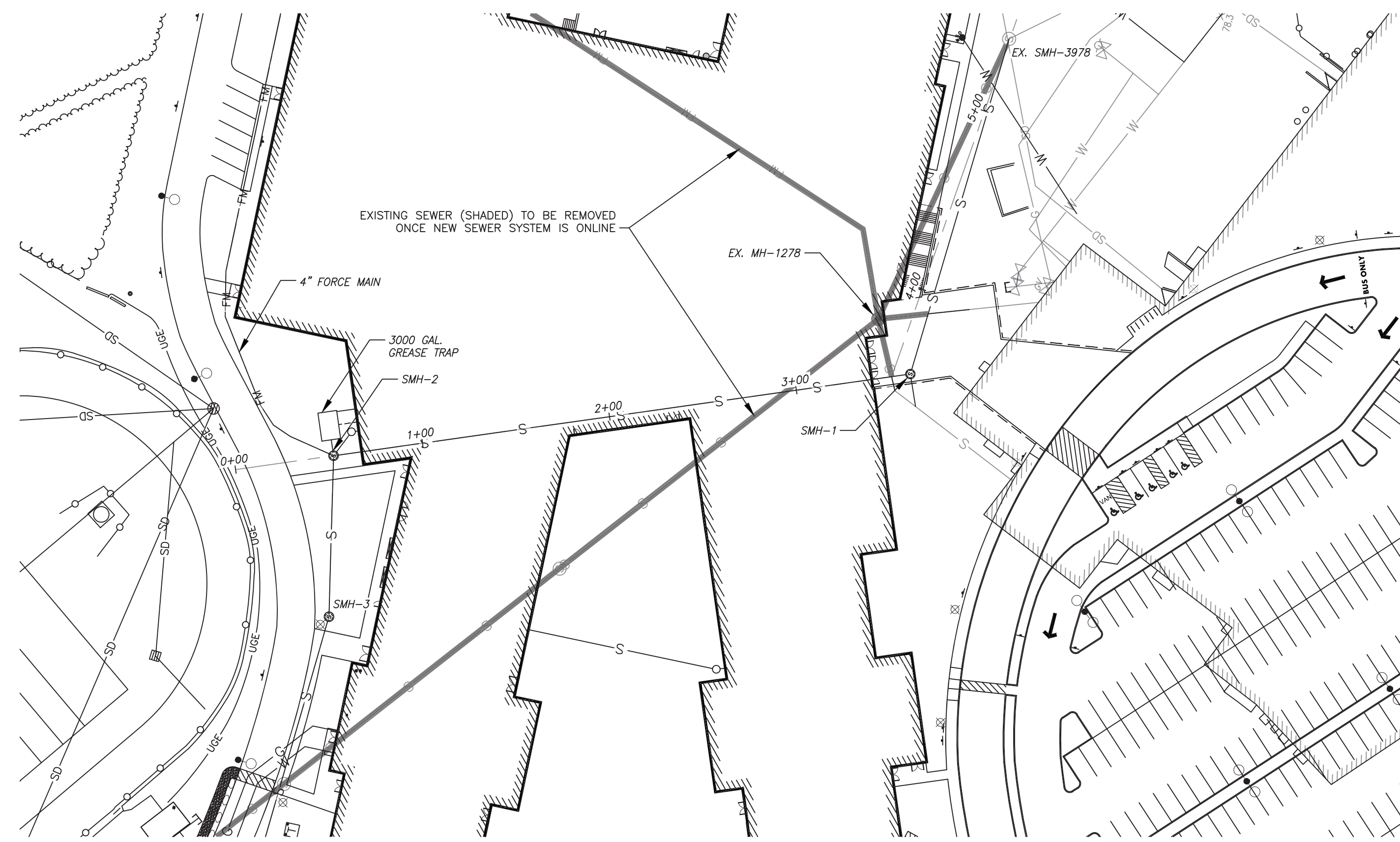
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DRAWING NUMBER  
**C-4.3**

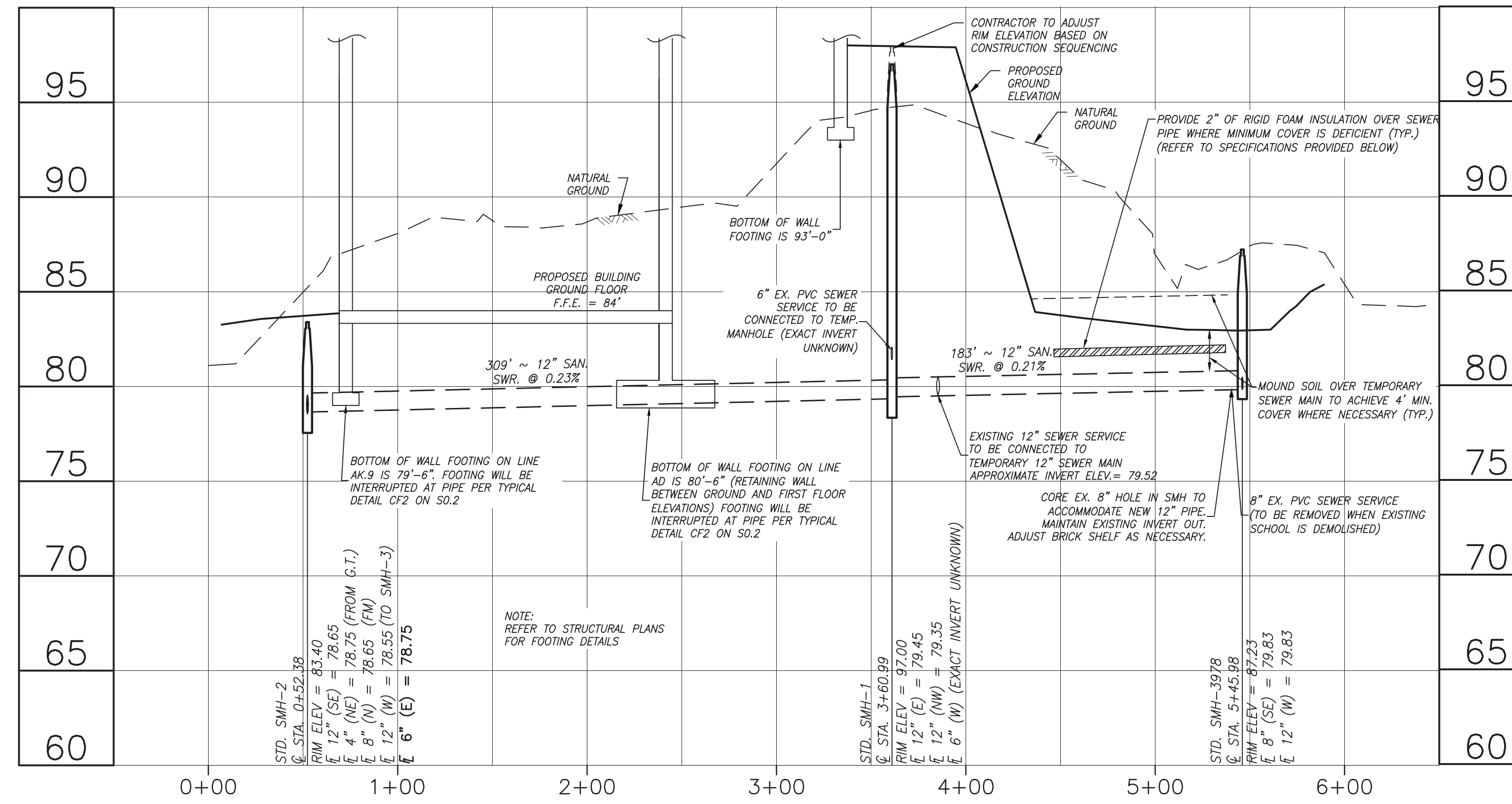
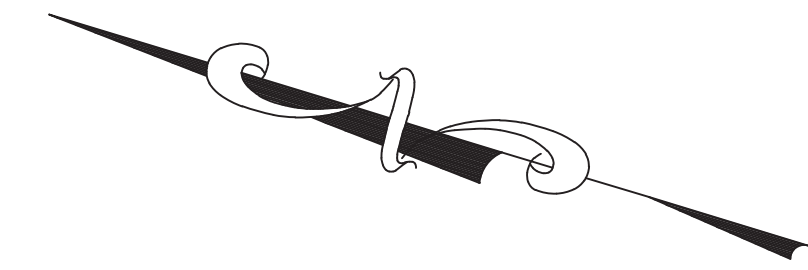
DOVER PLAN NO. P16.12  
 JOB NUMBER 891201

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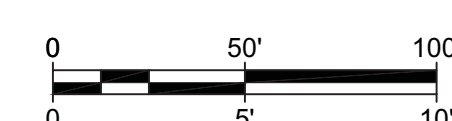
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- NOTES:
1. REFER TO GRADING AND DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
  2. REFER TO SHEET C-1 FOR GENERAL NOTES AND LEGEND.
  3. SMH-1 TO BE CAPPED AND FILLED BELOW PROPOSED GROUND SURFACE ONCE EXISTING BUILDING IS OFF-LINE.



PROFILE VIEW  
 HORIZ. SCALE: 1" = 50'  
 VERT. SCALE: 1" = 5'



- NOTE:
- BENEATH PAVEMENT SURFACES PROVIDE 4' (MIN.) COVER OVER SEWER PIPE
  - BENEATH PAVED SURFACES PROVIDE 6' (MIN.) COVER OVER SEWER PIPE
  - INSTALL 2" RIGID FOAM INSULATION ABOVE SEWER PIPE WHERE COVER IS DEFICIENT

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**TEMPORARY SEWER PLAN  
 AND PROFILE**

SCALE: 1" = 50'

CHECKED BY: ERL

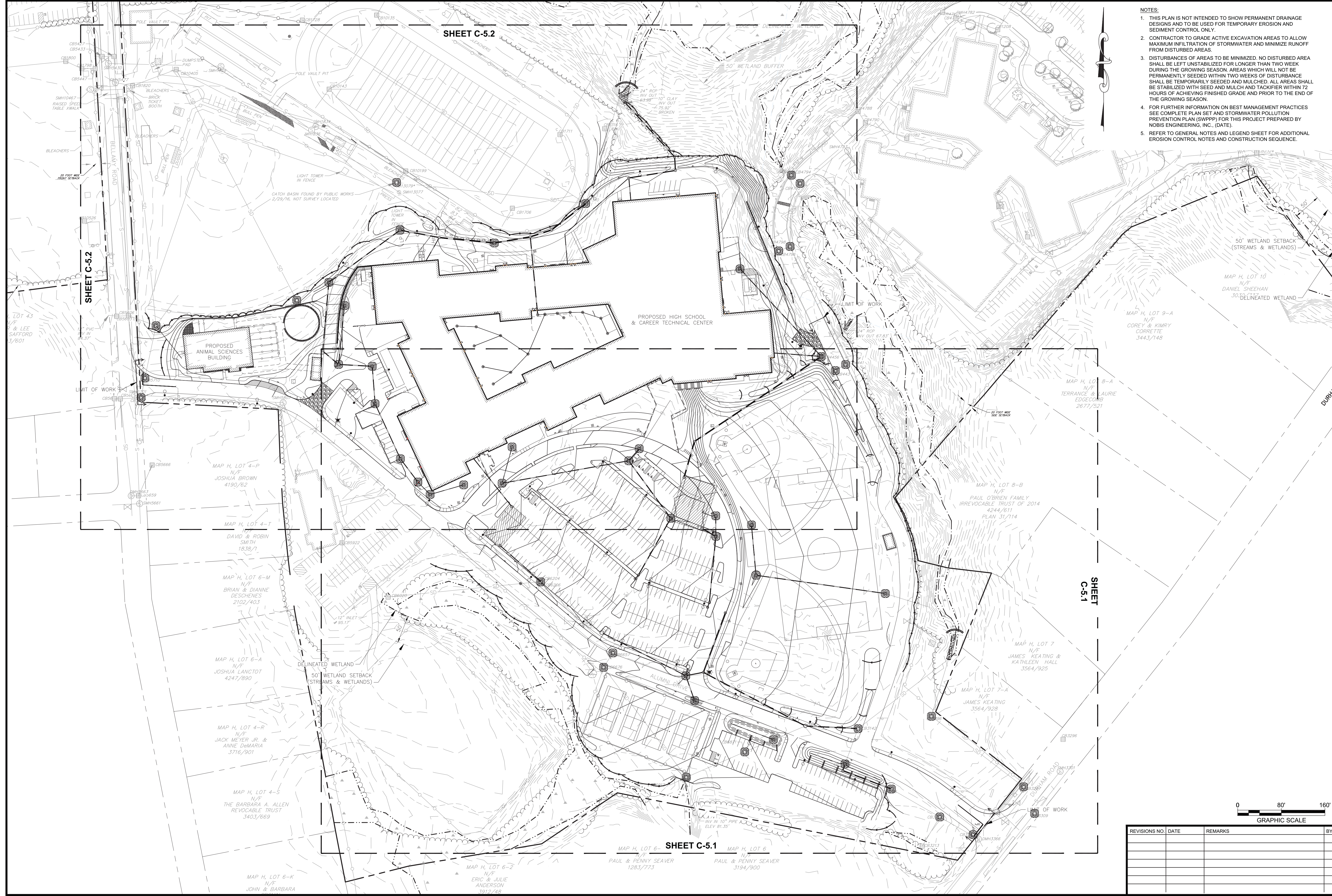
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**C-4.4**

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DOVER PLAN NO. P16.12  
 JOB NUMBER 891201

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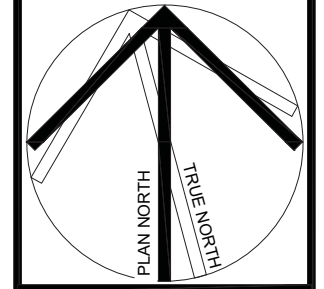


- NOTES:**
1. THIS PLAN IS NOT INTENDED TO SHOW PERMANENT DRAINAGE DESIGNS AND TO BE USED FOR TEMPORARY EROSION AND SEDIMENT CONTROL ONLY.
  2. CONTRACTOR TO GRADE ACTIVE EXCAVATION AREAS TO ALLOW MAXIMUM INFILTRATION OF STORMWATER AND MINIMIZE RUNOFF FROM DISTURBED AREAS.
  3. DISTURBANCES OF AREAS TO BE MINIMIZED. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON. AREAS WHICH WILL NOT BE PERMANENTLY SEEDED WITHIN TWO WEEKS OF DISTURBANCE SHALL BE TEMPORARILY SEEDED AND MULCHED. ALL AREAS SHALL BE STABILIZED WITH SEED AND MULCH AND TACKIFIER WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE AND PRIOR TO THE END OF THE GROWING SEASON.
  4. FOR FURTHER INFORMATION ON BEST MANAGEMENT PRACTICES SEE COMPLETE PLAN SET AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT PREPARED BY NOBIS ENGINEERING, INC. (DATE).
  5. REFER TO GENERAL NOTES AND LEGEND SHEET FOR ADDITIONAL EROSION CONTROL NOTES AND CONSTRUCTION SEQUENCE.

**HMFH ARCHITECTS**  
 100 Brattle Street, Suite 200  
 Cambridge, MA 02139  
 617.432.2200  
 @HMFHArch hmfh.com

**Nobis**  
 EROSION CONTROL ENGINEERS  
 1000 North Main Street  
 Dover, NH 03824  
 603.286.1234  
 Dover, Vermont, Engineer, Owner

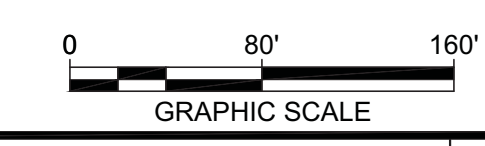
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**09/12/2016**  
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Checked by: ERL

Dover, NH  
**EROSION CONTROL OVERVIEW PLAN**  
 DRAWN BY: EC  
 SCALE: 1" = 80'

Dover, NH  
**C-5**  
 DRAWING NUMBER  
 DOWER PLAN NO. P16.12  
 JOB NUMBER 891201



REVISIONS NO.	DATE	REMARKS	BY

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- NOTES:
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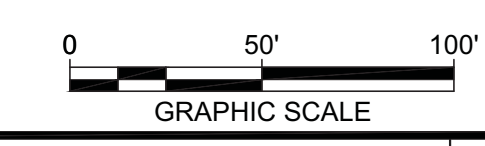
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N/E  
PAUL O'BRIEN FAMILY  
IRREVOCABLE TRUST OF 2014  
4244/911  
PLAN 31/114

MAP H, LOT 7  
N/E  
JAMES HEATING &  
KATHLEEN HALL  
3564/925

MAP H, LOT 6-4  
N/E  
PAUL & PENNY SEEVER  
1283/773

MAP H, LOT 6  
N/E  
PAUL & PENNY SEEVER  
3194/900

MAP H, LOT 6-2  
N/E



REVISIONS NO.	DATE	REMARKS	BY

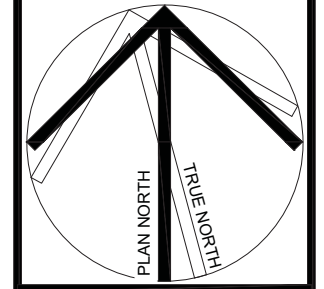
**HMFH ARCHITECTS**

100 Bedford Road, Dover, NH  
03824  
603.759.8177  
@HMFHArch hmfh.com

**Nobis**

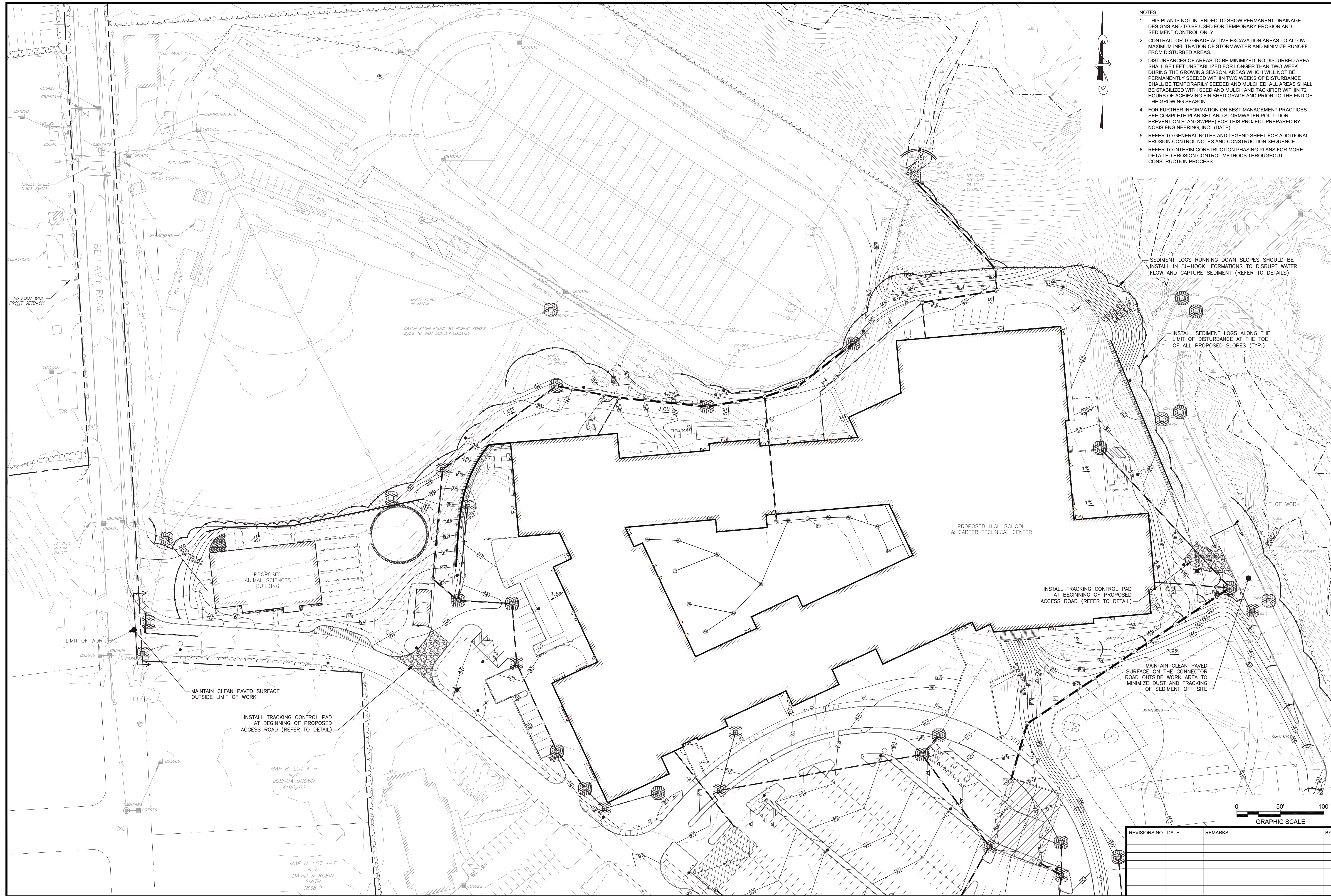
Professional Services, Inc.  
1000 North Main Street  
Dover, NH 03824  
603.759.8177  
www.nobis-engineering.com

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**09/12/2016**  
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Dover HS / CTC  
Dover, NH  
**EROSION CONTROL PLAN**  
SCALE: 1" = 50'  
DRAWN BY: EC  
CHECKED BY: ERL

DRAWING NUMBER  
**C-5.1**  
DOVER PLAN NO. FIG. 12  
JOB NUMBER 891201.01



- NOTES:**
1. THIS PLAN IS NOT INTENDED TO SHOW PERMANENT DRAINAGE DESIGNS AND TO BE USED FOR TEMPORARY EROSION AND SEDIMENT CONTROL ONLY.
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**HMFH ARCHITECTS**  
 100 Brattle Street, Suite 200  
 Cambridge, MA 02139  
 617.492.2200  
 @HMFHArch hmfh.com

**Nobis**  
 ENGINEERING & ARCHITECTURE, INC.  
 100 Cambridge Street, Suite 200  
 Cambridge, MA 02142  
 617.492.2200  
 nobis.com  
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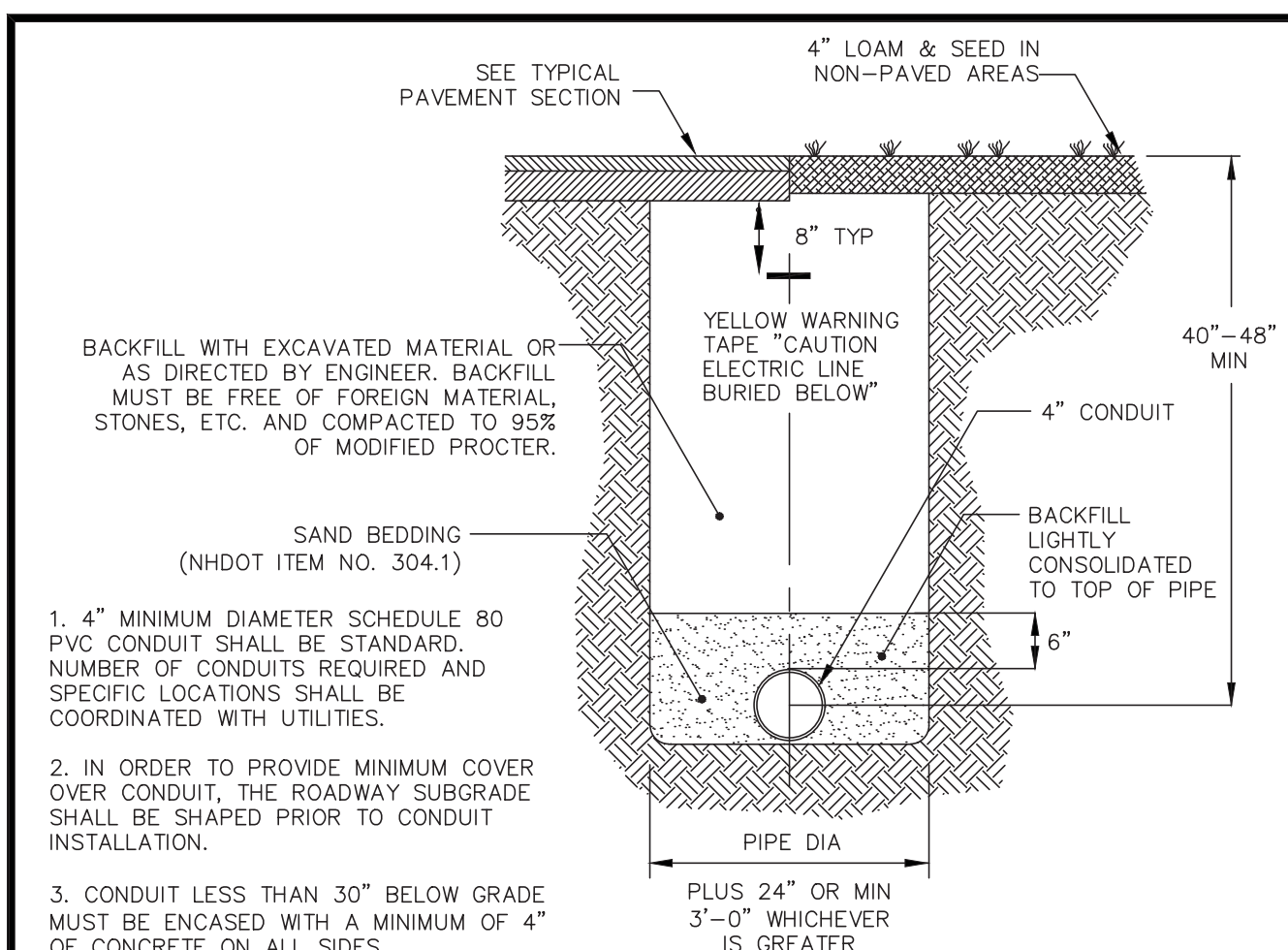
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**09/12/2016**  
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**Dover HS / CTC**  
 Dover, NH  
**EROSION CONTROL PLAN**  
 SCALE: 1" = 50'  
 DRAWN BY: EC CHECKED BY: ERL

**C-5.2**  
 DRAWING NUMBER  
 DOVER PLAN NO. FIG. 12  
 JOB NUMBER 891201

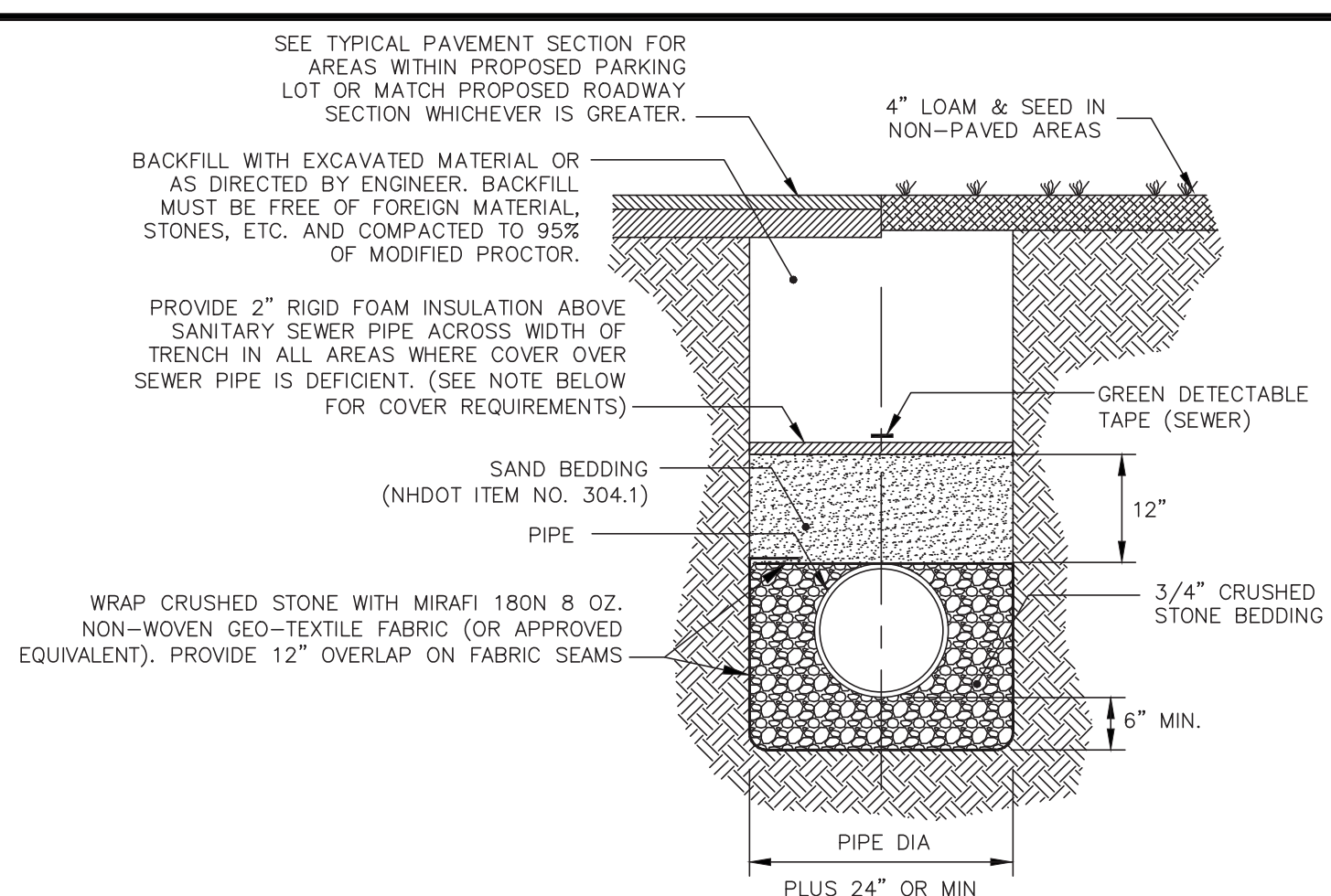
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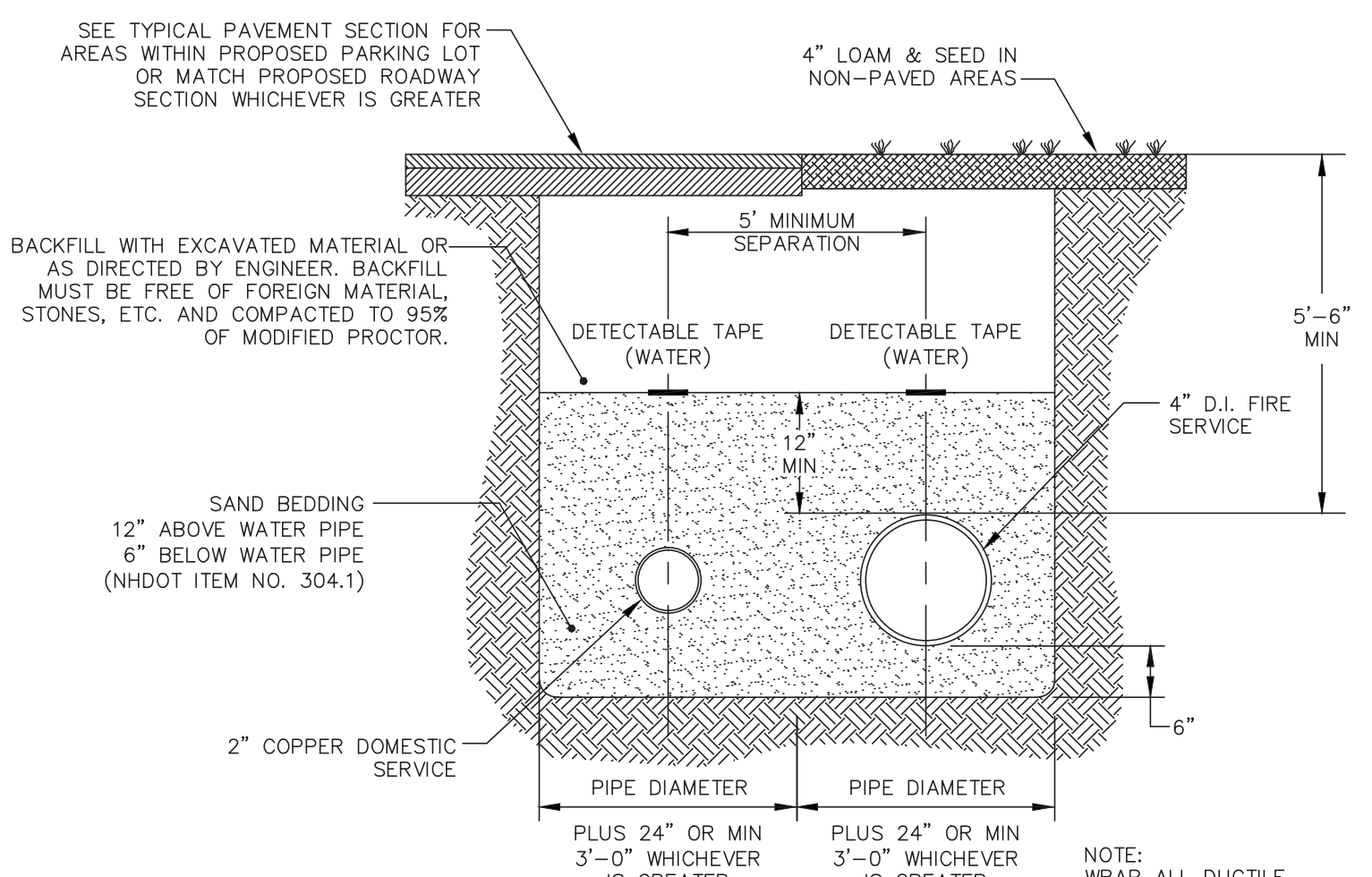
- 4" MINIMUM DIAMETER SCHEDULE 80 PVC CONDUIT SHALL BE STANDARD. NUMBER OF CONDUITS REQUIRED AND SPECIFIC LOCATIONS SHALL BE COORDINATED WITH UTILITIES.
- IN ORDER TO PROVIDE MINIMUM COVER OVER CONDUIT, THE ROADWAY SUBGRADE SHALL BE SHARPED PRIOR TO CONDUIT INSTALLATION.
- CONDUIT LESS THAN 30" BELOW GRADE MUST BE ENCASED WITH A MINIMUM OF 4" OF CONCRETE ON ALL SIDES.

**TYPICAL UNDERGROUND CONDUIT TRENCH DETAIL**  
NOT TO SCALE



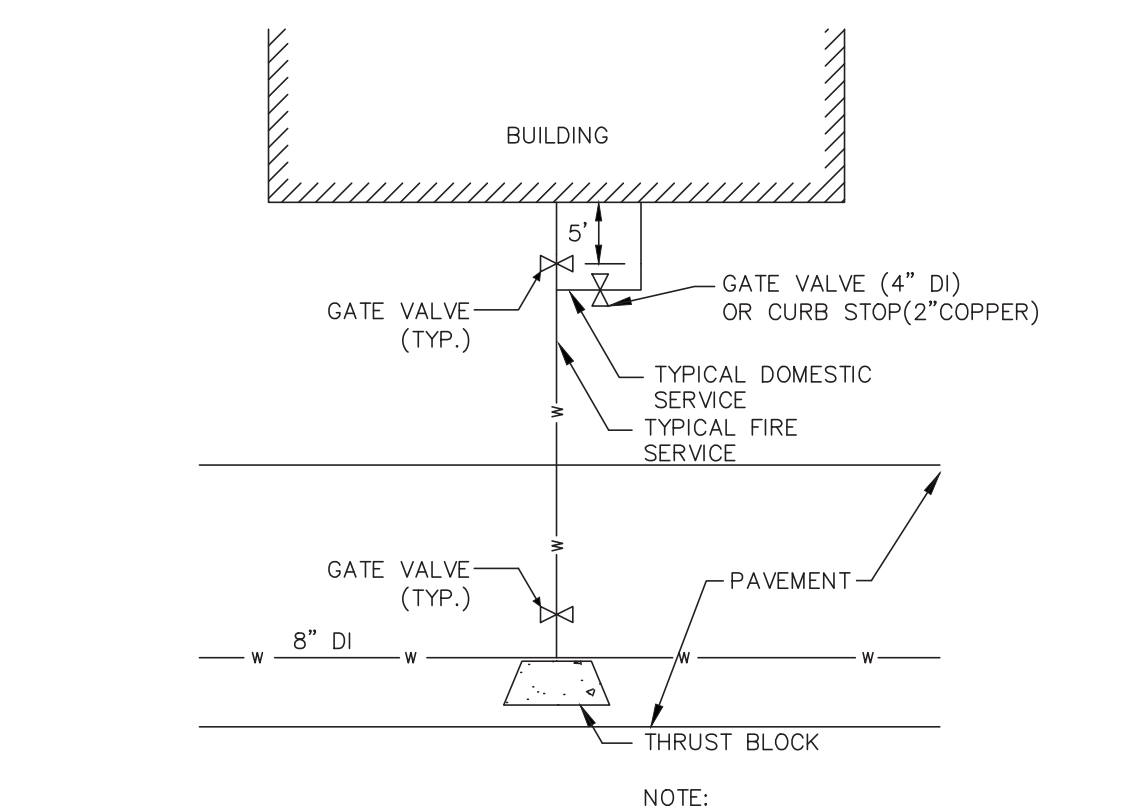
- IF BEDROCK LEDGE IS ENCOUNTERED, OVER-EXCAVATE AT LEAST 12" BELOW THE BOTTOM OF SEWER PIPE PER ENV-WQ 704.11(C).
- PROVIDE 4" MIN. COVER ABOVE SAN. SEWER PIPE UNDER PAVEMENT SURFACES.
- PROVIDE 6" MIN. COVER ABOVE SAN. SEWER PIPE UNDER PAVED SURFACES AND WALKWAYS.

**TYPICAL SANITARY/STORM SEWER TRENCH DETAIL**  
NOT TO SCALE

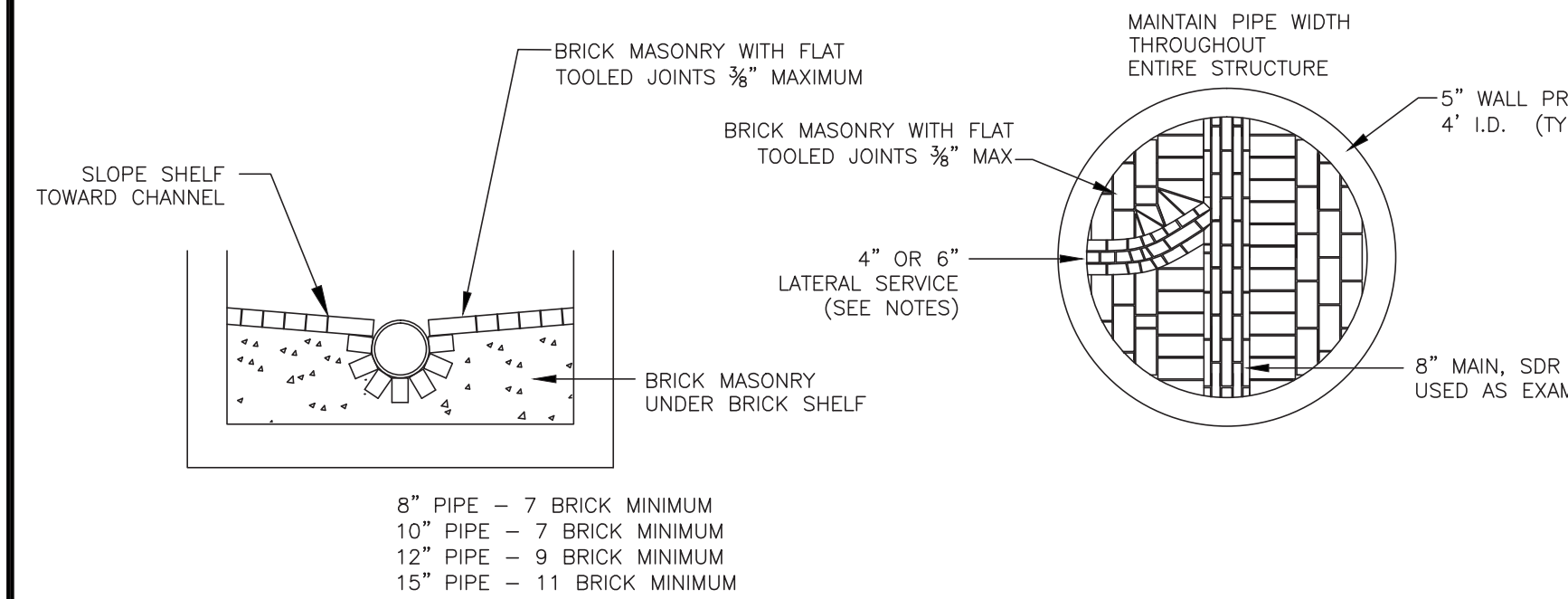


- IF BEDROCK LEDGE IS ENCOUNTERED, OVER-EXCAVATE AT LEAST 12" BELOW THE BOTTOM OF SEWER PIPE PER ENV-WQ 704.11(C).
- PROVIDE 4" MIN. COVER ABOVE SAN. SEWER PIPE UNDER PAVEMENT SURFACES.
- PROVIDE 6" MIN. COVER ABOVE SAN. SEWER PIPE UNDER PAVED SURFACES AND WALKWAYS.

**DOMESTIC WATER/FIRE SERVICE**  
NOT TO SCALE



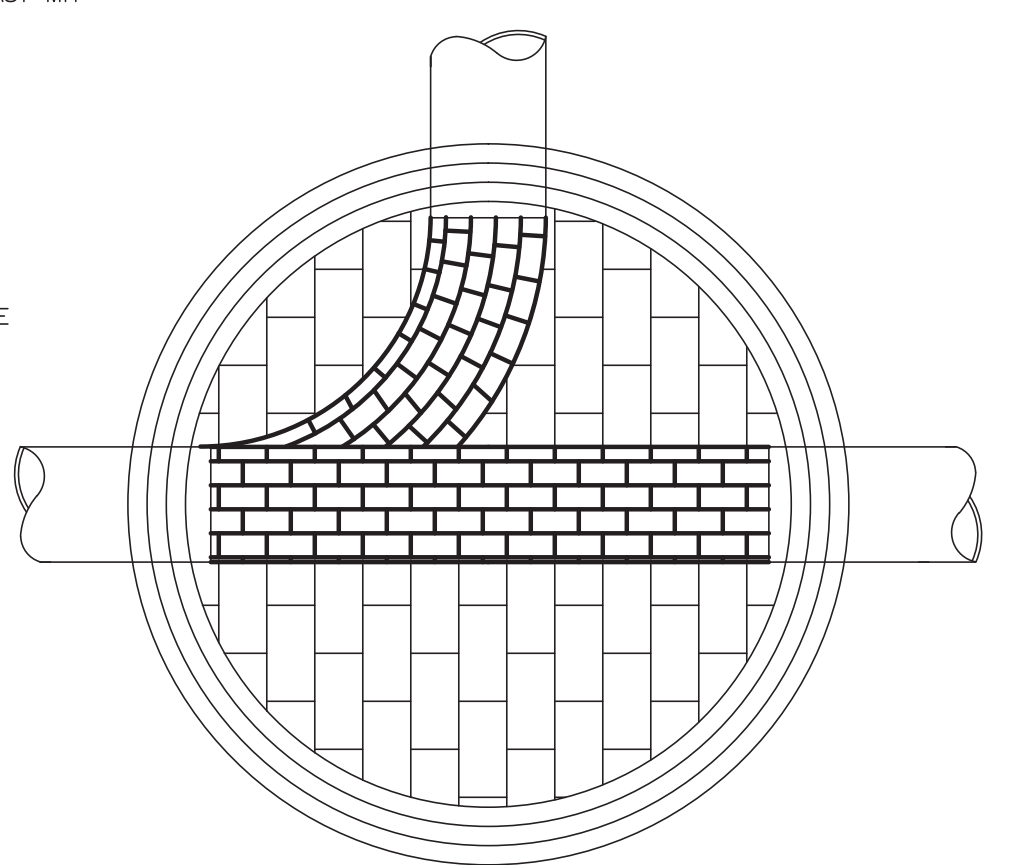
**DOMESTIC WATER/FIRE SERVICE**  
NOT TO SCALE



- 8" PIPE - 7 BRICK MINIMUM
- 10" PIPE - 9 BRICK MINIMUM
- 12" PIPE - 9 BRICK MINIMUM
- 15" PIPE - 11 BRICK MINIMUM

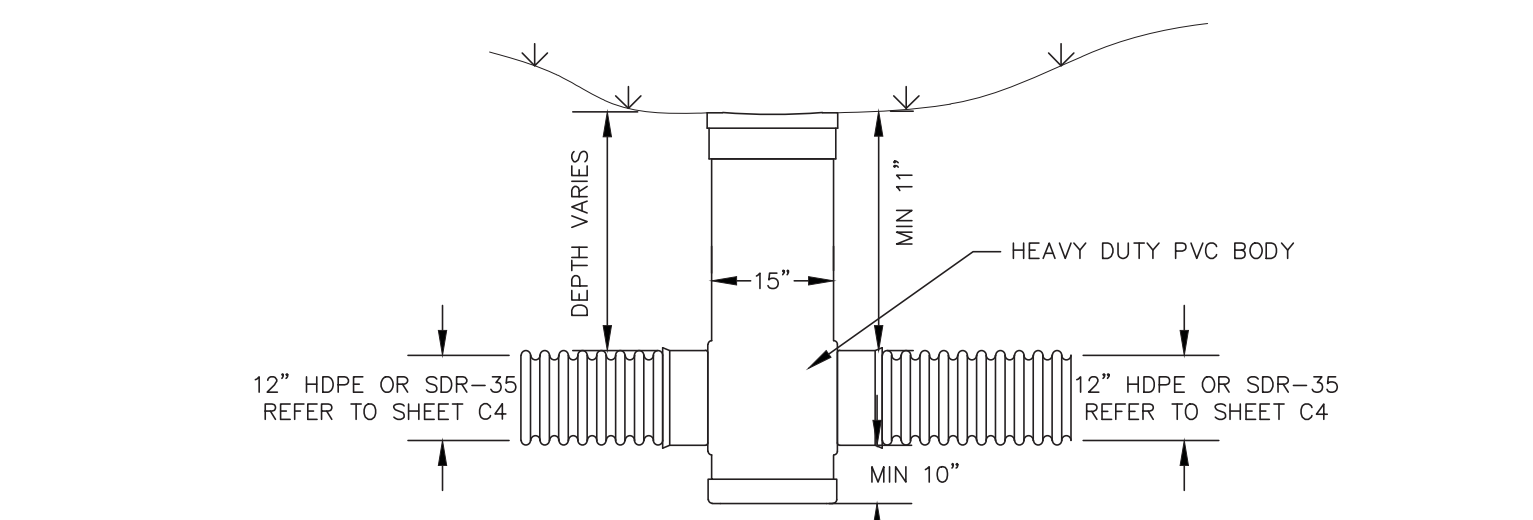
- NOTES:
- MAINTAIN TROUGH WIDTH THROUGH STRUCTURE
  - TYPICAL BRICK ASTM DESIGNATION: C-32, GRADE SS HARD BRICK. SERVICE CONNECTIONS SHOULD BE PER THE "SEWER SERVICE CONNECTION / INSIDE DROP MANHOLE" DETAIL. WHERE GRADES PROHIBIT SUCH A CONNECTION THE CONNECTION SHOULD BE AS SHOWN WITH THE SERVICE INVERT 2" ABOVE THE INVERT OF THE MAIN WHERE IT ENTERS THE MANHOLE.
  - BRICK SHELVES SHALL BE CONSTRUCTED TO THE ELEVATION OF THE HIGHEST PIPE CROWN AND SLOPED TOWARD THE FLOWING THROUGH CHANNEL IN ACCORDANCE WITH ENV-WQ 704.12(K).
  - MORTAR USED SHOULD BE IN ACCORDANCE WITH THE MORTAR REQUIREMENTS FOUND IN ENV-WQ 704.13 (C).

**SANITARY SEWER BRICK SHELF CONSTRUCTION**  
NOT TO SCALE

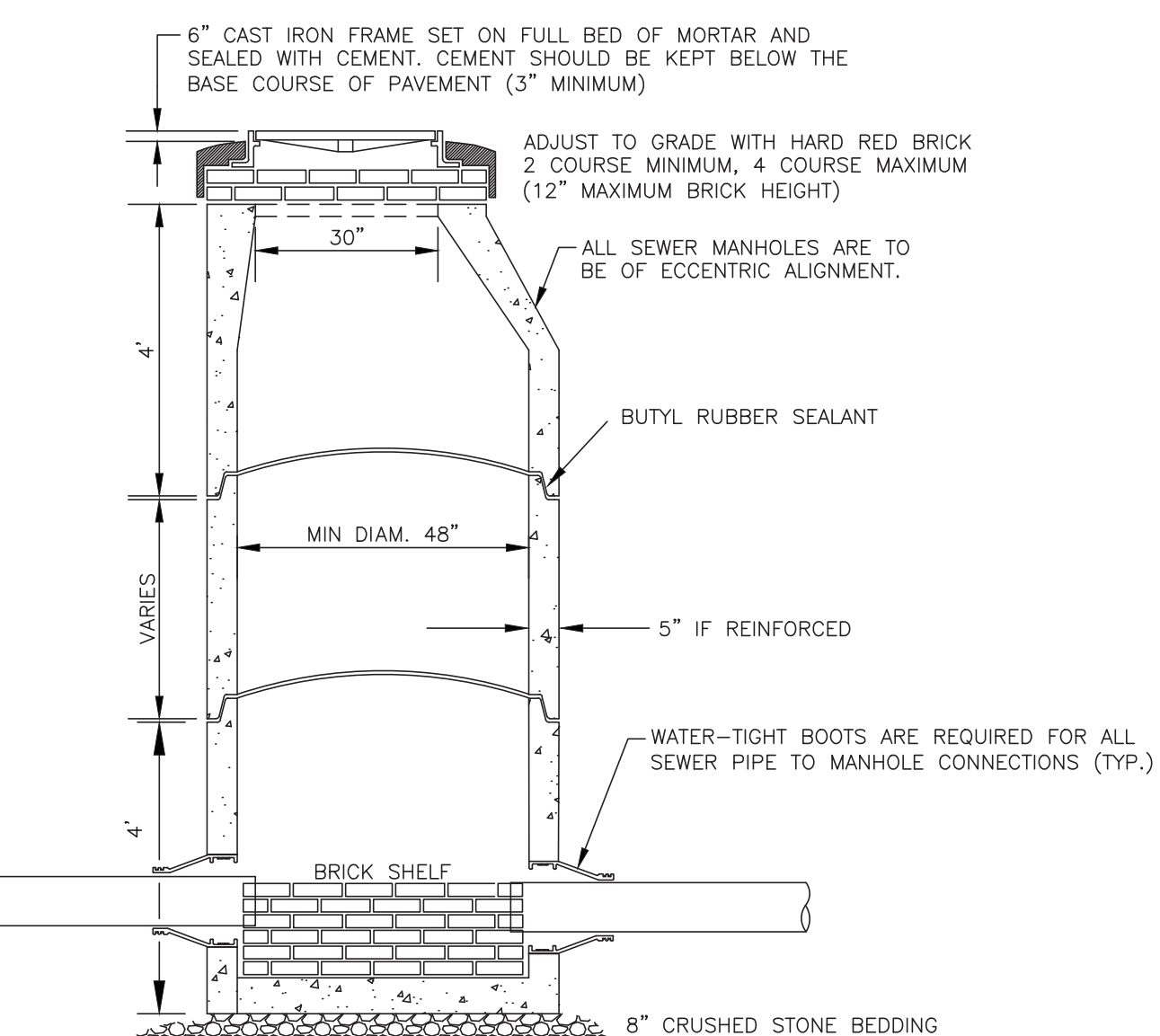


- INVERT AND SLOPE TO BE PLACED AFTER LEAKAGE TEST.
- CARE SHALL BE TAKEN TO INSURE THAT THE BRICK INVERT IS A SMOOTH CONTINUATION OF THE SEWER INVERT. INVERT BRICKS SHALL BE LAID ON EDGE.
- BASE SECTION TO BE FULL WALL THICKNESS AND MONOLITHIC TO A POINT 6" ABOVE THE PIPE CROWN.

**TYPICAL MANHOLE - PLAN VIEW**  
NOT TO SCALE

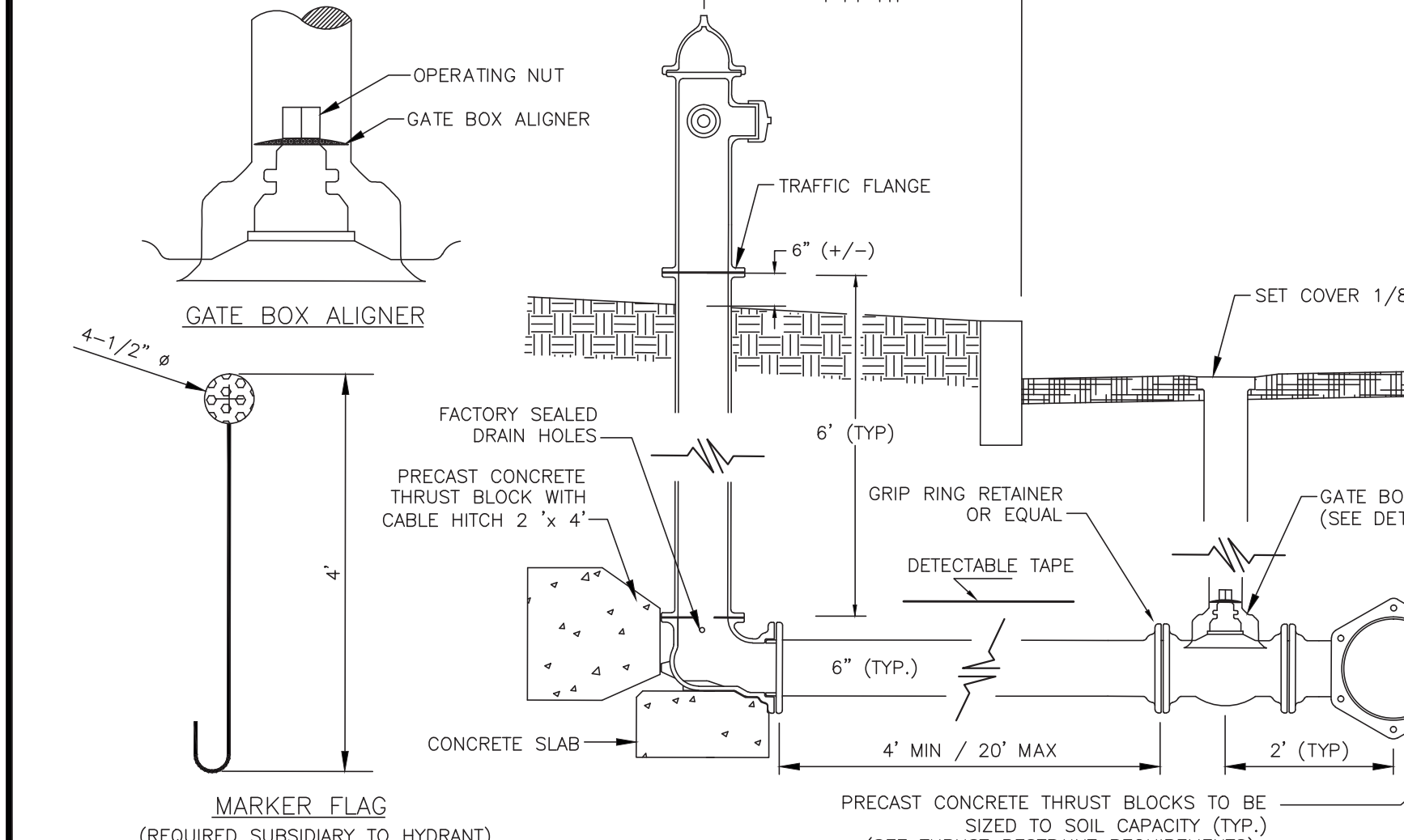


**NYLOPLAST FIELD INLET DETAIL**  
NOT TO SCALE



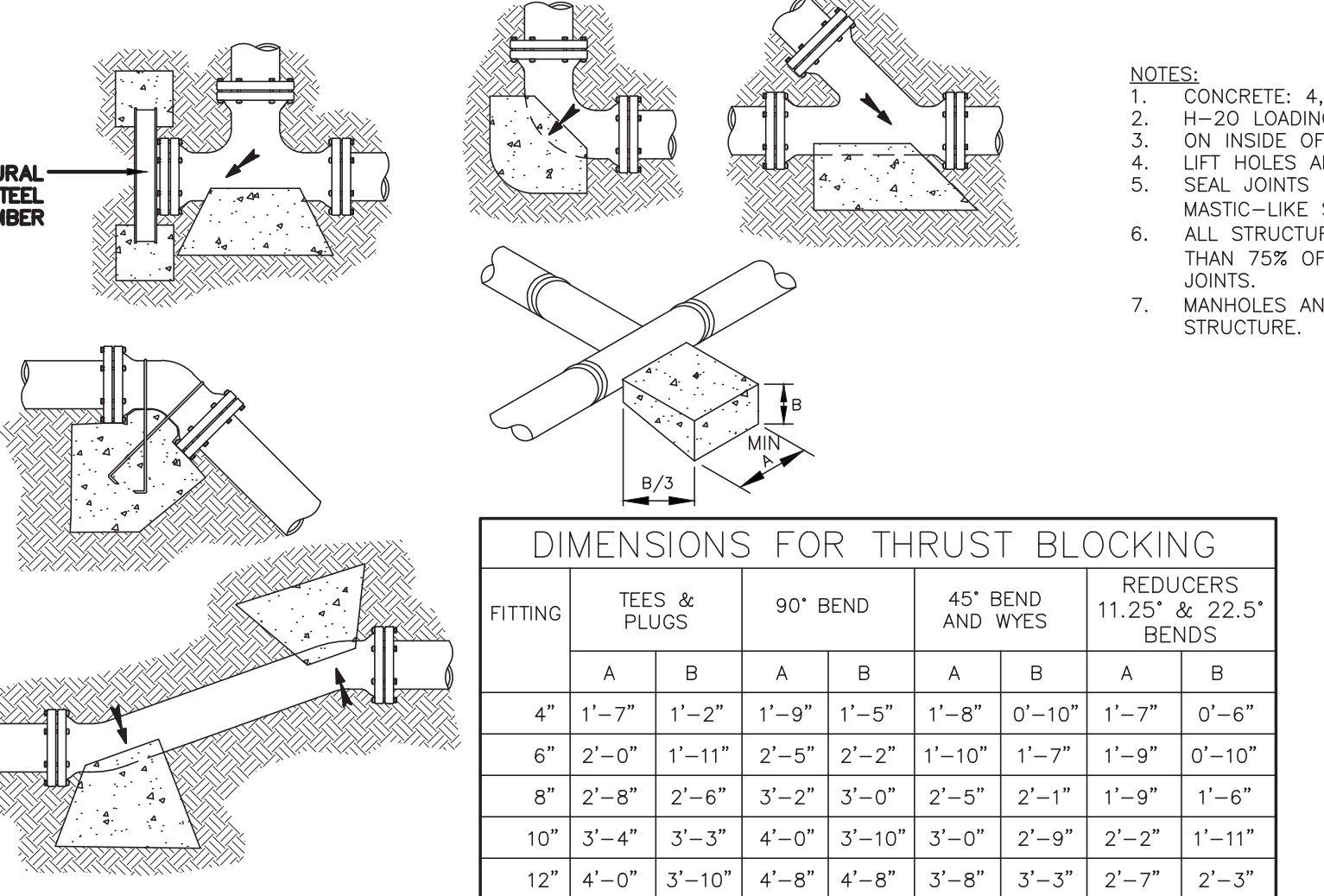
- NOTES:
- CONCRETE: 4,000 PSI AFTER 28 DAYS.
  - H=20 LOADING REQUIRED.
  - ON INSIDE OF STRUCTURE, PRE-CAST JOINTS TO BE SEALED WITH PORTLAND CEMENT.
  - LIFT HOLES ARE TO BE SEALED WITH PORTLAND CEMENT FLUSH TO THE OUTSIDE STRUCTURE WALL PRIOR TO BACKFILLING.
  - SEAL JOINTS BETWEEN PRE-CAST SECTIONS FOR WATER-TIGHTNESS USING A DOUBLE ROW OF AN ELASTOMERIC OR MASTIC-LIKE SEALANT PER ENV-WQ 704.12(F).
  - ALL STRUCTURES WITH MULTIPLE PIPES SHALL HAVE A MINIMUM OF 12" OF INSIDE SURFACE BETWEEN HOLES. NO MORE THAN 75% OF A HORIZONTAL CROSS-SECTION SHALL BE HOLES, AND THERE SHALL BE NO HOLES CLOSER THAN 3" TO JOINTS.
  - MANHOLES AND TRAFFIC SIGNAL LOOPS SHALL BE SEPARATED BY A MINIMUM OF 2' TO ALLOW FOR MAINTENANCE OF STRUCTURE.

**STANDARD MANHOLE (SANITARY)**  
NOT TO SCALE



- NOTE:
- 8" DIAMETER PIPE REQUIRED SHOULD HYDRANT BE MORE THAN 20 FT FROM WATER MARK.
  - EDDY HYDRANT REQUIRED BY DOVER.
  - ALL GATES TO OPEN LEFT.

**FIRE HYDRANT**  
NOT TO SCALE



**THRUST BLOCK DETAILS**  
NOT TO SCALE

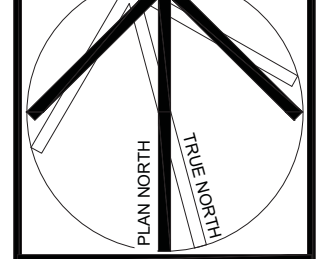
FITTING	TEES & PLUGS		90° BEND		45° BEND AND WYES		REDUCERS 11.25' & 22.5' BENDS	
	A	B	A	B	A	B	A	B
4"	1'-7"	1'-2"	1'-9"	1'-5"	1'-8"	0'-10"	1'-7"	0'-6"
6"	2'-0"	1'-11"	2'-5"	2'-2"	1'-10"	1'-7"	1'-9"	0'-10"
8"	2'-8"	2'-6"	3'-2"	3'-0"	2'-5"	2'-1"	1'-9"	1'-6"
10"	3'-4"	3'-3"	4'-0"	3'-10"	3'-0"	2'-9"	2'-2"	1'-11"
12"	4'-0"	3'-10"	4'-8"	4'-8"	3'-8"	3'-3"	2'-7"	2'-3"
14"	5'-5"	3'-10"	6'-6"	4'-11"	4'-9"	3'-5"	3'-5"	2'-5"

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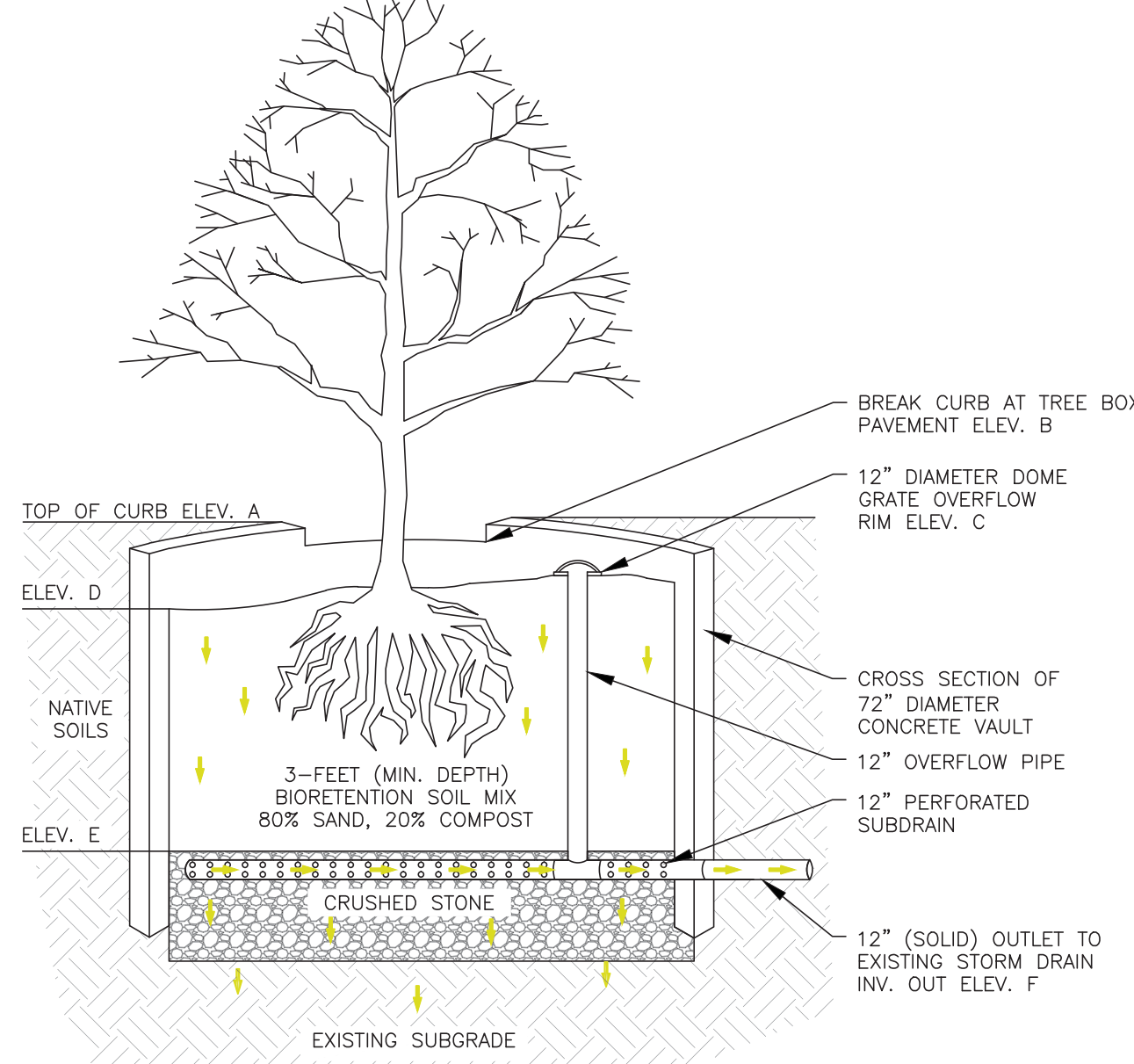
**C-6.1**  
DOVER PLAN NO. P16.12  
JOB NUMBER 891201-01

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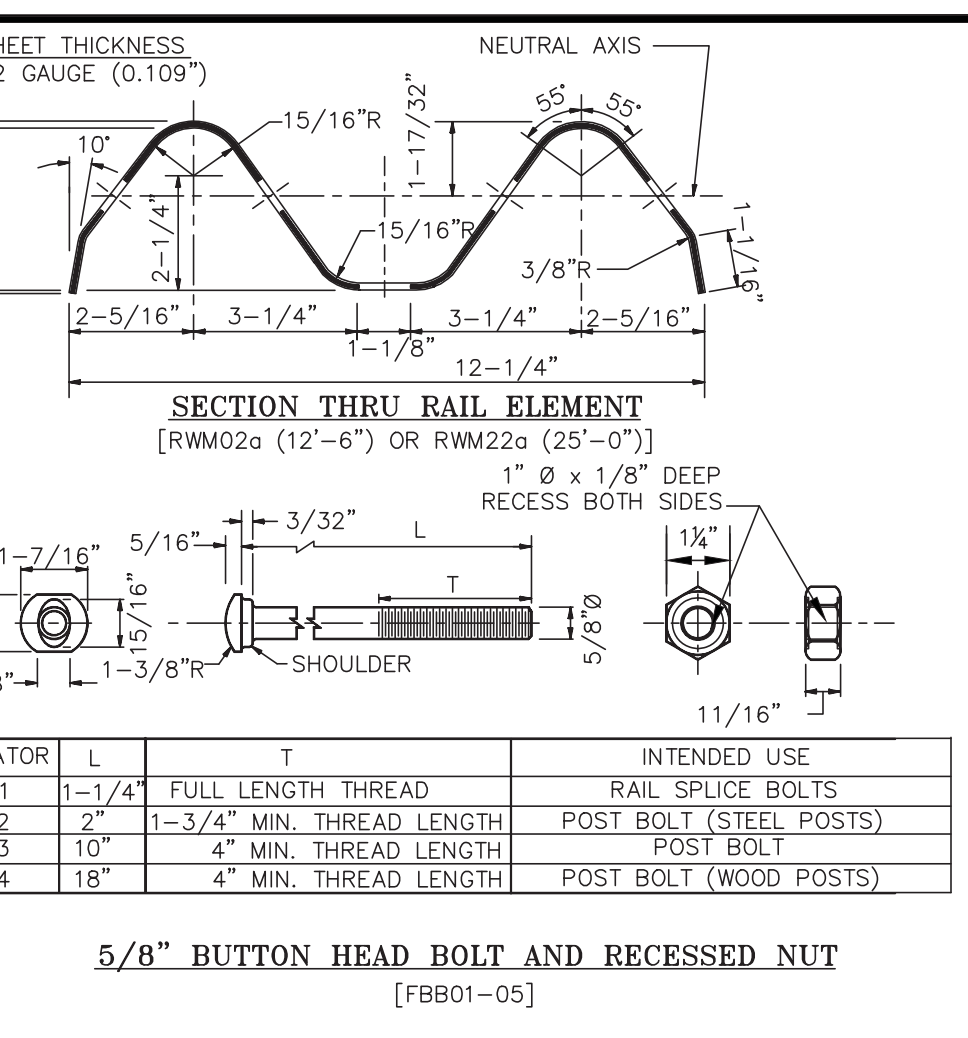
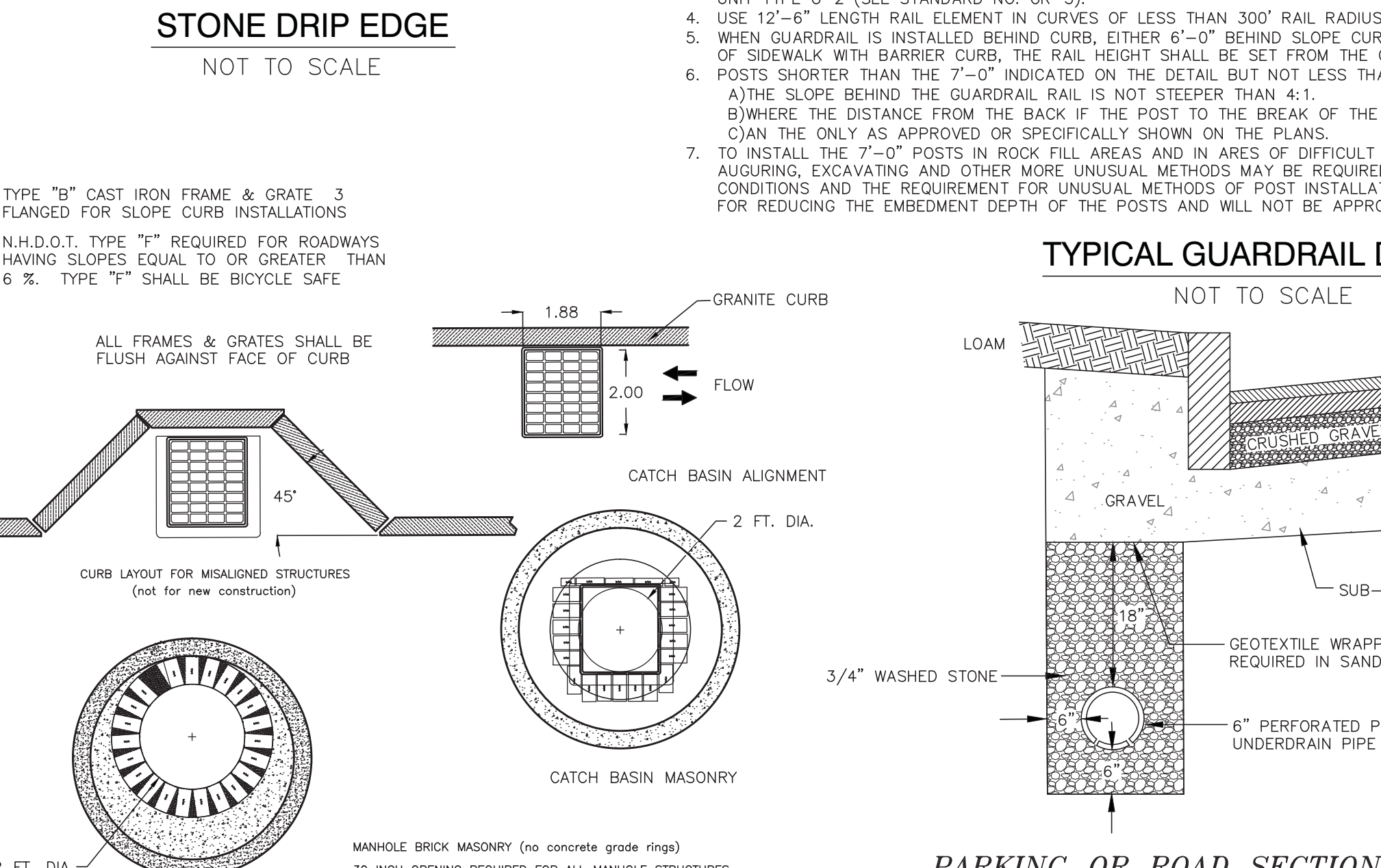
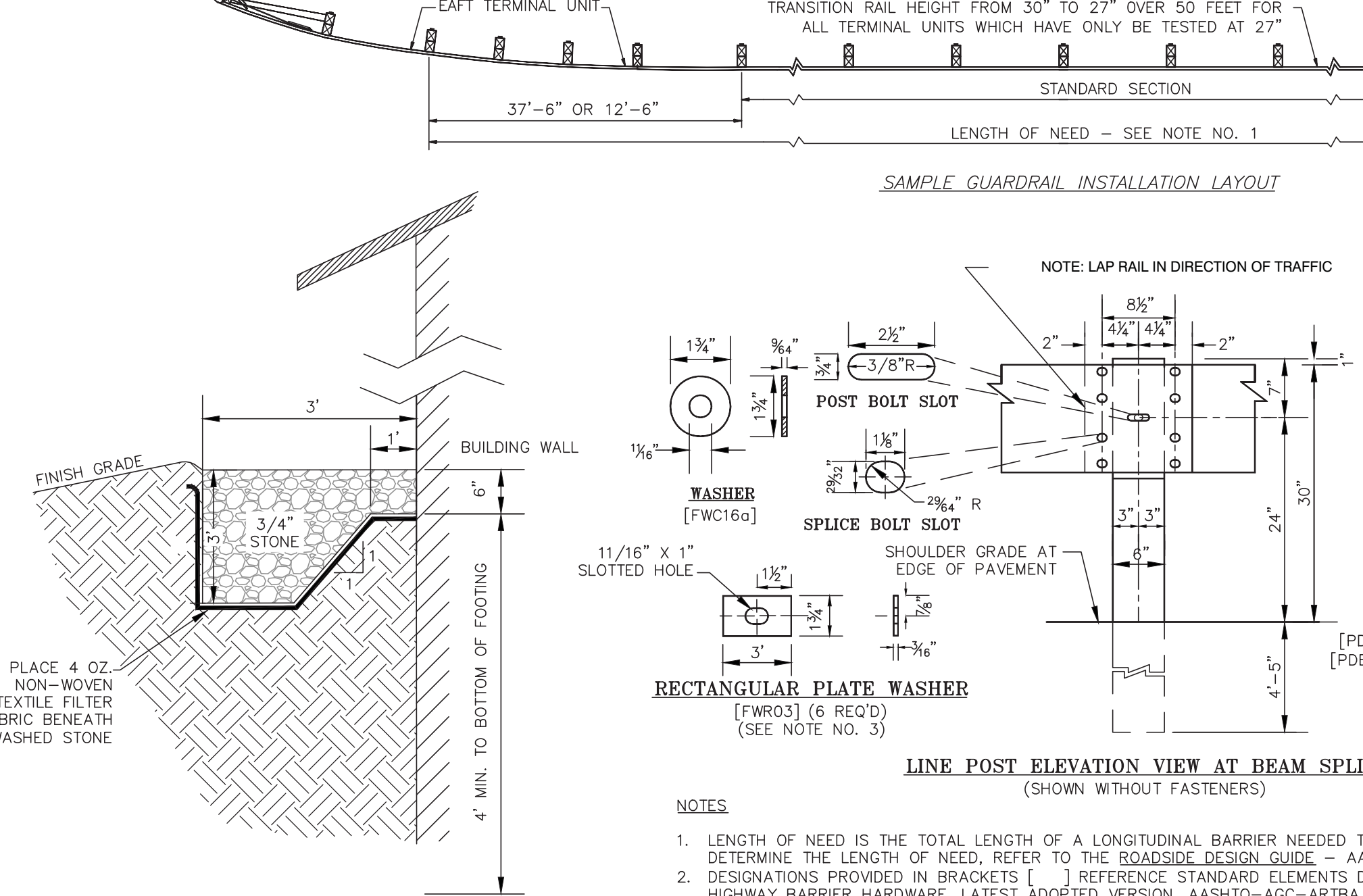
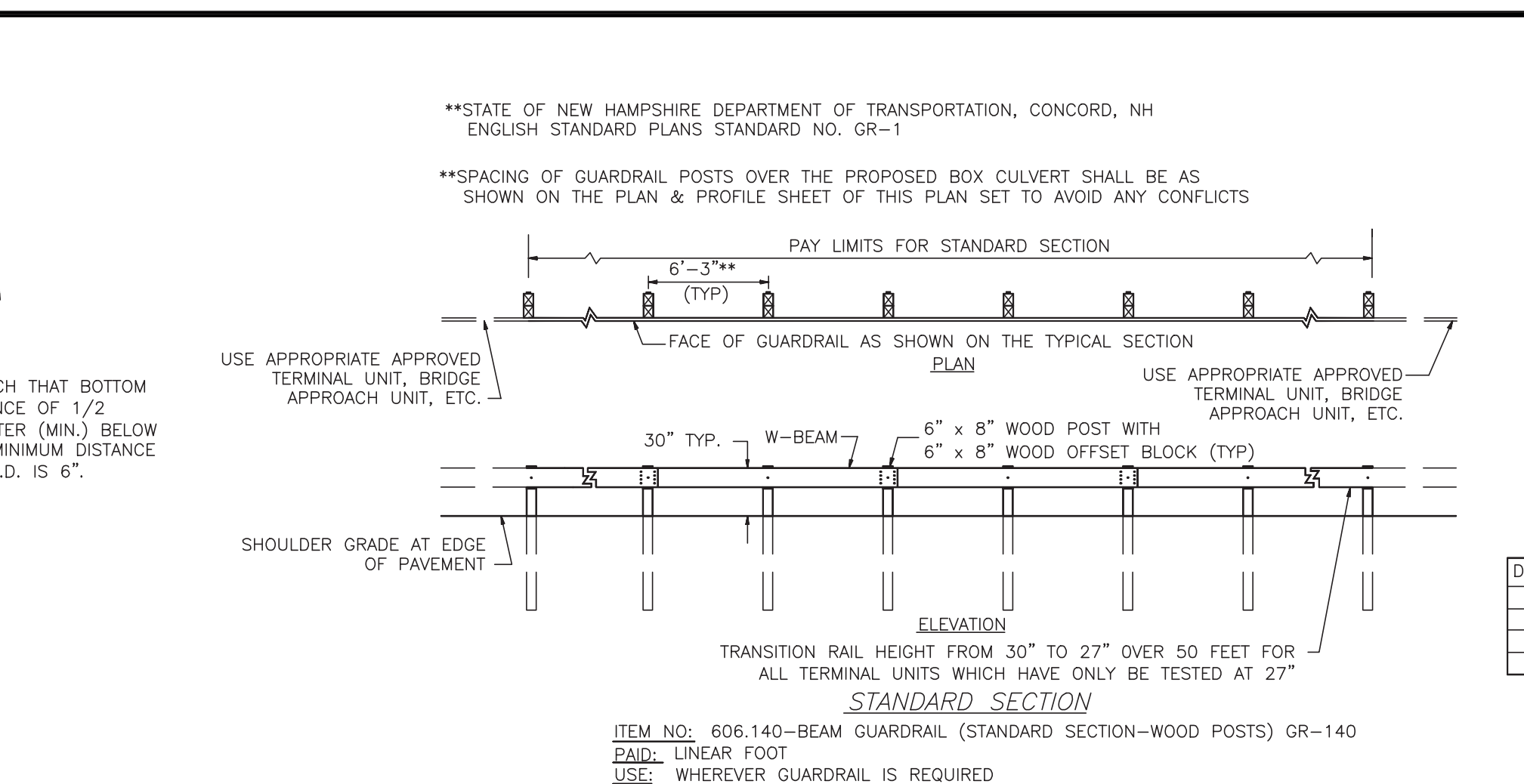
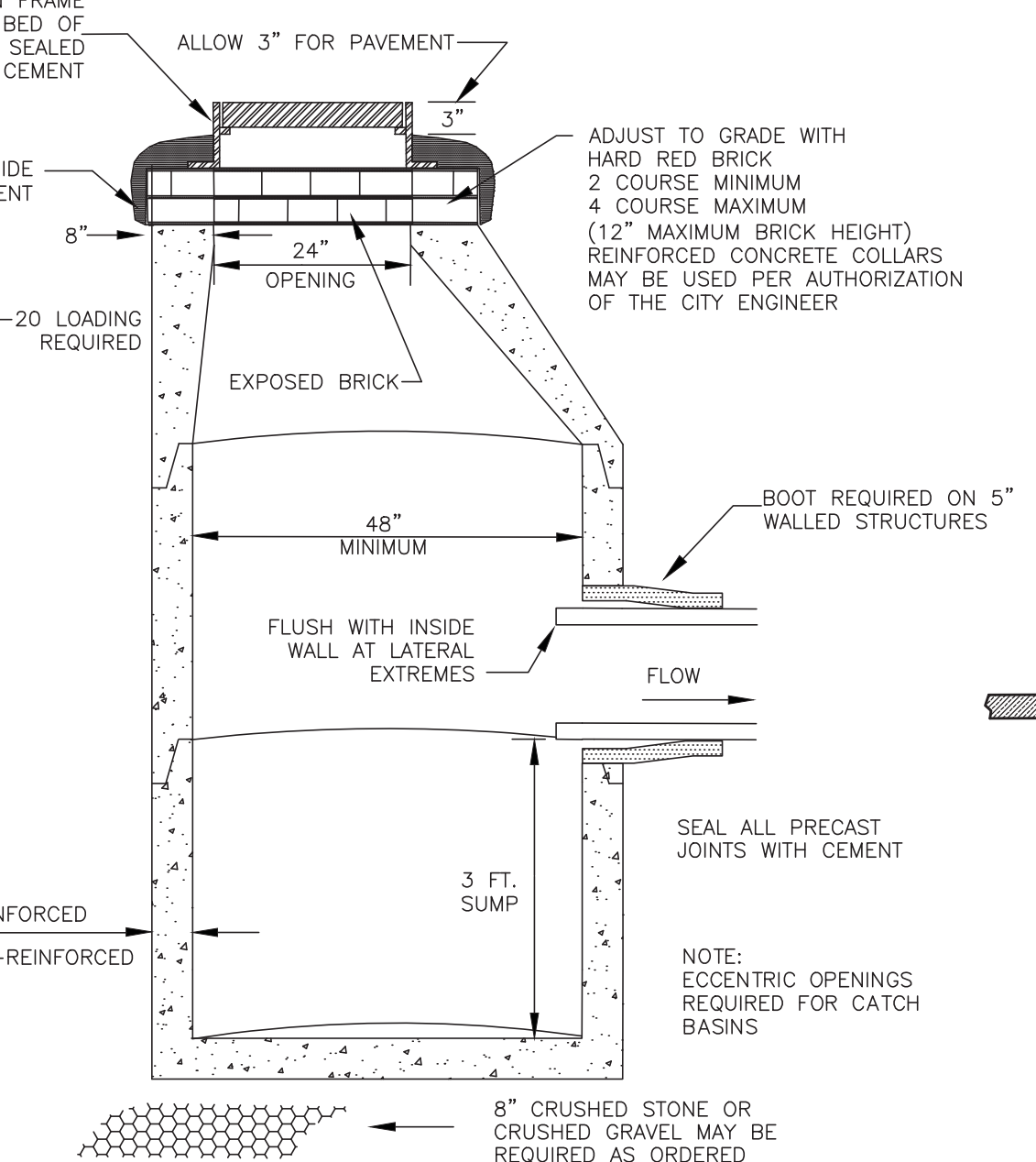
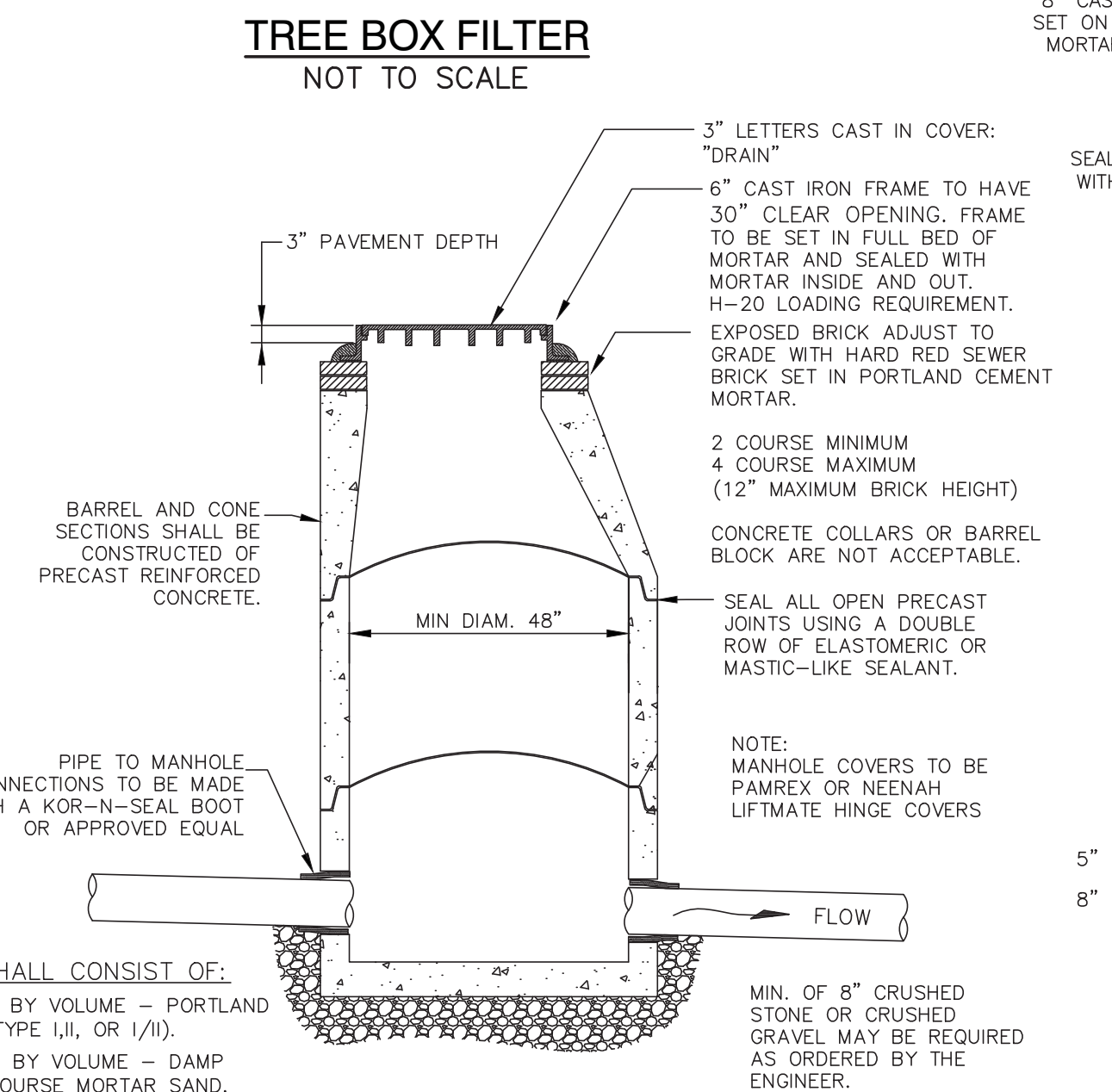


- NOTES:**
1. ALL HOODS FOR CATCH BASINS SHALL BE AS MANUFACTURED BY: BEST MANAGEMENT PRODUCTS, INC. 53 MT. ARCHER RD. LYME, CT 06371. (860) 434-0277, (860) 434-3195 FAX TOLL FREE: (800) 504-8008 OR (888) 434-0277 WEB SITE: www.bmpinc.com OR PRE-APPROVED EQUAL.
  2. ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
  3. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT PIPE AND ELBOW AS DRAWN. (SEE CONFIGURATION DETAIL).
  4. THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION (SNOUT SIZE ALWAYS LARGER THAN PIPE SIZE).
  5. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A MINIMUM DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES <12" I.D.
  6. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 12" ACCORDING TO STRUCTURE CONFIGURATION.
  7. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL AND PIPE SHALL BE FINISHED FLUSH TO WALL.
  8. THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL).
  9. INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT. INSTALLATION KIT SHALL INCLUDE:
    - A. INSTALLATION INSTRUCTIONS
    - B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER
    - C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING
    - D. 3/8" STAINLESS STEEL BOLTS
    - E. ANCHOR SHIELDS

**HOOD SPECIFICATION FOR CATCH BASINS**  
NOT TO SCALE

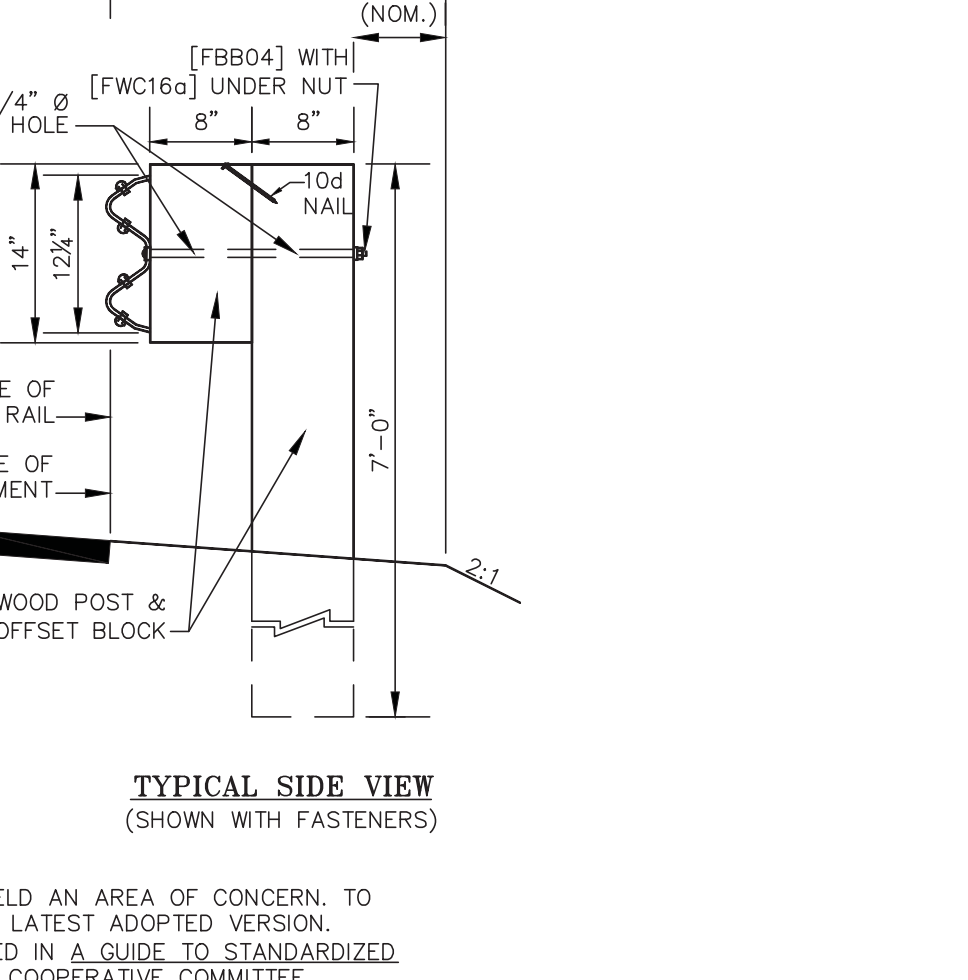


LOCATION	A	B	C	D	E	F
TREEBOX 19	90.0	89.5	89.2	88.6	85.6	84.1
TREEBOX 20	89.4	88.9	88.4	88.0	85.0	83.5

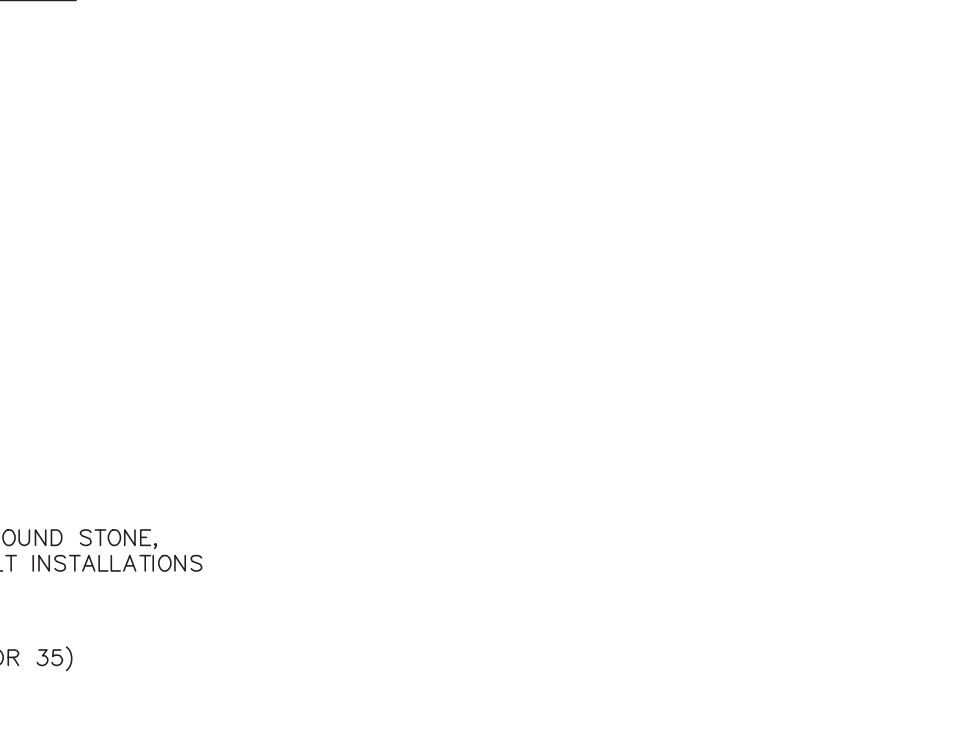


DESIGNATOR	L	T	INTENDED USE
FBB01	1-1/4"	FULL LENGTH THREAD	RAIL SPLICE BOLTS
FBB02	7"	1-3/4" MIN. THREAD LENGTH	POST BOLT (STEEL POSTS)
FBB03	10"	4" MIN. THREAD LENGTH	POST BOLT
FBB04	18"	4" MIN. THREAD LENGTH	POST BOLT (WOOD POSTS)

**5/8" BUTTON HEAD BOLT AND RECESSED NUT**  
[FBB01-05]



- NOTES:**
1. LENGTH OF NEED IS THE TOTAL LENGTH OF A LONGITUDINAL BARRIER NEEDED TO SHIELD AN AREA OF CONCERN TO DETERMINE THE LENGTH OF NEED, REFER TO THE ROADSIDE DESIGN GUIDE - AASHTO, LATEST ADOPTED VERSION.
  2. DESIGNATIONS PROVIDED IN BRACKETS [ ] REFERENCE STANDARD ELEMENTS DETAILED IN A GUIDE TO STANDARDIZED HIGHWAY BARRIER HARDWARE, LATEST ADOPTED VERSION, AASHTO-AGC-ARTBA JOINT COOPERATIVE COMMITTEE.
  3. THE RECTANGULAR PLATE WASHER [FWR03] IS USED ONLY FOR 37'-6" OF STANDARD SECTION UPSTREAM OF A TERMINAL UNIT TYPE G-2 (SEE STANDARD NO. GR-5).
  4. USE 12'-6" LENGTH RAIL ELEMENT IN CURVES OF LESS THAN 300' RAIL RADIUS.
  5. WHEN GUARDRAIL IS INSTALLED BEHIND CURB, EITHER 6'-0" BEHIND SLOPE CURB ON A CURBED RAMP OR AT THE BACK OF SIDEWALK WITH BARRIER CURB, THE RAIL HEIGHT SHALL BE SET FROM THE GRADE AT THE FACE OF RAIL.
  6. POSTS SHORTER THAN THE 7'-0" INDICATED ON THE DETAIL BUT NOT LESS THAN 6'-0" MAY ONLY BE USED WHEN:
    - A) THE SLOPE BEHIND THE GUARDRAIL RAIL IS NOT STEEPER THAN 4:1.
    - B) WHERE THE DISTANCE FROM THE BACK OF THE POST TO THE BREAK OF THE SLOPE IS A MINIMUM OF 2'-0".
    - C) THE ONLY AS APPROVED OR SPECIFICALLY SHOWN ON THE PLANS.
  7. TO INSTALL THE 7'-0" POSTS IN ROCK FILL AREAS AND IN AREAS OF DIFFICULT SITE CONDITIONS, METHODS SUCH AS AUGERING, EXCAVATING AND OTHER MORE UNUSUAL METHODS MAY BE REQUIRED FOR INSTALLING POSTS. THOSE CONDITIONS AND THE REQUIREMENT FOR UNUSUAL METHODS OF POST INSTALLATION ARE NOT CONSIDERED JUSTIFICATION FOR REDUCING THE EMBEDMENT DEPTH OF THE POSTS AND WILL NOT BE APPROVED AS SUCH.

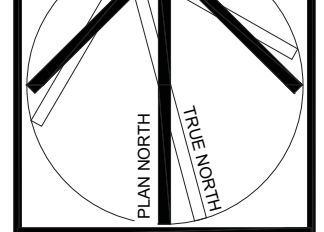


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**HMFH ARCHITECTS**  
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Concord, NH 03309  
603.432.2200  
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**Nobis**  
Professional Engineers  
1000 North Main Street  
Concord, NH 03301  
603.432.2200  
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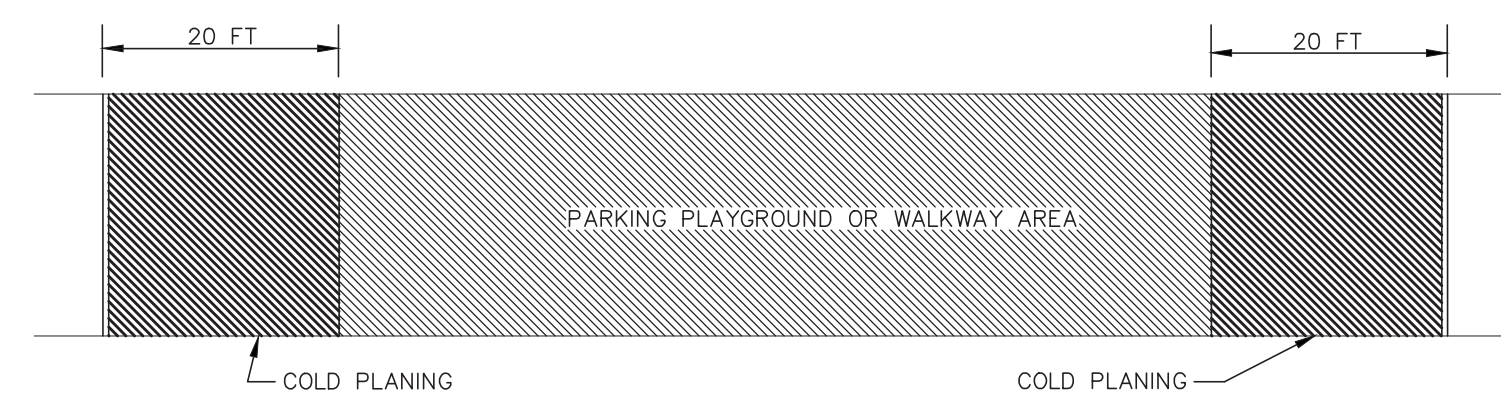
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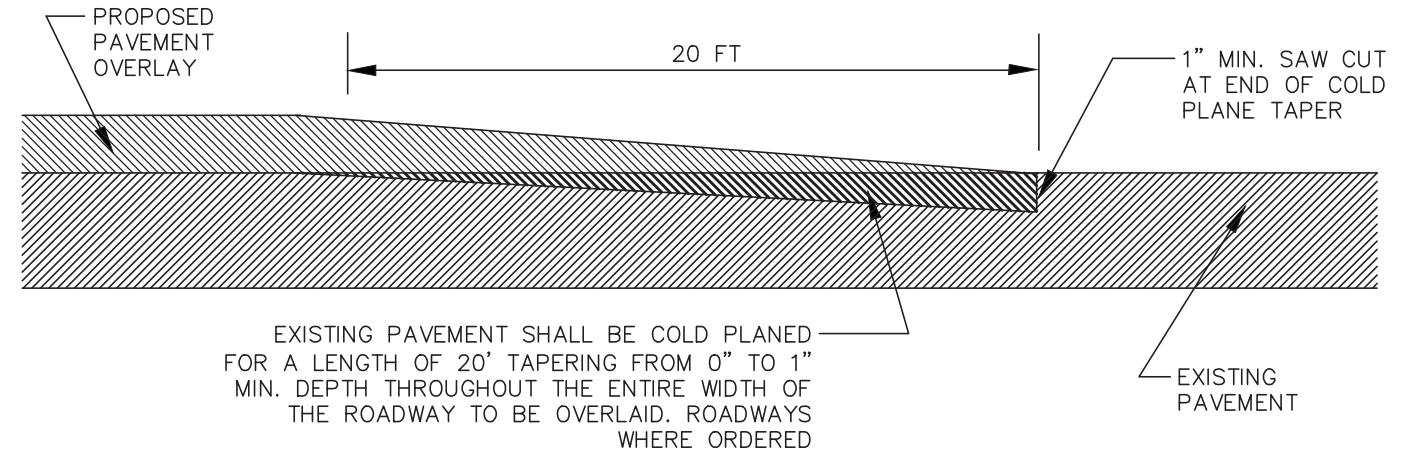
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CHECKED BY: ERL

**C-6.2**  
DRAWING NUMBER  
DOVER PLAN NO. P16.12  
JOB NUMBER 891201-01

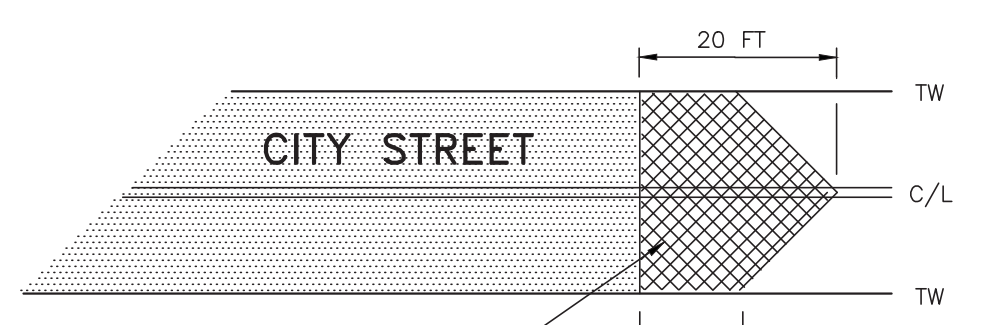




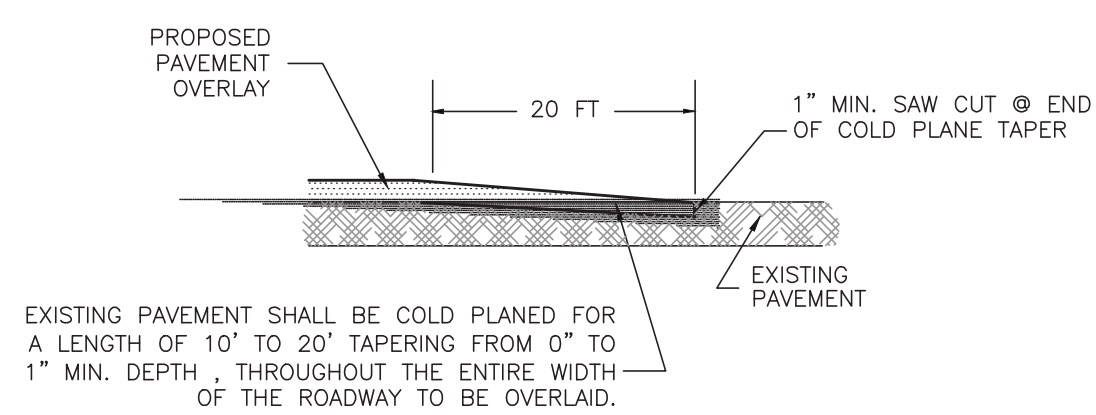
**DETAIL OF END SECTION**



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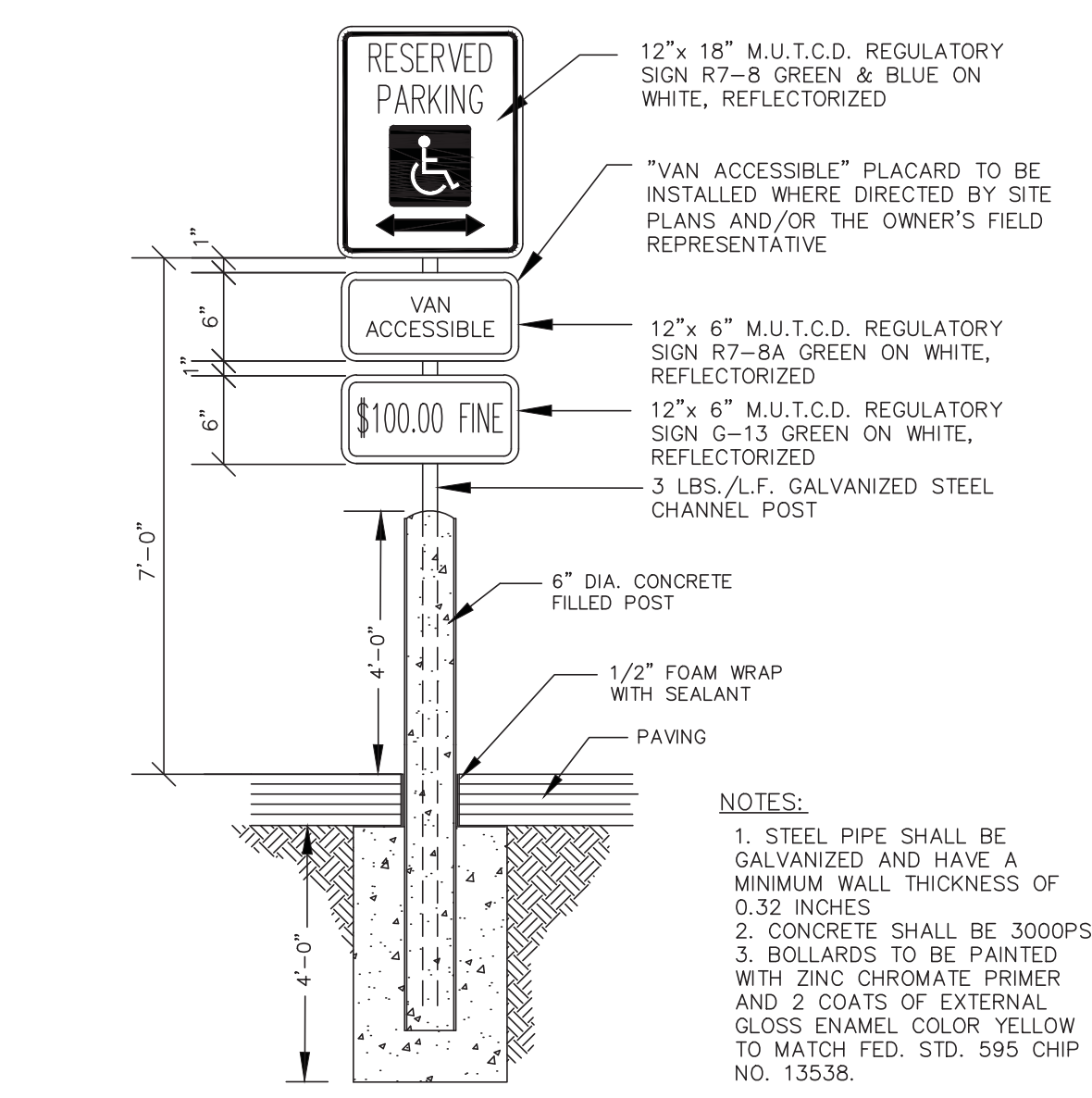


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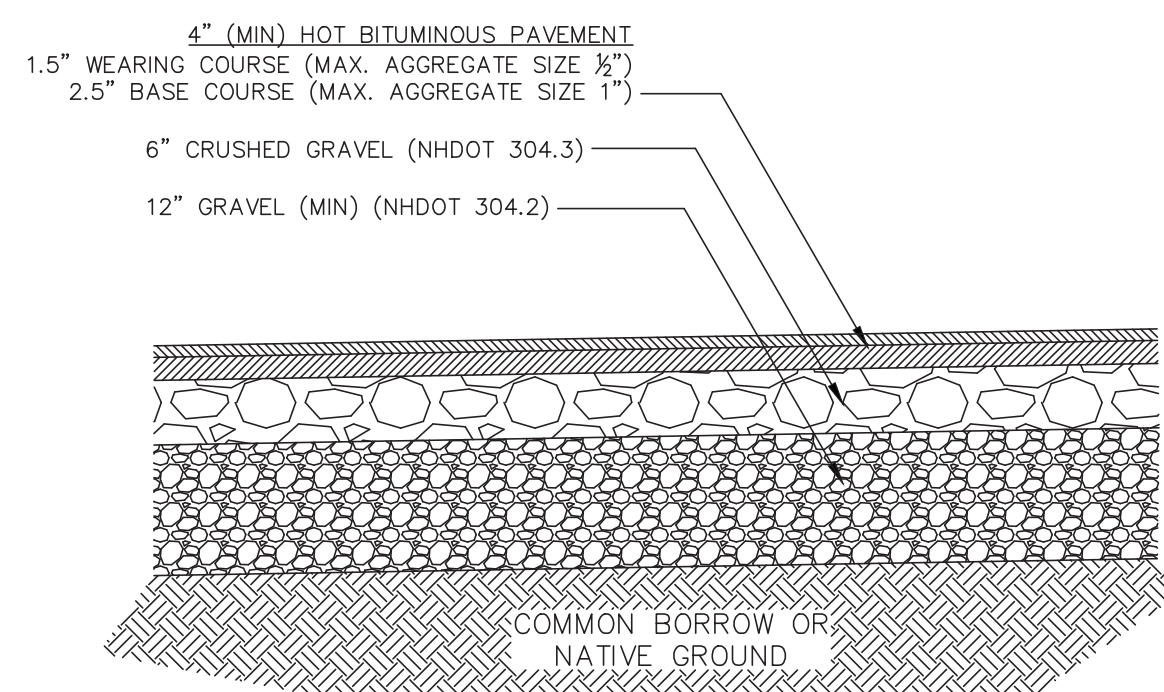


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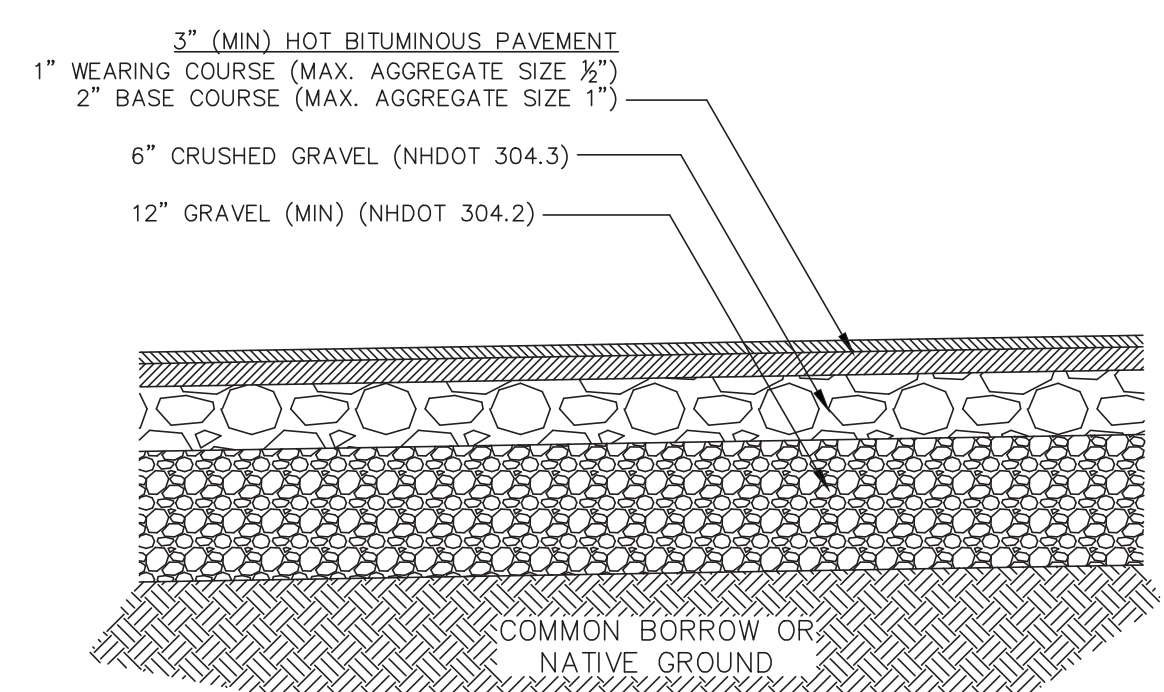
**COLD PLANING DETAIL**  
NOT TO SCALE



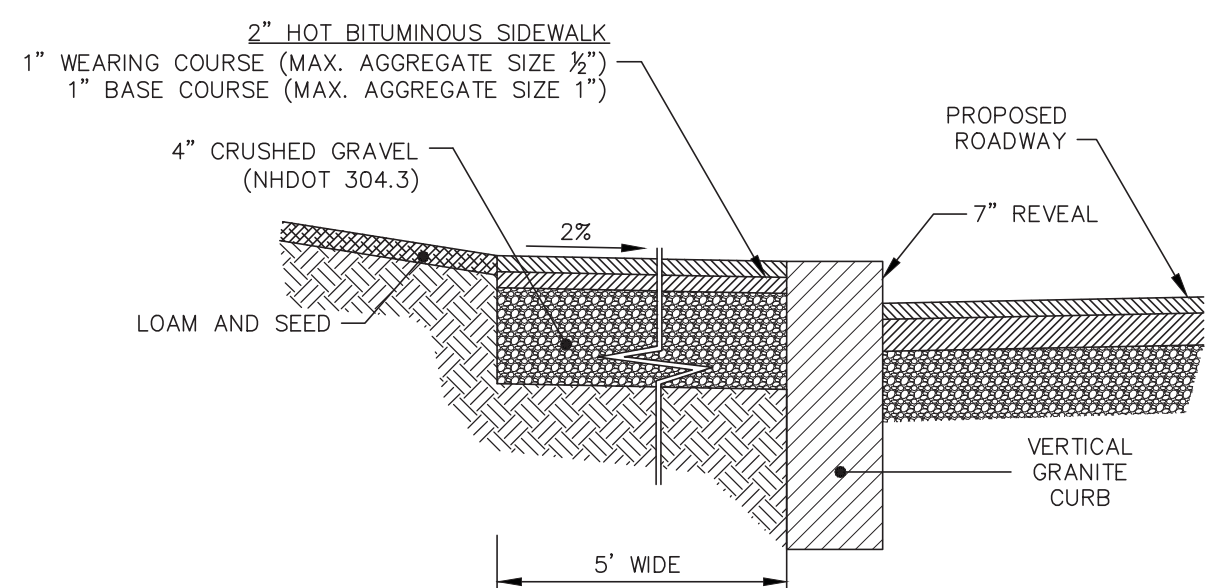
**RESERVED PARKING SIGN ON BOLLARD**  
NOT TO SCALE



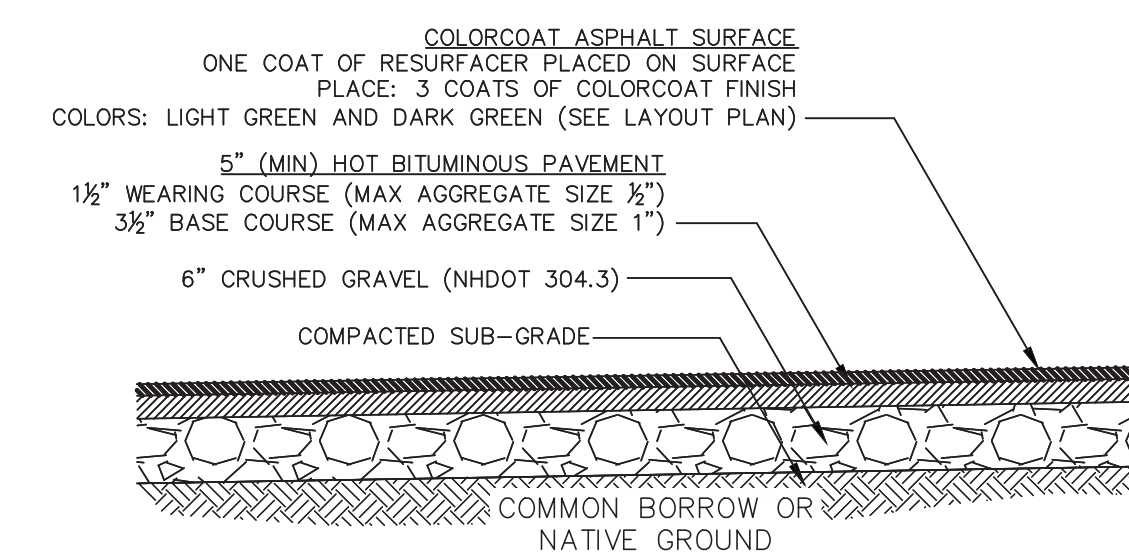
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NOT TO SCALE



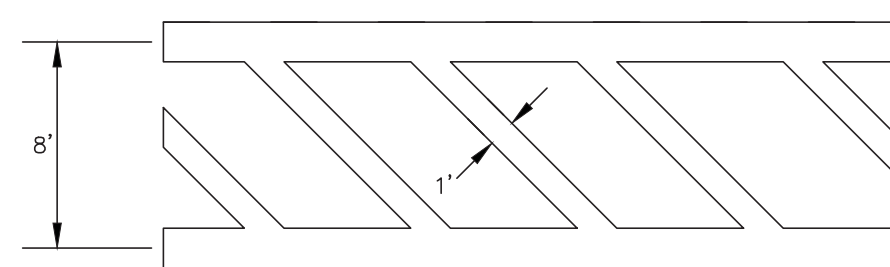
**TYPICAL PARKING PAVEMENT SECTION**  
NOT TO SCALE



**BITUMINOUS SIDEWALK VERTICAL GRANITE CURB**  
NOT TO SCALE

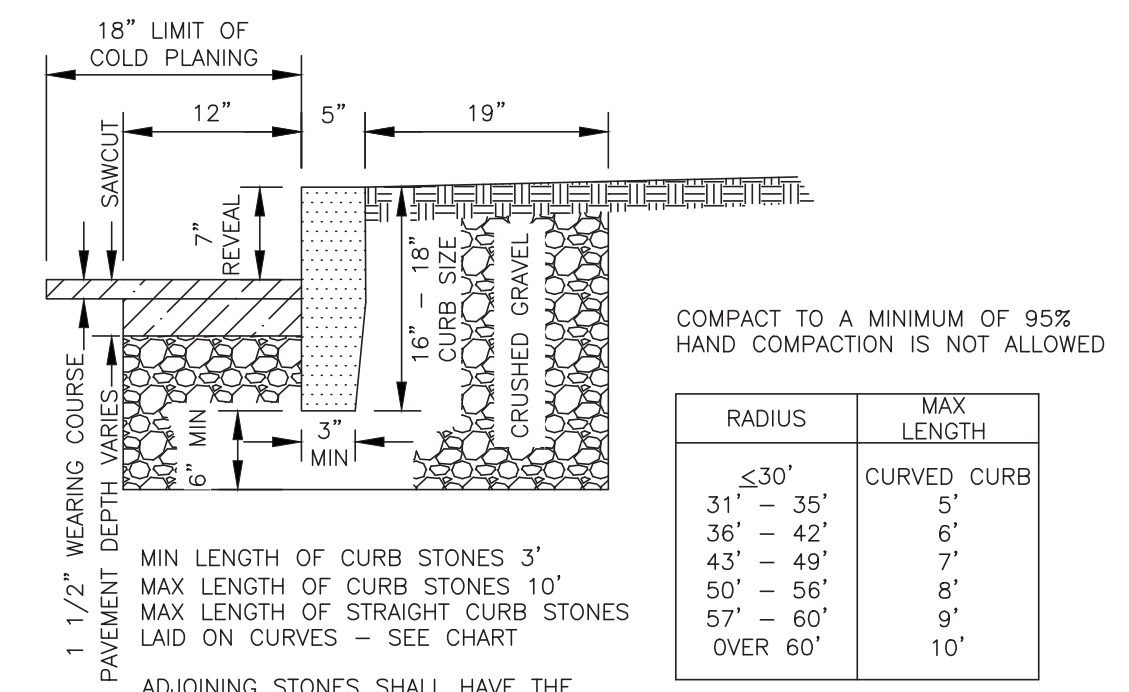


**TENNIS COURT PAVEMENT SECTION**  
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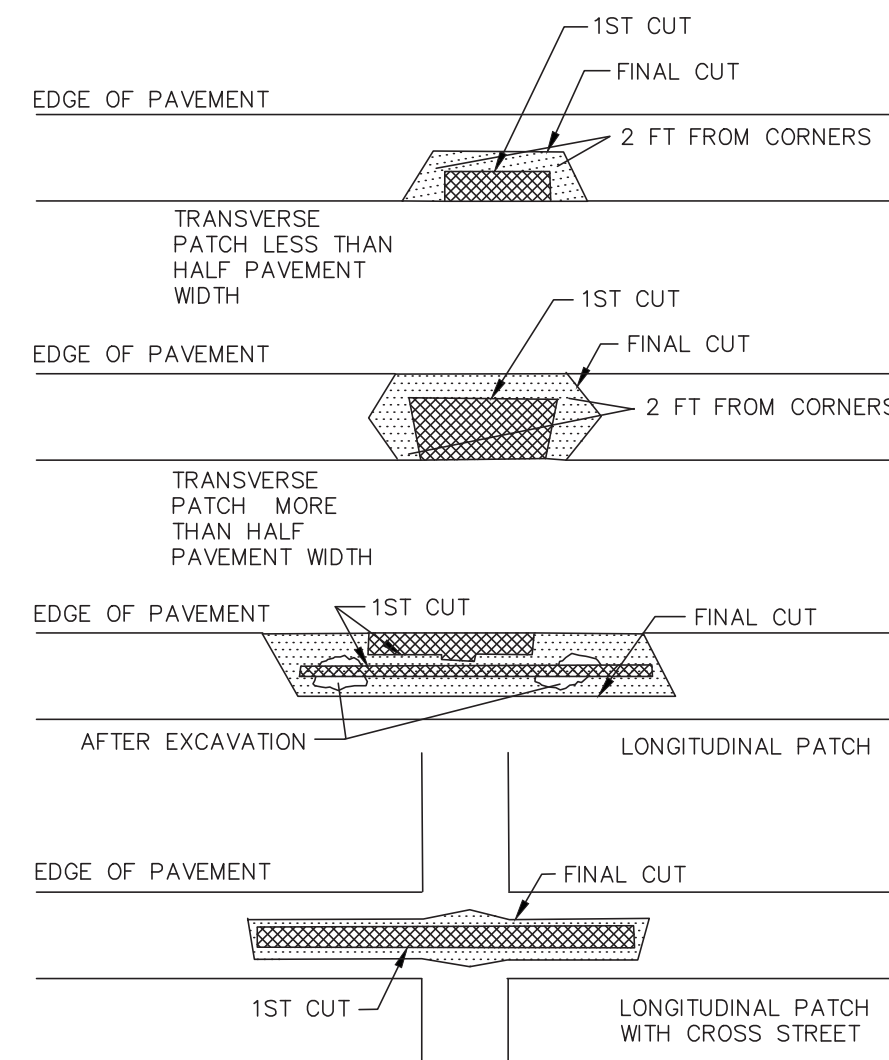


1. PARALLEL WHITE LINES AND DIAGONAL LINES SHALL BE 12 INCHES PAINTED SOLID WHITE.
2. SPACING OF DIAGONAL WHITE STRIPES SHALL NOT EXCEED 2.5 TIMES THE LINE WIDTH.
3. CROSSWALKS SHALL BE PAINTED WITH WHITE EPOXY PAINT.

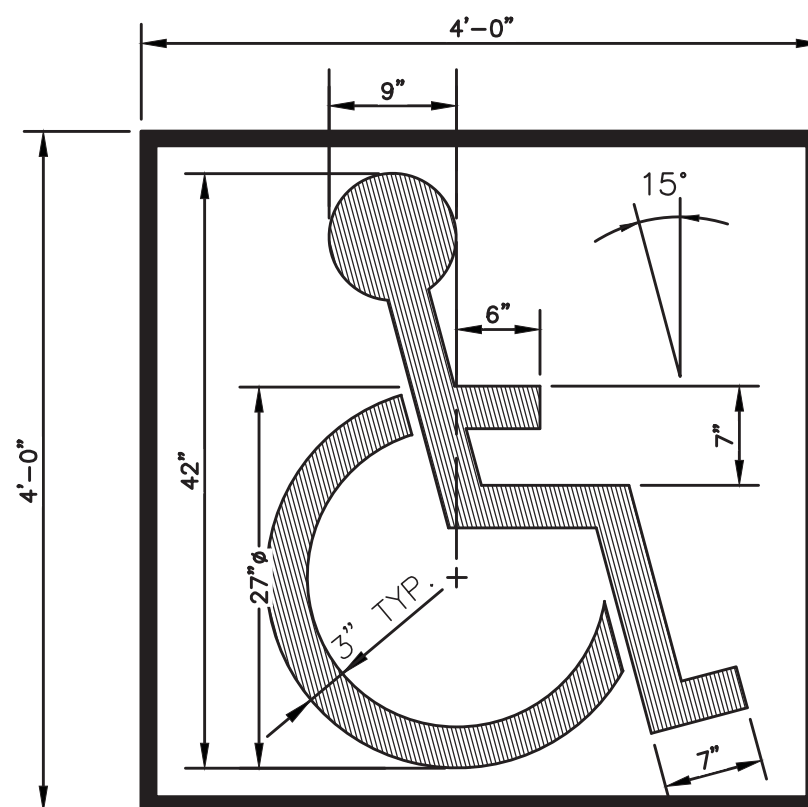
**CROSSWALK MARKINGS**  
NOT TO SCALE



RADIUS	MAX LENGTH
≤ 30'	CURVED CURB
31' - 35'	5'
36' - 42'	6'
43' - 49'	7'
50' - 56'	8'
57' - 60'	9'
OVER 60'	10'



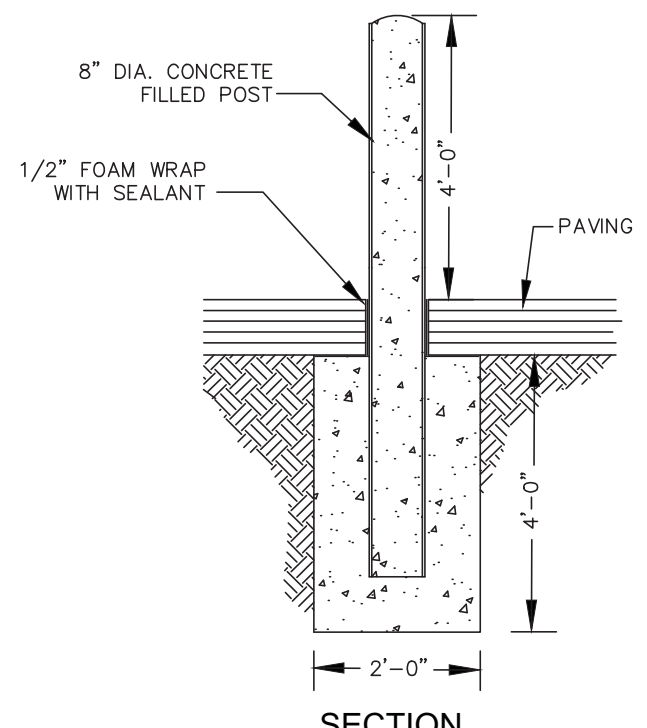
**SAWCUT DETAIL**  
NOT TO SCALE



INTERNATIONAL SYMBOL OF ACCESSIBILITY PER ANSI A117.1-1986 REQUIREMENTS

- NOTE:
1. USE PAINT WHICH CONTRASTS WITH BACKGROUND
  2. THIS SIGN TO BE FURNISHED AND INSTALLED BY G.C.

**PAINTED ACCESSIBLE PARKING SYMBOL**  
NOT TO SCALE



- NOTES:
1. STEEL PIPE SHALL BE GALVANIZED AND HAVE A MINIMUM WALL THICKNESS OF 0.32 INCHES.
  2. CONCRETE SHALL BE 3000PSI
  3. BOLLARDS TO BE PAINTED WITH ZINC CHROMATE PRIMER AND 2 COATS OF EXTERNAL GLOSS ENAMEL COLOR YELLOW TO MATCH FED. STD. 595 CHIP NO. 13538.

**CONCRETE FILLED BOLLARD**  
NOT TO SCALE

AREA	FINISH SURFACE	TOLERANCE
TOP	5" WIDE OR AS OTHERWISE SHOWN, SAWN TRUE PLANE.	+ $\frac{1}{8}$ " TO + $\frac{1}{4}$ "
FRONT FACE	FRONT AND BACK ARRIS LINES PITCHED STRAIGHT AND PARALLEL.	+ $\frac{1}{8}$ " TO + $\frac{1}{4}$ "
BACK FACE EXPOSED	RIGHT ANGLE TO TOP, APPROXIMATELY TRUE PLANE. NO DRILL HOLES SHOWING IN TOP 10"	+1" TO - $\frac{1}{2}$ "
CONCEALED	PLANE PARALLEL WITH FRONT FACE. STRAIGHT SPLIT TO 1 $\frac{1}{2}$ " BELOW EXPOSED SURFACE. NO LARGER THAN $\frac{1}{4}$ " SEGMENT OF DRILL HOLES SHOWING IN ARRIS LINES.	+1" TO -1"
BOTTOM	BELOW 1 $\frac{1}{2}$ " FROM EXPOSED SURFACE.	+ $\frac{1}{2}$ " TO -1 $\frac{1}{2}$ "
ENDS EXPOSED PORTION	APPROXIMATELY PARALLEL TO TOP. MINIMUM WIDTH: 3"	SEE PLANS
JOINTS EXPOSED	SQUARE WITH PLANES OF TOP AND FACE	
CONCEALED	OPTIMUM WIDTH: 1"	
	TO BREAK BACK NO MORE THAN 4"	+ $\frac{3}{4}$ " TO - $\frac{3}{4}$ "

**VERTICAL GRANITE CURB**  
NOT TO SCALE

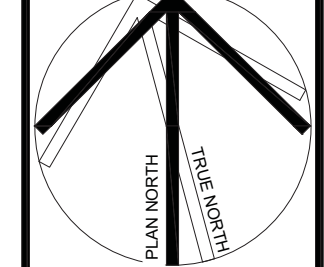
REVISIONS NO	DATE	REMARKS	BY

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**HMFH ARCHITECTS**  
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Dover, NH 03820  
603.751.2200  
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Dover, NH 03820  
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09/12/2016  
CAD DRAWING FILE: 891201-01-C-700-DET1.dwg



**CONSTRUCTION DETAILS**  
DRAWN BY: EC  
CHECKED BY: ERL

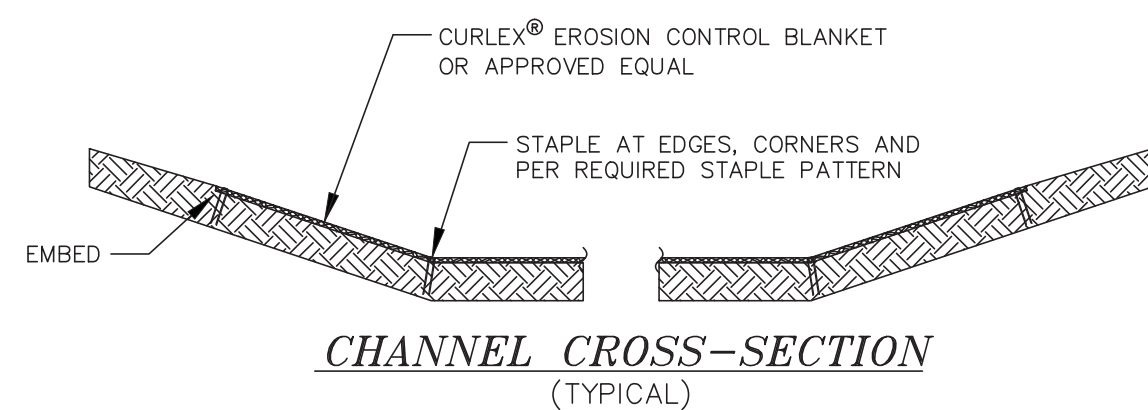
**C-6.3**

DOVER PLAN NO. P16.12  
JOB NUMBER 891201-01

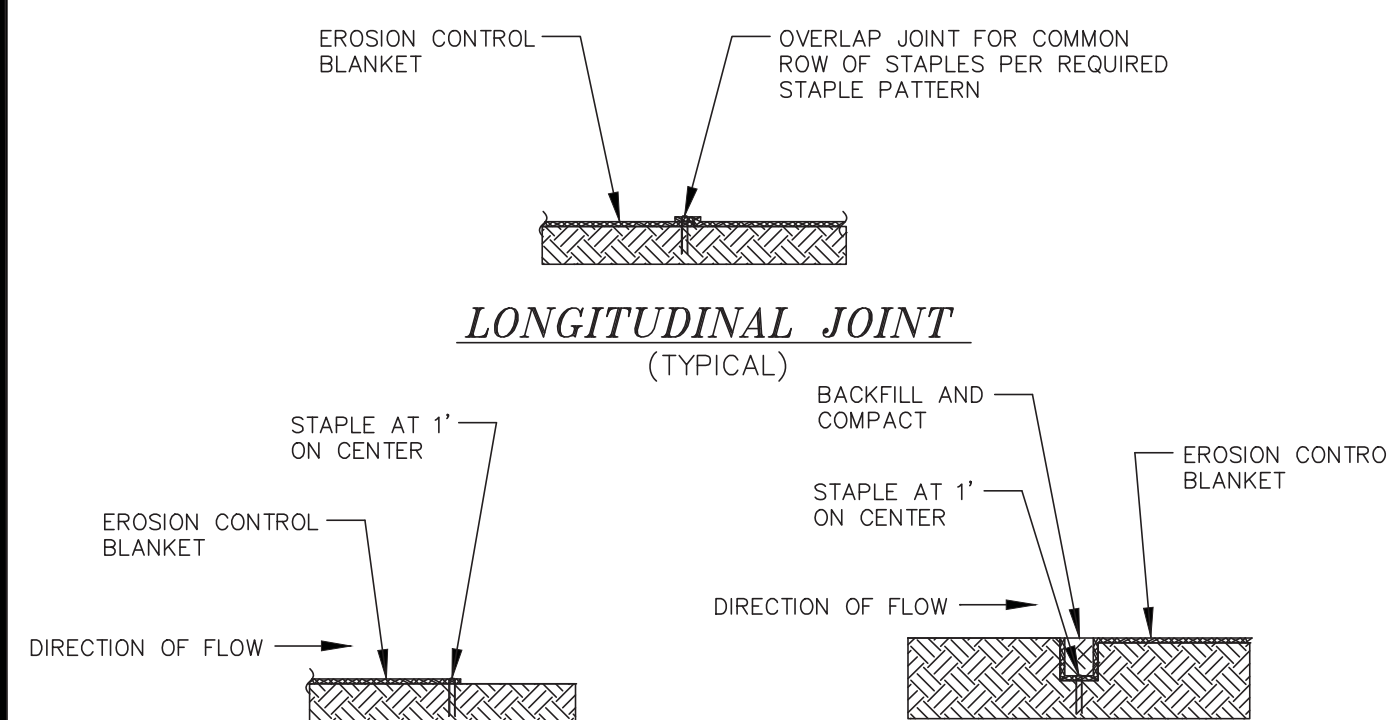
M.U.T.C.D. NUMBER	SPECIFICATION	WIDTH	HEIGHT	MOUNTING HEIGHT	SIGN
R7-304		12"	18"	7'-0"	BUSES ONLY
NA		18"	12"	7'-0"	DRUG FREE SCHOOL ZONE
R1-1		30"	30"	7'-0"	STOP
R7-8		12"	18"	7'-0"	RESERVED PARKING
R7-8A		12"	6"	6'-3"	VAN
R7-1		12"	18"	7'-0"	NO PARKING ANY TIME
R5-1		30"	30"	7'-0"	NO ENTRY
R3-5		30"	36"	7'-0"	ONLY
R6-1(R/L)		36"	12"	7'-0"	ONE WAY
R2-1		24"	30"	7'-0"	SPEED LIMIT 5
NA		12"	18"	7'-0"	COMPACT CAR PARKING ONLY
S1-1		30"	30"	7'-0"	PEDESTRIAN CROSSING
W16-7pR		30"	18"	7'-0"	RIGHT TURN YIELD ON GREEN

NOTE: MOUNTING HEIGHT IS THE CLEARANCE OF THE BOTTOM OF THE SIGN TO THE NEAREST EDGE OF PAVEMENT.

**SIGN SUMMARY**  
NOT TO SCALE



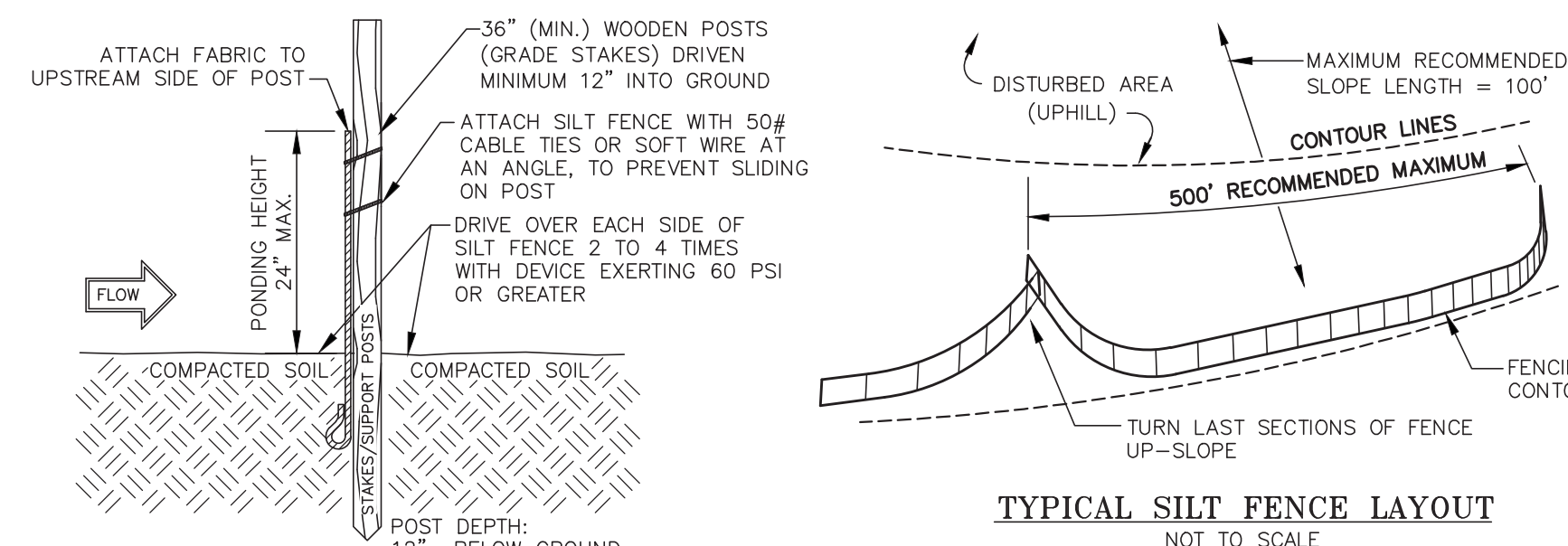
**CHANNEL CROSS-SECTION**  
(TYPICAL)



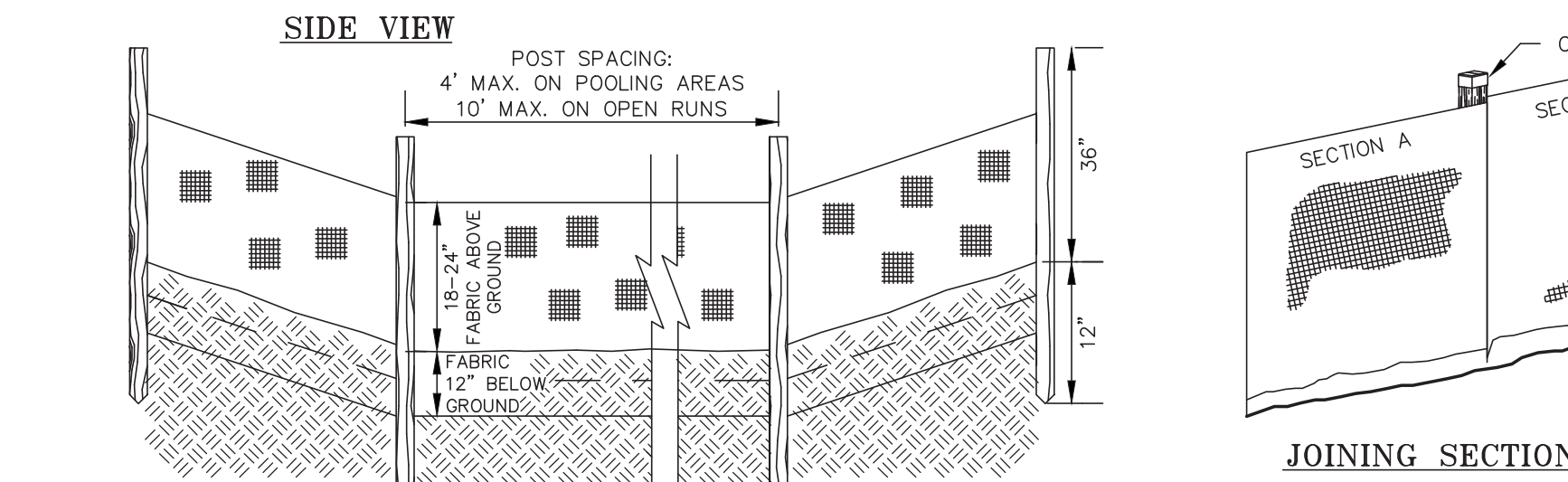
**LONGITUDINAL JOINT**  
(TYPICAL)



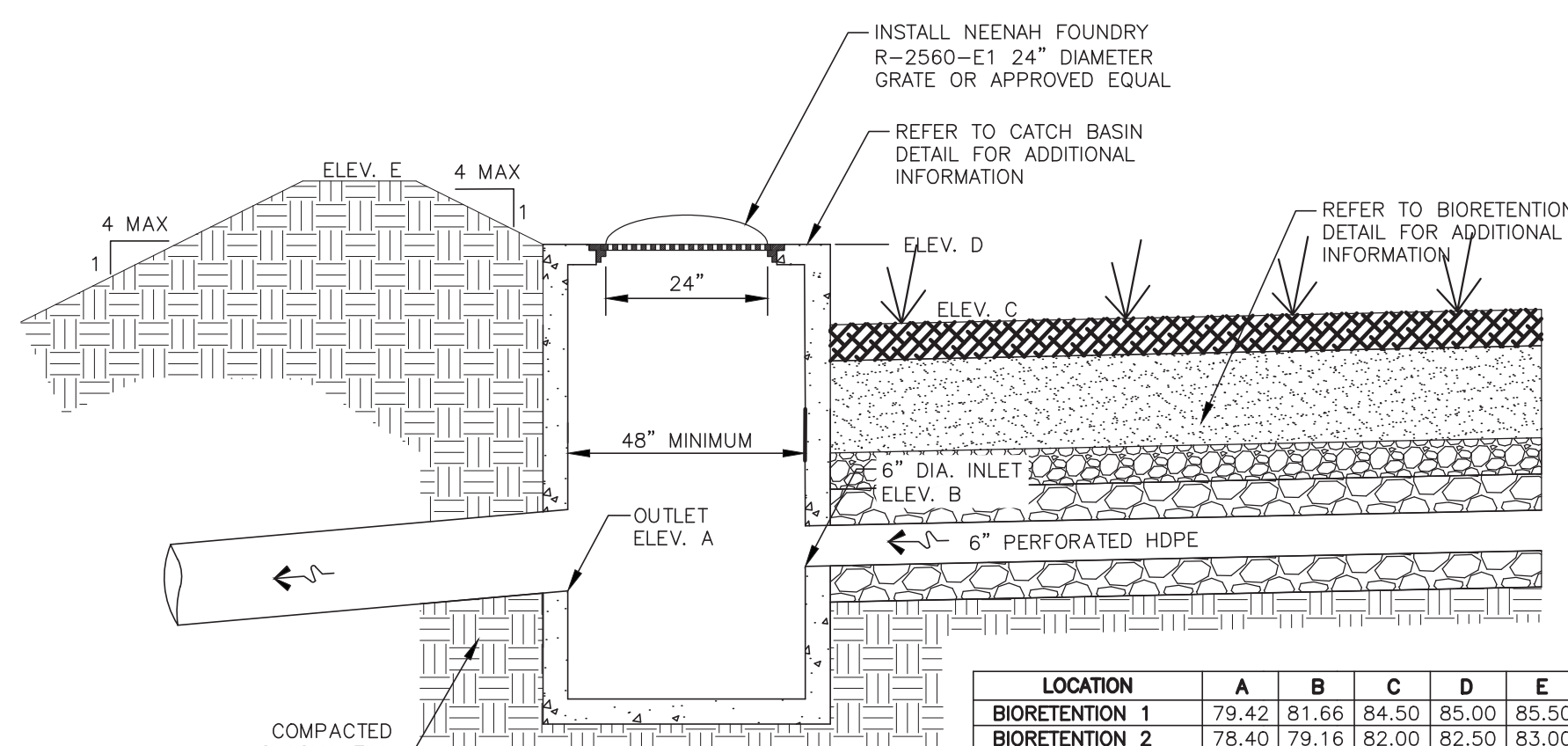
**EROSION CONTROL MATTING**  
NOT TO SCALE



**TYPICAL SILT FENCE LAYOUT**  
NOT TO SCALE



**SILT FENCE INSTALLATION**  
NOT TO SCALE

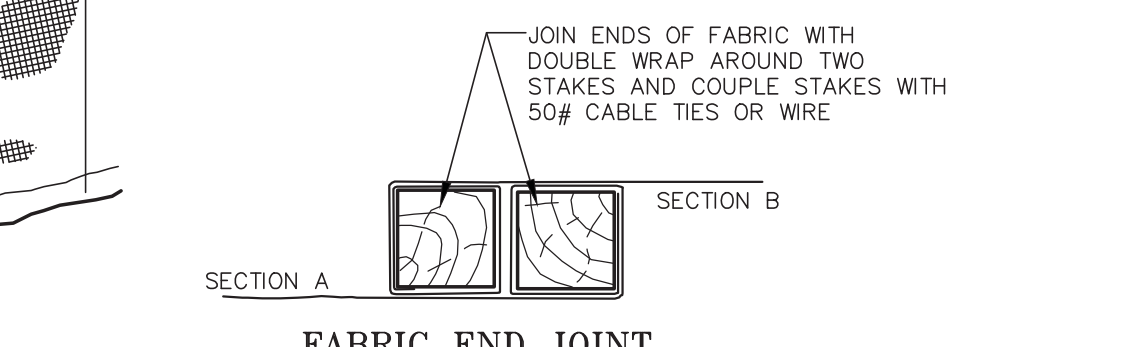


**BIORETENTION SYSTEM OUTLET STRUCTURE SECTION**  
NOT TO SCALE

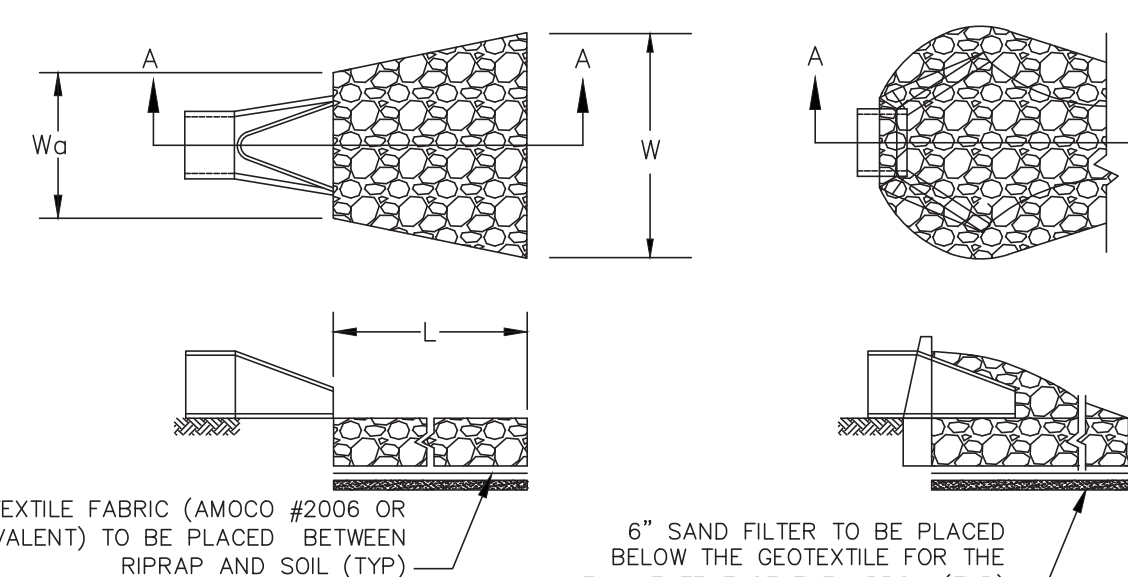
LOCATION	A	B	C	D	E
BIORETENTION 1	79.42	81.66	84.50	85.00	85.50
BIORETENTION 2	78.40	79.16	82.00	82.50	83.00

**SPECIFICATIONS FOR SILT FENCE INSTALLATION**

- INSTALL POSTS 4 FEET APART IN CRITICAL WATER RETENTION AREAS AND 6-10 FEET APART ON STANDARD APPLICATIONS.
- INSTALL POSTS 12 INCHES DEEP ON THE DOWN HILL SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC.
- SECURELY ATTACH THE FABRIC TO EACH POST WITH TIES SECURED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 2" VERTICALLY APART. ALSO, EACH TIE SHOULD WRAP APPROXIMATELY 6 INCHES OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
- THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION. USE A FLAT-BLADED SHOVEL TO TUCK FABRIC DEEPER INTO THE SILT IF NECESSARY.
- COMPACTION IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQUARE INCH.



**FABRIC END JOINT**



**NOTES:**

- THE SUBGRADE FOR THE GEOTEXTILE FABRIC AND RIPRAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
- THE RIPRAP SHALL CONFORM TO THE SPECIFIED GRADATION.
- GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIPRAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
- STONE FOR THE RIPRAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.
- OUTLETS TO A DEFINED CHANNEL SHALL HAVE 2:1 OR FLATTER SIDE SLOPES AND SHOULD BEGIN AT THE TOP OF THE CULVERT AND TAPER DOWN TO THE CHANNEL BOTTOM THROUGH THE LENGTH OF THE APRON.
- MAINTENANCE: THE OUTLET PROTECTION SHOULD BE CHECKED AT LEAST ANNUALLY AND AFTER EVERY MAJOR STORM. IF THE RIPRAP HAS BEEN DISPLACED, UNDERMINED OR DAMAGED, IT SHOULD BE REPAIRED IMMEDIATELY. THE CHANNEL IMMEDIATELY BELOW THE OUTLET SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAILWATER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO OUTLET PROTECTION.

**RIP RAP OUTLET PROTECTION APRON**  
NOT TO SCALE

**WINTER CONSTRUCTION NOTES:**

ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE ELSEWHERE. MULCH REMAINING IN THE SPRING SHALL BE REMOVED AND REPLACED AT RATE OF 2 TONS PER ACRE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND TACKIFIER SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND.

ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRAVEL PER M200 ITEM 304.3 OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

**EROSION CONTROL NOTES:**

CATCH BASINS - CARE SHOULD BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT ENTER CATCH BASINS DURING EXCAVATION FOR PIPE TRENCHES, DITCHES AND SWALES. THE CONTRACTOR SHOULD PLACE IMPERMEABLE INLET PROTECTION OVER INLETS IN AREAS OF SOIL DISTURBANCE, WHICH ARE SUBJECT TO SEDIMENT CONTAMINATION.

PLACE INLET PROTECTION DEVICES IN CATCH BASINS AND MAINTAIN UNTIL ALL CONSTRUCTION ACTIVITIES HAVE CEASED AND THE SURROUNDING AREAS ARE WELL VEGETATED.

**SCHEDULE OF WORK:**  
THIS WORK IS ANTICIPATED TO BEGIN IN THE FALL OF 2016 WITH A FINAL COMPLETION DATE IN THE FALL OF 2019.

ADEQUATE MEASURES SHOULD BE TAKEN TO MINIMIZE AIR BORNE DUST PARTICLES ARISING FROM SOIL DISTURBANCE AND CONSTRUCTION.

- DISTURBANCE OF AREAS SHOULD BE MINIMIZED AND NOT EXCEED 5 ACRES AT ANY ONE TIME.
- NO DISTURBED AREA SHOULD BE LEFT UNSTABILIZED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON.
- PERMANENT EROSION CONTROL FEATURES SHOULD BE INCORPORATED INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME, AS SPECIFIED ON THE CONTRACT PLANS.
- WITHIN 14 DAYS OF COMPLETING WORK IN AN AREA, AND PRIOR TO ANTICIPATED RAIN EVENTS, APPLY HAY/STRAW MULCH AND TACKIFIER ON ALL DISTURBED SOIL AREAS. APPLICATION RATES OF 2 TONS OF STRAW OR HAY PER ACRE SHOULD BE USED TO PREVENT EROSION UNTIL VEGETATIVE COVER CAN BE ESTABLISHED. ALTERNATIVELY, APPLY WOOD CHIPS OR GROUND BARK MULCH 2 TO 6 INCHES DEEP AT A RATE OF 10 TO 20 TONS PER ACRE.
- WHEN EROSION IS LIKELY TO BE A PROBLEM, GRUBBING OPERATION SHOULD BE SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATION AND PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER.
- AS WORK PROGRESSES, GRUBBING AND MULCHING SHOULD BE DONE AS REQUIRED ON AREAS PREVIOUSLY TREATED TO MAINTAIN OR ESTABLISH PROTECTIVE COVER.
- REMOVE ACCUMULATED SEDIMENTS AND DEBRIS WHEN SEDIMENT CONTAINMENT DEVICES REACH 33% CAPACITY.

**EROSION CONTROL IMPLEMENTATION SCHEDULE**

THE FOLLOWING GENERAL SCHEDULE IDENTIFIES THE PROPOSED SOIL EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT MEASURES THAT ARE TO BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION:

- PERFORM LIMITED GRUBBING, STRIPPING AND SITE GRADING ONLY AS NEEDED TO COMPLETE IMMEDIATE WORK GOALS.
- BLOCK STORM WATER FLOW AS NECESSARY TO INSTALL ALL STORM WATER STRUCTURES IN THE DRY.
- INSTALL PERMANENT STORM DRAIN SYSTEM.
- INSTALL TEMPORARY SOIL STABILIZATION MEASURE INCLUDING SEED, MULCH, FERTILIZER, MATTING, ETC.
- REDIRECT FLOWS INTO FINISHED STRUCTURES PRIOR TO FILL OPERATIONS.
- PLACE HUMUS AND CONDUCT PERMANENT SEEDING AND MULCHING OF ALL DISTURBED GROUND.

**TEMPORARY STABILIZATION:** EROSION CONTROL MEASURES SHALL BE IMPLEMENTED, AS WRITTEN HEREIN AND AS DEPICTED ON THE ACCOMPANYING PLAN, FROM THE COMMENCEMENT OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS COMPLETE.

**TEMPORARY GRADING:** TEMPORARY GRADING DURING CONSTRUCTION SHOULD BE PERFORMED IN SUCH A MANNER TO FACILITATE MAXIMUM INFILTRATION OF STORMWATER AND MINIMIZE OR ELIMINATE STORMWATER RUNOFF FROM THE SITE.

**MULCH:** MULCHING WITH LOOSE HAY OR STRAW, AT A RATE OF 2 TONS PER ACRE, SHALL BE DONE IMMEDIATELY AFTER EACH AREA HAS BEEN FINAL GRADED. WHEN SEED FOR EROSION CONTROL IS SOWN PRIOR TO PLACING THE MULCH, THE MULCH SHOULD BE PLACED ON THE SEEDED AREAS WITHIN 48 HOURS AFTER SEEDING.

**TACKIFIER:** PLACEMENT OF SOIL TACKIFIER HAS PROVEN TO BE AN EFFECTIVE METHOD OF PREVENTING SOIL AND ADHERING MULCH IN PLACE. THE TACKIFIER SHOULD BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND SHOULD BE REAPPLIED AS NECESSARY TO CONTROL AIR BORN DUST AND SOIL AND MULCH LOSS UNTIL PERMANENT VEGETATION IS ESTABLISHED.

**ROAD CLEANING:** THE CONTRACTOR SHALL SWEEP ROADS DAILY, OR AS NEEDED TO MAINTAIN CLEAN PAVED SURFACES AT ALL CONSTRUCTION ACCESS POINTS.

**DUST CONTROL:** THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED TO PREVENT AIRBORNE DUST PARTICLES FROM LEAVING THE SITE. DUST CONTROL MEASURES SHALL CONSIST OF USE OF A WATER TRUCK EQUIPPED WITH A SPRAY-BAR THAT DISSIPATES THE WATER EVENLY OVER THE SURFACE.

**PERMANENT STABILIZATION:** GRASS, TREES, SHRUBS AND MULCHED PLANTING BEDS WILL BE CONSTRUCTED AND MAINTAINED IN LOCATIONS AS SHOWN ON THE DRAWINGS TO STABILIZE AREAS NOT WITHIN THE PARKING LOT/BUILDING FOOTPRINT. THE CONTRACTOR WILL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL, FOR ONE YEAR AFTER COMPLETION.

AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:

- BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
- A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
- A MINIMUM OF 3" OF NON-EROSIVE MATERIAL, SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED;
- EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

**EXCAVATION DEWATERING:** SHOULD EXCAVATION DEWATERING BE REQUIRED, THE CONTRACTOR MUST INSURE THAT ANY EXCAVATION DEWATERING DISCHARGES ARE NOT CONTAMINATED. NOTE: THE WATER IS CONSIDERED UNCONTAMINATED IF THERE IS NO GROUNDWATER CONTAMINATION WITHIN 1,000 FEET OF THE DISCHARGE.

THE CONTRACTOR MUST TREAT ANY UNCONTAMINATED EXCAVATION DEWATERING AS NECESSARY TO REMOVE SUSPENDED SOLIDS AND TURBIDITY DURING CONSTRUCTION. THE DISCHARGES MUST BE SAMPLED AT A LOCATION PRIOR TO MIXING WITH STORM WATER OR STREAM FLOW AT LEAST ONCE PER WEEK DURING WEEKS WHEN DISCHARGES OCCUR. THE SAMPLES MUST BE ANALYZED FOR TOTAL SUSPENDED SOLIDS (TSS) AND MUST MEET MONTHLY AVERAGE AND MAXIMUM DAILY TSS LIMITATIONS OF 50 MILLIGRAMS PER LITER (MG/L), RESPECTIVELY.

**STORMWATER POLLUTION PREVENTION PLAN:** THE PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE USEPA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION PERMIT, WHICH INCLUDES A WRITTEN STORM WATER POLLUTION PREVENTION (SWPPP) PLAN FOR CONSTRUCTION. THE SWPPP PLAN SHALL OUTLINE DETAILED SPECIFICATIONS FOR IMPLEMENTATION, INSPECTION, AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR COMPLIANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN, SHALL BE RESPONSIBLE FOR AMENDING THE SWPPP ACCORDINGLY, AND SHALL BE RESPONSIBLE FOR ANY PENALTIES RESULTING FROM LACK OF COMPLIANCE.

**SPECIFICATIONS FOR TEMPORARY AND PERMANENT SEEDING:**

GRASS SEED MIXES SHALL CONSIST OF THE MIXTURES AS DETAILED IN THE FOLLOWING TABLES, WITH 98% PURITY.

EROSION CONTROL SEED MIX		
SEED	BY % MASS	% GERMINATION (MIN.)
WINTER RYE (90 MAX)	80 (MIN.)	85
RED FESCUE (CREEPING)	4 (MIN.)	90
PERENNIAL RYE GRASS	3 (MIN.)	90
RED CLOVER	3 (MIN.)	90
OTHER CROP GRASS	0.5 (MAX)	
NOXIOUS WEED SEED	0.5 (MAX)	
INERT MATTER	1.0 (MAX)	

PERMANENT SEED MIX		
SEED	BY % MASS	% GERMINATION (MIN.)
RED FESCUE (CREEPING)	90	85
KENTUCKY BLUE	25	85
PERENNIAL RYE GRASS	10	90
RED TOP	10	85
LANDING CLOVER	5	85

REVISIONS NO.	DATE	REMARKS	BY

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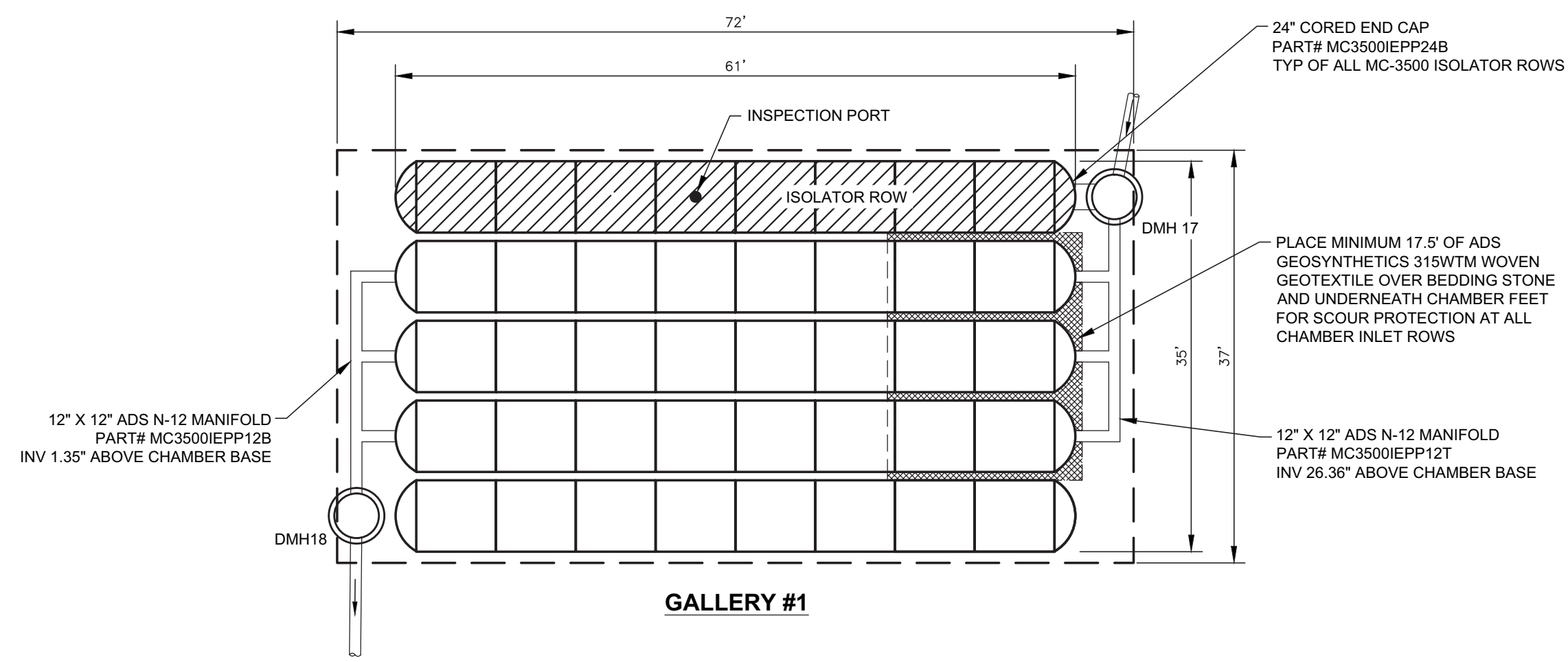
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**PROPOSED LAYOUT - DETENTION GALLERY**

(4) STORMTECH MC-3500 CHAMBERS  
 (10) STORMTECH MC-3500 END CAPS  
 INSTALLED WITH 12" COVER STONE, 9" BASE STONE, 40% STONE VOIDS

**PROPOSED ELEVATIONS**

MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	100.50
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	95.00
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	94.50
TOP OF STONE:	93.50
TOP OF CHAMBER:	92.50
12" TOP MANIFOLD INVERT:	90.96
12" BOTTOM MANIFOLD INVERT:	88.96
24" ISOLATOR ROW INVERT:	88.92
BOTTOM OF CHAMBER:	88.75
BOTTOM OF STONE:	88.00

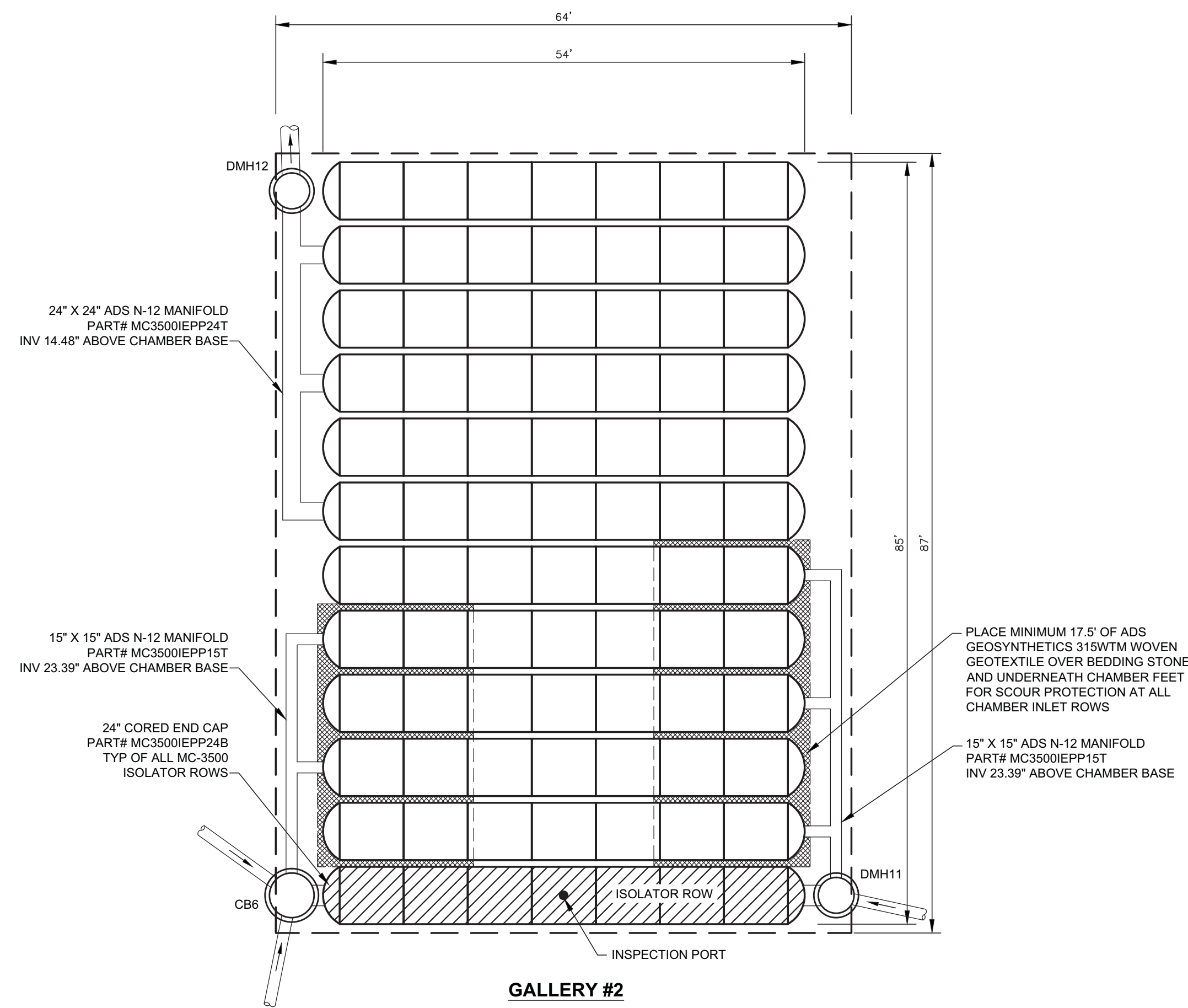


**PROPOSED LAYOUT - INFILTRATION GALLERY**

(64) STORMTECH MC-3500 CHAMBERS  
 (24) STORMTECH MC-3500 END CAPS  
 INSTALLED WITH 12" COVER STONE, 9" BASE STONE, 40% STONE VOIDS

**PROPOSED ELEVATIONS**

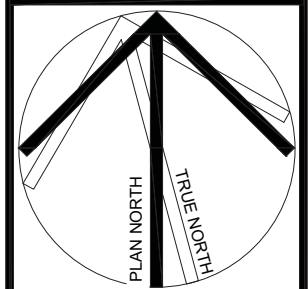
MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	95.50
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	90.00
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	89.50
TOP OF STONE:	88.50
TOP OF CHAMBER:	87.50
15" TOP MANIFOLD INVERT:	85.70
24" TOP MANIFOLD INVERT:	84.96
24" ISOLATOR ROW INVERT:	83.92
BOTTOM OF CHAMBER:	83.75
BOTTOM OF STONE:	83.00



HMFH ARCHITECTS

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 Dover, NH 03820  
 603.751.1111  
 www.hmfh.com

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 CAD DRAWING FILE: 891201-01-C-700-DETL.dwg



Dover HS / CTC  
 Dover, NH  
**STORMTECH DETAILS**  
 SCALE: NOT TO SCALE DRAWN BY: EC CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER  
**C-6.5**  
 DOWER PLAN NO. FIG. 12  
 JOB NUMBER 891201-01

**MC-3500 INSPECTION PORT DETAIL**  
NTS

**MC-3500 ISOLATOR ROW DETAIL**  
NTS

**ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS**

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE 'D' LAYER TO 2" (50 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 <sup>1</sup> A-1, A-2, A-3 OR AASHTO M43 <sup>1</sup> 3, 3S7, 4, 4S7, 5, 5S, 5 <sup>1</sup> , 6, 6 <sup>1</sup> , 6S, 7, 7S, 8, 8S, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 <sup>1</sup> 3, 4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 <sup>1</sup> 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. **

PLEASE NOTE:  
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR 8# STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M8) STONE."  
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) MAX LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.  
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.

**MC-3500 TECHNICAL SPECIFICATION**  
NTS

**NOMINAL CHAMBER SPECIFICATIONS**  
SIZE (W X H X INSTALLED LENGTH) 77.0" X 45.0" X 86.0" (1956 mm X 1143 mm X 2184 mm)  
CHAMBER STORAGE 158.9 CUBIC FEET (4.51 m<sup>3</sup>)  
MINIMUM INSTALLED STORAGE\* 178.9 CUBIC FEET (5.06 m<sup>3</sup>)  
WEIGHT 135.0 lbs. (61.2 kg)

**NOMINAL END CAP SPECIFICATIONS**  
SIZE (W X H X INSTALLED LENGTH) 77.0" X 45.0" X 22.5" (1956 mm X 1143 mm X 571 mm)  
END CAP STORAGE 14.9 CUBIC FEET (0.42 m<sup>3</sup>)  
MINIMUM INSTALLED STORAGE\* 46.3 CUBIC FEET (1.30 m<sup>3</sup>)  
WEIGHT 50.0 lbs. (22.7 kg)

\*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION AND BETWEEN CHAMBERS, 12" (305 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"  
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART #	STUB	B	C
MC3500IEPP0E	6" (150 mm)	33.21" (844 mm)	---
MC3500IEPP0B	---	---	0.66" (17 mm)
MC3500IEPP0T	6" (200 mm)	31.16" (791 mm)	---
MC3500IEPP0B	---	---	0.81" (21 mm)
MC3500IEPP1T	10" (250 mm)	29.04" (738 mm)	---
MC3500IEPP1B	---	---	0.93" (24 mm)
MC3500IEPP1T	12" (300 mm)	26.38" (670 mm)	---
MC3500IEPP1B	---	---	1.35" (34 mm)
MC3500IEPP1T	15" (375 mm)	23.39" (594 mm)	---
MC3500IEPP1B	---	---	1.50" (38 mm)
MC3500IEPP1T	20.03" (509 mm)	---	---
MC3500IEPP1B	---	---	1.77" (45 mm)
MC3500IEPP2T	24" (600 mm)	14.48" (368 mm)	---
MC3500IEPP2B	---	---	2.06" (52 mm)
MC3500IEPP3B	30" (750 mm)	---	---

NOTE: ALL DIMENSIONS ARE NOMINAL.  
CUSTOM PRECURED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORED MANIFOLDS INCLUDE 12" (305 mm) SIZE ON SIZE AND 15" (381 mm) (75-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm).  
THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

**STORMWATER CHAMBER SPECIFICATIONS**

- CHAMBERS SHALL BE STORMTECH MC-3500 OR APPROVED EQUAL.
- CHAMBERS SHALL BE MADE FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPIDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOADS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON REQUEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
  - A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.35 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY AASHTO FOR THERMOPLASTIC PIPE.
  - A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET, THE 50 YEAR CREEP MODULUS DATA SPECIFIED IN ASTM F2418 MUST BE USED AS PART OF THE AASHTO STRUCTURAL EVALUATION TO VERIFY LONG-TERM PERFORMANCE.
  - STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

**IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM**

- STORMTECH MC-3500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500MC-4500 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
  - STONESHOOTER LOCATED OFF THE CHAMBER BED.
  - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
  - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- MAINTAIN MINIMUM - 9" (230 mm) SPACING BETWEEN THE CHAMBER ROWS.
- END CAPS SHALL BE FASTENED TO CHAMBERS WITH (3) 1/2" COARSE THREAD SCREWS.
- INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm) MEETING THE AASHTO M43 DESIGNATION OF 43 OR #4.
- STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

**NOTES FOR CONSTRUCTION EQUIPMENT**

- STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500MC-4500 CONSTRUCTION GUIDE".
- THE USE OF EQUIPMENT OVER MC-3500 CHAMBERS IS LIMITED:
  - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
  - NO RUBBER TREAD LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500MC-4500 CONSTRUCTION GUIDE".
  - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-3500MC-4500 CONSTRUCTION GUIDE".
- FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

**StormTech**  
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70 INWOOD ROAD, SUITE 3 | ROCKY HILL | CT | 06067  
860-529-8188 | 888-892-2694 | WWW.STORMTECH.COM

REVISIONS NO.	DATE	REMARKS	BY

# HM FH

HM FH ARCHITECTS  
100 Brimley Road, Suite 200  
Cheshire, MA 02739  
617.492.2200  
@HMFHArchitect hmfh.com

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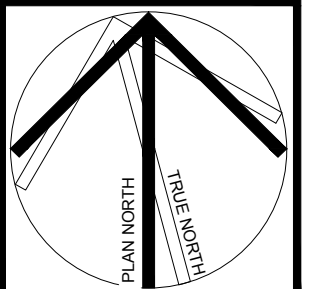
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Dover, NH  
**STORMTECH DETAILS**  
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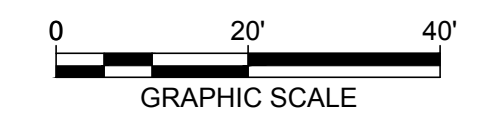
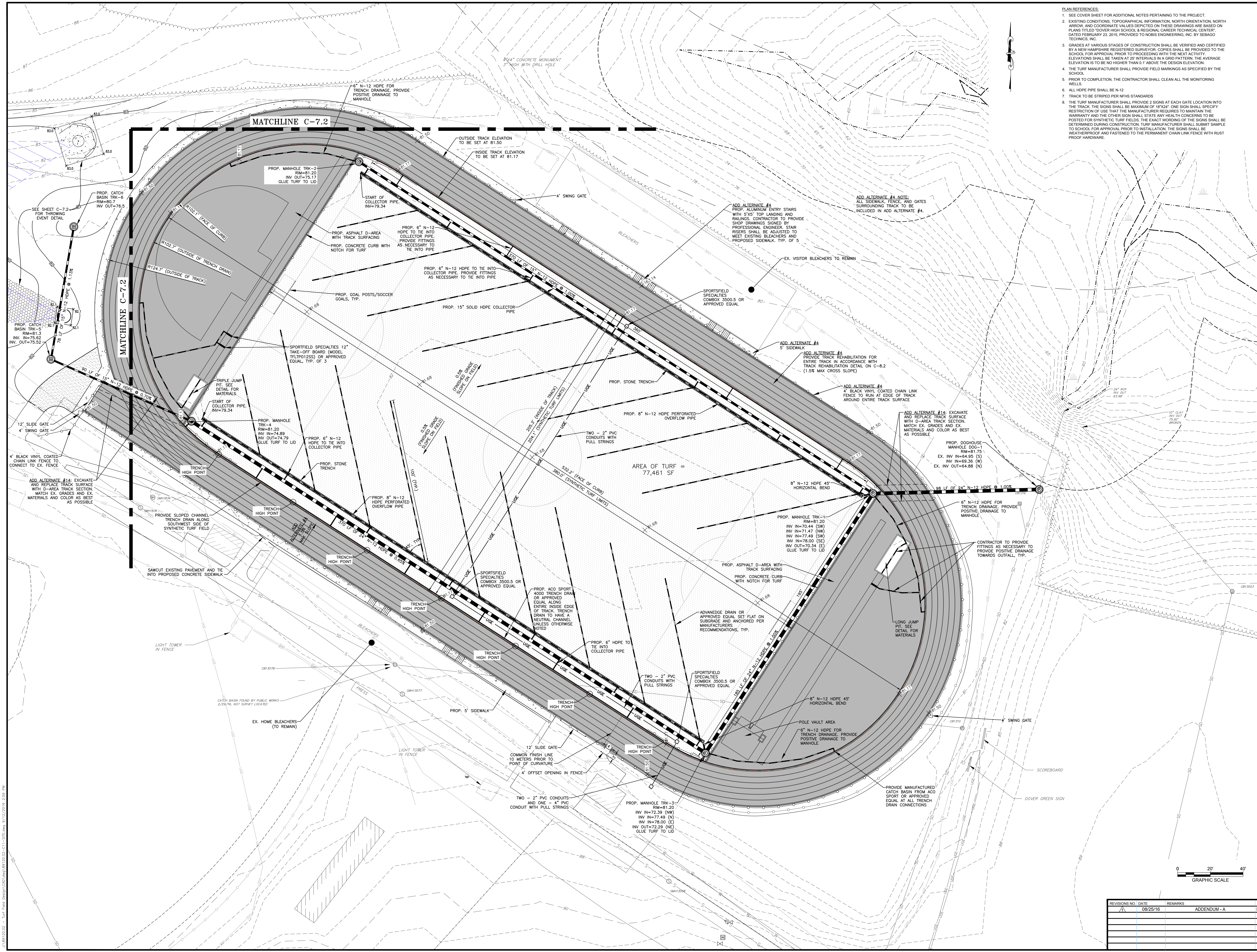
**C-6.6**

OWNER PLAN NO. P16.12  
JOB NUMBER 891201

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- PLAN REFERENCES
- SEE COVER SHEET FOR ADDITIONAL NOTES PERTAINING TO THE PROJECT.
  - EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED DOVER HIGH SCHOOL & REGIONAL CAREER TECHNICAL CENTER, DATED FEBRUARY 23, 2015, PROVIDED TO NOBIS ENGINEERING, INC. BY SEBAGO TECHNICS, INC.
  - GRADES AT VARIOUS STAGES OF CONSTRUCTION SHALL BE VERIFIED AND CERTIFIED BY A NEW HAMPSHIRE REGISTERED SURVEYOR. COPIES SHALL BE PROVIDED TO THE SCHOOL FOR APPROVAL PRIOR TO PROCEEDING WITH THE NEXT ACTIVITY. ELEVATIONS SHALL BE TAKEN AT 20' INTERVALS IN A GRID PATTERN. THE AVERAGE ELEVATION IS TO BE NO HIGHER THAN 0.1' ABOVE THE DESIGN ELEVATION.
  - THE TURF MANUFACTURER SHALL PROVIDE FIELD MARKINGS AS SPECIFIED BY THE SCHOOL.
  - PRIOR TO COMPLETION, THE CONTRACTOR SHALL CLEAN ALL THE MONITORING WELLS.
  - ALL HDPE PIPE SHALL BE N-12.
  - TRACK TO BE STRIPPED PER NFHS STANDARDS.
  - THE TURF MANUFACTURER SHALL PROVIDE 2 SIGNS AT EACH GATE LOCATION INTO THE TRACK. THE SIGNS SHALL BE MAXIMUM OF 18"X24". ONE SIGN SHALL SPECIFY RESTRICTION OF USE THAT THE MANUFACTURER REQUIRES TO MAINTAIN THE WARRANTY AND THE OTHER SIGN SHALL STATE ANY HEALTH CONCERNS TO BE POSTED FOR SYNTHETIC TURF FIELDS. THE EXACT WORDING OF THE SIGNS SHALL BE DETERMINED DURING CONSTRUCTION. TURF MANUFACTURER SHALL SUBMIT SAMPLE TO SCHOOL FOR APPROVAL PRIOR TO INSTALLATION. THE SIGNS SHALL BE WEATHERPROOF AND FASTENED TO THE PERMANENT CHAIN LINK FENCE WITH RUST PROOF HARDWARE.



REVISIONS NO.	DATE	REMARKS	BY
1	08/25/16	ADDENDUM - A	EC

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**09/12/2016**

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PLAN NORTH

Dover, NH / CTC

**SYNTHETIC TURF FIELD  
AND TRACK LAYOUT**

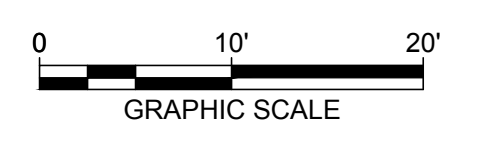
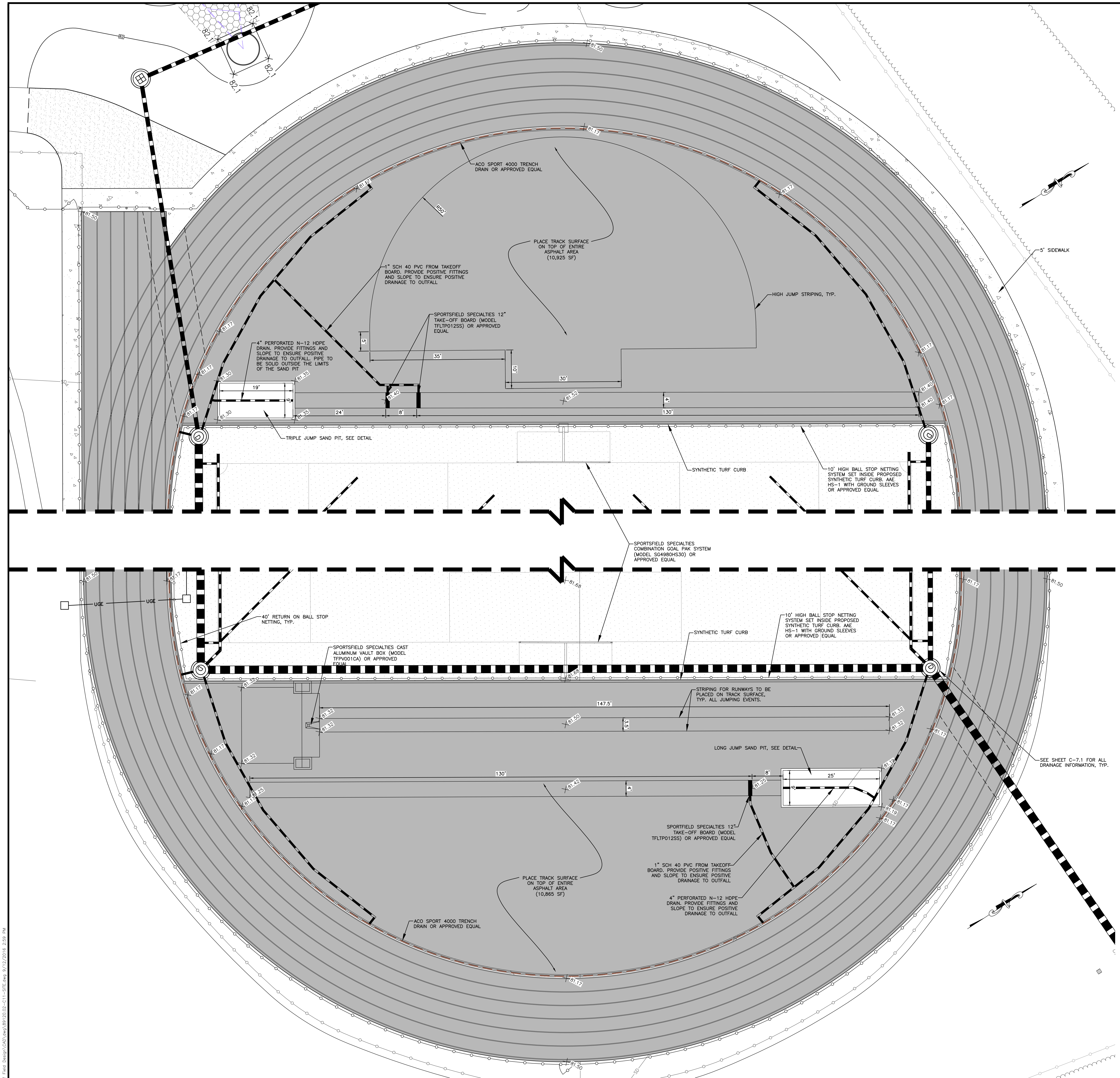
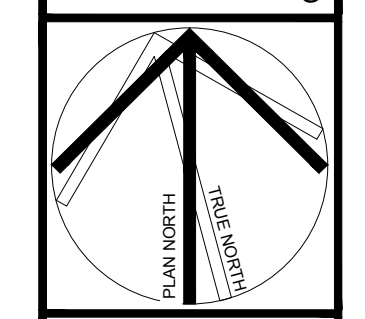
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REVISIONS NO.	DATE	REMARKS	BY
1	08/25/16	ADDENDUM - A	EC

C-7.2

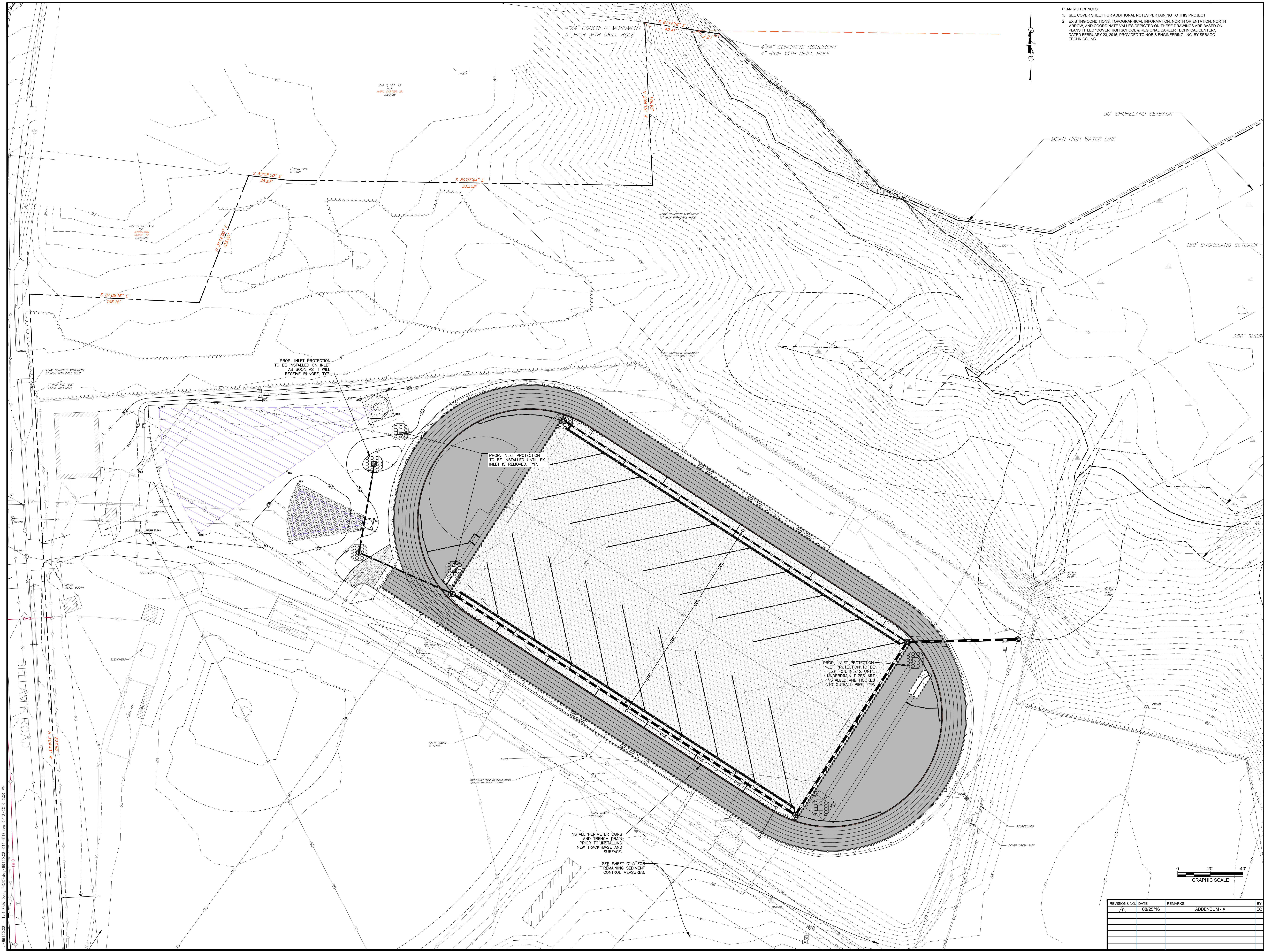
JOB NUMBER: 89120-01

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REVISIONS NO.	DATE	REMARKS	BY

**C-7.3**

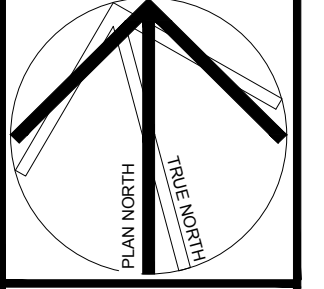


PLAN REFERENCES:  
 1. SEE COVER SHEET FOR ADDITIONAL NOTES PERTAINING TO THIS PROJECT  
 2. EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED 'DOVER HIGH SCHOOL & REGIONAL CAREER TECHNICAL CENTER', DATED FEBRUARY 23, 2015, PROVIDED TO NOBIS ENGINEERING, INC. BY SEBAGO TECHNICS, INC.

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 ARCHITECTS  
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 Centerville, MA 02734  
 (508) 885-1100  
 www.hm-fh.com  
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 09/12/2016  
 CAD DRAWING FILE: 892020.CT-1 SITE.dwg



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 Dover, NH  
**TRACK AND FIELD  
 EROSION CONTROL PLAN**  
 SCALE: 1"=20'  
 DRAWN BY: EC  
 CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY
1	08/25/16	ADDENDUM - A	EC

**C-7.4**  
 JOB NUMBER 8912001

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### HSDC High School Discus Cage Ground Sleeve Placements

Meets & Exceeds All NFHS Rules & Specifications

**AAE**  
Aluminum Athletic Equipment  
100 Elmwood Drive, Concord, MA 02142  
Tel: 978-362-1100 Fax: 978-362-1101  
www.aae.com

DESCRIPTION: HSDC - Ground Sleeve Layout  
NOTE: High School Discus Cage  
DATE: 08/09/10  
DRAWN BY: CUSTOMER  
TAD: HSDC Packet  
HSDC-C-001

### HSDC High School Discus Cage Plan View Layout

Meets & Exceeds All NFHS Rules & Specifications

**AAE**  
Aluminum Athletic Equipment  
100 Elmwood Drive, Concord, MA 02142  
Tel: 978-362-1100 Fax: 978-362-1101  
www.aae.com

DESCRIPTION: HSDC - Plan View Layout  
NOTE: High School Discus Cage  
DATE: 08/09/10  
DRAWN BY: CUSTOMER  
TAD: HSDC Packet  
HSDC-C-002

Main Net Size = 14'-0" High x 54'-0" Perimeter  
Optional Barrier Net Size = 8'-0" High x 61'-2" Perimeter

### HSDC High School Discus Cage Installation/Upright Specifications

Meets & Exceeds All NFHS Rules & Specifications

**AAE**  
Aluminum Athletic Equipment  
100 Elmwood Drive, Concord, MA 02142  
Tel: 978-362-1100 Fax: 978-362-1101  
www.aae.com

DESCRIPTION: HSDC - Installation/Upright Specifications  
NOTE: High School Discus Cage  
DATE: 08/09/10  
DRAWN BY: CUSTOMER  
TAD: HSDC Packet  
HSDC-C-003

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**AAE**  
Aluminum Athletic Equipment  
100 Elmwood Drive, Concord, MA 02142  
Tel: 978-362-1100 Fax: 978-362-1101  
www.aae.com

DESCRIPTION: TFPV001CA - CAST ALUMINUM VAULT BOX  
NOTE: High School Discus Cage  
DATE: 08/09/10  
DRAWN BY: CUSTOMER  
TAD: HSDC Packet  
HSDC-C-004

DISCUS CAGE  
N.T.S

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HIGH SCHOOL FOOTBALL/SOCCER GOAL SYSTEM

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FOOTBALL/SOCCER GOAL  
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WITH REPLACEMENT BLANKING LID

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TAKEOFF BOARD  
N.T.S

### HBS-1 - 10' High Ballstopper System Detailed Specifications Post/Net/Hardware

ADDITIONAL NOTES:  
- Posts come anodized black, if needed powder-coated must specify HBS-1-PC for an additional cost.  
- Posts can be customized in height (only up to 14') for an additional cost.  
- All hardware is rustproof.  
- Heavy-duty ground sleeve plugs are available at an additional cost, must specify Model No. GSP-2.50 for plug and Model No. GRPR for the plug removal tool.

**AAE**  
Aluminum Athletic Equipment  
100 Elmwood Drive, Concord, MA 02142  
Tel: 978-362-1100 Fax: 978-362-1101  
www.aae.com

DESCRIPTION: HBS-1 - 10' High Ballstopper System - Specifications  
NOTE: High School Discus Cage  
DATE: 2/11/05  
DRAWN BY: CUSTOMER  
TAD: HBS-1 Ballstopper Specs  
HBS-1-C-001

### HBS-1 - Assembly

**#1 Steps for Post Assembly**

- Insert Eyebolt 2" from top and tighten with Wiz-Loc Nut.
- Insert Eyebolt to 1" high hole and tighten with Wiz-Loc Nut.
- Place Post into Ground Sleeve with Synthetic facing in towards playing field.
- Install a vertical net cable assembly on the two end posts. Use an anchor shackle to attach the top and bottom of the cable assembly to the top and bottom eyebolts on the post. Tension the cable using the turnbuckle at the bottom as necessary.

**#2 Steps for Erecting Net:**

- Lay the cable out along the length of the system.
- For the first post only, on the end of the coated stainless steel cable, measure 4 inches in and attach Cable Clamp with a Pear Clip.
- Measure the center end of the cable with a turnbuckle and trim the cable. The cable should be tight when the turnbuckle is centered between the first and second posts (see 20').
- Attach the turnbuckle to the bottom anchor shackle on the end post and tension the cable using the Cable Clamp at both ends.
- Clip the cable to the eyebolts at the bottom of each post using a pear clip.
- Stretch net evenly along ground in front of posts.
- Make sure that the length of the net extends beyond the distance between the first and last posts.
- Locate the coated stainless steel cable; this is the top of the net.
- Attach Pear Clips with Cable Clamps to 1/4" MFP Rope Border.
- Repeat Steps 14 through 18 until finished.
- Use plastic dividers every 10' to attach the sides of the net to the vertical net cables on each end post and the bottom of the net to the ground cable.

**Hardware**

- Pear Clip
- Eyebolt
- Cable Clamp
- Wiz-Loc Nut

**AAE**  
Aluminum Athletic Equipment  
100 Elmwood Drive, Concord, MA 02142  
Tel: 978-362-1100 Fax: 978-362-1101  
www.aae.com

DESCRIPTION: HBS-1 - Assembly Instructions  
NOTE: High School Discus Cage  
DATE: 11/8/03  
DRAWN BY: CUSTOMER  
TAD: HBS-1 Assembly Instructions  
HBS-1-C-002

### HBS-1 Ground Sleeves Specification & Installation

"PLEASE NOTE: Install eyebolt initially at 9'-0" high, and as net expands in time move to higher location.

"Please Consult Local Building Codes  
(Number of Posts & Sleeves vary, spaced evenly over total distance)

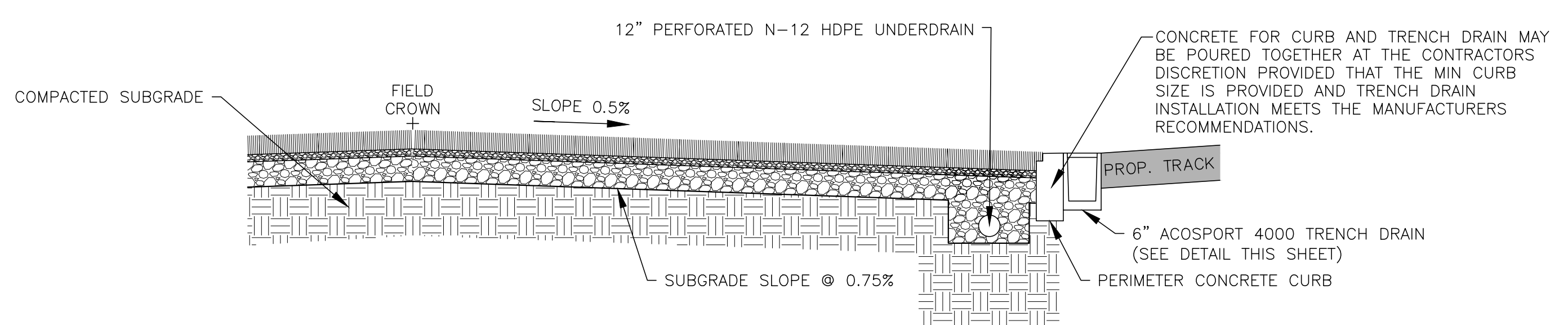
Maximum 20'-0" to 6'

**AAE**  
Aluminum Athletic Equipment  
100 Elmwood Drive, Concord, MA 02142  
Tel: 978-362-1100 Fax: 978-362-1101  
www.aae.com

DESCRIPTION: HBS-1 - Ground Sleeves - Specification & Installation  
NOTE: High School Discus Cage  
DATE: 2/16/05  
DRAWN BY: CUSTOMER  
TAD: HBS-1 G.S. Spec/Install  
HBS-1-C-003

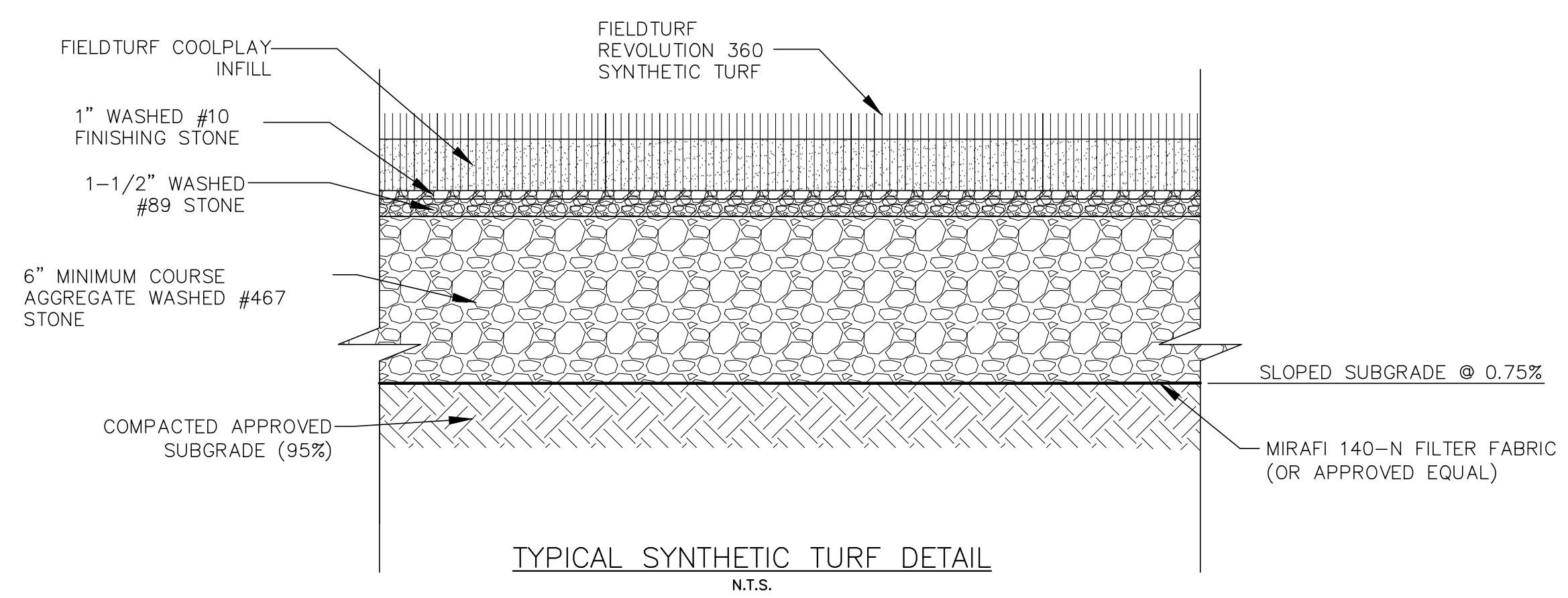
BALLSTOP NETTING SYSTEM  
N.T.S

REVISIONS NO. DATE REMARKS BY

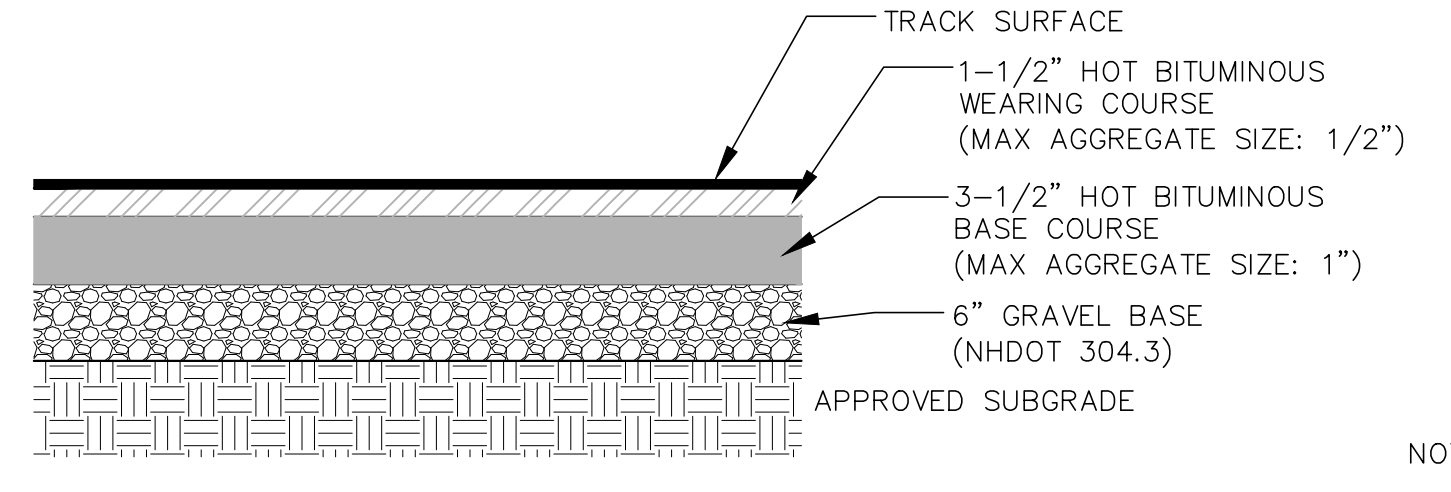
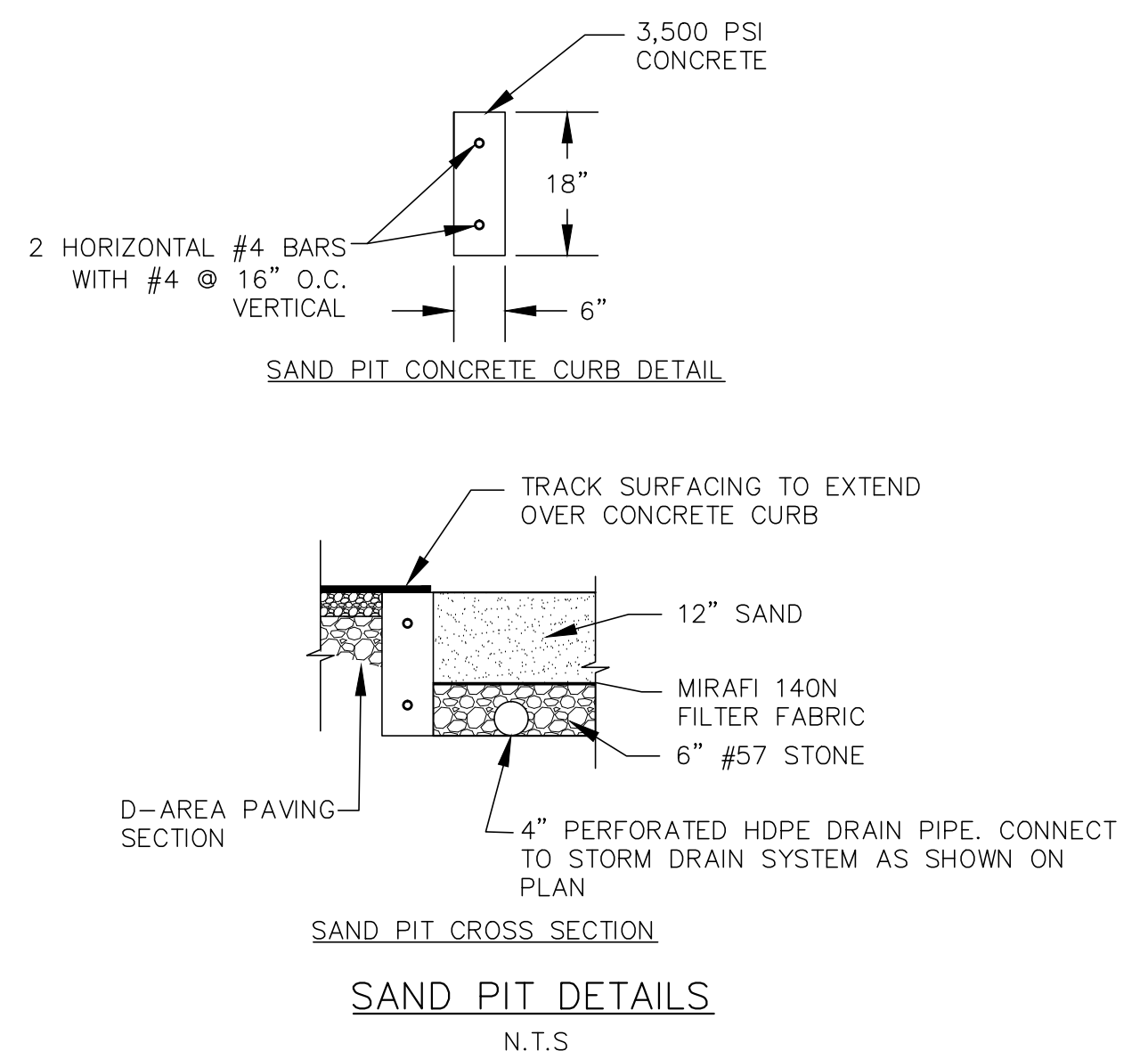


TYPICAL SECTION DETAIL  
N.T.S.

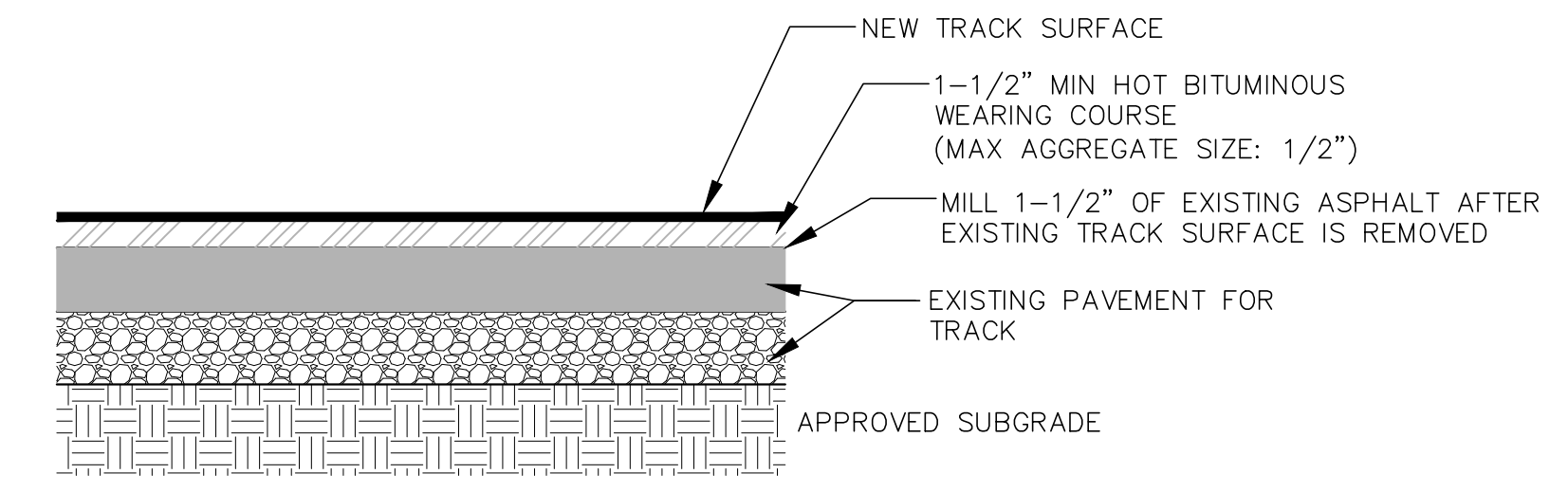
- GENERAL NOTES:
1. THE FIELD SUBGRADE SHALL BE SET ON A 0.75% SLOPE.
  2. ALL CONCRETE SHALL BE 3,500 PSI, MATERIALS AND CONSTRUCTION TO COMPLY WITH NEW HAMPSHIRE DOT STANDARD SPECIFICATIONS, LATEST EDITION.
  3. PERFORATIONS ON HDPE N-12 SHALL BE CLASS II AS DERIVED FROM AASHTO SPECIFICATIONS, THE PERFORATIONS SHALL BE LOCATED ON THE OUTSIDE VALLEYS OF THE CORRUGATIONS, BE CIRCULAR OR SLOTTED AND EVENLY SPACED AROUND THE CIRCUMFERENCE AND LENGTH OF THE PIPE, THE OPENING AREA FOR THE PERFORATIONS FOR 4" AND 6" PIPE SHALL BE 1 SQUARE INCH PER LINEAR FOOT OF PIPE.



TYPICAL SYNTHETIC TURF DETAIL  
N.T.S.

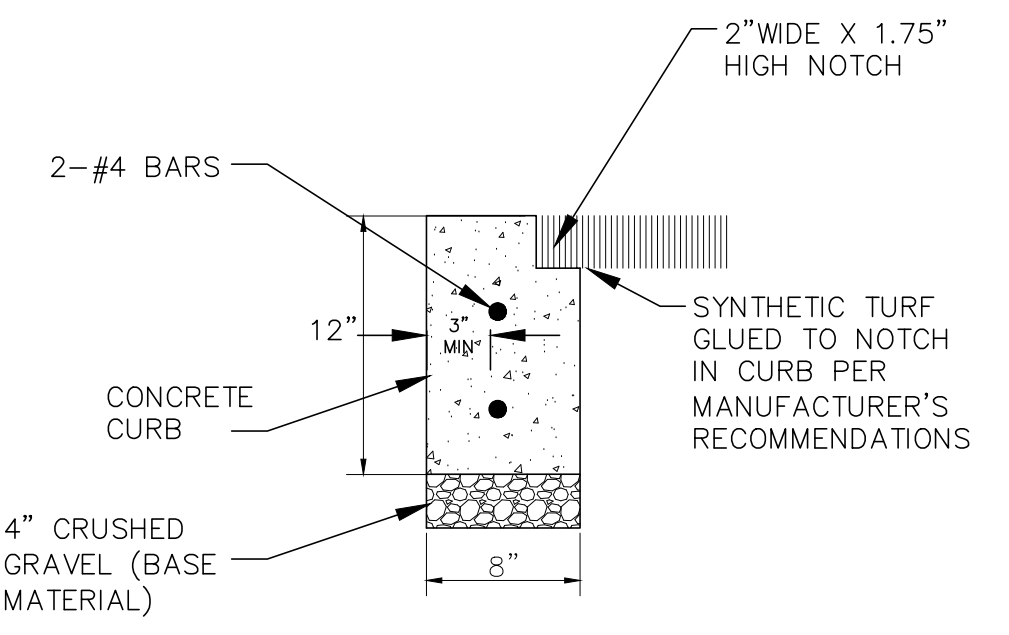
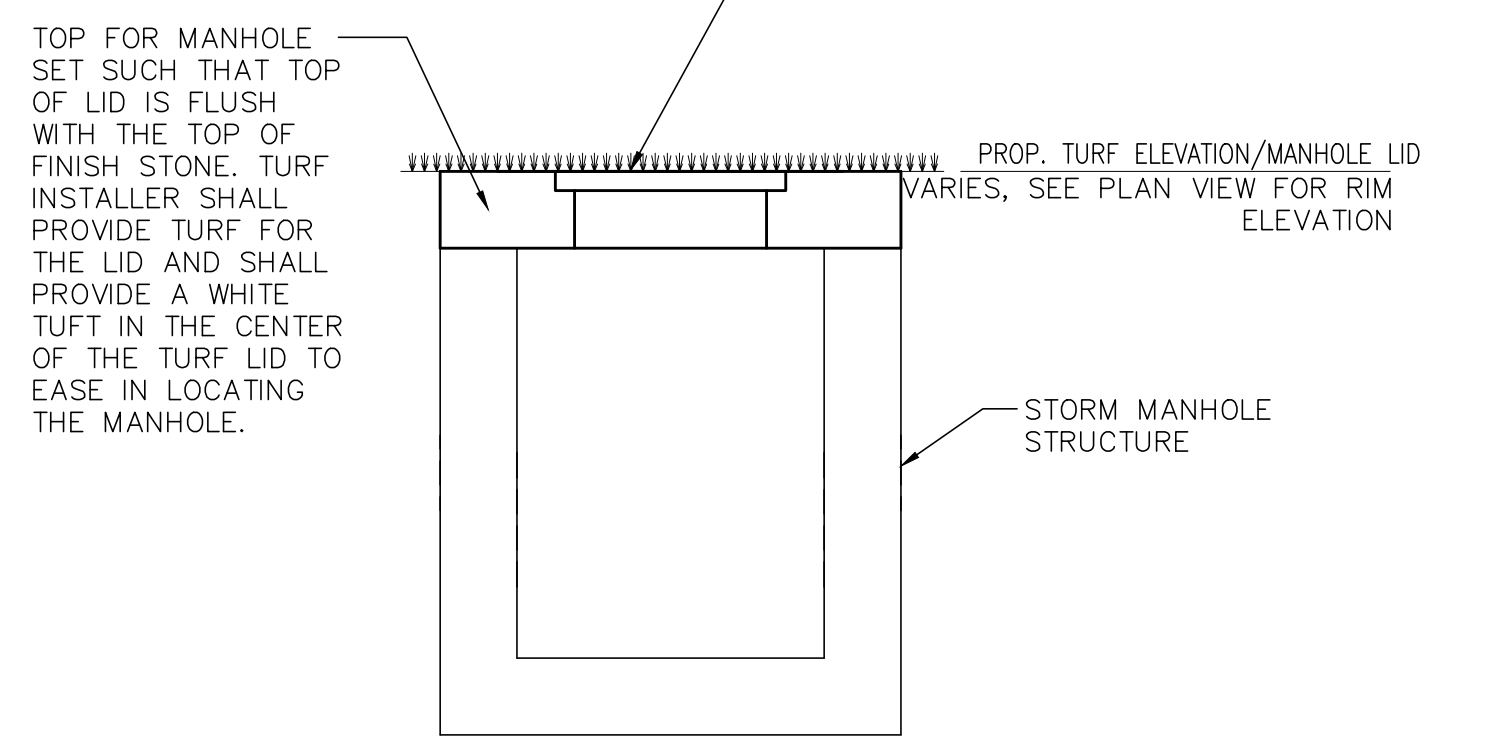


TRACK PAVEMENT @ D AREAS  
N.T.S.



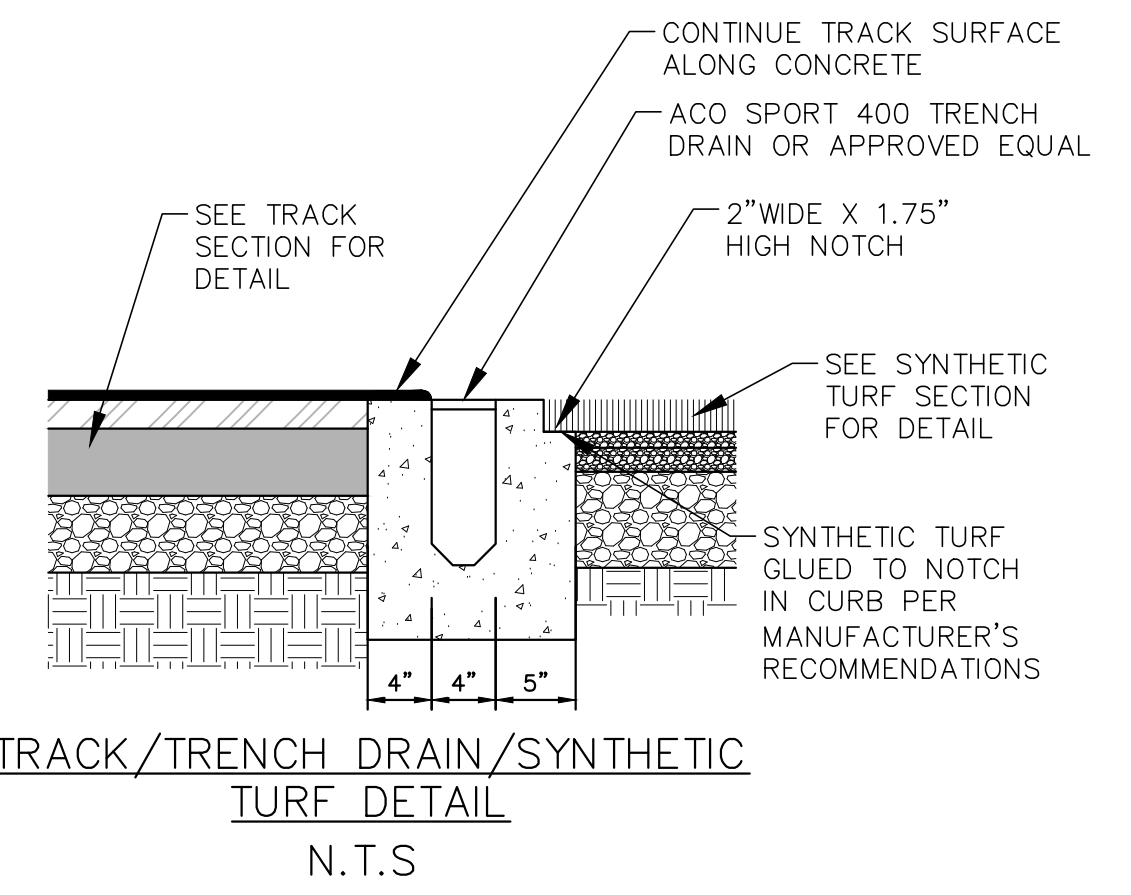
ADD ALTERNATE #4  
TRACK REHABILITATION  
N.T.S.

NOTE: AFTER EXISTING TRACK SURFACE IS REMOVED AND 1-1/2" OF EXISTING ASPHALT IS MILLED, THE ENTIRE REMAINING TRACK SECTION SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER. ANY FAILED AREAS SHALL HAVE FULL DEPTH PAVEMENT REPLACEMENT PER D-AREA PAVING SECTION THIS SHEET. CONTRACTOR SHALL PROVIDE A UNIT PRICE FOR FULL DEPTH REPLACEMENT WITH AN ALLOWANCE OF 100 % ASSUMED FOR BIDDING PURPOSES. PAYMENT SHALL BE BASED ON ACTUAL FIELD MEASURED REPLACEMENT. NEW ASPHALT PAVING SURFACE COURSE SHALL BE WEDGED TO MEET PROPOSED FINISHED GRADES. SEE PLAN FOR FINISH GRADES.



PERIMETER CURB DETAIL  
N.T.S.

- NOTES:
1. CONCRETE SHALL BE 3500 PSI



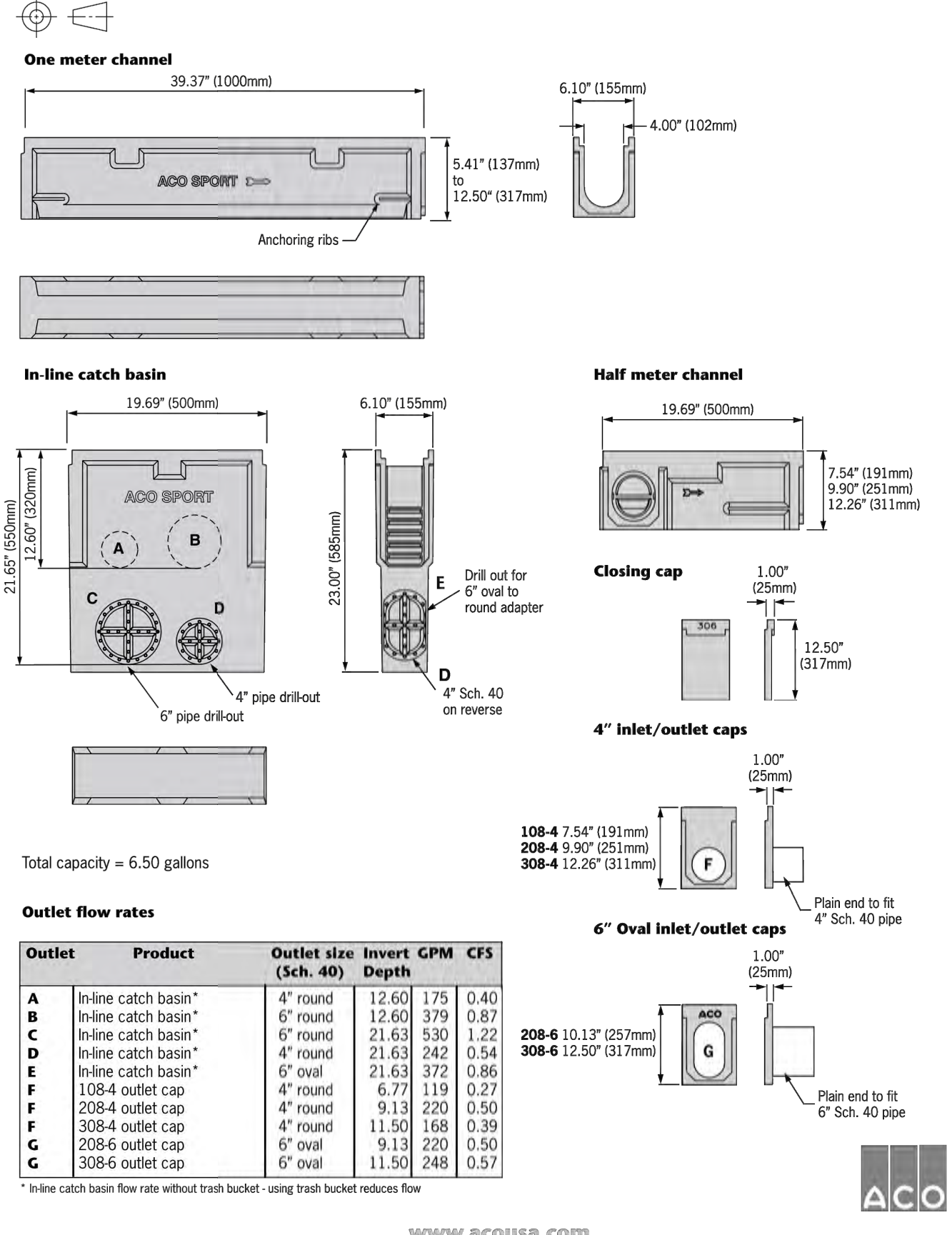
TRACK/TRENCH DRAIN/SYNTHETIC  
TURF DETAIL  
N.T.S.

**ACO SPORT**

Dec 07

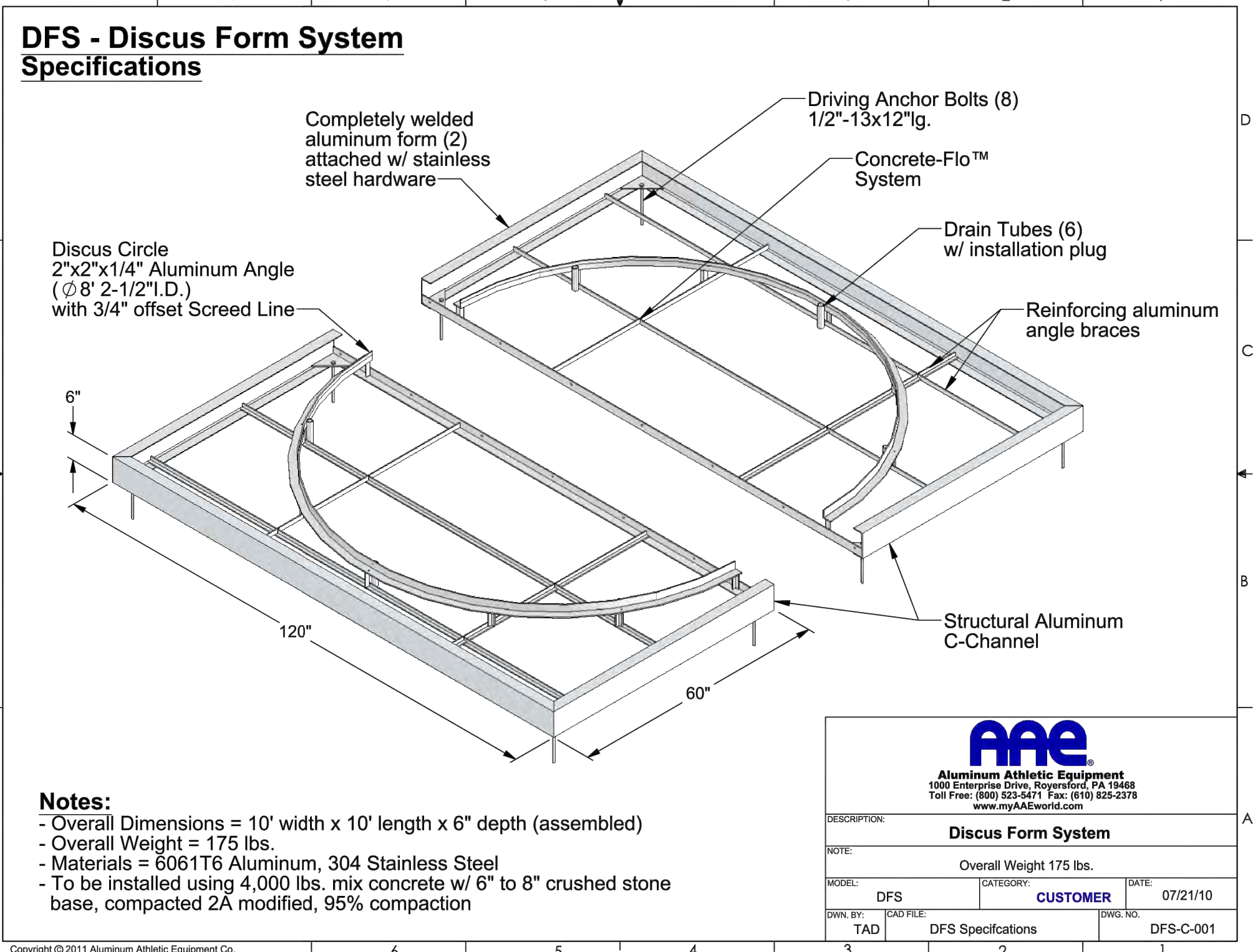
**System 4000**

**Open channel trench drain system**



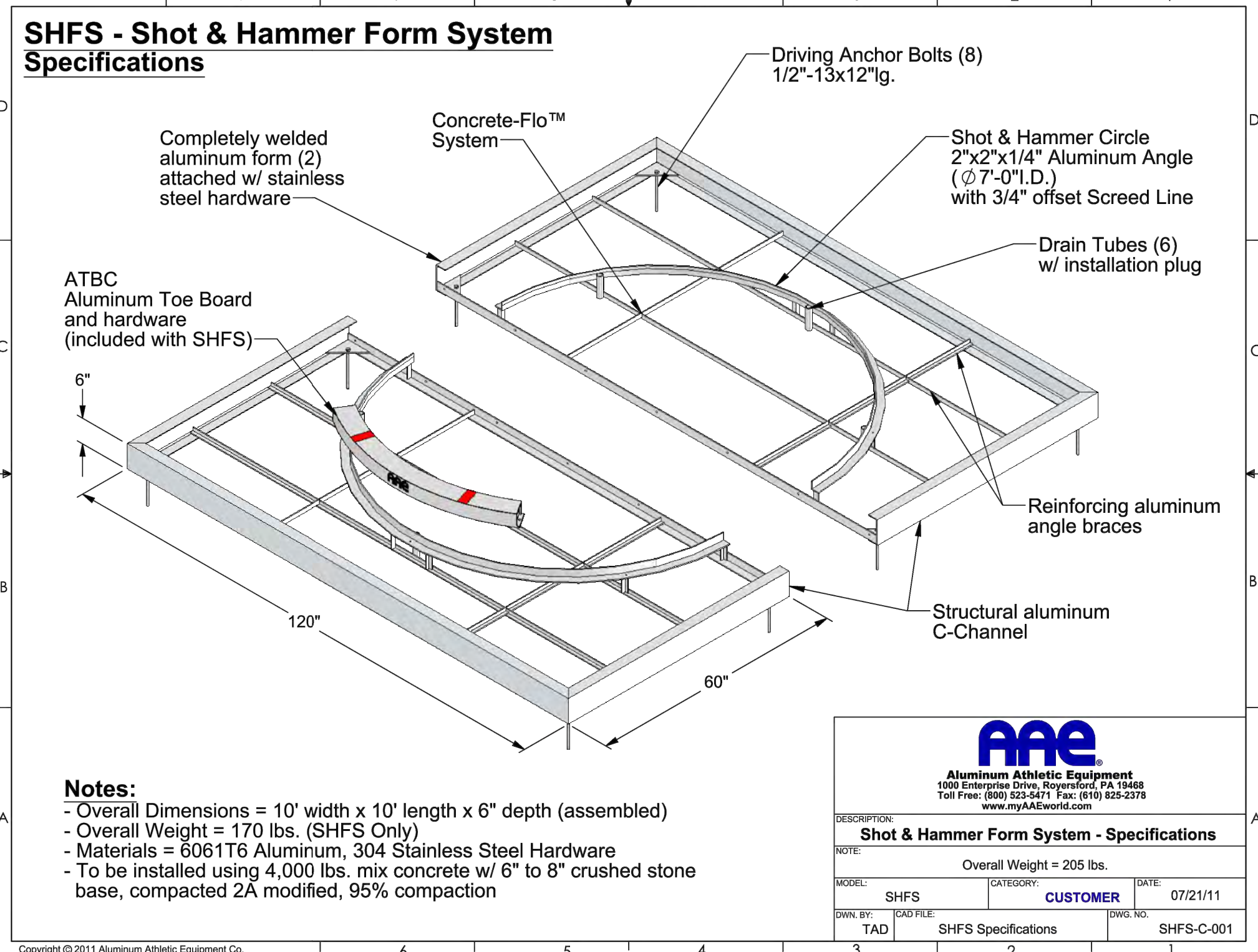
TRENCH DRAIN @ TRACK  
N.T.S.

ACO Specification Information



DISCUS CIRCLE FORM SYSTEM  
N.T.S.

- NOTE:
- 1) CONCRETE FOR THROWING RINGS SHALL BE 4,000 PSI
  - 2) ALL THROWING RING SLABS SHALL BE SET ON MIN. 6" OF AGGREGATE BASE STONE
  - 3) FOR DISCUSS CAGE SLAB, PROVIDE #4 REBAR DOWELS AT 24" ON CENTER AT INTERFACE OF FORM AND SURROUNDING SLAB.



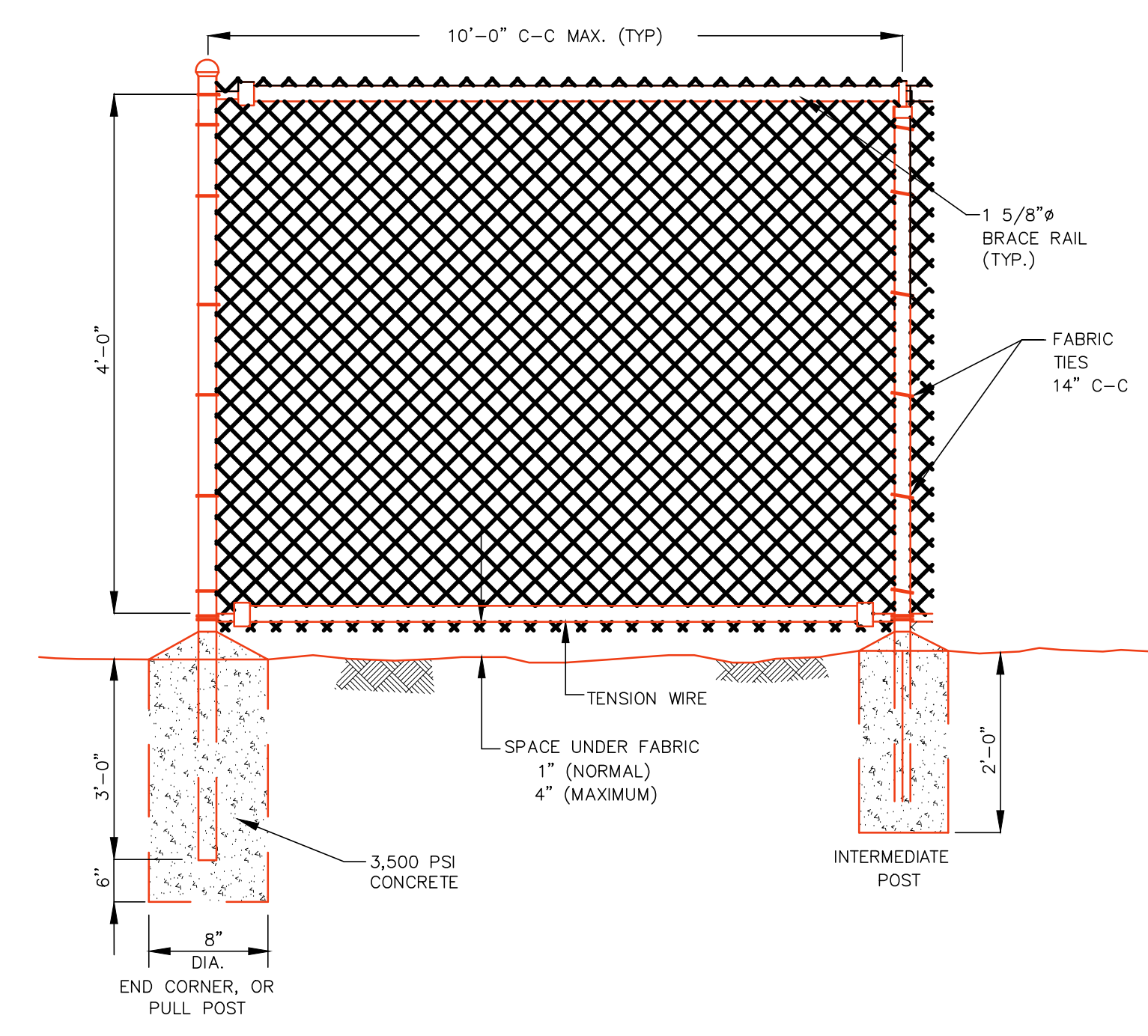
SHOT PUT CIRCLE FORM SYSTEM  
N.T.S.

100% CONFORMED SET - FOR CONSTRUCTION  
 09/12/2016  
 CAD DRAWING FILE: 89.20.02.C-12-DETAILS.dwg

Dover HS / CTC  
 Dover, NH  
 SYNTHETIC TURF FIELD  
 AND TRACK DETAILS  
 SCALE: N.T.S.  
 DRAWN BY: EC  
 CHECKED BY: ERL

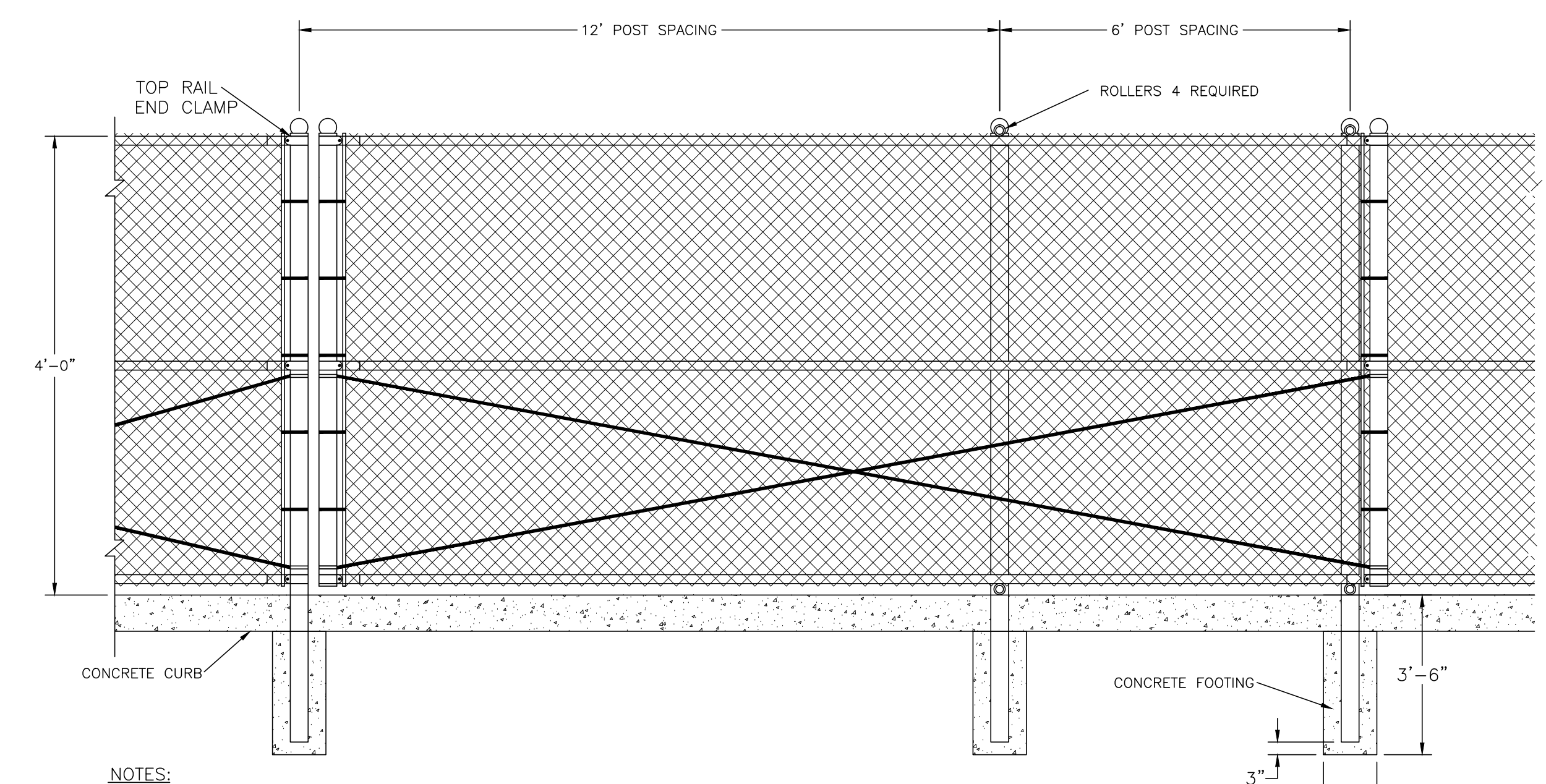
REVISIONS NO.	DATE	REMARKS	BY	DRAWING NUMBER

**C-8.2**



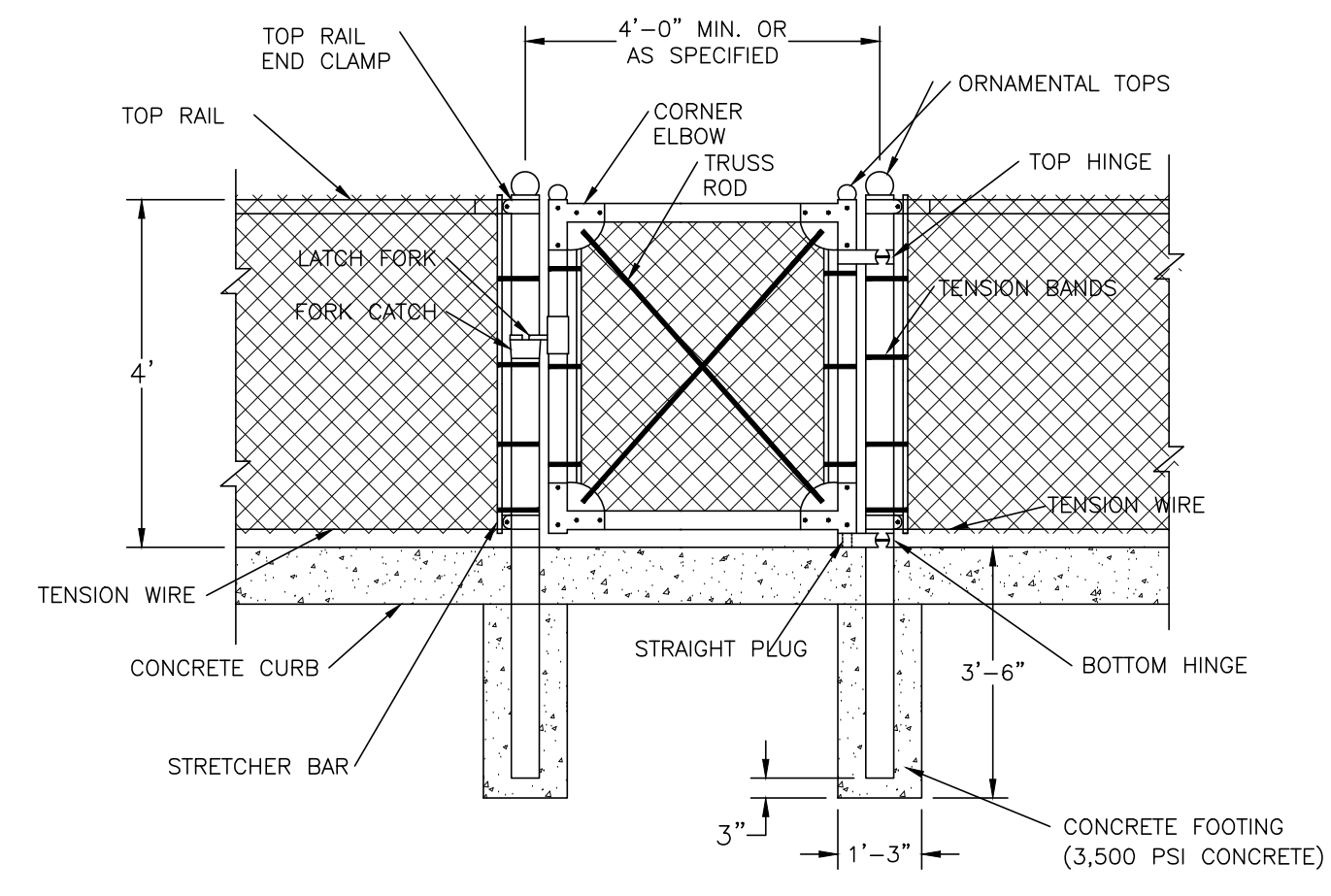
- NOTES:**
- GATE FABRIC SHALL BE KNUCKLED ON TOP SELVAGES.
  - CONCRETE FOUNDATIONS AT GATES, SIZE RECOMMENDED BY GATE MANUFACTURER.
  - ATTACH FENCE FABRIC TO LINE POSTS, TOP AND BOTTOM RAIL WITH TIE WIRES.
  - POSTS, RAILS AND RODS TO BE INSTALLED INSIDE OF FENCE.
  - MATERIALS TO MEET REQUIREMENTS OF AASHTO M181.
  - FENCE ELEVATION IS PER GRADING PLAN. ACTUAL LOCATION OF GATE SHALL BE AT THE EXACT PLACE AS SHOWN ON THE SITE PLAN.
  - ALL POSTS AND RAILS SHALL BE SCHEDULE 40, HOT-DIPPED GALV. ZINC WITH CHROMATE CONVERSION COATING AND FUSION BONDED VINYL. (ASTM 668 TYPE 2B) COLOR: BLACK, SHALL MATCH FABRIC.
  - ALL ASSORTED HARDWARE SHALL BE FUSION BONDED VINYL.
  - PIPE WEIGHTS: 1 5/8" O.D. = 1.83 LBS./LIN. FT., 2 1/2" O.D. = 3.11 LBS./LIN. FT., 3" O.D. = 4.64 LBS./LIN. FT.
  - FABRIC TO BE NO. 9 A.S.W. GA. GALV. STEEL CORE, 1 3/4" DIAMOND MESH, FUSION-BONDED (ASTM 668 TYP. 2B) COLOR: "BLACK."
  - ALL DIMENSIONS AND SIZES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO SUBMIT SHOP DRAWINGS CERTIFIED BY STRUCTURAL ENGINEER.
  - ALL TYPE V-1 & V-2 GATES SHALL ALLOW 180° OPENING.
  - 4 FT FENCE SHALL BE CORED INTO CONCRETE CURB AROUND THE TURF FIELD WHERE SHOWN ON THE PLAN.

4' HIGH CHAIN-LINK FENCE DETAIL  
NOT TO SCALE



- NOTES:**
- FABRIC TO BE NO. 9 A.S.W. GA. GALV. STEEL CORE, 1 3/4" DIAMOND MESH, FUSION-BONDED (ASTM 668 TYP. 2B) COLOR: "BLACK."
  - TO BE USED AT SYNTHETIC TURF FIELD ONLY.
  - ALL DIMENSIONS AND SIZES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO SUBMIT SHOP DRAWINGS CERTIFIED BY STRUCTURAL ENGINEER.

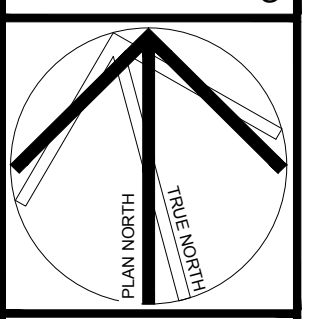
12' WIDE CHAIN-LINK SLIDE GATE DETAIL  
NOT TO SCALE



- NOTES:**
- FABRIC TO BE NO. 9 A.S.W. GA. GALV. STEEL CORE, 1 3/4" DIAMOND MESH, FUSION-BONDED (ASTM 668 TYP. 2B) COLOR: "BLACK."
  - TO BE USED AT SYNTHETIC TURF FIELD ONLY.
  - ALL TYPE V-1 & V-2 GATES SHALL ALLOW 180° OPENING SWING.
  - ALL DIMENSIONS AND SIZES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO SUBMIT SHOP DRAWINGS CERTIFIED BY STRUCTURAL ENGINEER.

CHAIN LINK SWING GATE DETAIL  
NOT TO SCALE

100% CONFORMED SET - FOR CONSTRUCTION  
09/12/2016  
CAD DRAWING FILE: 89120.C12-DETAILS.dwg



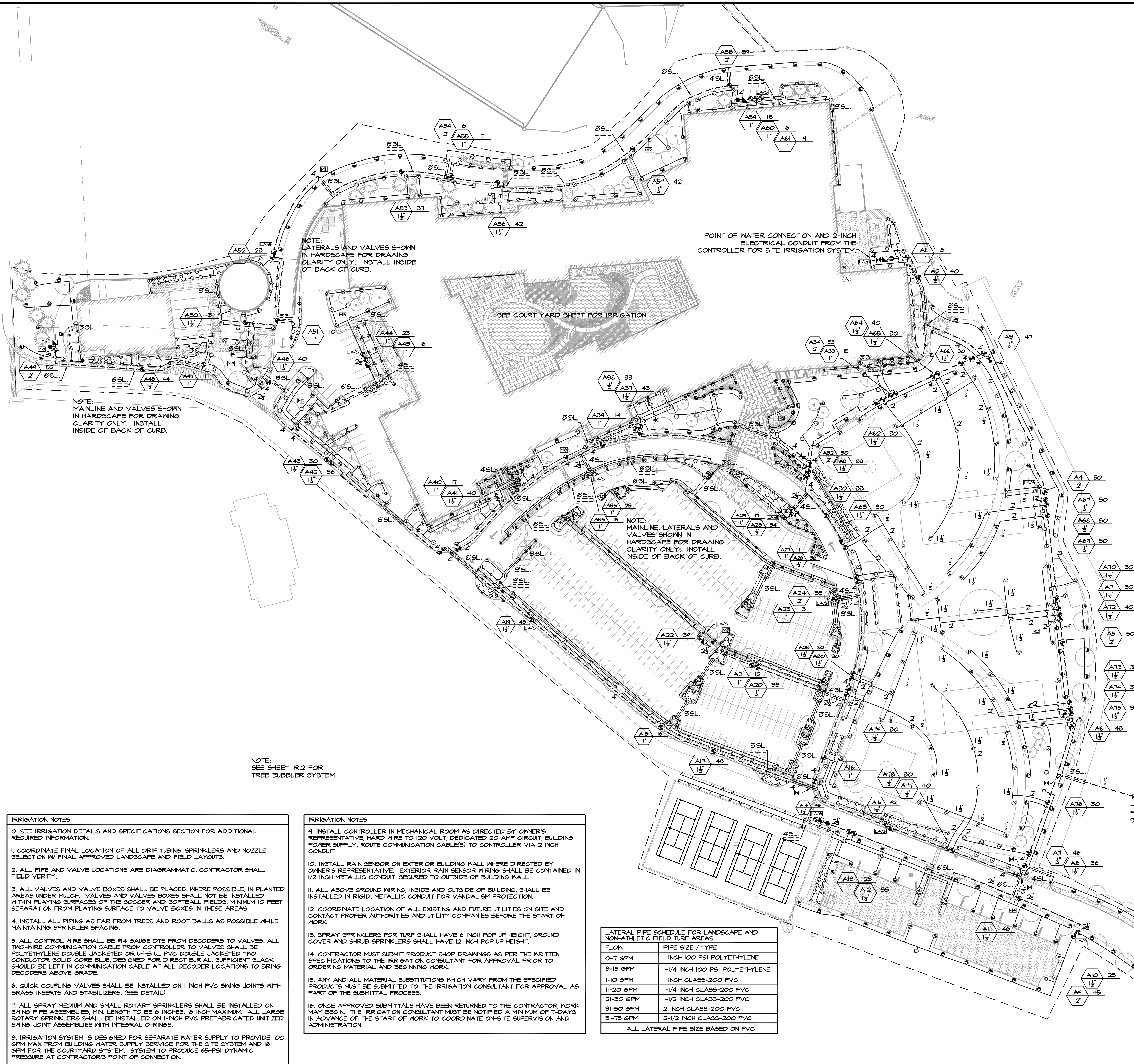
Dover HS / CTC  
Dover, NH  
**SYNTHETIC TURF FIELD  
AND TRACK DETAILS**  
SCALE: N.T.S.  
DRAWN BY: EC  
CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

**C-8.3**

IRRIGATION LEGEND			
SYMBOL	PSI	SPACING	DESCRIPTION
	40	50'	LARGE ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	40	45'	SMALL/MEDIUM ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	40	35'	
	40	25'	
	30	15'	6-INCH POP UP SPRAY SPRINKLER IV CHECK VALVE AND PRESS. REG.
	30	12'	
	30	10'	
	30	8'	
	30	6'	
	30	4x30'	12-INCH POP UP SPRAY SPRINKLER IV CHECK VALVE AND PRESS. REG.
	30	10'	
	30	8'	
	30	4x15'	PRESSURE COMPENSATING FLOOD BUBBLER ASSEMBLY TWO FLOOD BUBBLERS PER TREE, SEE DETAILS SEE PLAN SHEET IR.2
	30	30'	

- 24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES)
  - 1" QUICK COUPLING VALVE
  - 1" HOSE BIB WITH HOSE PIPE
  - 1-INCH AIR/ VACUUM RELIEF VALVE
  - MOISTURE SENSOR
  - LIGHTING SURGE ARRESTOR WITH GROUNDING SYSTEM
  - ISOLATION GATE VALVE (MAINLINE SIZE)
  - MASTER VALVE AND FLOW SENSOR
  - CLASS-200 PVC LATERAL PIPING (SIZE AS INDICATED ON THE BALLFIELDS) (SEE DRAWING AND LATERAL PIPE CHART FOR GENERAL TURF AND LANDSCAPE PIPING) ALL UNMARKED PIPE IS 1-INCH ON LATERAL PIPES.
  - CLASS-200 PVC MAINLINE PIPING (SIZE AS INDICATED)
  - CLASS-160 PVC PIPE SLEEVE (SIZE AS INDICATED) INSTALL SCH-40 PVC WIRE CONDUIT ADJACENT TO ALL MAINLINE PIPE SLEEVES. MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH. SEE SLEEVING DETAIL.
  - AUTOMATIC MOISTURE SENSOR CONTROLLER
  - AUTOMATIC RAIN SENSOR (INSTALL ON BUILDING ROOF LINE)
- VALVE DESIGNATION:
- STATION NO.
  - FLOW
  - VALVE SIZE



**IRRIGATION NOTES**

- SEE IRRIGATION DETAILS AND SPECIFICATIONS SECTION FOR ADDITIONAL REQUIRED INFORMATION.
- COORDINATE FINAL LOCATION OF ALL DRIP TUBING, SPRINKLERS AND NOZZLE SELECTION W/ FINAL APPROVED LANDSCAPE AND FIELD LAYOUTS.
- ALL PIPE AND VALVE LOCATIONS ARE DIAGRAMMATIC, CONTRACTOR SHALL FIELD VERIFY.
- ALL VALVES AND VALVE BOXES SHALL BE PLACED, WHERE POSSIBLE, IN PLANTED AREAS UNDER MULCH. VALVES AND VALVE BOXES SHALL NOT BE INSTALLED WITHIN PLAYING SURFACES OF THE SOCCER AND SOFTBALL FIELDS. MINIMUM 10 FEET SEPARATION FROM PLAYING SURFACE TO VALVE BOXES IN THESE AREAS.
- INSTALL ALL PIPING AS FAR FROM TREES AND ROOT BALLS AS POSSIBLE WHILE MAINTAINING SPRINKLER SPACING.
- ALL CONTROL WIRE SHALL BE #14 GAUGE DTS FROM DECODERS TO VALVES. ALL TWO-WIRE COMMUNICATION CABLE FROM CONTROLLER TO VALVES SHALL BE POLYETHYLENE DOUBLE JACKETED OR UF-B UL PVC DOUBLE JACKETED TWO CONDUCTOR SOLID CORE BLUE, DESIGNED FOR DIRECT BURIAL. SUFFICIENT SLACK SHOULD BE LEFT IN COMMUNICATION CABLE AT ALL DECODER LOCATIONS TO BRING DECODERS ABOVE GRADE.
- QUICK COUPLING VALVES SHALL BE INSTALLED ON 1 INCH PVC SWING JOINTS WITH BRASS INSERTS AND STABILIZERS. (SEE DETAIL)
- ALL SPRAY MEDIUM AND SMALL ROTARY SPRINKLERS SHALL BE INSTALLED ON SWING PIPE ASSEMBLIES, MIN. LENGTH TO BE 6 INCHES, 18 INCH MAXIMUM. ALL LARGE ROTARY SPRINKLERS SHALL BE INSTALLED ON 1-INCH PVC PREFABRICATED UNITIZED SWING JOINT ASSEMBLIES WITH INTEGRAL O-RINGS.
- IRRIGATION SYSTEM IS DESIGNED FOR SEPARATE WATER SUPPLY TO PROVIDE 100 GPM MAX FROM BUILDING WATER SUPPLY SERVICE FOR THE SITE SYSTEM AND 16 GPM FOR THE COURTYARD SYSTEM. SYSTEM TO PRODUCE 65-PSI DYNAMIC PRESSURE AT CONTRACTOR'S POINT OF CONNECTION.

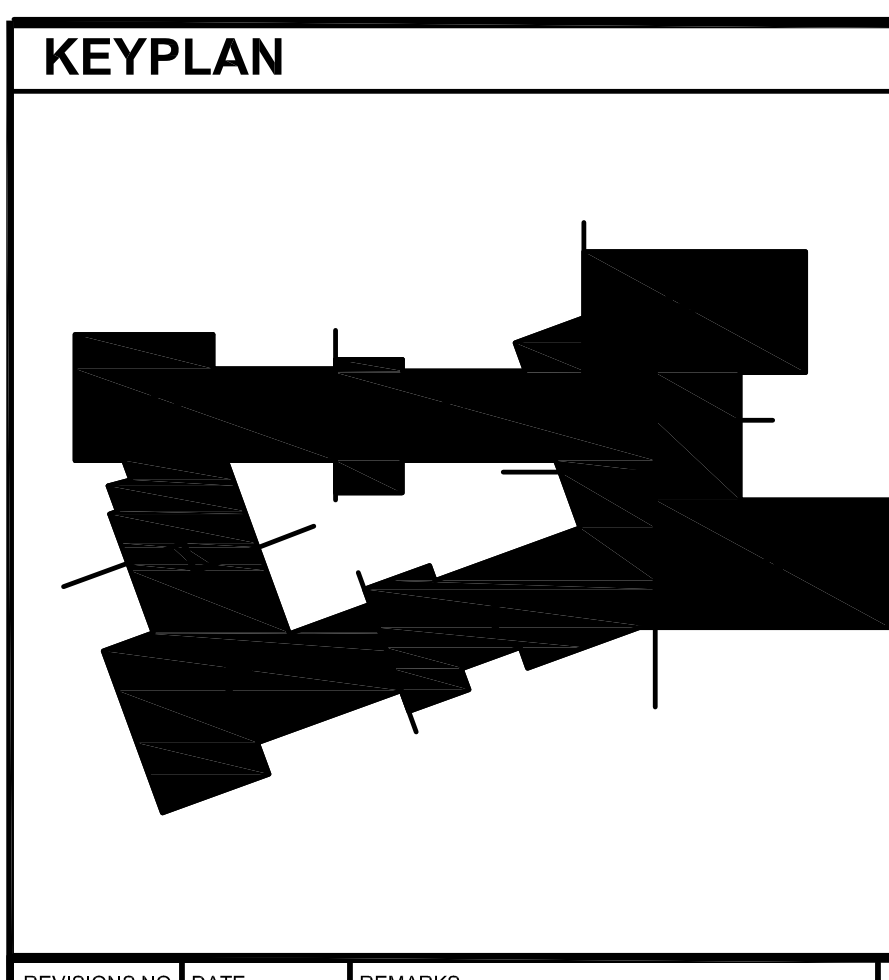
**IRRIGATION NOTES**

- INSTALL CONTROLLER IN MECHANICAL ROOM AS DIRECTED BY OWNER'S REPRESENTATIVE, HARD WIRE TO 120 VOLT, DEDICATED 20 AMP CIRCUIT, BUILDING POWER SUPPLY. ROUTE COMMUNICATION CABLE(S) TO CONTROLLER VIA 2 INCH CONDUIT.
- INSTALL RAIN SENSOR ON EXTERIOR BUILDING WALL WHERE DIRECTED BY OWNER'S REPRESENTATIVE. EXTERIOR RAIN SENSOR WIRING SHALL BE CONTAINED IN 1/2 INCH METALLIC CONDUIT, SECURED TO OUTSIDE OF BUILDING WALL.
- ALL ABOVE GROUND WIRING, INSIDE AND OUTSIDE OF BUILDING, SHALL BE INSTALLED IN RIGID, METALLIC CONDUIT FOR VANDALISM PROTECTION.
- COORDINATE LOCATION OF ALL EXISTING AND FUTURE UTILITIES ON SITE AND CONTACT PROPER AUTHORITIES AND UTILITY COMPANIES BEFORE THE START OF WORK.
- SPRAY SPRINKLERS FOR TURF SHALL HAVE 6 INCH POP UP HEIGHT, GROUND COVER AND SHRUB SPRINKLERS SHALL HAVE 12 INCH POP UP HEIGHT.
- CONTRACTOR MUST SUBMIT PRODUCT SHOP DRAWINGS AS PER THE WRITTEN SPECIFICATIONS TO THE IRRIGATION CONSULTANT FOR APPROVAL PRIOR TO ORDERING MATERIAL AND BEGINNING WORK.
- ANY AND ALL MATERIAL SUBSTITUTIONS WHICH VARY FROM THE SPECIFIED PRODUCTS MUST BE SUBMITTED TO THE IRRIGATION CONSULTANT FOR APPROVAL AS PART OF THE SUBMITTAL PROCESS.
- ONCE APPROVED SUBMITTALS HAVE BEEN RETURNED TO THE CONTRACTOR, WORK MAY BEGIN. THE IRRIGATION CONSULTANT MUST BE NOTIFIED A MINIMUM OF 7-DAYS IN ADVANCE OF THE START OF WORK TO COORDINATE ON-SITE SUPERVISION AND ADMINISTRATION.

LATERAL PIPE SCHEDULE FOR LANDSCAPE AND NON-ATHLETIC FIELD TURF AREAS

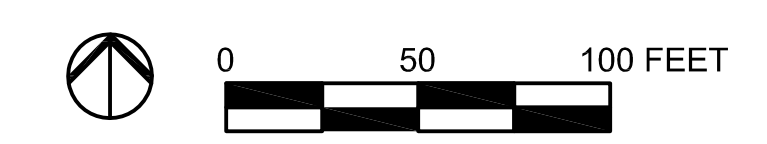
FLOW	PIPE SIZE / TYPE
0-7 GPM	1 INCH 100 PSI POLYETHYLENE
8-15 GPM	1-1/4 INCH 100 PSI POLYETHYLENE
1-10 GPM	1 INCH CLASS-200 PVC
11-20 GPM	1-1/4 INCH CLASS-200 PVC
21-30 GPM	1-1/2 INCH CLASS-200 PVC
31-50 GPM	2 INCH CLASS-200 PVC
51-75 GPM	2-1/2 INCH CLASS-200 PVC

ALL LATERAL PIPE SIZE BASED ON PVC



REVISIONS NO.	DATE	REMARKS	BY	DRAWING NUMBER
A	08/25/2016	ADDENDUM A		

1 IRRIGATION PLAN  
SCALE: 1"=50'-0"

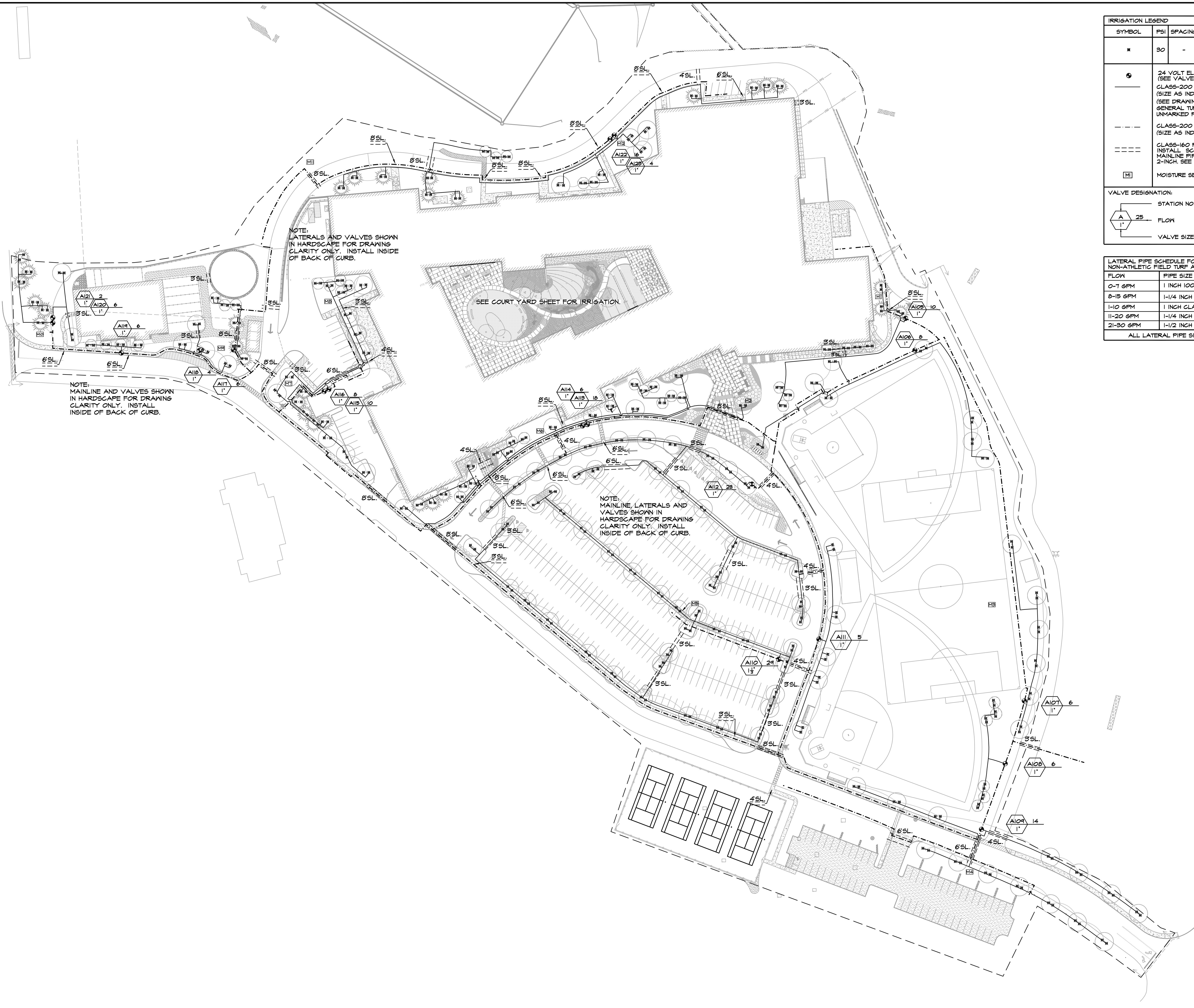


IRRIGATION LEGEND			
SYMBOL	PSI	SPACING	DESCRIPTION
	30	-	PRESSURE COMPENSATING FLOOD BUBBLER ASSEMBLY TWO FLOOD BUBBLERS PER TREE, SEE DETAILS
			24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES) CLASS-200 PVC LATERAL PIPING (SIZE AS INDICATED ON THE BALLFIELDS) (SEE DRAWINGS AND LATERAL PIPE CHART FOR GENERAL TURF AND LANDSCAPE PIPING) ALL UNMARKED PIPE IS 1-INCH ON LATERAL PIPES.
			CLASS-200 PVC MAINLINE PIPING (SIZE AS INDICATED)
			CLASS-160 PVC PIPE SLEEVE (SIZE AS INDICATED) INSTALL 3/4" PVC WIRE CONDUIT ADJACENT TO ALL MAINLINE PIPE SLEEVES, MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH. SEE SLEEVING DETAIL.
			MOISTURE SENSOR

VALVE DESIGNATION:  
 STATION NO.   
 FLOW   
 VALVE SIZE

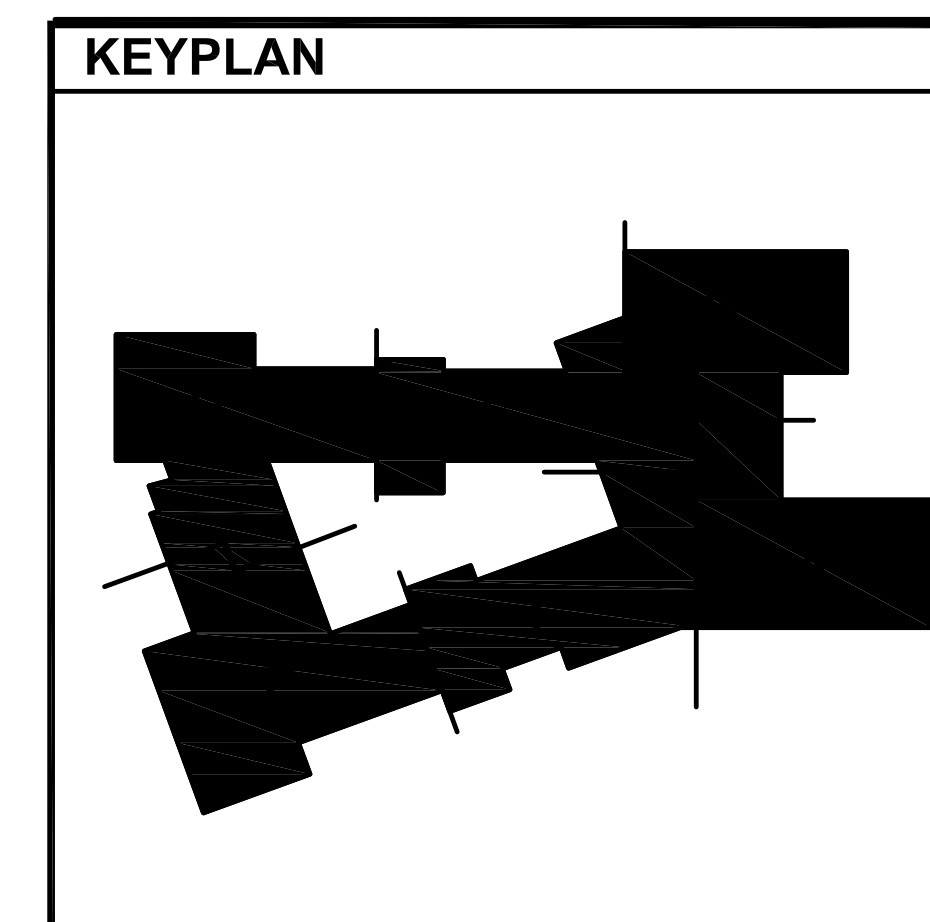
LATERAL PIPE SCHEDULE FOR LANDSCAPE AND NON-ATHLETIC FIELD TURF AREAS	
FLOW	PIPE SIZE / TYPE
0-7 GPM	1 INCH 100 PSI POLYETHYLENE
8-15 GPM	1-1/4 INCH 100 PSI POLYETHYLENE
1-10 GPM	1 INCH CLASS-200 PVC
11-20 GPM	1-1/4 INCH CLASS-200 PVC
21-30 GPM	1-1/2 INCH CLASS-200 PVC

ALL LATERAL PIPE SIZE BASED ON PVC



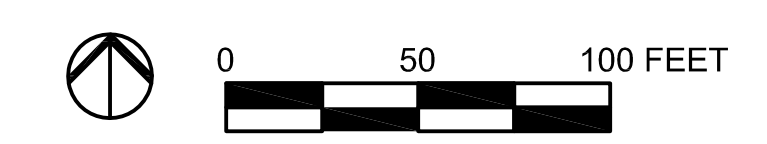
**irrigation**  
 Consulting, Inc.  
 Providing innovative design solutions for irrigation worldwide.

- 4 Hotel Place  
Pepperell, MA 01463  
(978) 433-2612 Fax: 433-2768  
BVINCHE3@IRRIGATIONCONSULTING.COM
- 112 S. Old Statesville Rd., Suite 104  
Huntersville, NC 28078  
(704) 842-2666 Fax: 842-9511



REVISIONS NO.	DATE	REMARKS	BY	DRAWING NUMBER
A	08/25/2016	ADDENDUM A		

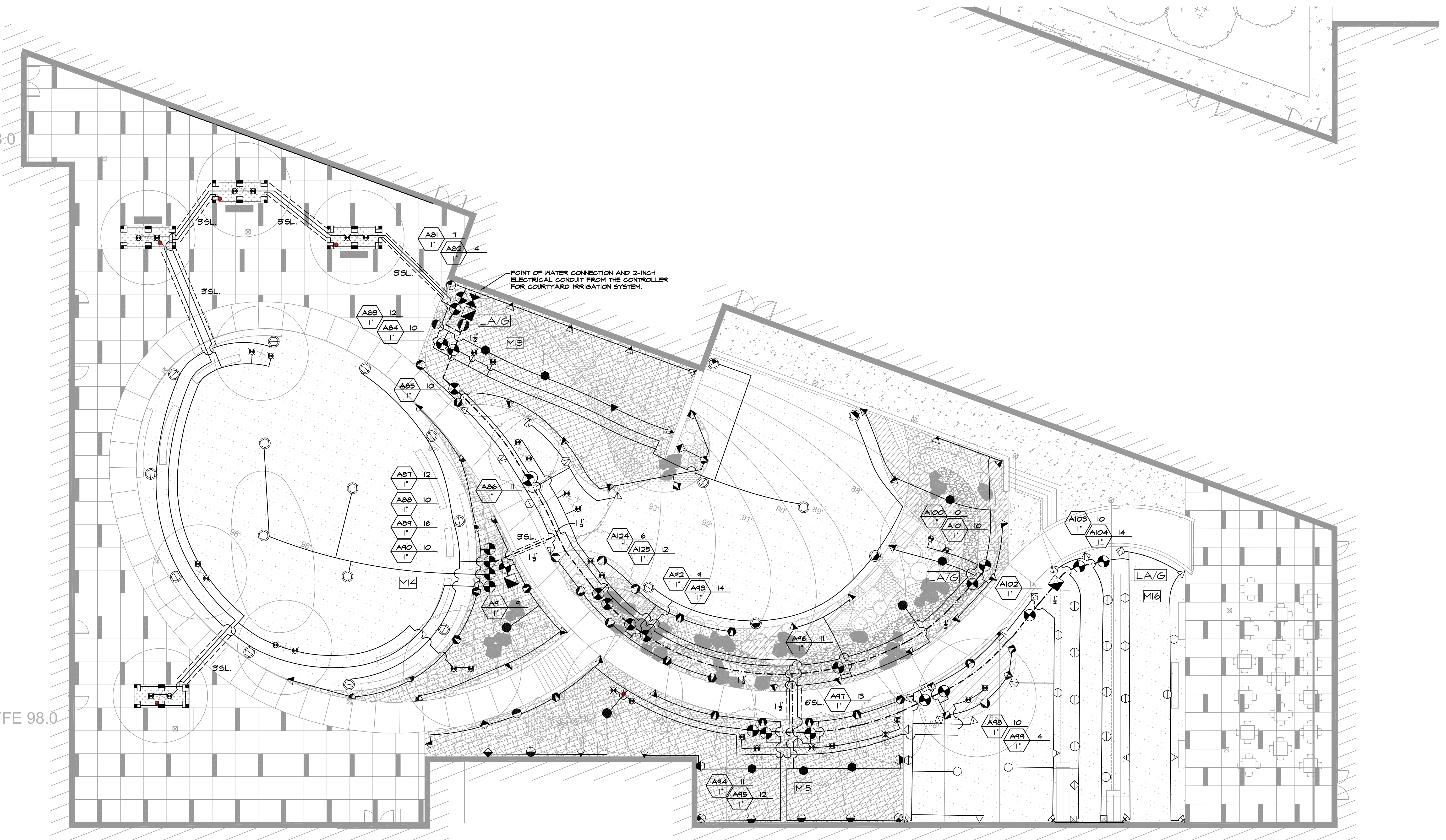
**2 IRRIGATION PLAN - TREES**  
 SCALE: 1"=50'-0"



FFE 98.0

FFE 98.0

FFE 98.0



IRRIGATION LEGEND			
SYMBOL	PSI	SPACING	DESCRIPTION
	40	35'	SMALL ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	40	25'	
	30	15'	6-INCH POP UP SPRAY SPRINKLER 1/4" CHECK VALVE AND PRESS. RES.
	30	12'	
	30	10'	
	30	8'	
	30	5'	
	30	15'	12-INCH POP UP SPRAY SPRINKLER 1/4" CHECK VALVE AND PRESS. RES.
	30	12'	
	30	10'	
	30	8'	
	30	5'	
	30	4x30'	

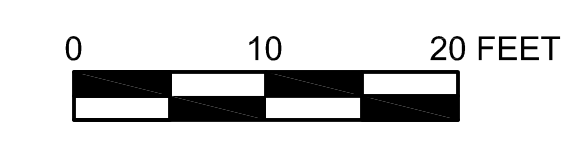
NOTE:  
IRRIGATION SYSTEM FOR THE COURT YARD IS DESIGNED FOR SEPARATE WATER SUPPLY TO PROVIDE 16 GPM MAX FROM BUILDING WATER SERVICE. SYSTEM TO PRODUCE 65-PSI DYNAMIC PRESSURE AT POINT OF CONNECTION IN LANDSCAPED AREA.

LATERAL PIPE SCHEDULE FOR LANDSCAPE AND NON-ATHLETIC FIELD TURF AREAS	
FLOW	PIPE SIZE / TYPE
0-7 GPM	1 INCH 100 PSI POLYETHYLENE
8-15 GPM	1-1/4 INCH 100 PSI POLYETHYLENE
1-10 GPM	1 INCH CLASS-200 PVC
11-20 GPM	1-1/4 INCH CLASS-200 PVC

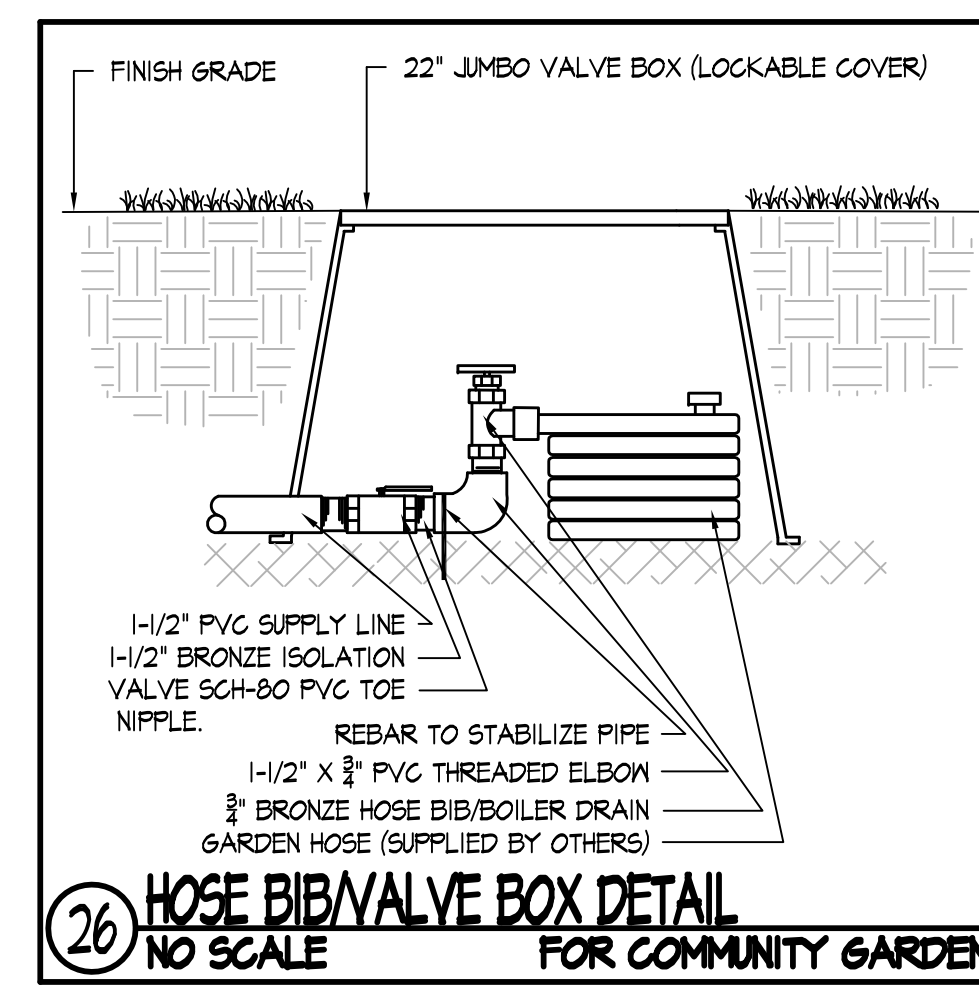
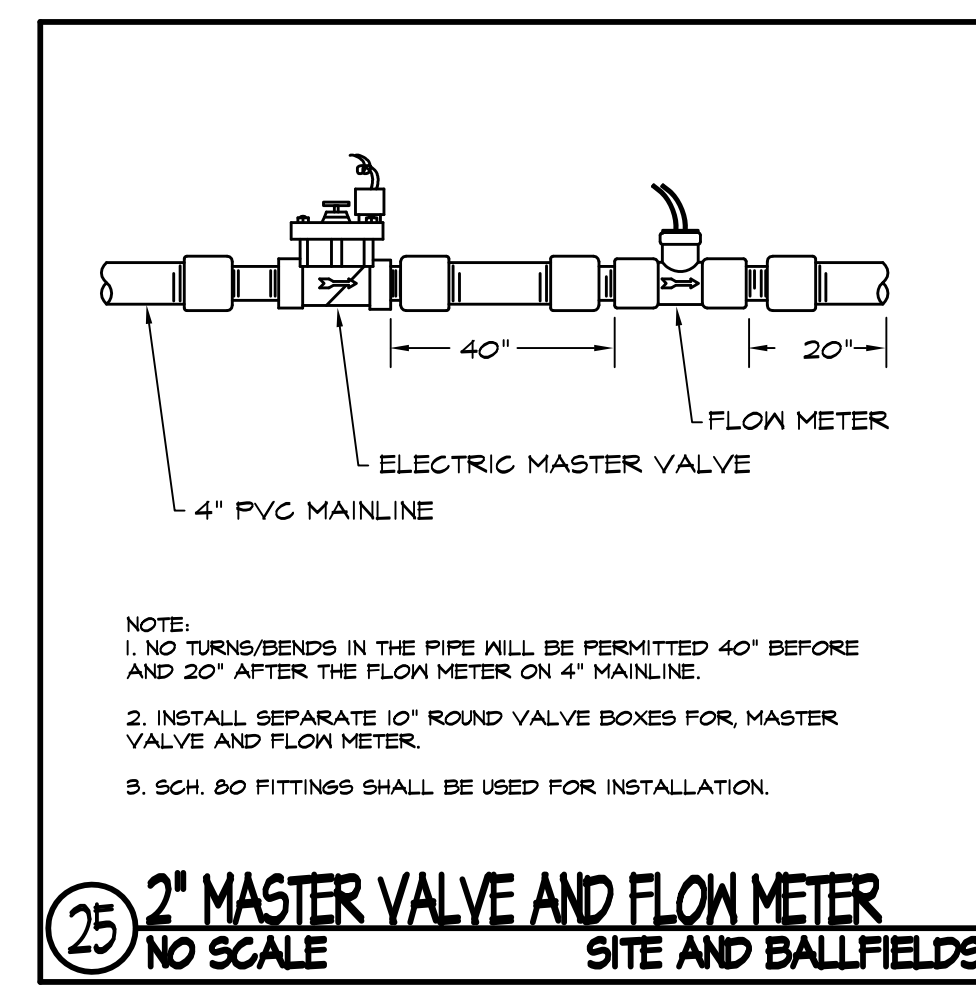
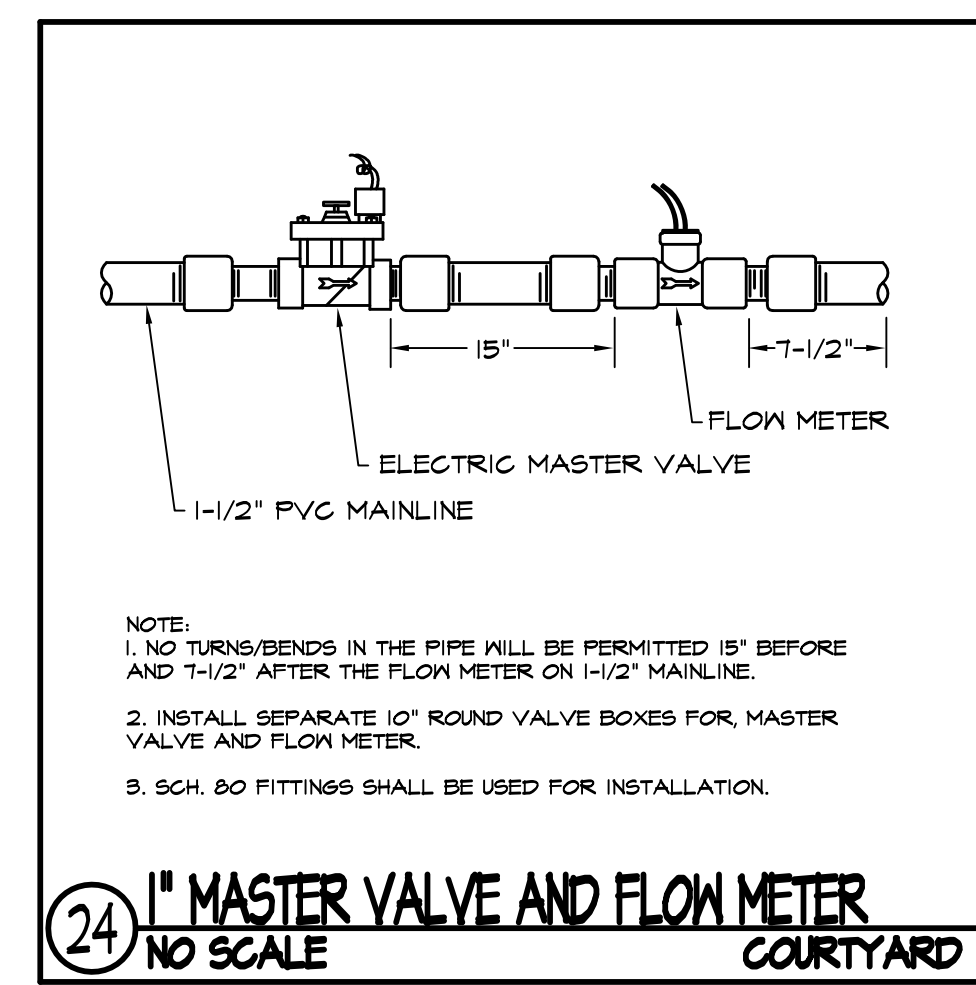
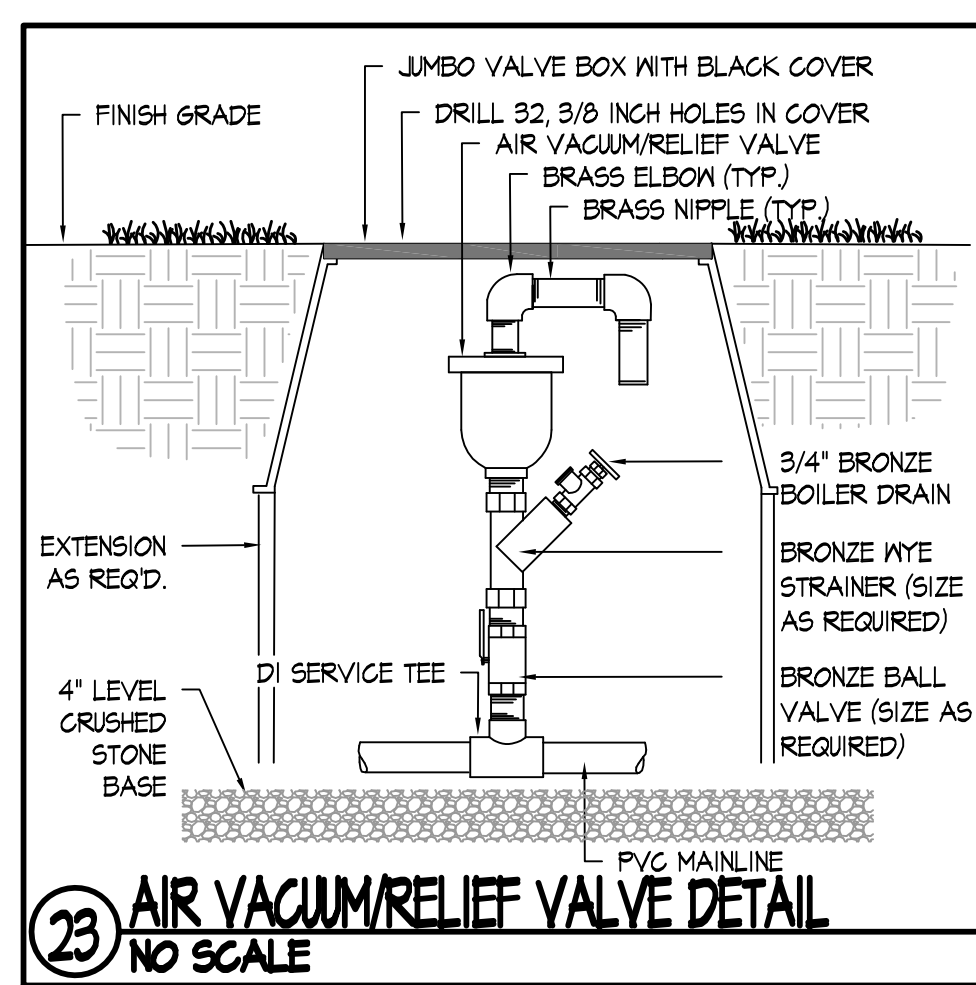
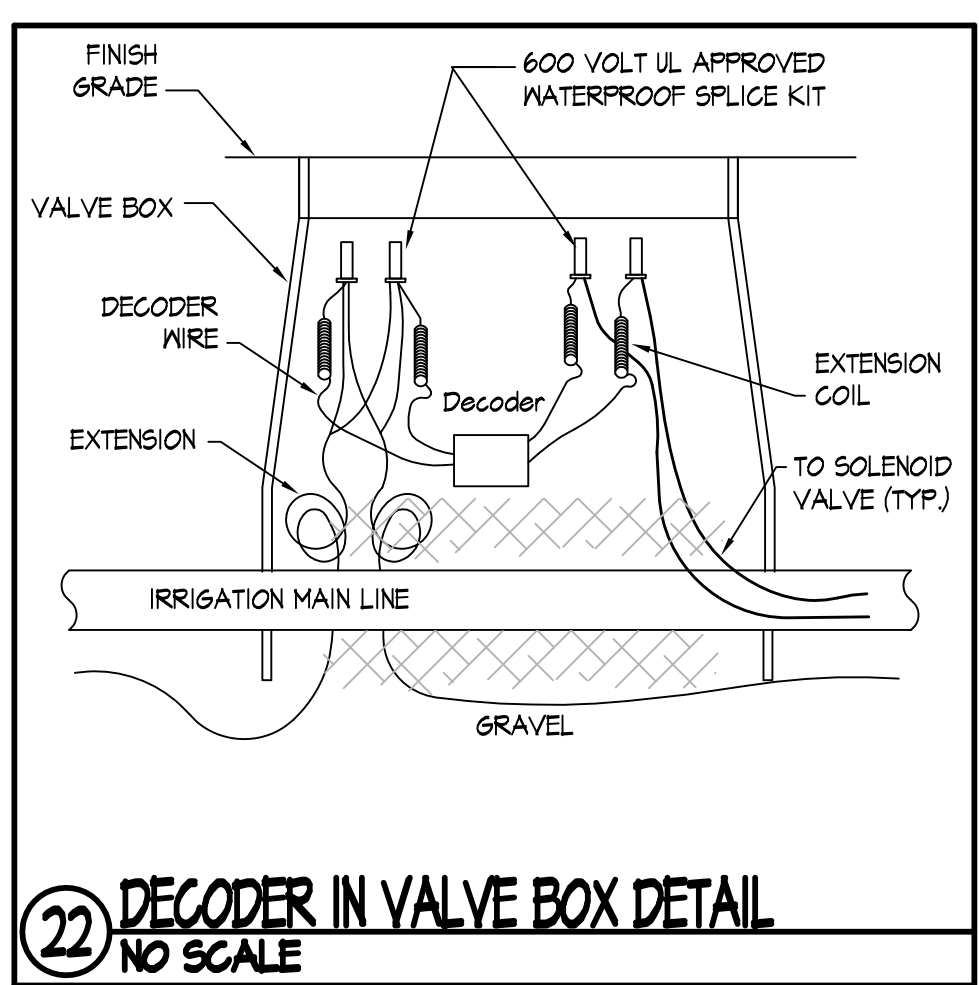
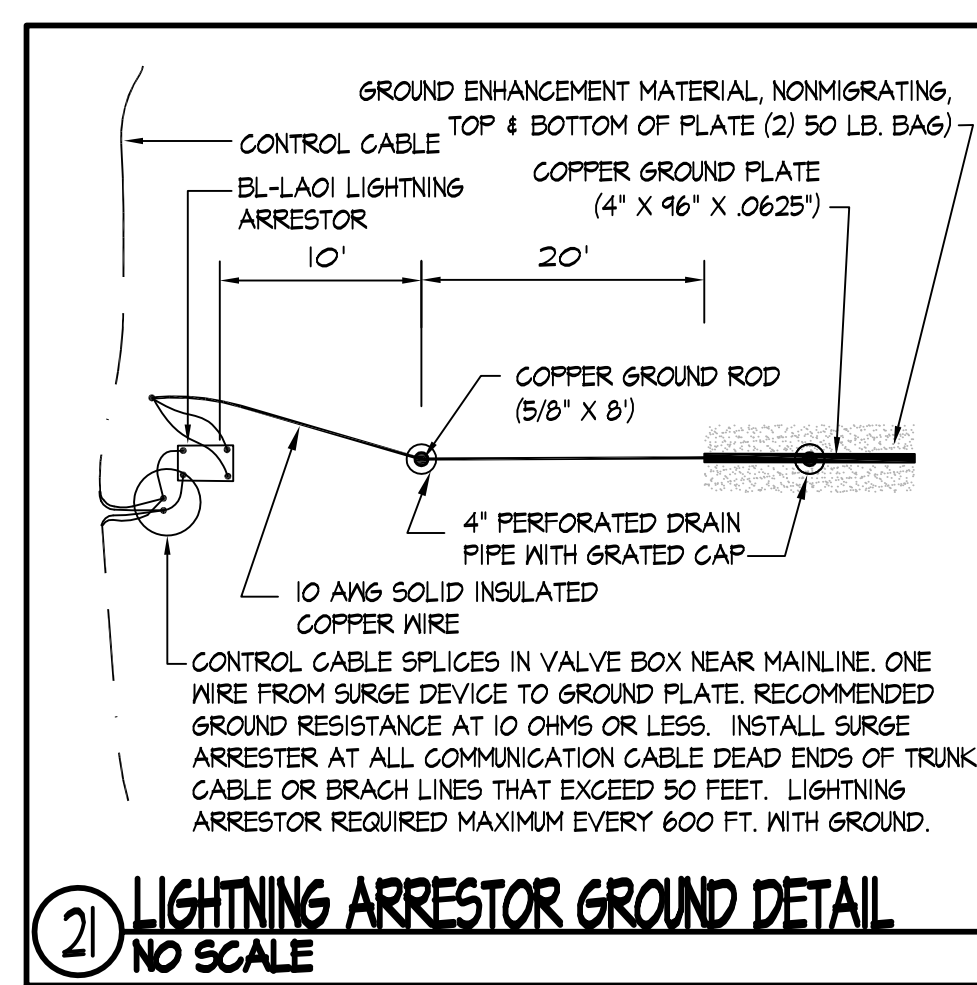
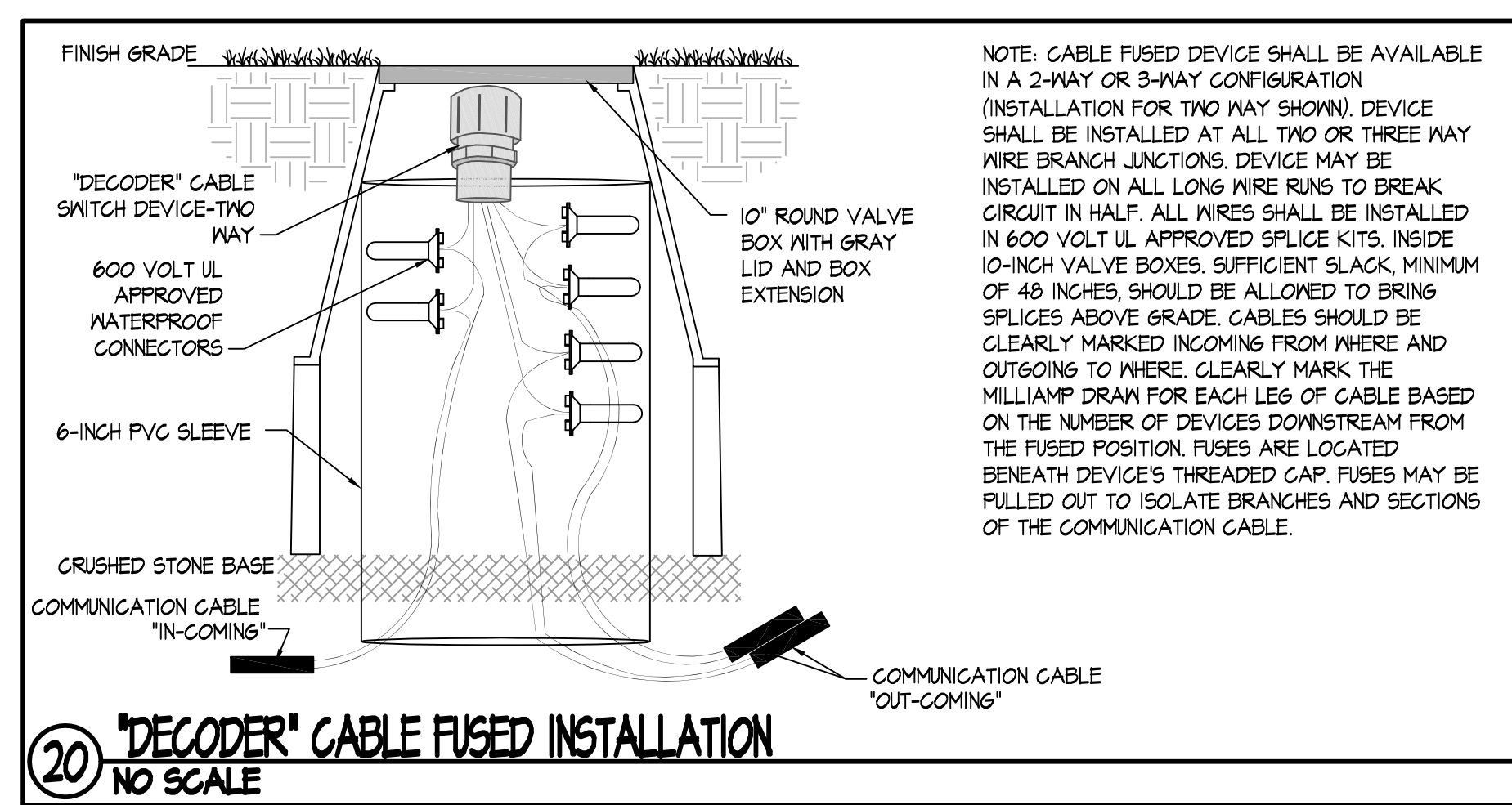
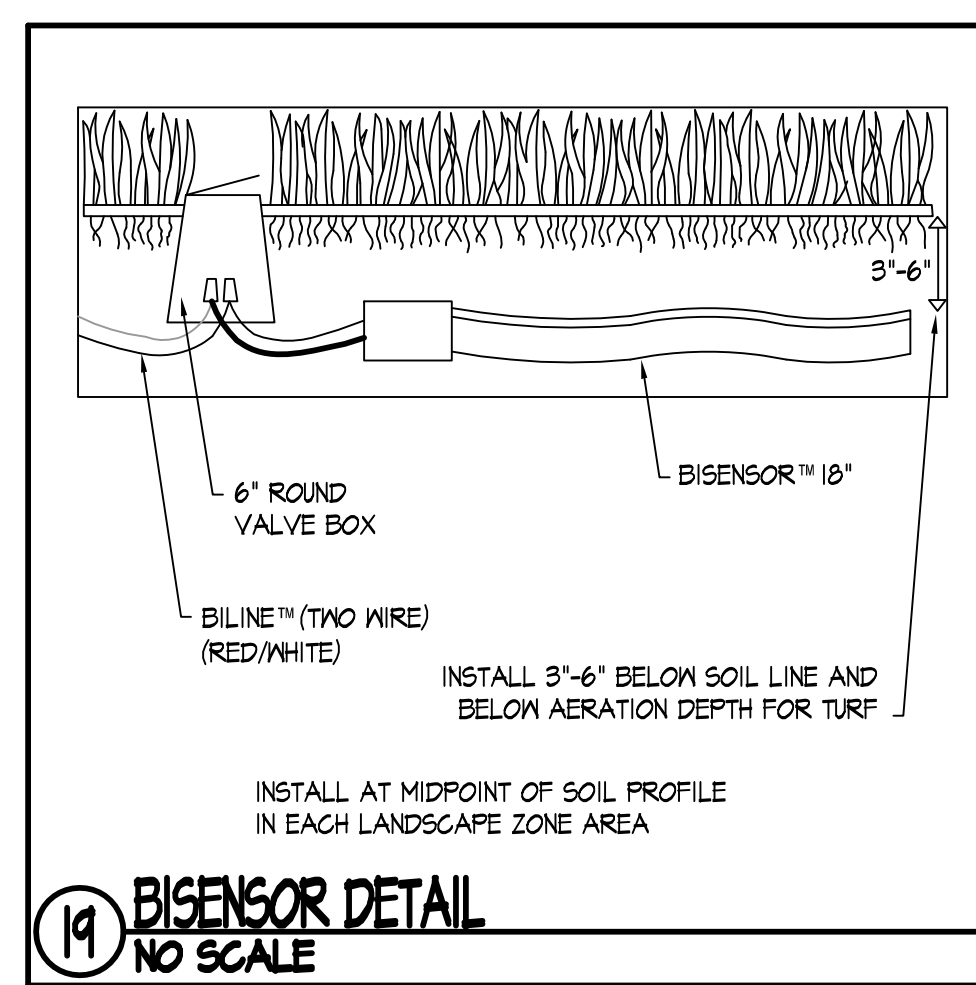
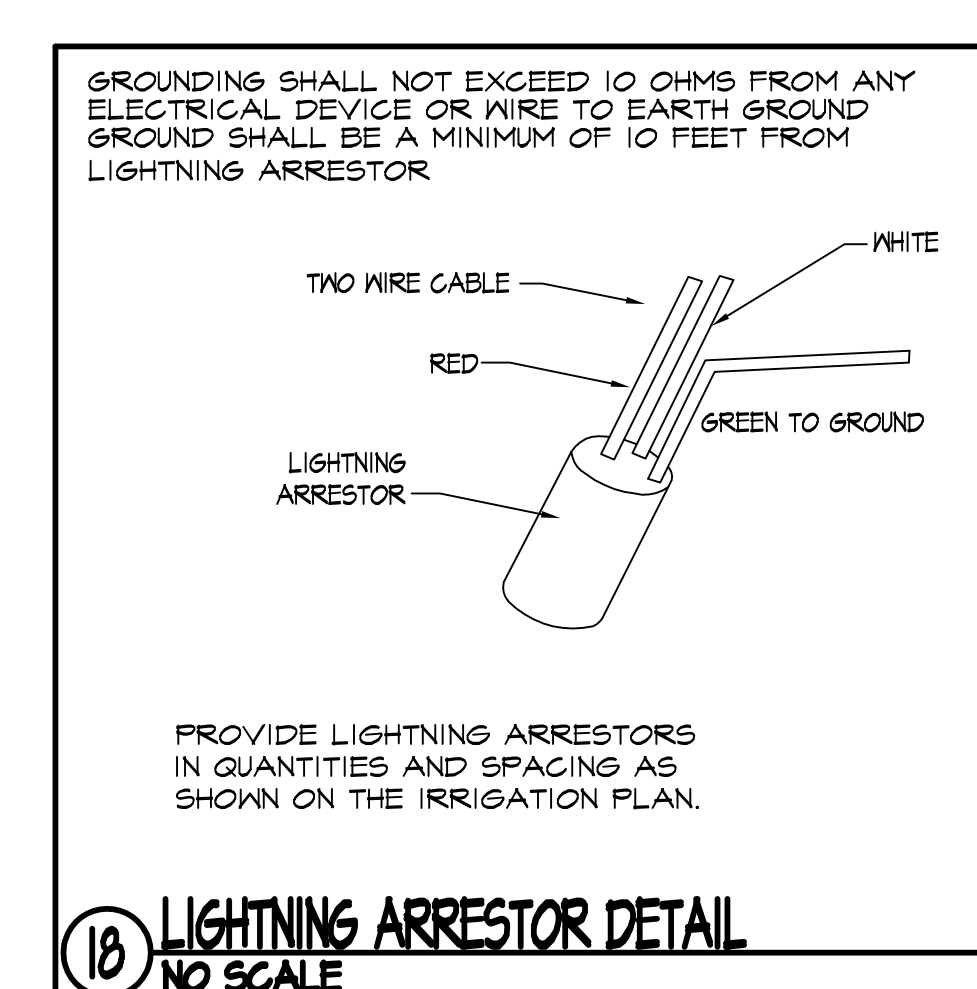
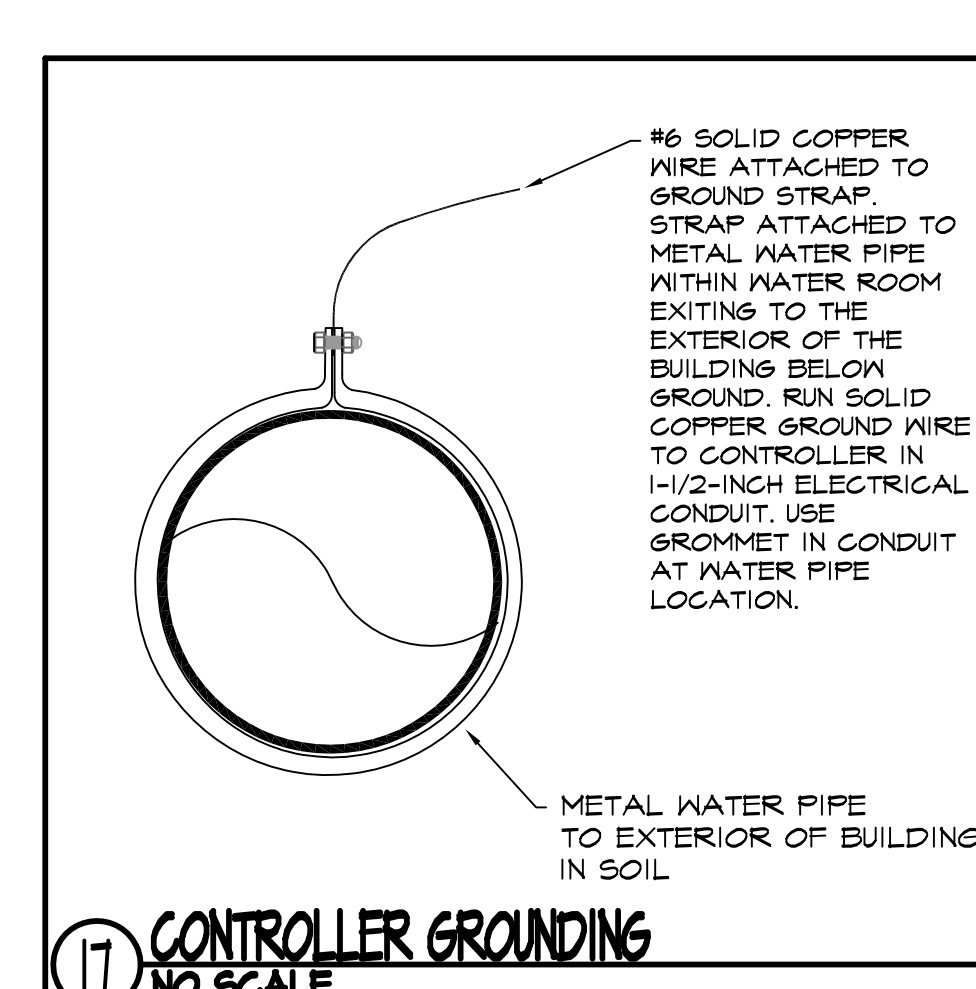
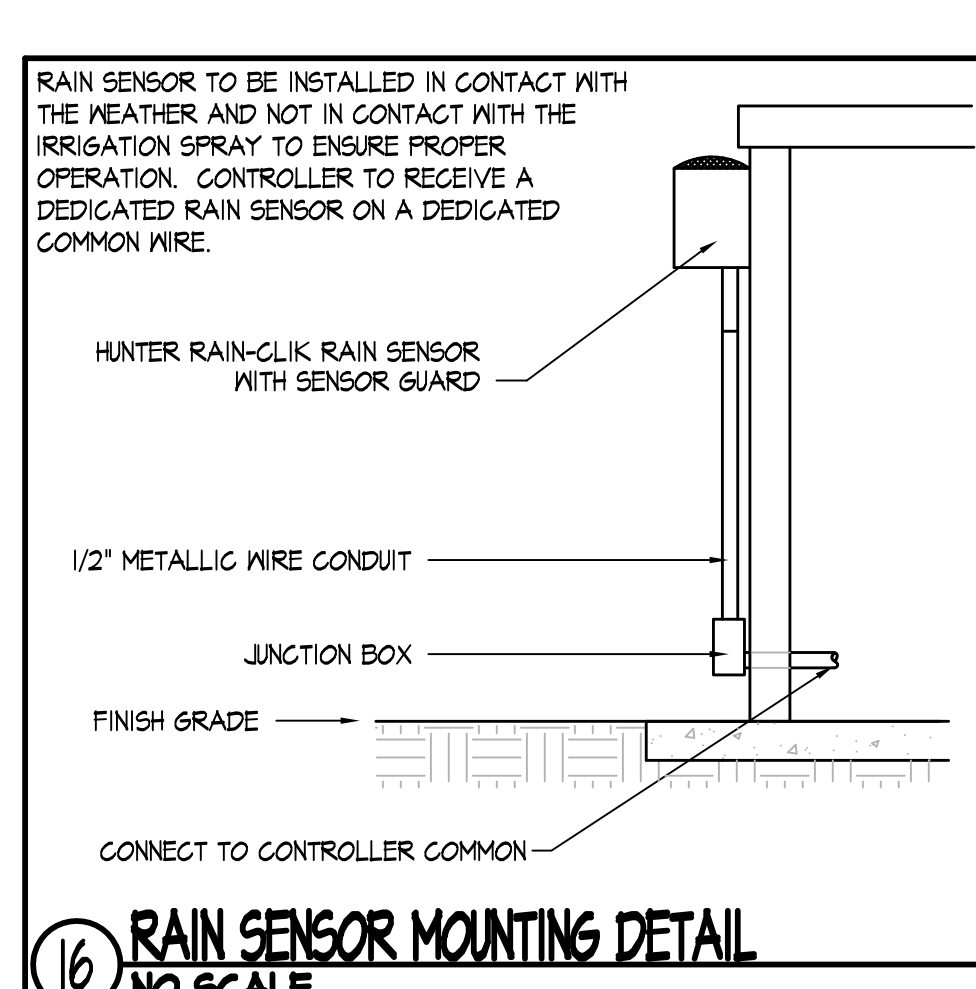
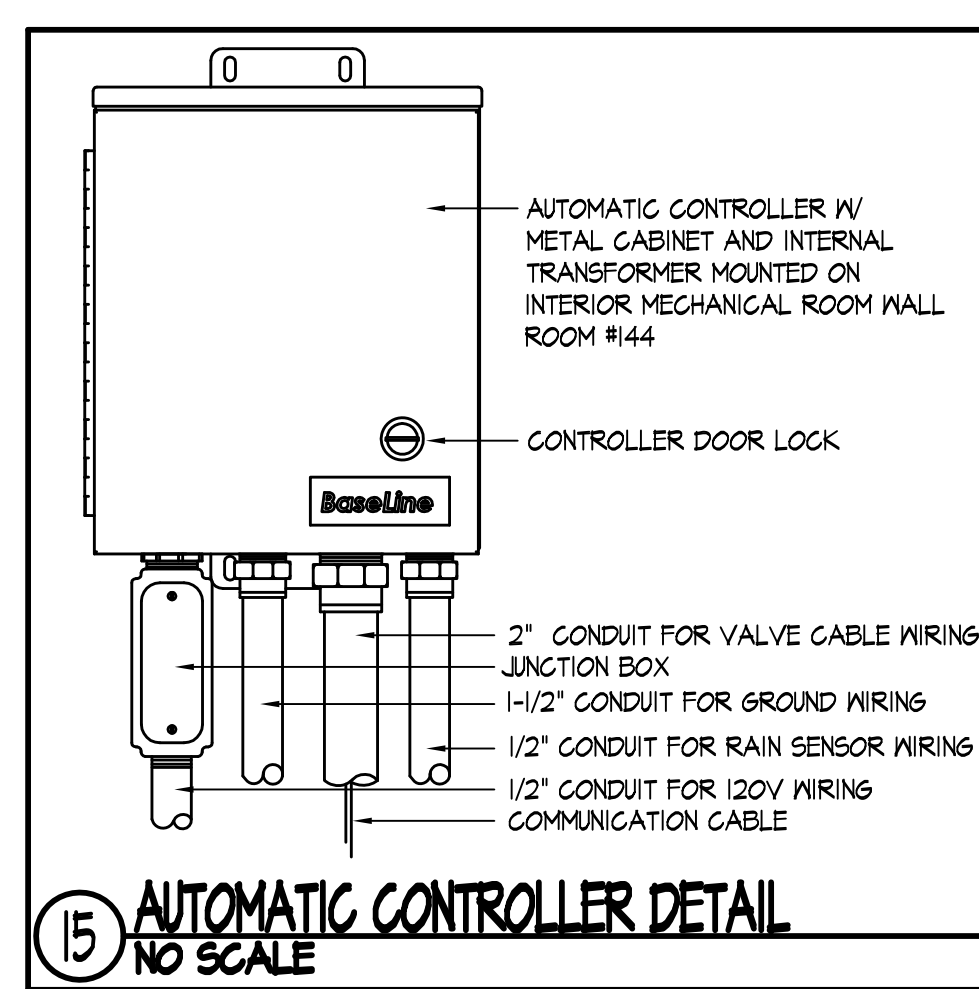
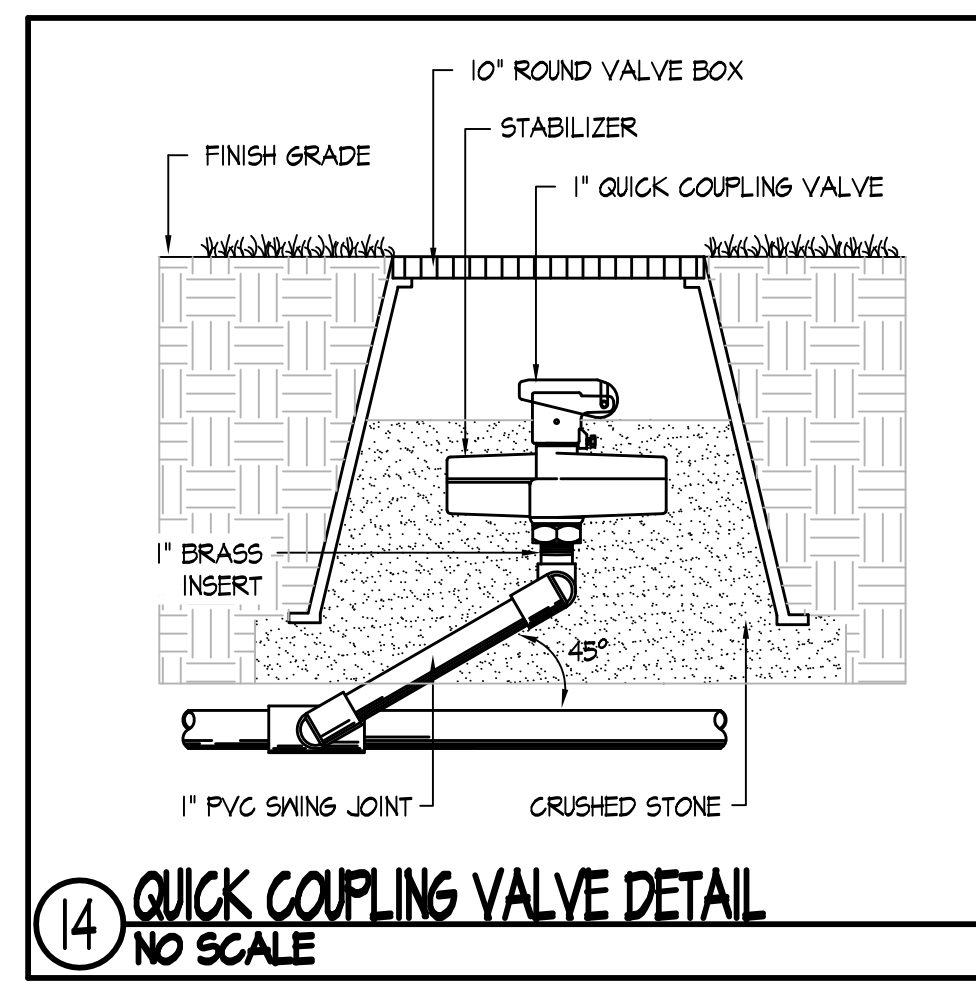
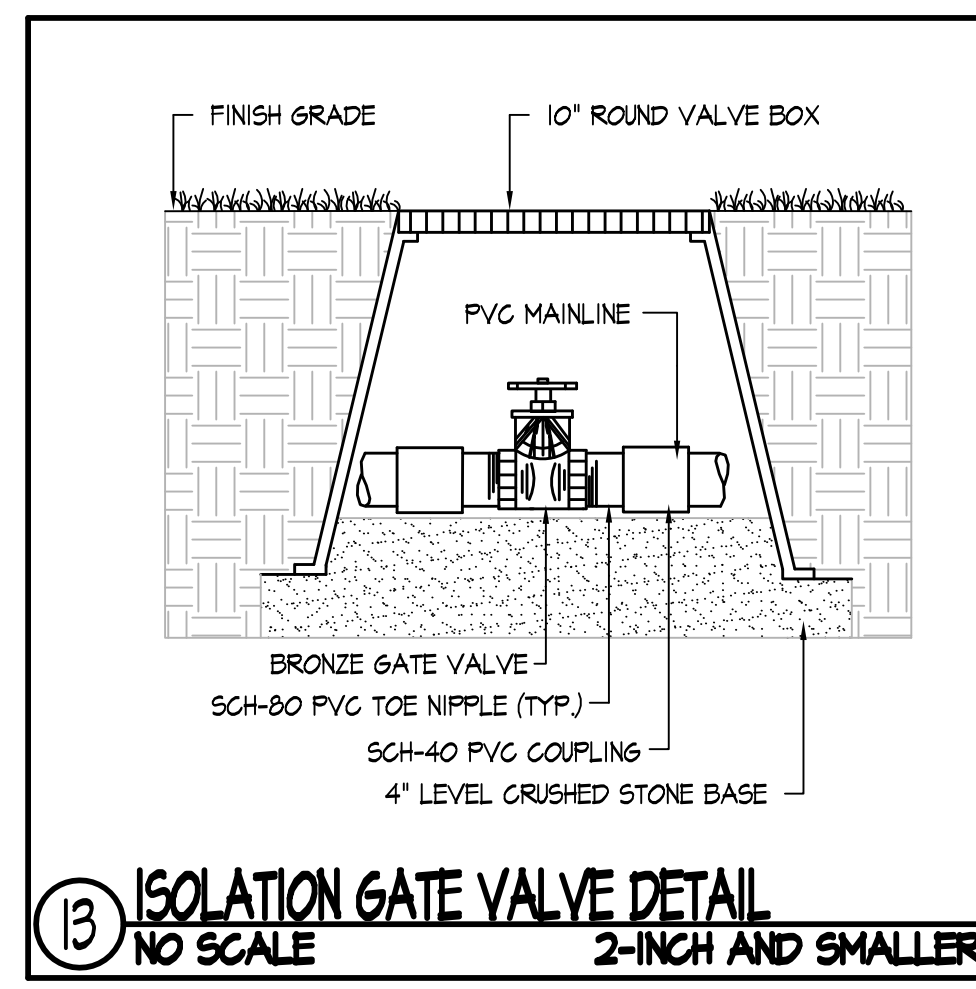
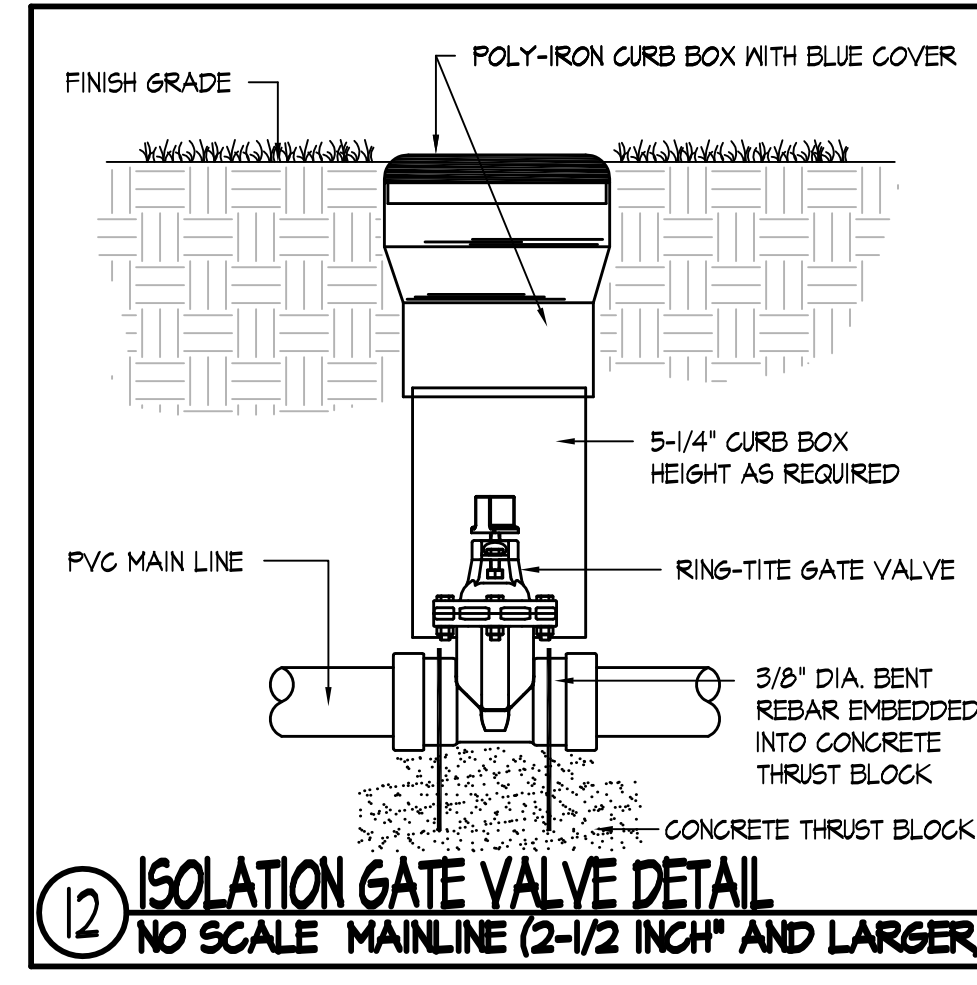
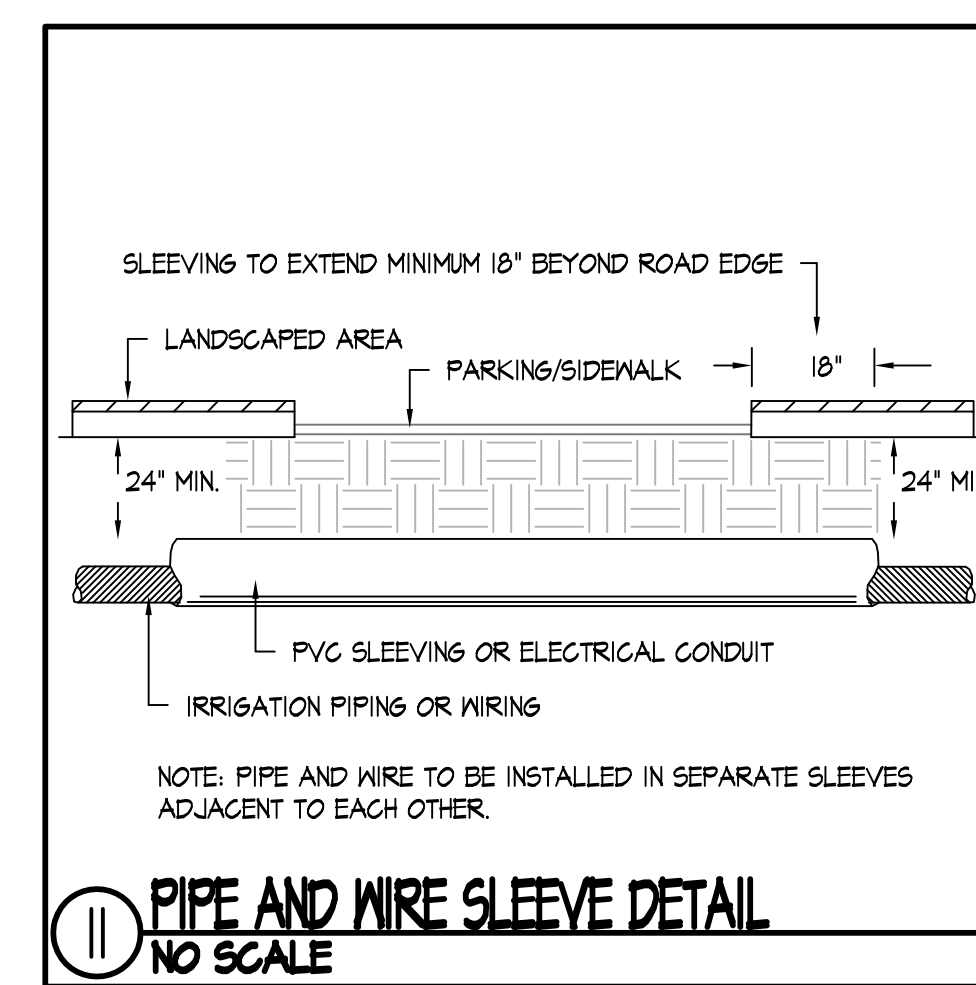
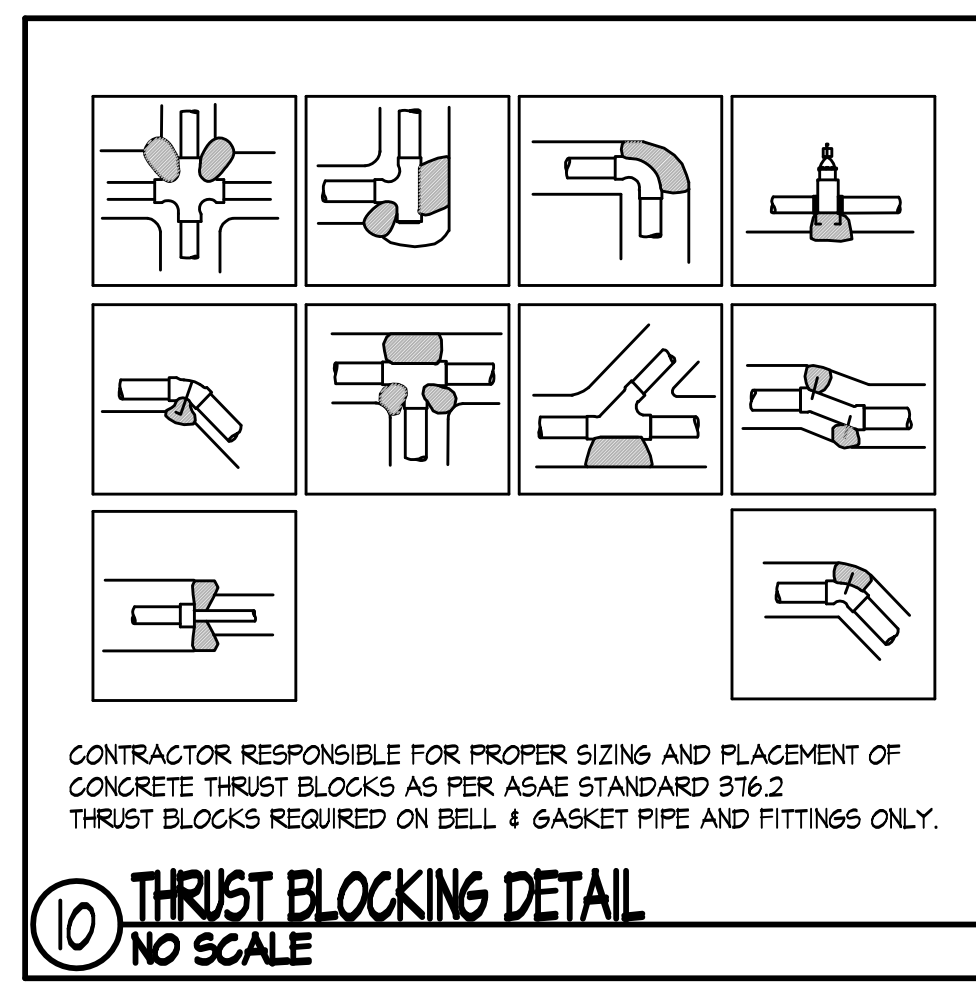
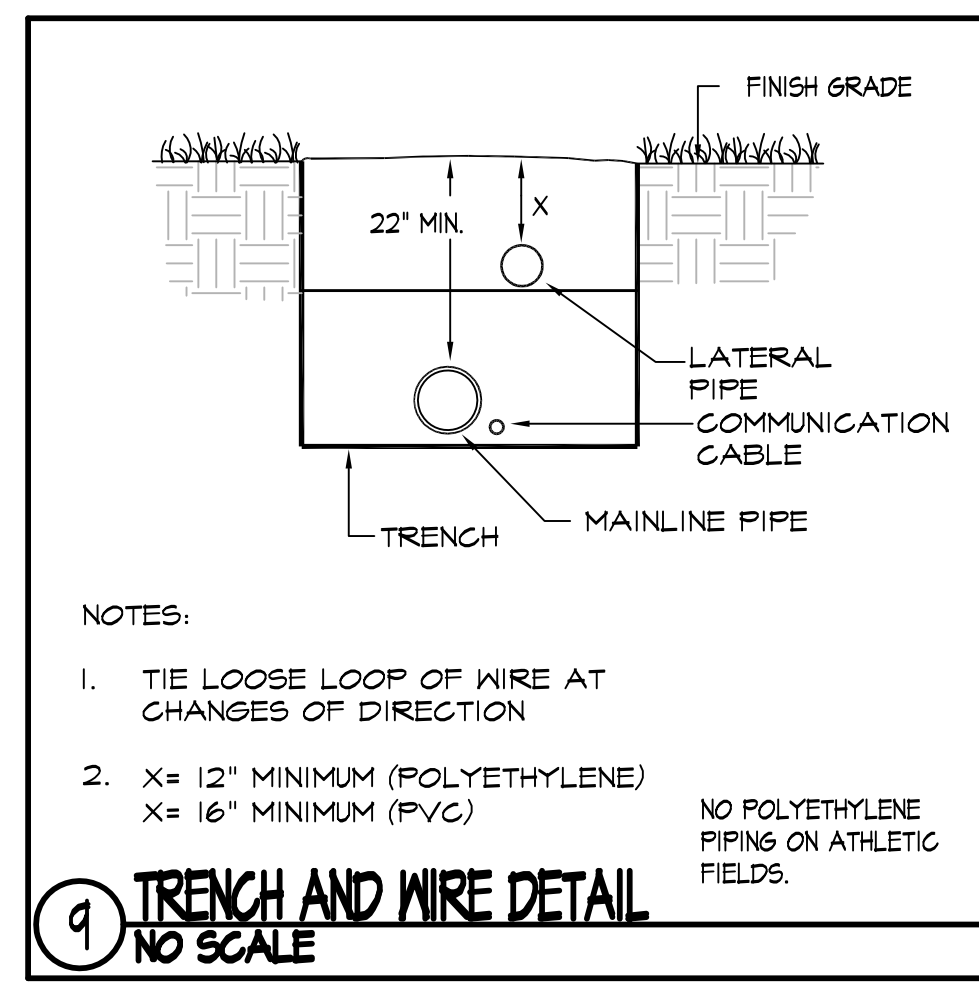
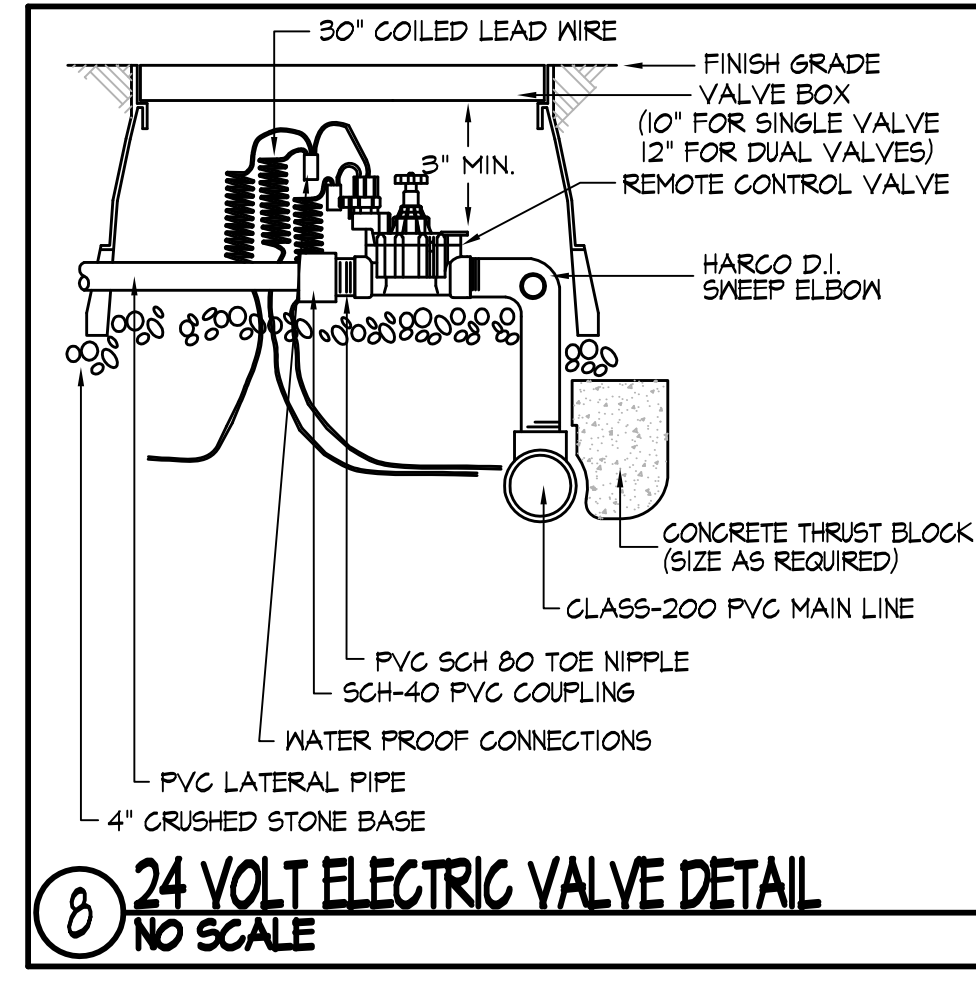
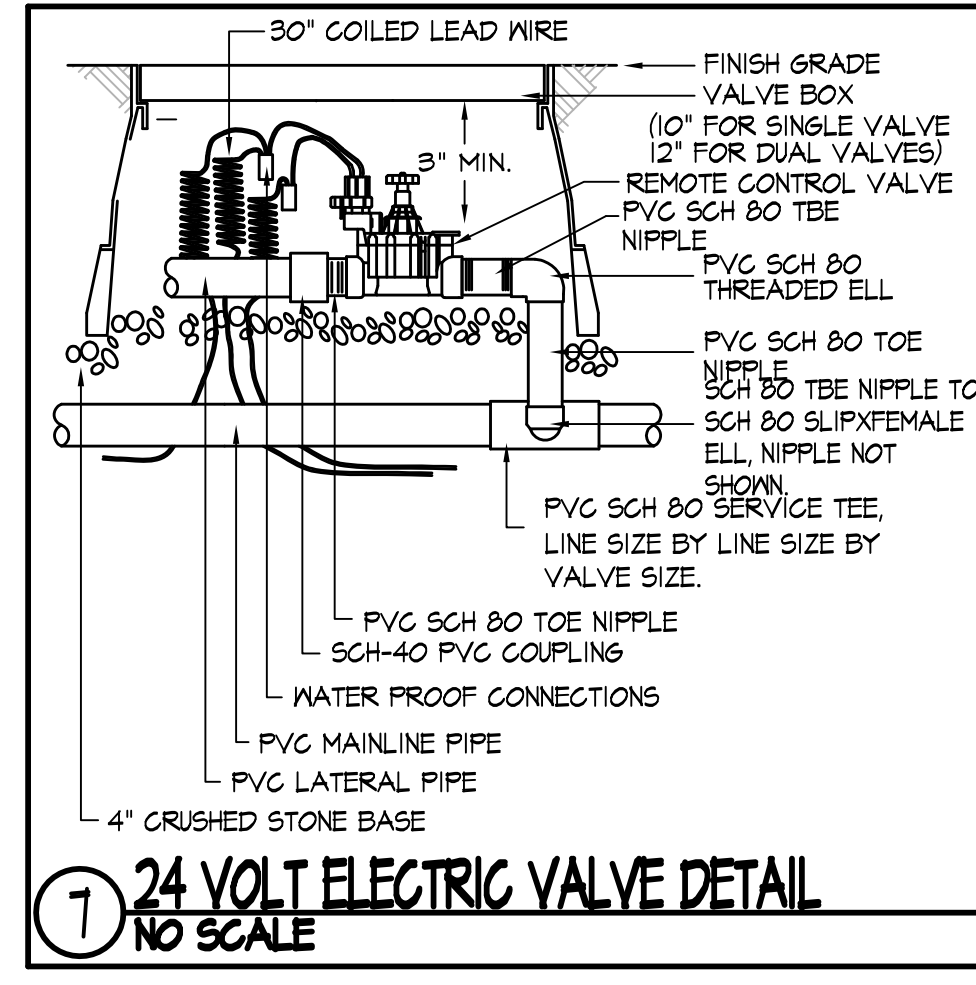
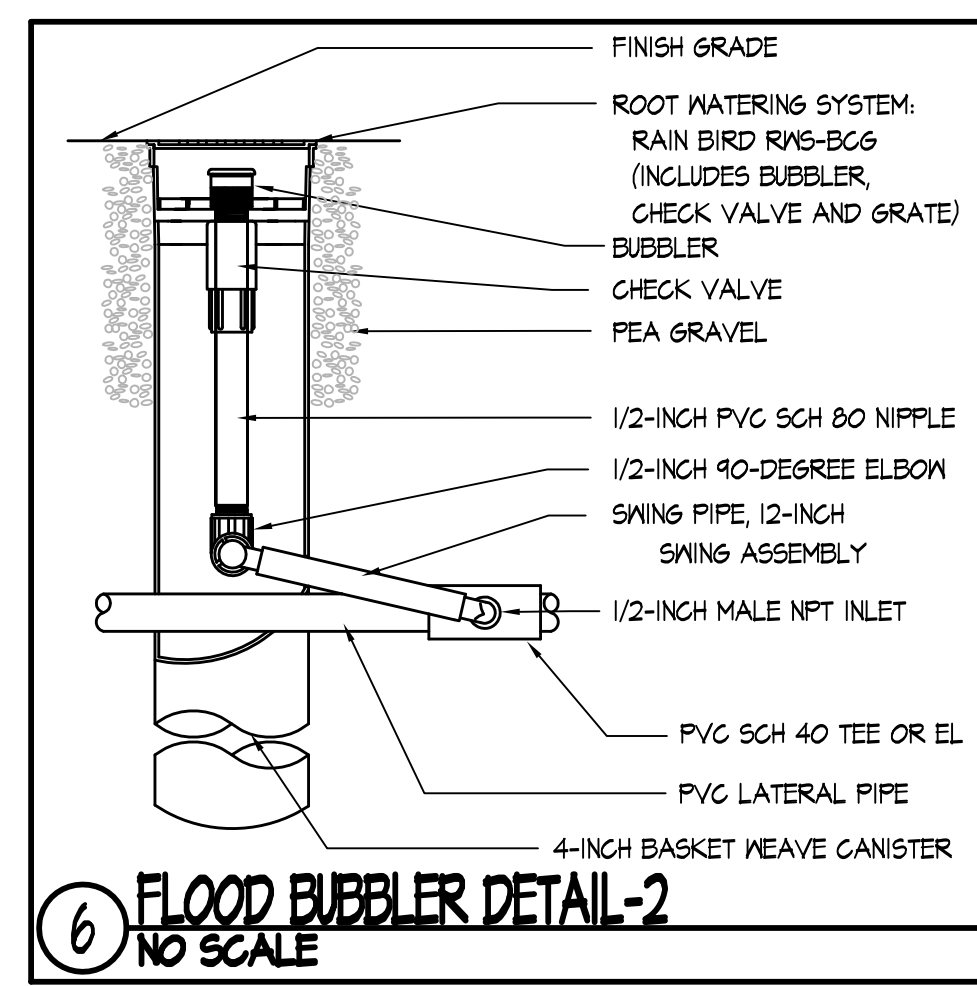
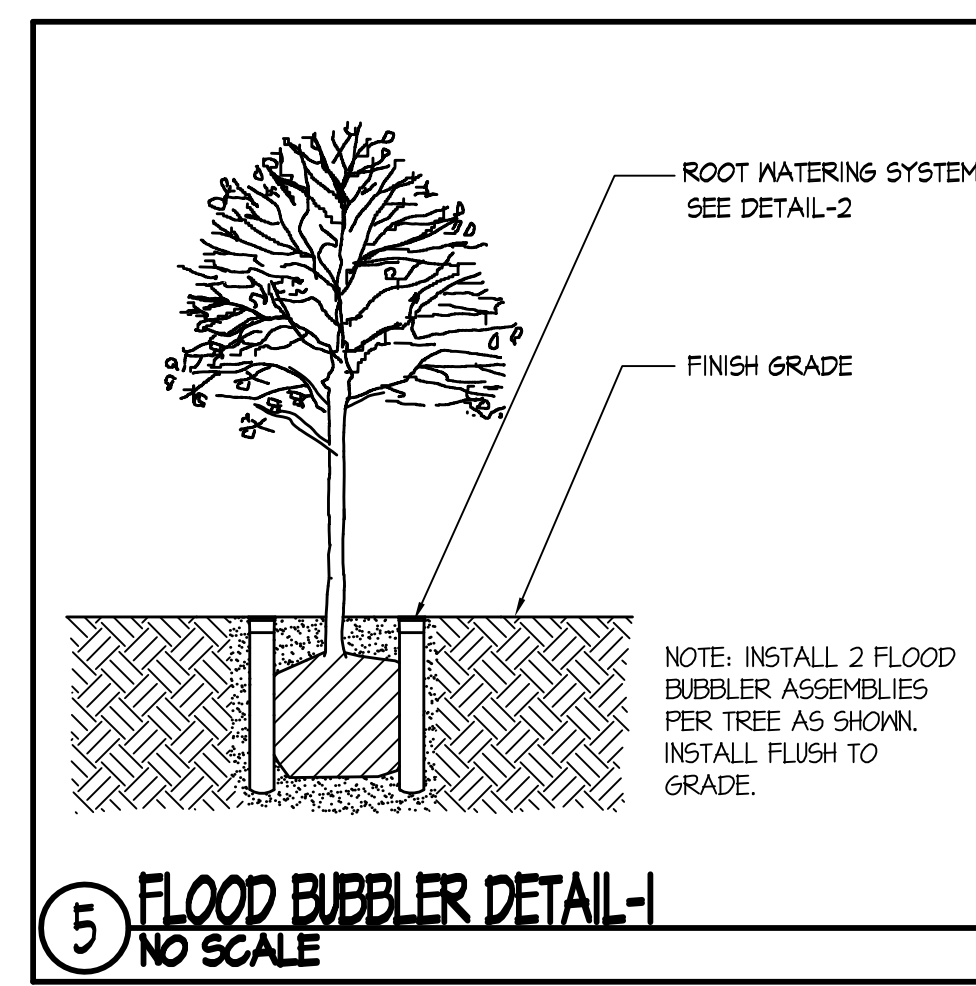
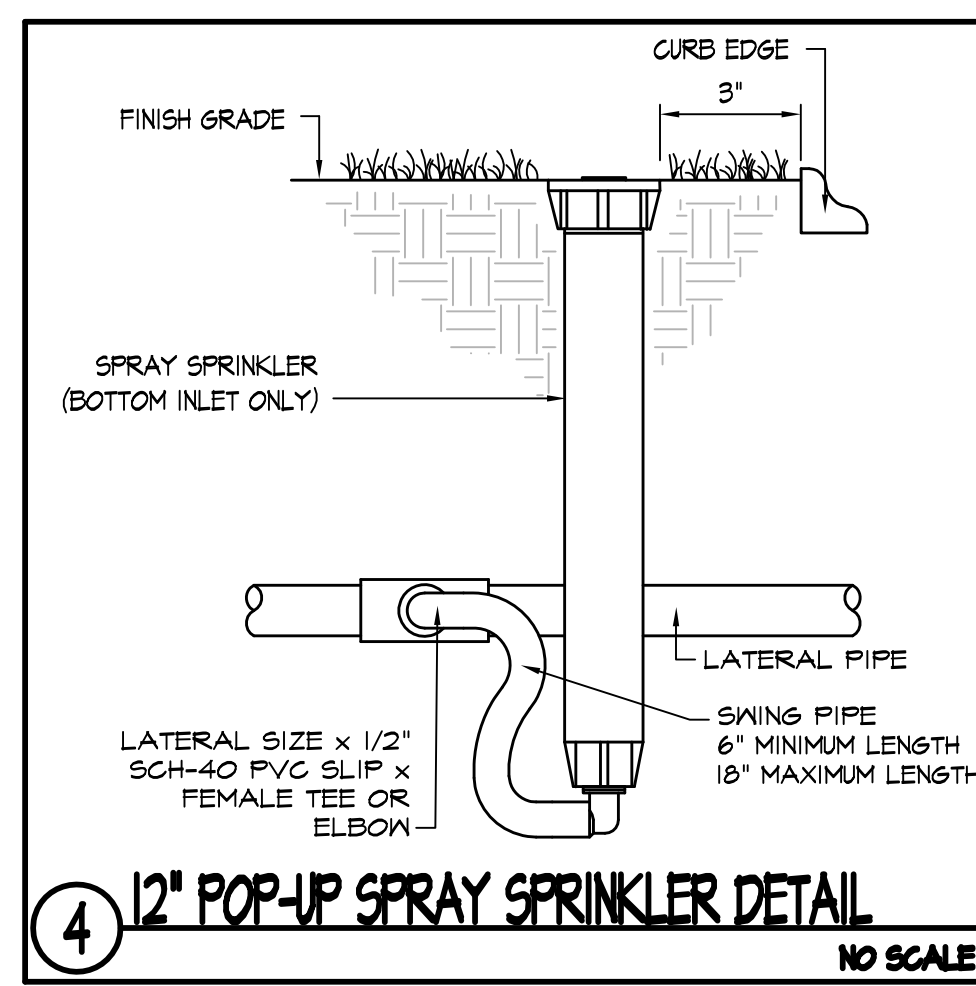
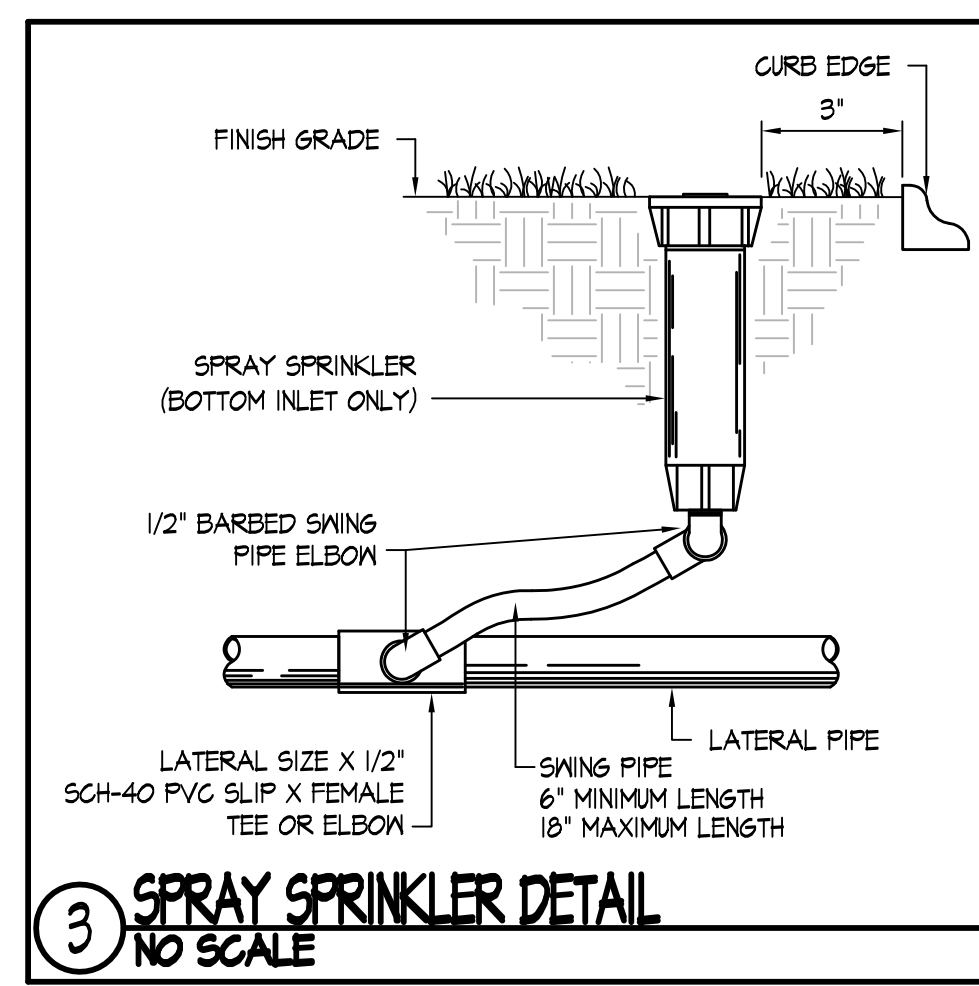
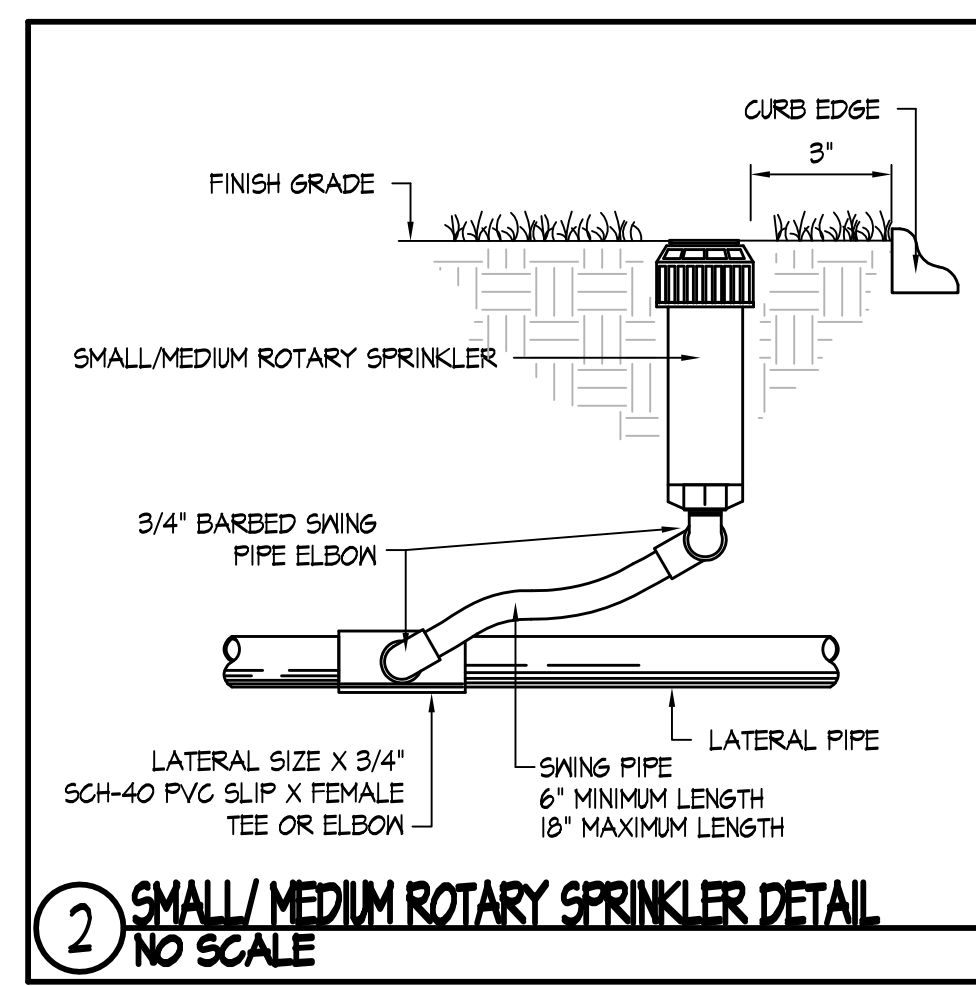
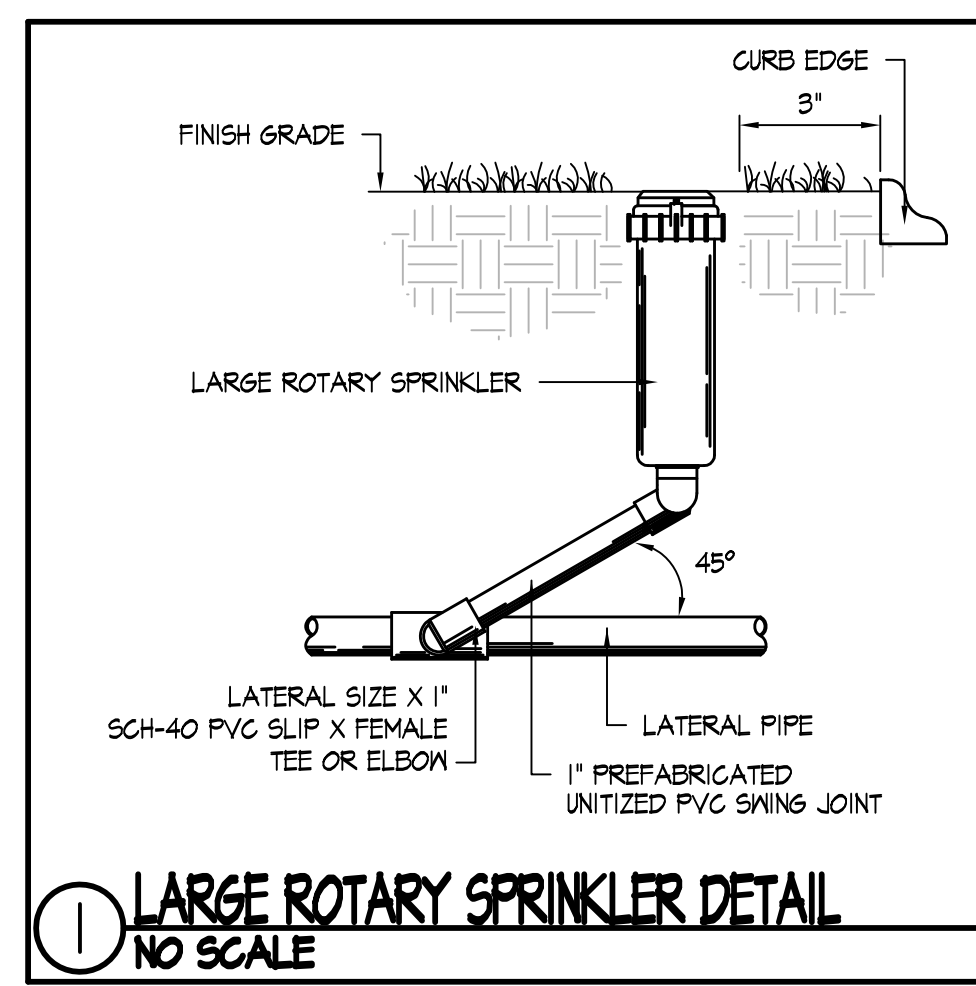
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KEYPLAN			
REVISIONS NO.	DATE	REMARKS	BY
A	08/25/2016	ADDENDUM A	



**KEYPLAN**

REVISIONS NO.	DATE	REMARKS	BY	DRAWING NUMBER
A	08/25/2016	ADDENDUM A		IR.4



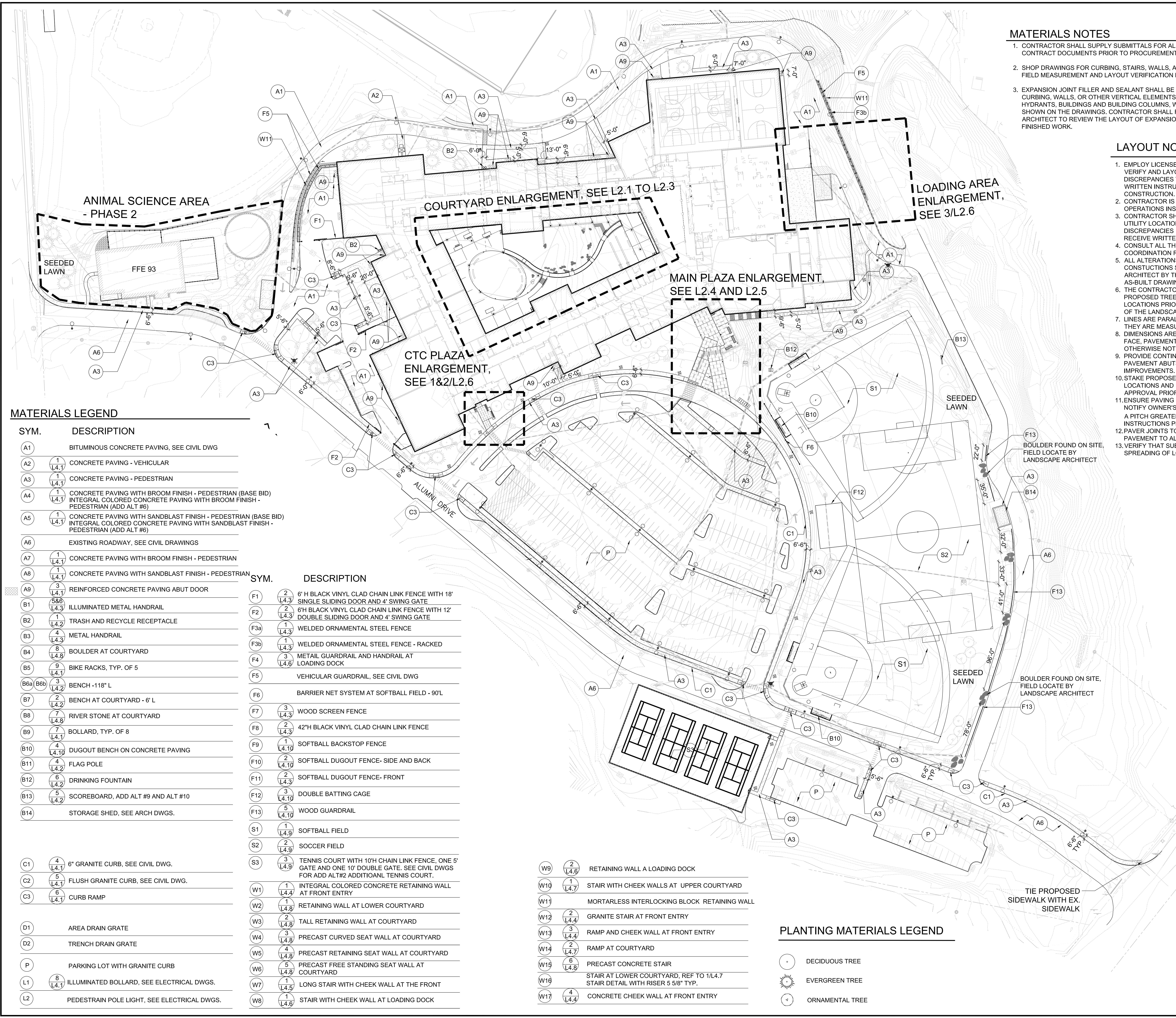


**MATERIALS NOTES**

1. CONTRACTOR SHALL SUPPLY SUBMITTALS FOR ALL MATERIALS AS REQUIRED IN THE CONTRACT DOCUMENTS PRIOR TO PROCUREMENT OF ANY MATERIALS.
2. SHOP DRAWINGS FOR CURBING, STAIRS, WALLS, AND PAVEMENT SHALL BE BASED ON FIELD MEASUREMENT AND LAYOUT VERIFICATION BY THE CONTRACTOR.
3. EXPANSION JOINT FILLER AND SEALANT SHALL BE PLACED WHERE PAVEMENT MEETS CURBING, WALLS, OR OTHER VERTICAL ELEMENTS, INCLUDING LIGHT BASES, HYDRANTS, BUILDINGS AND BUILDING COLUMNS, WALLS, AND OTHER CONDITIONS AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL REQUEST THE PRESENCE OF THE ARCHITECT TO REVIEW THE LAYOUT OF EXPANSION JOINTS PRIOR TO PLACING FINISHED WORK.

**LAYOUT NOTES**

1. EMPLOY LICENSED SURVEYOR OR REGISTERED CIVIL ENGINEER TO VERIFY AND LAYOUT GRADES, LINES AND DIMENSIONS. REPORT DISCREPANCIES TO OWNER'S REPRESENTATIVE AND RECEIVE WRITTEN INSTRUCTIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO HIS/HER OPERATIONS INSIDE AND OUTSIDE OF THE CONTRACT LIMIT LINE.
3. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION. REPORT ANY DISCREPANCIES IN WRITING TO THE LANDSCAPE ARCHITECT AND RECEIVE WRITTEN INSTRUCTIONS PRIOR TO PROCEEDING.
4. CONSULT ALL THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS PRIOR TO CONSTRUCTION.
5. ALL ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE PROMPTLY REPORTED TO THE LANDSCAPE ARCHITECT BY THE CONTRACTOR AND RECORDED ON REPRODUCIBLE AS-BUILT DRAWINGS BY THE CONTRACTOR.
6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY AND PROPOSED TREE LOCATIONS. CONTRACTOR SHALL STAKE TREE LOCATIONS PRIOR TO LOCATION OF UTILITIES AND ATTAIN APPROVAL OF THE LANDSCAPE ARCHITECT.
7. LINES ARE PARALLEL OR PERPENDICULAR TO LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE NOTED.
8. DIMENSIONS ARE TO PAVEMENT CENTERLINE, WALL FACE, CURB FACE, PAVEMENT EDGE, CENTERLINE OF IMPROVEMENT OR AS OTHERWISE NOTED.
9. PROVIDE CONTINUOUS CAULKED EXPANSION JOINT WHERE CONCRETE PAVEMENT ABUTS BUILDINGS, CURBS, WALLS, AND OTHER SITE IMPROVEMENTS.
10. STAKE PROPOSED WALLS, CURBS, AND SITE IMPROVEMENT LOCATIONS AND ELEVATIONS FOR THE OWNER'S REPRESENTATIVE'S APPROVAL PRIOR TO INSTALLATION.
11. ENSURE PAVING PITCHES DRAIN AND WILL NOT POCKET WATER. NOTIFY OWNER'S REPRESENTATIVE BEFORE PLACING PAVEMENT WITH A PITCH GREATER THAN 5% OR LESS THAN 1/4%. RECEIVE WRITTEN INSTRUCTIONS PRIOR TO PROCEEDING.
12. PAVER JOINTS TO ALIGN. JOINTS BETWEEN PAVERS AND CONCRETE PAVEMENT TO ALIGN UNLESS OTHERWISE NOTED.
13. VERIFY THAT SUBGRADE IS 6" BELOW FINISH GRADE PRIOR TO SPREADING OF LOAM.



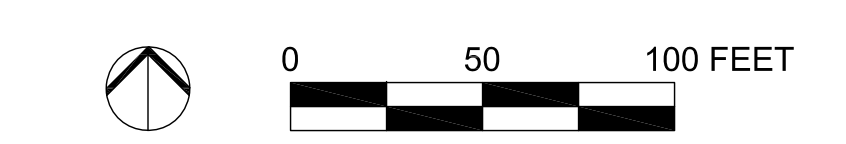
**MATERIALS LEGEND**

SYM.	DESCRIPTION
A1	BITUMINOUS CONCRETE PAVING, SEE CIVIL DWG
A2	1 L4.1 CONCRETE PAVING - VEHICULAR
A3	1 L4.1 CONCRETE PAVING - PEDESTRIAN
A4	1 L4.1 CONCRETE PAVING WITH BROOM FINISH - PEDESTRIAN (BASE BID) INTEGRAL COLORED CONCRETE PAVING WITH BROOM FINISH - PEDESTRIAN (ADD ALT #6)
A5	1 L4.1 CONCRETE PAVING WITH SANDBLAST FINISH - PEDESTRIAN (BASE BID) INTEGRAL COLORED CONCRETE PAVING WITH SANDBLAST FINISH - PEDESTRIAN (ADD ALT #6)
A6	EXISTING ROADWAY, SEE CIVIL DRAWINGS
A7	1 L4.1 CONCRETE PAVING WITH BROOM FINISH - PEDESTRIAN
A8	1 L4.1 CONCRETE PAVING WITH SANDBLAST FINISH - PEDESTRIAN
A9	3 L4.1 REINFORCED CONCRETE PAVING ABUT DOOR
B1	586 L4.3 ILLUMINATED METAL HANDRAIL
B2	1 L4.2 TRASH AND RECYCLE RECEPTACLE
B3	4 L4.3 METAL HANDRAIL
B4	8 L4.8 BOULDER AT COURTYARD
B5	9 L4.1 BIKE RACKS, TYP. OF 5
B6a	3 L4.2 BENCH - 118" L
B7	2 L4.2 BENCH AT COURTYARD - 6' L
B8	7 L4.8 RIVER STONE AT COURTYARD
B9	7 L4.1 BOLLARD, TYP. OF 8
B10	4 L4.10 DUGOUT BENCH ON CONCRETE PAVING
B11	4 L4.2 FLAG POLE
B12	6 L4.2 DRINKING FOUNTAIN
B13	5 L4.2 SCOREBOARD, ADD ALT #9 AND ALT #10
B14	STORAGE SHED, SEE ARCH DWGS.
C1	4 L4.1 6" GRANITE CURB, SEE CIVIL DWG.
C2	5 L4.1 FLUSH GRANITE CURB, SEE CIVIL DWG.
C3	6 L4.1 CURB RAMP
D1	AREA DRAIN GRATE
D2	TRENCH DRAIN GRATE
P	PARKING LOT WITH GRANITE CURB
L1	8 L4.1 ILLUMINATED BOLLARD, SEE ELECTRICAL DWGS.
L2	PEDESTRIAN POLE LIGHT, SEE ELECTRICAL DWGS.

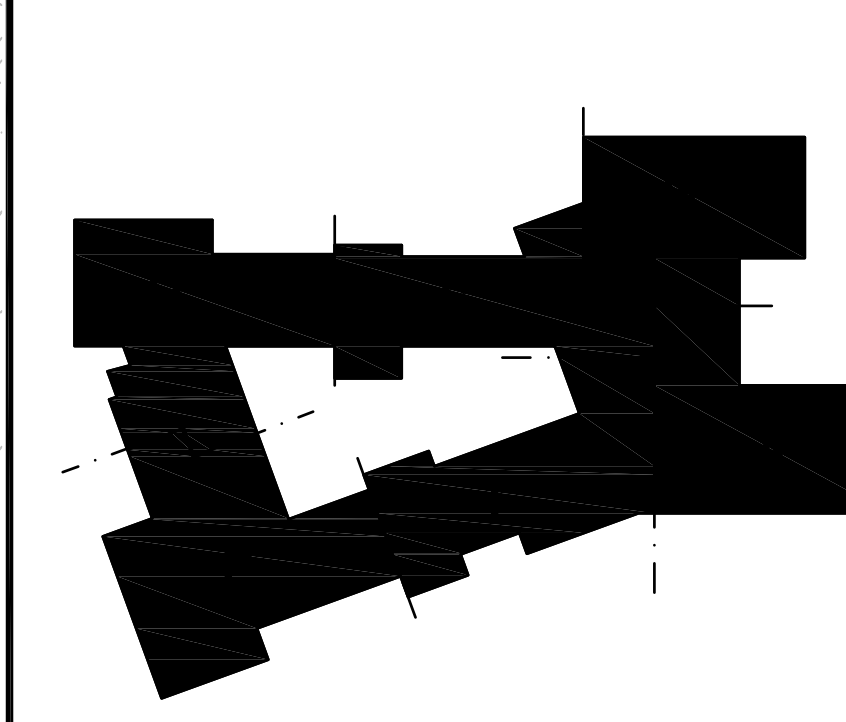
SYM.	DESCRIPTION
F1	2 L4.3 6' H BLACK VINYL CLAD CHAIN LINK FENCE WITH 18' SINGLE SLIDING DOOR AND 4' SWING GATE
F2	2 L4.3 6' H BLACK VINYL CLAD CHAIN LINK FENCE WITH 12' DOUBLE SLIDING DOOR AND 4' SWING GATE
F3a	1 L4.3 WELDED ORNAMENTAL STEEL FENCE
F3b	1 L4.3 WELDED ORNAMENTAL STEEL FENCE - RACKED
F4	3 L4.6 METAL GUARDRAIL AND HANDRAIL AT LOADING DOCK
F5	VEHICULAR GUARDRAIL, SEE CIVIL DWG
F6	BARRIER NET SYSTEM AT SOFTBALL FIELD - 90'L
F7	3 L4.3 WOOD SCREEN FENCE
F8	2 L4.3 42" H BLACK VINYL CLAD CHAIN LINK FENCE
F9	1 L4.10 SOFTBALL BACKSTOP FENCE
F10	2 L4.10 SOFTBALL DUGOUT FENCE- SIDE AND BACK
F11	2 L4.3 SOFTBALL DUGOUT FENCE- FRONT
F12	3 L4.10 DOUBLE BATTING CAGE
F13	5 L4.10 WOOD GUARDRAIL
S1	1 L4.9 SOFTBALL FIELD
S2	2 L4.9 SOCCER FIELD
S3	3 L4.9 TENNIS COURT WITH 10'H CHAIN LINK FENCE, ONE 5' GATE AND ONE 10' DOUBLE GATE. SEE CIVIL DWGS FOR ADD ALT#2 ADDITIONAL TENNIS COURT.
W1	1 L4.4 INTEGRAL COLORED CONCRETE RETAINING WALL AT FRONT ENTRY
W2	1 L4.8 RETAINING WALL AT LOWER COURTYARD
W3	2 L4.8 TALL RETAINING WALL AT COURTYARD
W4	3 L4.8 PRECAST CURVED SEAT WALL AT COURTYARD
W5	4 L4.8 PRECAST RETAINING SEAT WALL AT COURTYARD
W6	5 L4.8 PRECAST FREE STANDING SEAT WALL AT COURTYARD
W7	1 L4.5 LONG STAIR WITH CHEEK WALL AT THE FRONT
W8	1 L4.6 STAIR WITH CHEEK WALL AT LOADING DOCK
W9	2 L4.6 RETAINING WALL A LOADING DOCK
W10	1 L4.7 STAIR WITH CHEEK WALLS AT UPPER COURTYARD
W11	MORTARLESS INTERLOCKING BLOCK RETAINING WALL
W12	2 L4.4 GRANITE STAIR AT FRONT ENTRY
W13	3 L4.4 RAMP AND CHEEK WALL AT FRONT ENTRY
W14	2 L4.7 RAMP AT COURTYARD
W15	6 L4.8 PRECAST CONCRETE STAIR
W16	STAIR AT LOWER COURTYARD, REF TO 1/L4.7 STAIR DETAIL WITH RISER 5 5/8" TYP.
W17	4 L4.4 CONCRETE CHEEK WALL AT FRONT ENTRY

**PLANTING MATERIALS LEGEND**

- DECIDUOUS TREE
- ☀ EVERGREEN TREE
- ⊙ ORNAMENTAL TREE

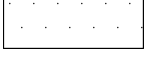







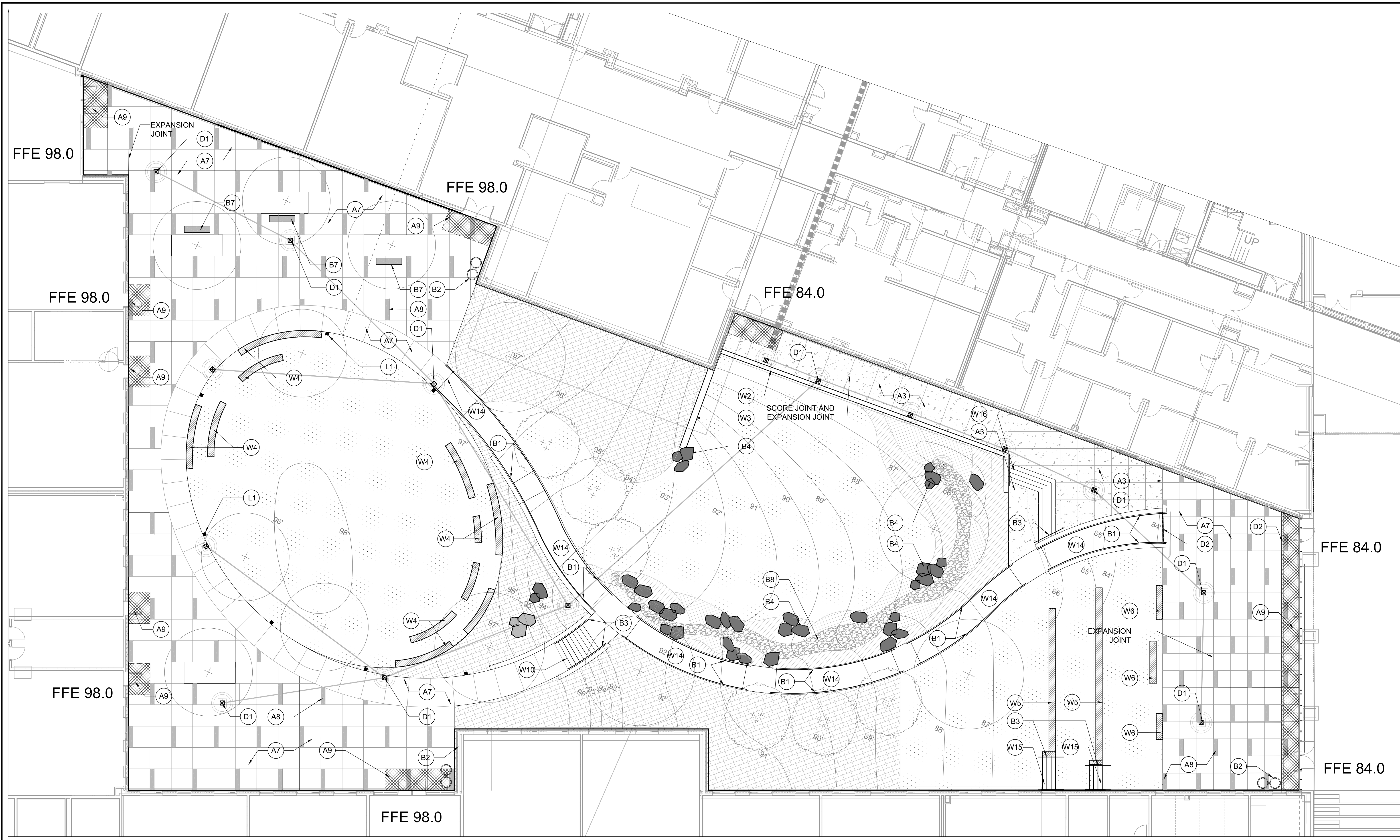
**KEYPLAN**



REVISIONS NO.	DATE	REMARKS	BY
A	8/25/2016	ADDENDUM A	
B	9/1/2016	ADDENDUM B	

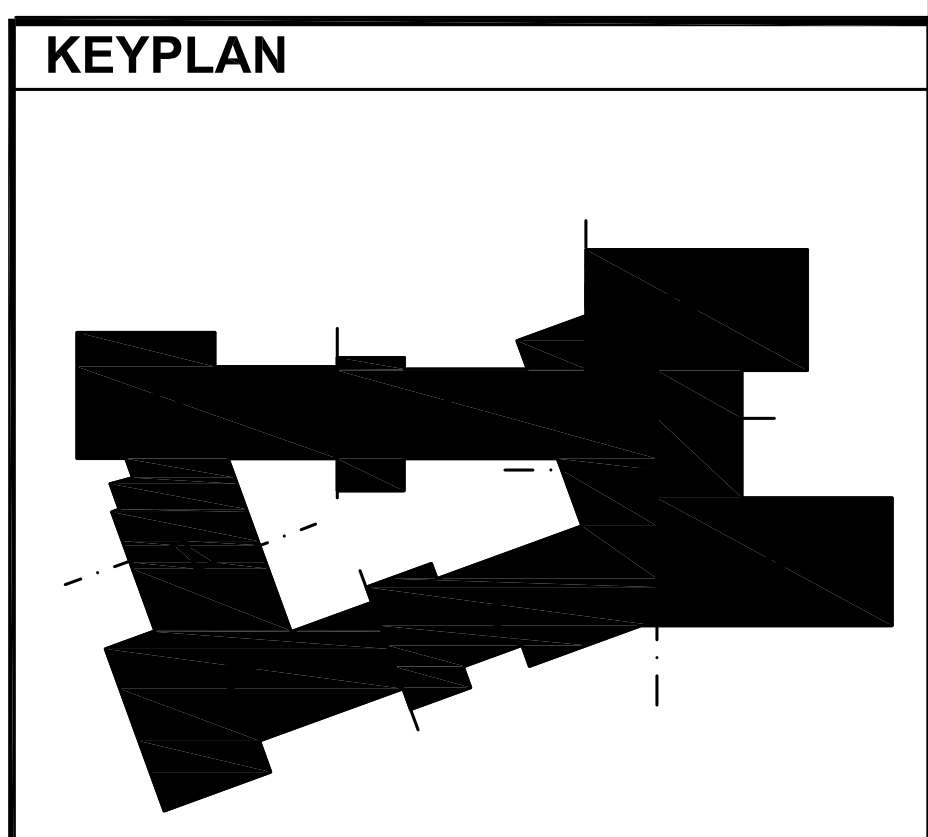
PLANTING MATERIALS LEGEND

-  SOD AT COURTYARD
-  PLANTING AREA
-  DECIDUOUS TREE
-  EVERGREEN TREE
-  FLOWERING - TREEMULTI-STEMMED
-  SHRUB

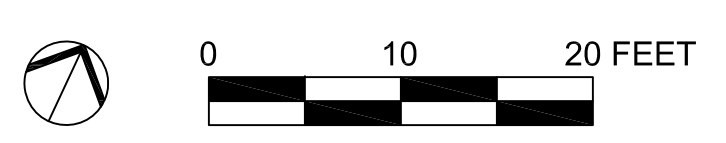


MATERIALS LEGEND

SYM.	DESCRIPTION	SYM.	DESCRIPTION	SYM.	DESCRIPTION	SYM.	DESCRIPTION
A1	BITUMINOUS CONCRETE PAVING, SEE CIVIL DWG	B1	ILLUMINATED METAL HANDRAIL	W1	INTEGRAL COLORED CONCRETE RETAINING WALL AT FRONT ENTRY	W12	GRANITE STAIR AT FRONT ENTRY
A2	CONCRETE PAVING - VEHICULAR	B2	TRASH AND RECYCLE RECEPTACLE	W2	RETAINING WALL AT LOWER COURTYARD	W13	RAMP AND CHEEK WALL AT FRONT ENTRY
A3	CONCRETE PAVING - PEDESTRIAN	B3	METAL HANDRAIL	W3	TALL RETAINING WALL AT COURTYARD	W14	RAMP AT COURTYARD
A4	CONCRETE PAVING WITH BROOM FINISH - PEDESTRIAN (BASE BID) INTEGRAL COLORED CONCRETE PAVING WITH BROOM FINISH - PEDESTRIAN (ADD ALT #6)	B4	BOULDER AT COURTYARD	W4	PRECAST CURVED SEAT WALL AT COURTYARD	W19	PRECAST CONCRETE STAIR
A5	CONCRETE PAVING WITH SANDBLAST FINISH - PEDESTRIAN (BASE BID) INTEGRAL COLORED CONCRETE PAVING WITH SANDBLAST FINISH - PEDESTRIAN (ADD ALT #6)	B5	BIKE RACKS, TYP. OF 5	W5	PRECAST RETAINING SEAT WALL AT COURTYARD	W19	STAIR AT LOWER COURTYARD, REF TO 1/L4.7 STAIR DETAIL WITH RISER 5 5/8" TYP.
A7	CONCRETE PAVING WITH BROOM FINISH - PEDESTRIAN	B6	BENCH - 118" L	W6	PRECAST FREE STANDING SEAT WALL AT COURTYARD	W17	CONCRETE CHEEK WALL AT FRONT ENTRY
A8	CONCRETE PAVING WITH SANDBLAST FINISH - PEDESTRIAN	B7	BENCH AT COURTYARD - 6' L	W7	LONG STAIR WITH CHEEK WALL AT THE FRONT		
A9	REINFORCED CONCRETE PAVING ABUT DOOR	B8	RIVER STONE AT COURTYARD	W8	STAIR WITH CHEEK WALL AT LOADING DOCK		
		B9	BOLLARD, TYP. OF 8	W9	RETAINING WALL A LOADING DOCK		
		D1	AREA DRAIN GRATE	W10	STAIR WITH CHEEK WALLS AT UPPER COURTYARD		
		D2	TRENCH DRAIN GRATE	W11	MORTARLESS INTERLOCKING BLOCK RETAINING WALL		
		L1	ILLUMINATED BOLLARD, SEE ELECTRICAL DWGS.				
		L2	PEDESTRIAN POLE LIGHT, SEE ELECTRICAL DWGS.				



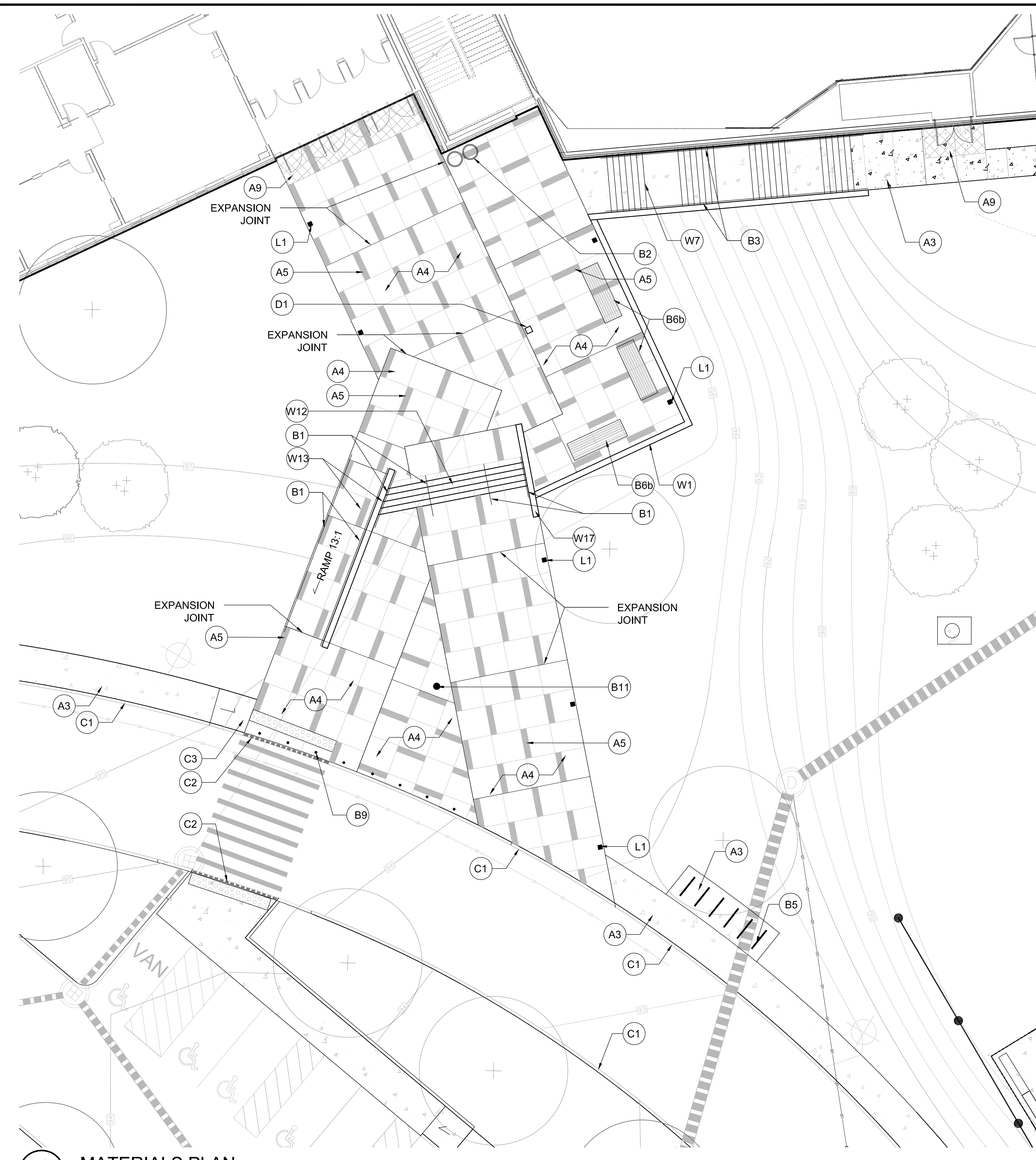
REVISIONS NO.	DATE	REMARKS	BY
B	9/1/2016	ADDENDUM B	



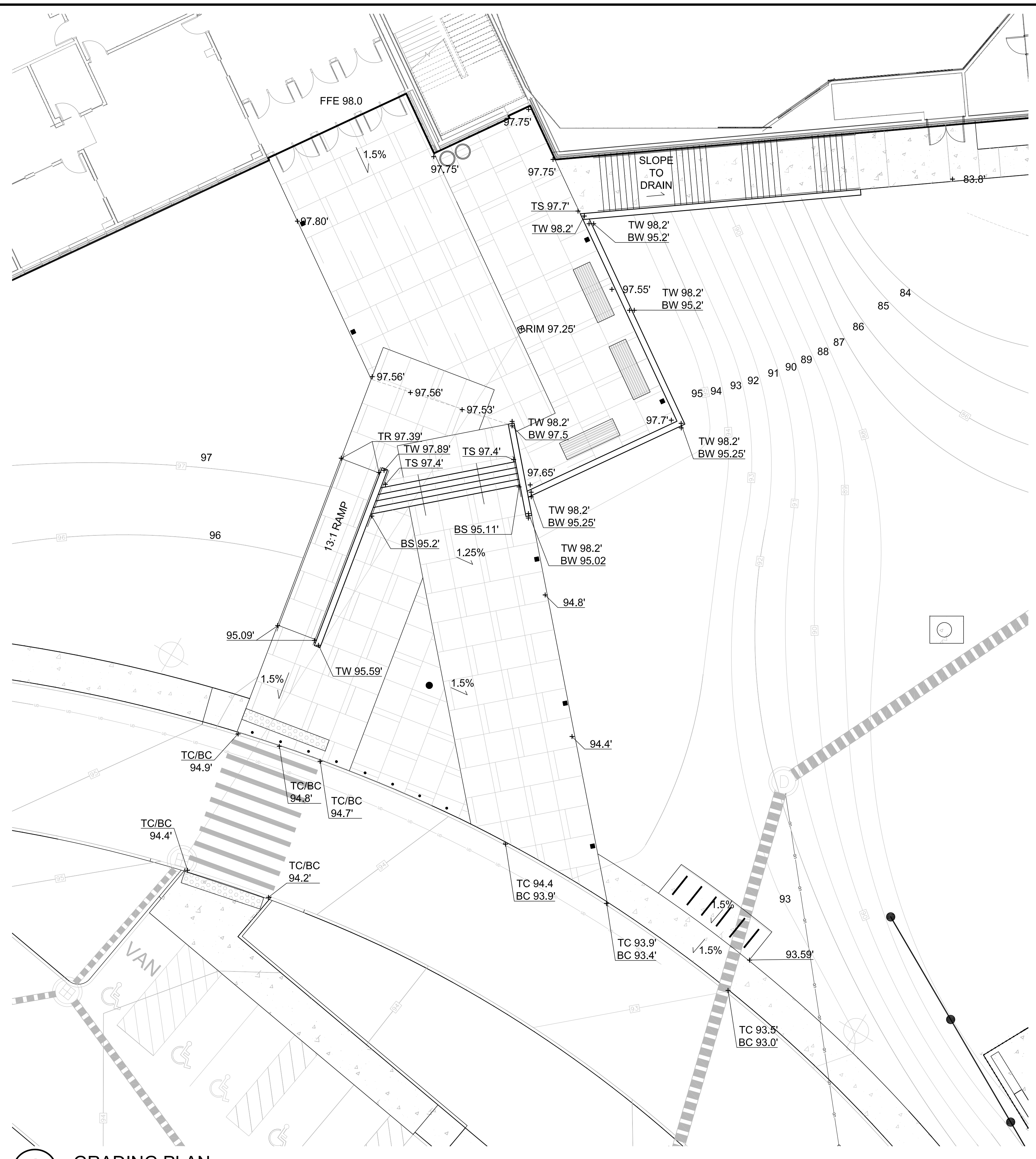
L2.1







**1 MATERIALS PLAN**  
SCALE: 1"=10'-0"



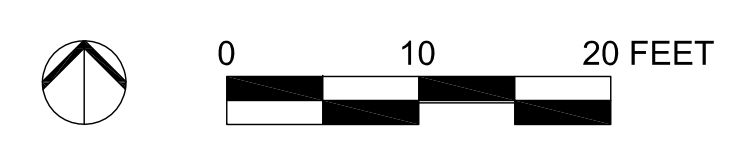
**2 GRADING PLAN**  
SCALE: 1"=10'-0"

**MATERIALS LEGEND**

SYM.	DESCRIPTION	SYM.	DESCRIPTION	SYM.	DESCRIPTION	SYM.	DESCRIPTION
A1	BITUMINOUS CONCRETE PAVING, SEE CIVIL DWG	B10	BENCH AT DUGOUT ON CONCRETE PAVING	F1	6' H BLACK VINYL CLAD CHAIN LINK FENCE WITH 18' SINGLE SLIDING DOOR AND 4' SWING GATE	W3	TALL RETAINING WALL AT COURTYARD
A2	CONCRETE PAVING - VEHICULAR	B11	FLAG POLE	F2	6' H BLACK VINYL CLAD CHAIN LINK FENCE WITH 12' DOUBLE SLIDING DOOR AND 4' SWING GATE	W4	PRECAST CURVED SEAT WALL AT COURTYARD
A3	CONCRETE PAVING - PEDESTRIAN	B12	DRINKING FOUNTAIN	F3a	WELDED ORNAMENTAL STEEL FENCE	W5	PRECAST RETAINING SEAT WALL AT COURTYARD
A4	CONCRETE PAVING WITH BROOM FINISH - PEDESTRIAN (BASE BID) INTEGRAL COLORED CONCRETE PAVING WITH BROOM FINISH - PEDESTRIAN (ADD ALT #6)	B13	SCOREBOARD, ADD ALT #9 AND ALT#10	F3b	WELDED ORNAMENTAL STEEL FENCE - RACKED	W6	PRECAST FREE STANDING SEAT WALL AT COURTYARD
A5	CONCRETE PAVING WITH SANDBLAST FINISH - PEDESTRIAN (BASE BID) INTEGRAL COLORED CONCRETE PAVING WITH SANDBLAST FINISH - PEDESTRIAN (ADD ALT #6)	B14	STORAGE SHED, SEE ARCH DWGS.	F4	GALVANIZED STEEL GUARDRAIL AND HANDRAIL AT LOADING DOCK	W7	LONG STAIR WITH CHEEK WALL AT THE FRONT
A9	REINFORCED CONCRETE PAVING ABUT DOOR	C1	6" GRANITE CURB, SEE CIVIL DWG.	F5	VEHICULAR GUARDRAIL, SEE CIVIL DWG	W8	STAIR WITH CHEEK WALL AT LOADING DOCK
B1	ILLUMINATED METAL HANDRAIL	C2	FLUSH GRANITE CURB, SEE CIVIL DWG.	F6	BARRIER NET SYSTEM AT SOFTBALL FIELD - 90'L	W9	RETAINING WALL A LOADING DOCK
B2	TRASH AND RECYCLE RECEPTACLE	C3	CURB RAMP	F7	WOOD SCREEN FENCE	W10	STAIR WITH CHEEK WALLS AT UPPER COURTYARD
B3	METAL HANDRAIL	D1	AREA DRAIN GRATE	F8	42"H BLACK VINYL CLAD CHAIN LINK FENCE	W11	MORTARLESS INTERLOCKING BLOCK RETAINING WALL
B4	BOULDER AT COURTYARD	D2	TRENCH DRAIN GRATE	S1	SOFTBALL FIELD	W12	GRANITE STAIR AT FRONT ENTRY
B5	BIKE RACKS, TYP. OF 5	L1	ILLUMINATED BOLLARD, SEE ELECTRICAL DWGS.	S2	SOCCER FIELD	W13	RAMP AND CHEEK WALL AT FRONT ENTRY
B6a/B6b	BENCH - 118" L	L2	PEDESTRIAN POLE LIGHT, SEE ELECTRICAL DWGS.	S3	TENNIS COURT WITH 10'H CHAIN LINK FENCE, ONE 5' GATE AND ONE 10' DOUBLE GATE. SEE CIVIL DWGS FOR ADD ALT#2 ADDITIOANL TENNIS COURT.	W14	RAMP AT COURTYARD
B7	BENCH AT COURTYARD - 6' L			W1	INTEGRAL COLORED CONCRETE RETAINING WALL AT FRONT ENTRY	W15	PRECAST CONCRETE STAIR
B8	RIVER STONE AT COURTYARD			W2	RETAINING WALL AT LOWER COURTYARD	W16	STAIR AT LOWER COURTYARD, REF TO 1/L4.7 STAIR DETAIL WITH RISER 5 5/8" TYP.
B9	BOLLARD, TYP. OF 8					W17	CONCRETE CHEEK WALL AT FRONT ENTRY

**PLANTING MATERIALS LEGEND**

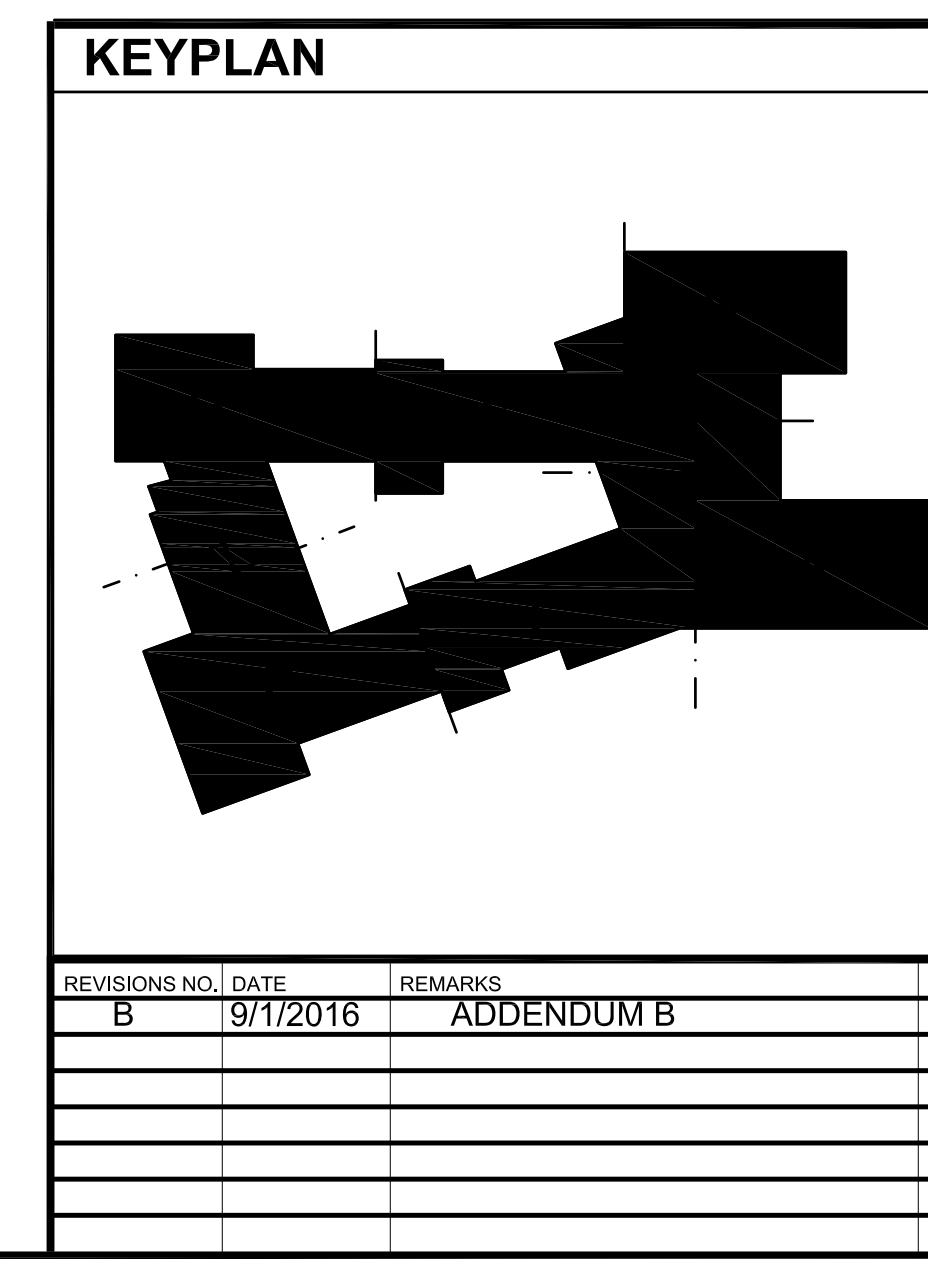
(Symbol: Circle with dot)	DECIDUOUS TREE
(Symbol: Circle with starburst)	EVERGREEN TREE
(Symbol: Circle with cross)	ORNAMENTAL TREE



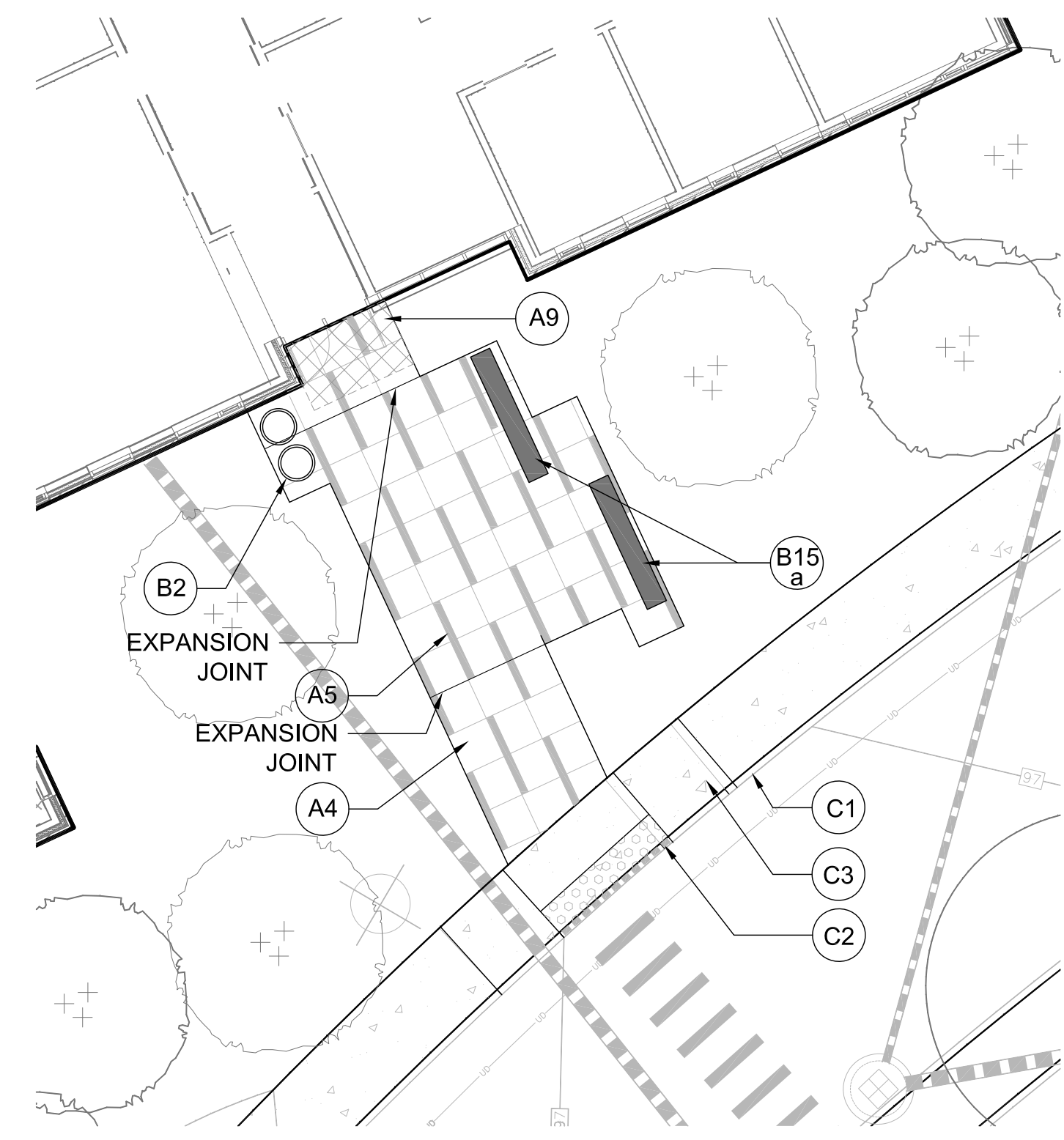
**GRADING LEGEND**

TW	TOP OF WALL ELEVATION
BW	BOTTOM OF WALL ELEVATION
TC	TOP OF CURB ELEVATION
BC	BOTTOM OF CURB ELEVATION
TS	TOP OF STAIR ELEVATION
BS	BOTTOM OF STAIR ELEVATION
+ (XX.XX)	EXISTING SPOT ELEVATION
+ XX.XX	PROPOSED SPOT ELEVATION

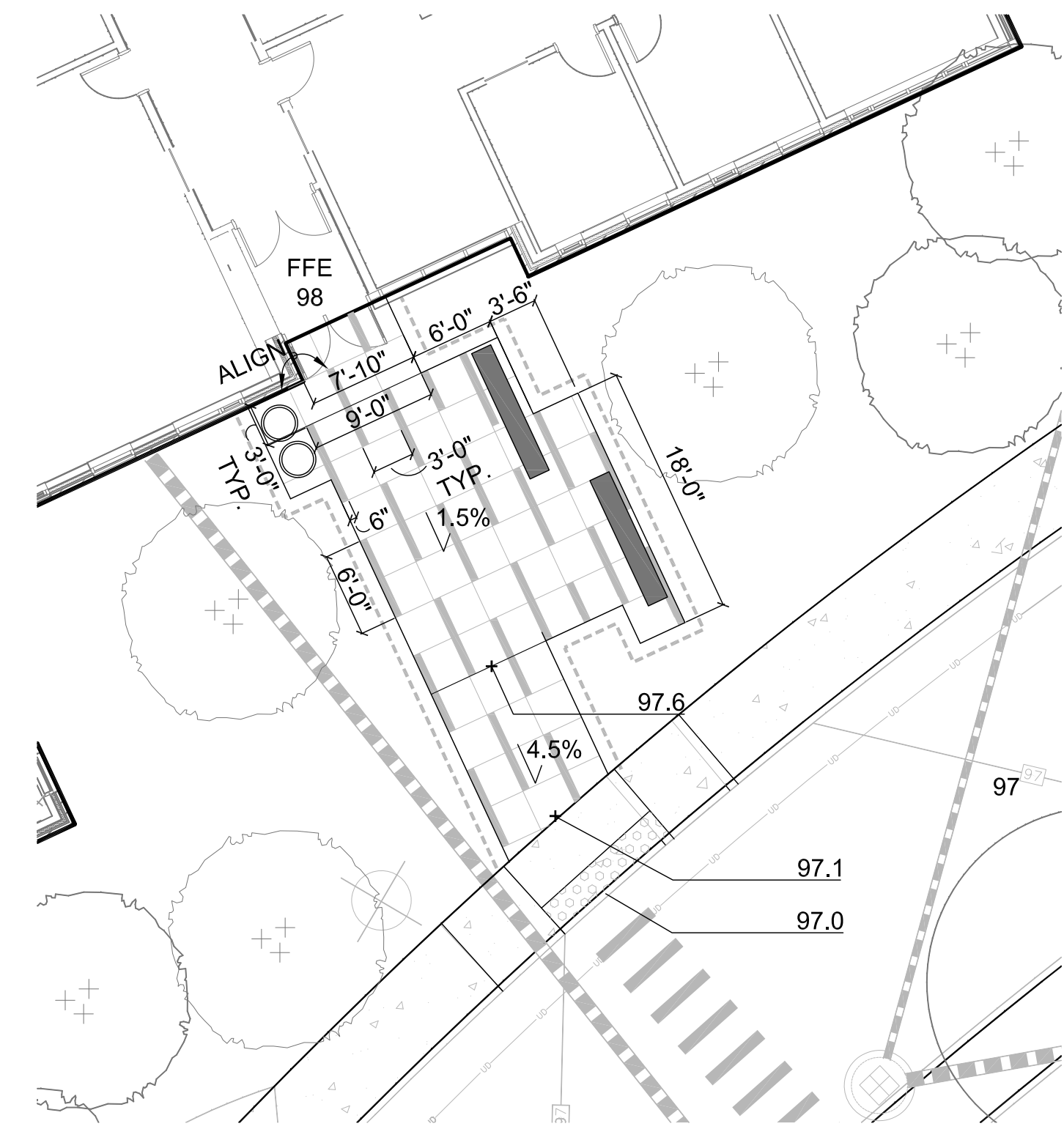
NOTE:  
1. SEE CIVIL DRAWINGS FOR OVERALL SITE GRADING, ROADWAY AND CURB GRADING.  
2. SEE L2.5 FOR GENERAL NOTED FOR MATERIAL, LAYOUT AND GRADING







**1** CTC ENTRY PLAZA - MATERIALS PLAN  
SCALE: 1"=10'-0"

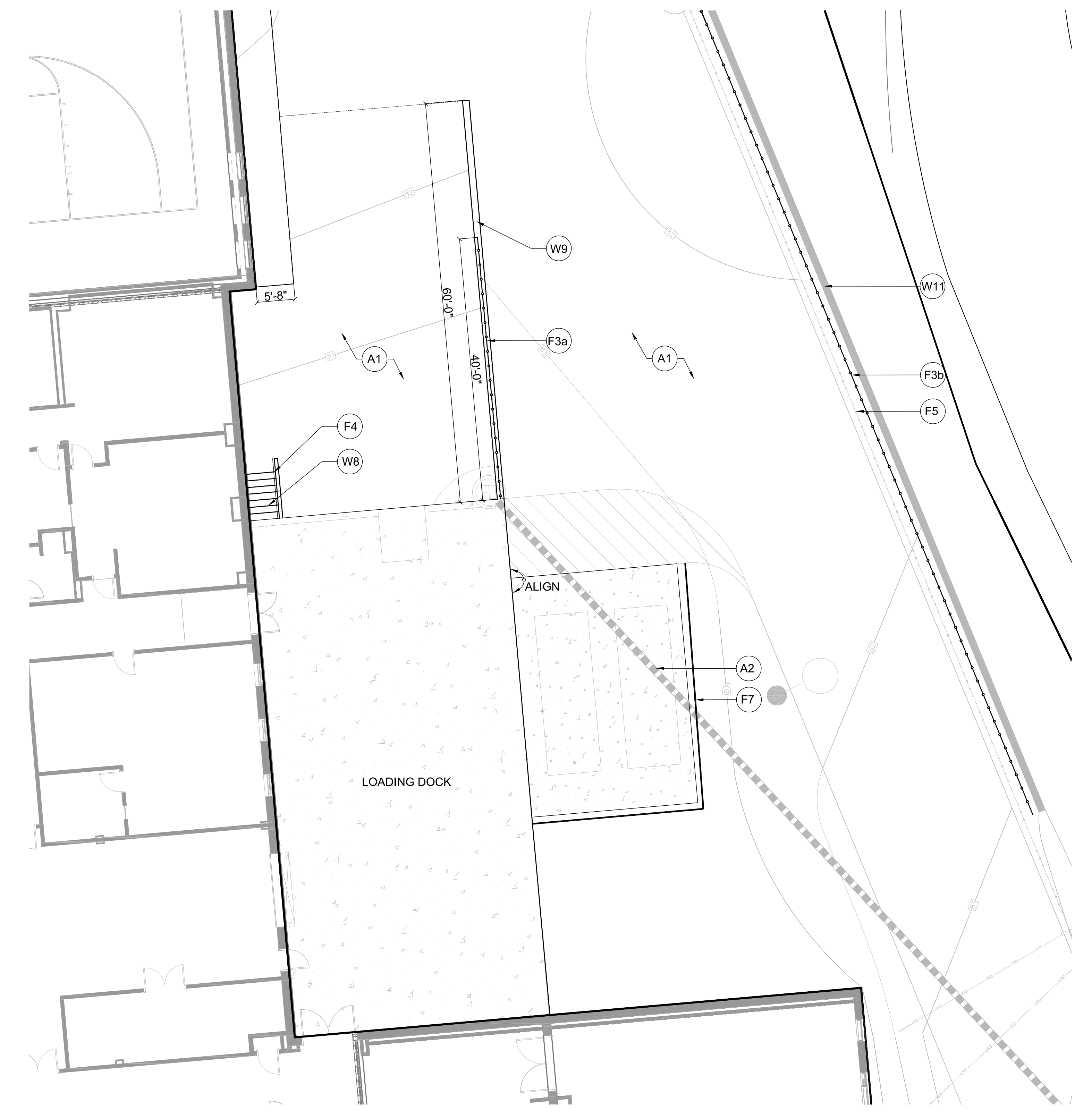


**2** CTC ENTRY PLAZA - LAYOUT AND GRADING PLAN  
SCALE: 1"=10'-0"

**MATERIALS LEGEND**

SYM.	DESCRIPTION
A1	BITUMINOUS CONCRETE PAVING, SEE CIVIL DWG
A2	CONCRETE PAVING - VEHICULAR
A3	CONCRETE PAVING - PEDESTRIAN
A4	CONCRETE PAVING WITH BROOM FINISH - PEDESTRIAN (BASE BID) INTEGRAL COLORED CONCRETE PAVING WITH BROOM FINISH - PEDESTRIAN (ADD ALT #6)
A5	CONCRETE PAVING WITH SANDBLAST FINISH - PEDESTRIAN (BASE BID) INTEGRAL COLORED CONCRETE PAVING WITH SANDBLAST FINISH - PEDESTRIAN (ADD ALT #6)
A9	REINFORCED CONCRETE PAVING ABUT DOOR
B1	ILLUMINATED METAL HANDRAIL
B2	TRASH AND RECYCLE RECEPTACLE
B3	METAL HANDRAIL
B4	BOULDER AT COURTYARD
B5	BIKE RACKS, TYP. OF 5
B6a/B6b	BENCH - 118" L
B7	BENCH AT COURTYARD - 6' L
B8	RIVER STONE AT COURTYARD
B9	BOLLARD, TYP. OF 8
B10	BENCH AT DUGOUT ON CONCRETE PAVING
B11	FLAG POLE
B12	DRINKING FOUNTAIN
B13	SOFTBALL SCOREBOARD, ADD ALT #9
B14	STORAGE SHED, SEE ARCH DWGS.
C1	6" GRANITE CURB, SEE CIVIL DWG.
C2	FLUSH GRANITE CURB, SEE CIVIL DWG.
C3	CURB RAMP
D1	AREA DRAIN GRATE
D2	TRENCH DRAIN GRATE
P	PARKING LOT WITH GRANITE CURB
L1	ILLUMINATED BOLLARD, SEE ELECTRICAL DWGS.
L2	PEDESTRIAN POLE LIGHT, SEE ELECTRICAL DWGS.

SYM.	DESCRIPTION
F1	6' H BLACK VINYL CLAD CHAIN LINK FENCE WITH 18' SINGLE SLIDING DOOR AND 4' SWING GATE
F2	6' H BLACK VINYL CLAD CHAIN LINK FENCE WITH 12' DOUBLE SLIDING DOOR AND 4' SWING GATE
F3a	WELDED ORNAMENTAL STEEL FENCE
F3b	WELDED ORNAMENTAL STEEL FENCE - RACKED
F4	METAL GUARDRAIL AND HANDRAIL AT LOADING DOCK
F5	VEHICULAR GUARDRAIL, SEE CIVIL DWG
F6	BARRIER NET SYSTEM AT SOFTBALL FIELD - 90'L
F7	WOOD SCREEN FENCE
F8	42" H BLACK VINYL CLAD CHAIN LINK FENCE
S1	SOFTBALL FIELD
S2	SOCCER FIELD
S3	TENNIS COURT WITH 10' H CHAIN LINK FENCE, ONE 5' GATE AND ONE 10' DOUBLE GATE. SEE CIVIL DWGS FOR ADD ALT#2 ADDITIONAL TENNIS COURT.
W1	INTEGRAL COLORED CONCRETE RETAINING WALL AT FRONT ENTRY
W2	RETAINING WALL AT LOWER COURTYARD
W3	TALL RETAINING WALL AT COURTYARD
W4	PRECAST CURVED SEAT WALL AT COURTYARD
W5	PRECAST RETAINING SEAT WALL AT COURTYARD
W6	PRECAST FREE STANDING SEAT WALL AT COURTYARD
W7	LONG STAIR WITH CHEEK WALL AT THE FRONT
W8	STAIR WITH CHEEK WALL AT LOADING DOCK
W9	RETAINING WALL AT LOADING DOCK
W10	STAIR WITH CHEEK WALLS AT UPPER COURTYARD
W11	MORTARLESS INTERLOCKING BLOCK RETAINING WALL
W12	GRANITE STAIR AT FRONT ENTRY
W13	RAMP AND CHEEK WALL AT FRONT ENTRY
W14	RAMP AT COURTYARD
W15	PRECAST CONCRETE STAIR
W16	STAIR AT LOWER COURTYARD, REF TO 1/L4.7 STAIR DETAIL WITH RISER 5 5/8" TYP.
W17	CONCRETE CHEEK WALL AT FRONT ENTRY



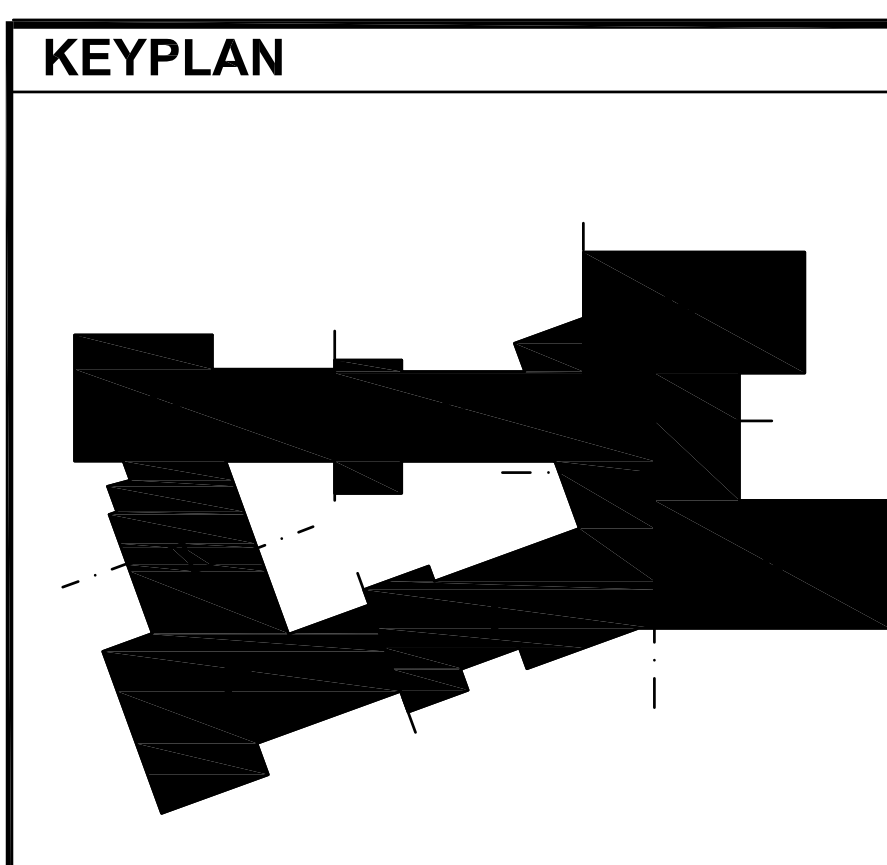
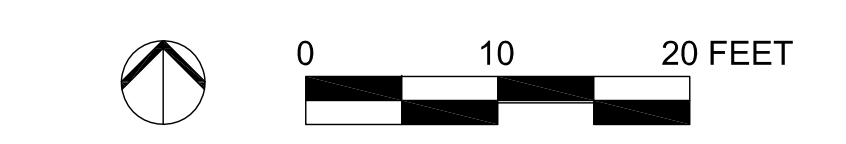
**3** LOADING DOCK - MATERIAL AND LAYOUT PLAN  
SCALE: 1"=10'-0"

**PLANTING MATERIALS LEGEND**

(Symbol: Circle with a dot)	DECIDUOUS TREE
(Symbol: Circle with a starburst)	EVERGREEN TREE
(Symbol: Circle with a cross)	ORNAMENTAL TREE

**GRADING LEGEND**

TW	TOP OF WALL ELEVATION	TS	TOP OF STAIR ELEVATION
BW	BOTTOM OF WALL ELEVATION	BS	BOTTOM OF STAIR ELEVATION
TC	TOP OF CURB ELEVATION	+ (XX.XX)	EXISTING SPOT ELEVATION
BC	BOTTOM OF CURB ELEVATION	+ XX.XX	PROPOSED SPOT ELEVATION



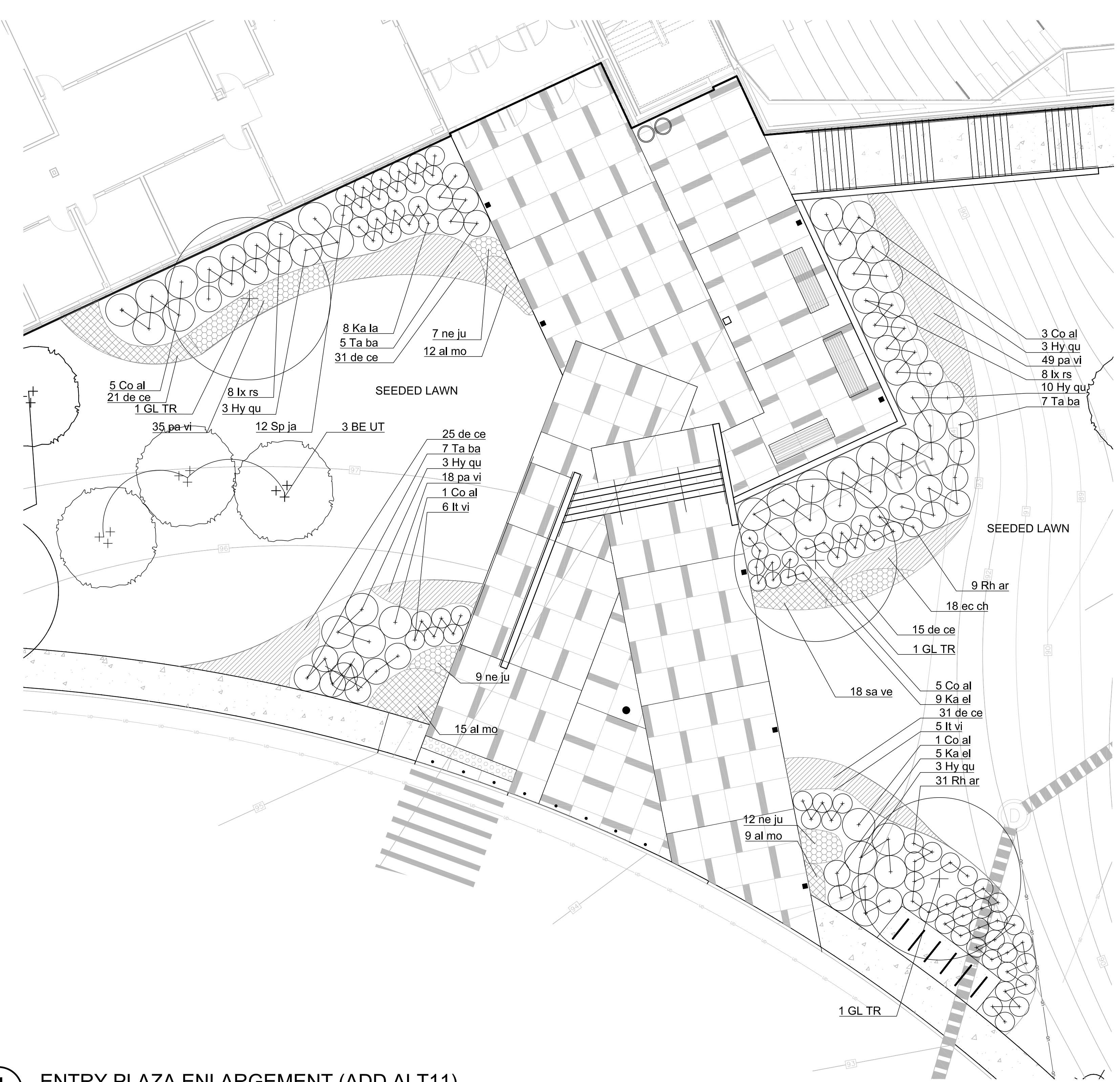
REVISIONS NO.	DATE	REMARKS	BY



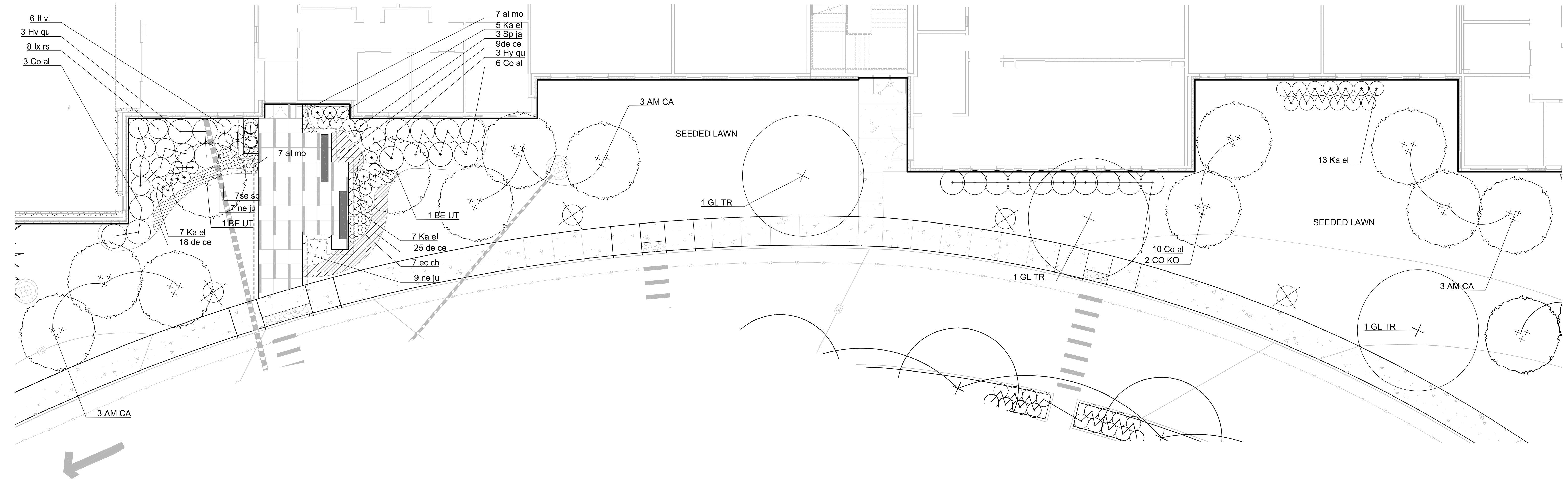


PLANTING LIST (ADD ALT11)

SYMBOL	QNTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
<b>TREES</b>						
		AM CA	Amelanchier canadensis 'Autumn Brilliance'	Autumn Brilliance Serviceberry	8-10' Ht.	B&B; 3-5 stems
		BE UT	Betula utilis 'Jacquemontii'	Himalayan White Birch	10-12' Ht.	B&B; multi-stem
		CO KO	Cornus kousa	Japanese Dogwood	3-3.5" Cal.	B&B; matched
		GL TR	Gleditsia triacanthos 'Skyline'	Skyline Honeylocust	3-3.5" Cal.	B&B; matched
<b>SHRUBS</b>						
		Co al	Cornus alba 'Ivory Halo'	Ivory Halo Red-Twig Dogwood	42-48" Ht.	Cont.
		Hy qu	Hydrangea quercifolia 'Pee Wee'	Pee Wee Oakleaf Hydrangea	24-30" Ht.	Cont.
		Ix rs	Ilex verticillata 'Red Sprite'	Red Sprite Winterberry	30-36" Ht.	Cont.
		It vi	Itea virginica 'Henry's Garnet'	Henry's Garnet Sweetspire	24-30" Ht.	Cont., 36" O.C.
		Ka el	Kalmia latifolia 'Elf'	Elf Mountain Laurel	18-24" Ht.	Cont.
		Rh ar	Rhus aromatica 'Gro-low'	Gro-Low Sumac	18-24" Ht.	Cont., 36" O.C.
		Sp ja	Spiraea japonica 'Little Princess'	Little Princess Spirea	24-30" Ht.	Cont.
		Ta ba	Taxus baccata 'Repandens'	Spreading Yew	18-24" Ht.	Cont.
<b>PERENNIAL</b>						
		al mo	Alchemilla mollis	Lady's Mantle	1 GAL.	18" O.C.
		de ce	Deschampsia cespitosa 'Goldtau'	Tufted Hair Grass	3 GAL.	24" O.C.
		ec ch	Echinacea 'Cheyenne Spirit'	Cayenne Spirit Coneflower	1 GAL.	18" O.C.
		ne ju	Nepeta 'Junior Walker'	Catmint	1 GAL.	18" O.C.
		pa vi	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	3 GAL.	18" O.C.
		sa ve	Salvia verticillata 'Purple Rain'	Whorled Sage	1 GAL.	15" O.C.
		se sp	Sedum spurium 'Voodoo'	Voodoo Stonecrop	1 GAL.	18" O.C.



1 ENTRY PLAZA ENLARGEMENT (ADD ALT11)  
SCALE: 1"=10'-0"



2 CTC ENTRY PLAZA ENLARGEMENT (ADD ALT11)  
SCALE: 1"=10'-0"

**KEYPLAN**

REVISIONS NO.	DATE	REMARKS	BY

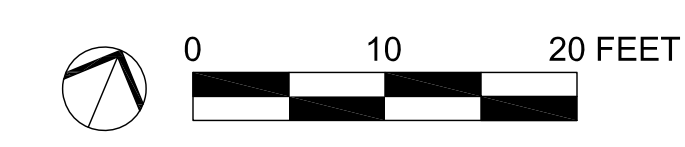


Symbol	Quantity	Botanical Name	Common Name	Size	Spacing	Notes
<b>TREE</b>						
AC RU		<i>Acer rubrum</i> 'October Glory'	October Glory Red Maple	3-3.5" Cal.		
BE UT		<i>Betula Utilis</i> 'Jacquemontii'	Himalayan White Birch	10' -12" Ht, B&B		
OO KO		<i>Cornus Kousa</i>	Japanese Dogwood	3-3.5" Cal.		
GL TR		<i>Gleditsia triacanthos</i> 'Skyline'	Skyline Honeylocust	3-3.5" Cal.		
<b>SHRUB</b>						
Co pe		<i>Comptonia perigrina</i>	Sweet Fern	5 Gal.		
Fo in		<i>Fothergilla x intermedia</i> 'Blue Shadow'	Blue Shadow Fothergilla	24-30" ht		
Hy bb		<i>Hydrangea macrophylla</i> 'Blushing Bride'	Blushing Bride Hydrangea	7 Gal.		
Hy ts		<i>Hydrangea macrophylla</i> 'Twist and Shout'	Twist and Shout Hydrangea	5 Gal.		
Hy qu		<i>Hydrangea quercifolia</i> 'Pee Wee'	Pee Wee Hydrangea	5 Gal.		
Ix gl		<i>Ilex Glabra</i> 'Shamrock'	Inkberry	5 Gal.		
Ix jd		<i>Ilex verticillata</i> 'Jim Dandy'	Jim Dandy Winterberry	30-36" ht		
Ix rs		<i>Ilex verticillata</i> 'Red Sprite'	Red Sprite Winterberry	30-36" ht		
Ka la		<i>Kalmia latifolia</i> 'Sarah'	Sarah Mountain Laurel	7 Gal.		
Rh ma		<i>Rhododendron maximum</i>	Rose-bay Rhododendron	30-36" ht		
Rh va		<i>Rhododendron vaseyi</i>	Pink-shell Azalea	30-36" ht		
Sp ja		<i>Spiraea japonica</i> 'Little Princess'	Little Princess Spirea	3 Gal.		
Vi ca		<i>Viburnum carlesii</i> 'Compactum'	Korean Spice Viburnum	30-36" ht		
Vi pl		<i>Viburnum plicatum</i> 'Summer Snowflake'	Summer Snowflake Viburnum	4-5' ht		
<b>PERENNIALS, GRASSES AND GROUNDCOVERS</b>						
al mo		<i>Achenille mollis</i>	Lady's Mantle	1 GAL	18" O.C.	
as ca		<i>Asarum canadense</i>	Wild Ginger	1 GAL	12" O.C.	
as ja		<i>Astilbe japonica</i> 'Deutschland'	Astilbe - White	1 GAL	10" O.C.	
as ch		<i>Astilbe chinensis</i> 'Visions in Pink'	Astilbe - Pink	1 GAL	18" O.C.	
as la		<i>Aster laevis</i> 'Blue Bird'	Smooth Aster	1 GAL	18" O.C.	
at fl		<i>Athyrium filix-femina</i> 'Lady in Red'	Lady Fern	1 GAL	18" O.C.	
at ni		<i>Athyrium niponicum</i> 'Godzilla'	Painted Fern	1 GAL	12" O.C.	
ba so		<i>Baptisia 'Solar Flare</i> 'Prairieblues'	False Indigo	3 GAL	18" O.C.	
bo gr		<i>Bouteloua gracilis</i> 'Blonde Ambition'	Blonde Mosquito Grass	2 GAL	15" O.C.	

de ce	<i>Deschampsia cespitosa</i> 'Goldtau'	Tufted Hair Grass	3 GAL	18" O.C.	
ec ch	<i>Echinacea</i> 'Cheyenne Spirit'	Cayenne Spirit Coneflower	1 GAL	18" O.C.	
er bi	<i>Eryngium</i> 'Big Blue'	Sea Holly	1 GAL	18" O.C.	
eu du	<i>Eutrochium dubium</i> 'Little Joe'	Little Joe Pye Weed	1 GAL	18" O.C.	
ga od	<i>Galium odoratum</i>	Sweet Woodruff	1 GAL	12" O.C.	
ge sa	<i>Geranium sanguineum</i> 'New Hampshire Purple'	New Hampshire Purple Cranesbill	1 GAL	18" O.C.	
he mo	<i>Helenium</i> 'Moerheim Beauty'	Helen's Flower	1 GAL	18" O.C.	
he ic	<i>Helleborus</i> 'Ice Breaker Pico'	Lenton Rose	1 GAL	15" O.C.	
he ob	<i>Heuchera</i> 'Obsidian'	Obsidian Heuchera	1 GAL	12" O.C.	
ho ch	<i>Hosta</i> 'Cherryberry'	Cherry Berry Hosta	1 GAL	15" O.C.	
ho su	<i>Hosta</i> 'Sum and Substance'	Sum and Substance Hosta	2 GAL	24" O.C.	
ma st	<i>Mateuccia struthioptera</i> 'Jumbo'	Ostrich Fern	1 GAL	18" O.C.	
ir en	<i>Iris ensata</i> 'Good Omen'	Japanese Iris	1 GAL	12" O.C.	
ne ju	<i>Nepeta</i> 'Junior Walker'	Catmint	1 GAL	18" O.C.	
pa vi	<i>Panicum virgatum</i> 'Shenandoah'	Shenandoah Switch Grass	3 GAL	18" O.C.	
pe di	<i>Penstemon digitalis</i> 'Husker Red'	Husker Red Beardtongue	1 GAL	18" O.C.	
pe di	<i>Perovskia atriplicifolia</i> 'Peek-A-Blue'	Russian Sage	1 GAL	18" O.C.	
po fa	<i>Polygonatum falcatum</i> 'Variegatum'	Variegated Solomon Seal	1 GAL	18" O.C.	
sa ve	<i>Salvia verticillata</i> 'Purple Rain'	Whorled Sage	1 GAL	18" O.C.	
se pu	<i>Sedum</i> 'Purple Emperor'	Purple Stonecrop	1 GAL	18" O.C.	
se sp	<i>Sedum spurium</i> 'Voodoo'	Voodoo Stonecrop	1 GAL	18" O.C.	

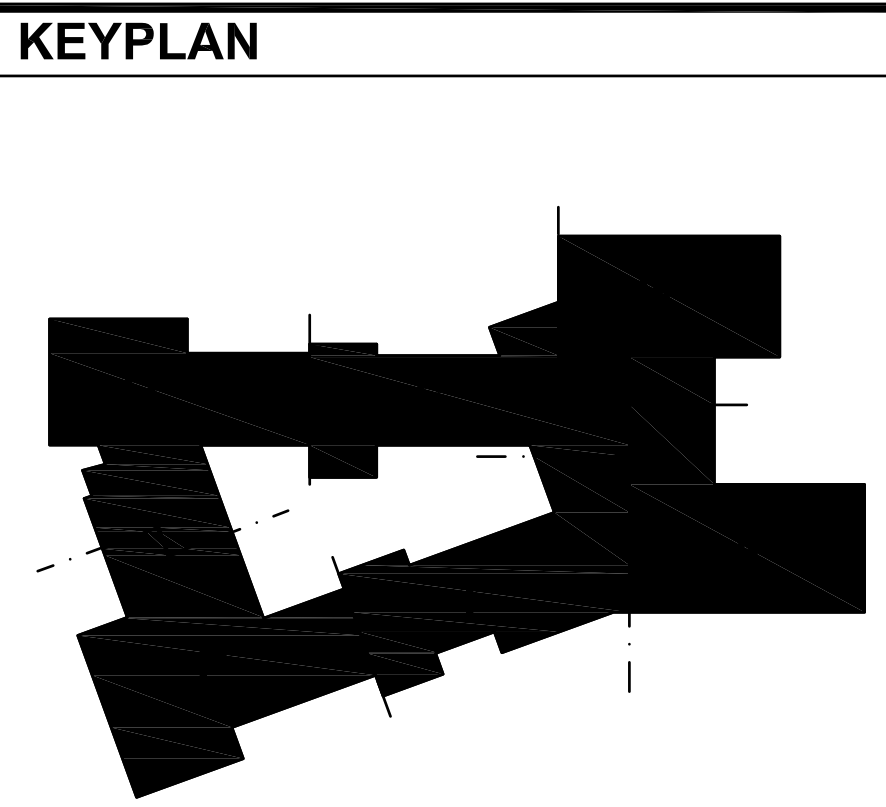
**KEYPLAN**

REVISION NO.	DATE	REMARKS	BY

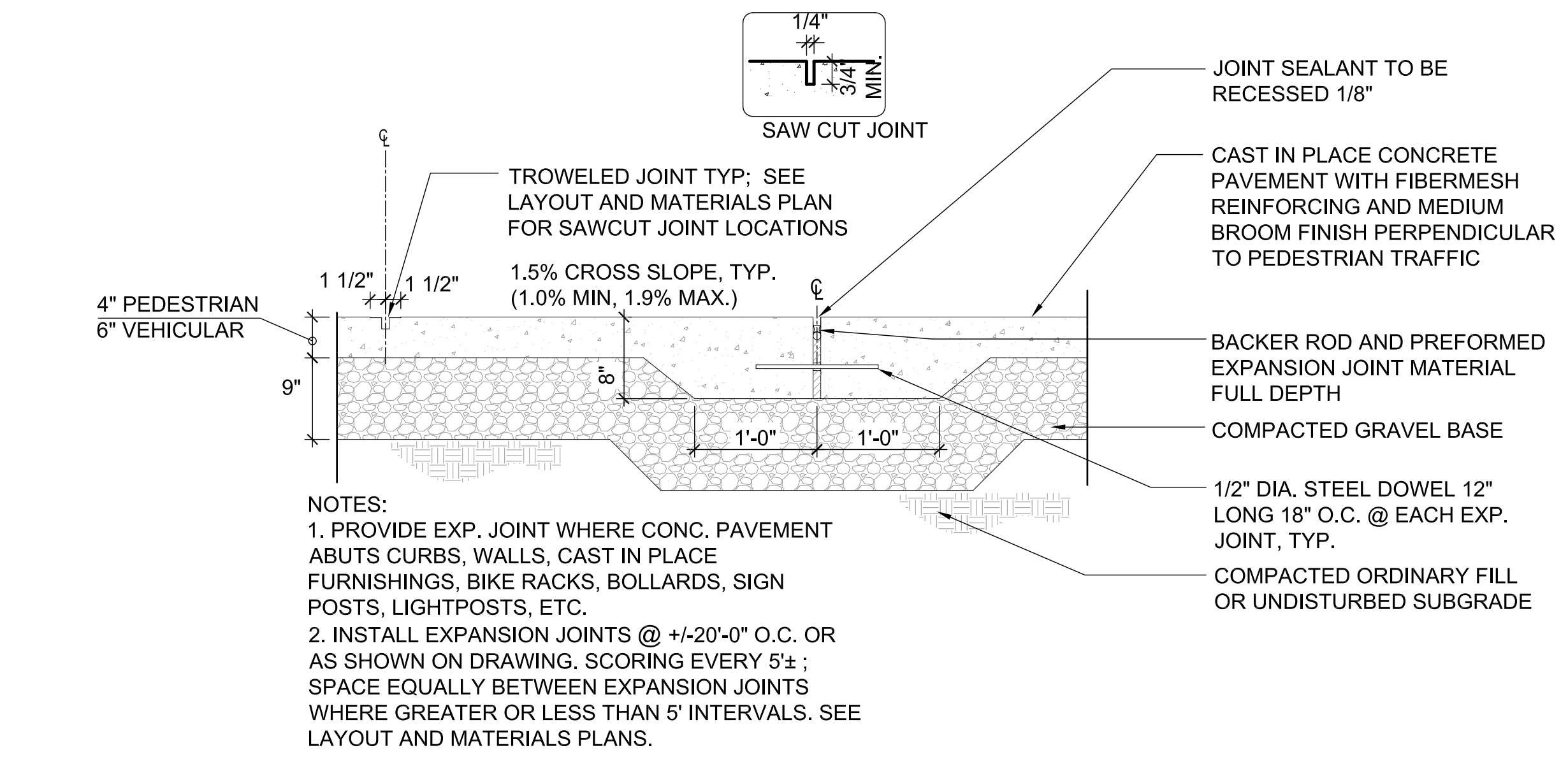


PLANTING LIST

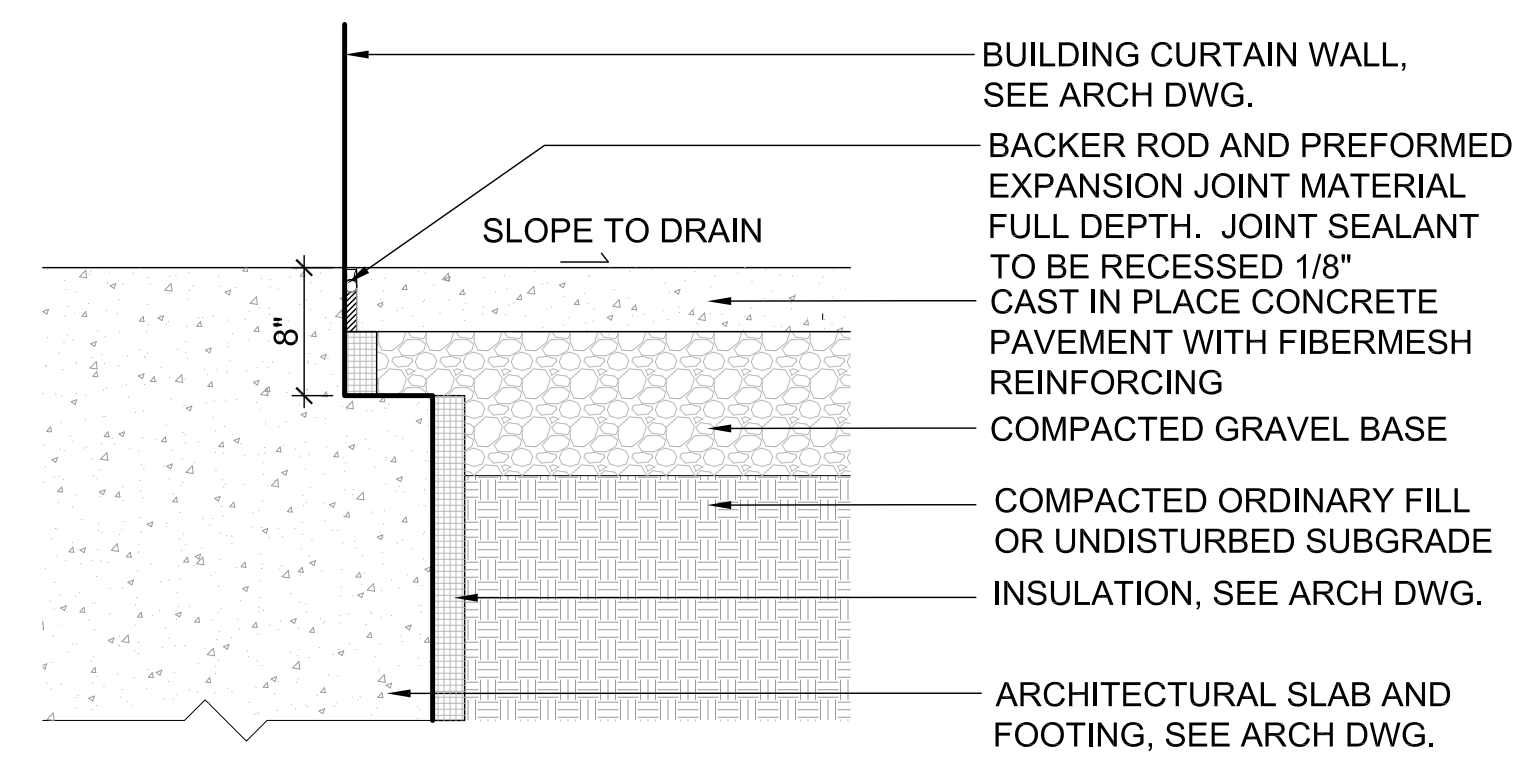
SYMBOL	BASE QNTY	ADD AL 11 QNTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
<b>TREES</b>							
	5	4	AB CO	Abies concolor	White Fir	10-12" Ht.	B&B
	23	25	AC RU	Acer rubrum 'October Glory'	October Glory Red Maple	3-3.5" Cal.	B&B; matched
	0	12	AM CA	Amelanchier canadensis 'Autumn Brilliance'	Autumn Brilliance Serviceberry	8-10" Ht	
	8	8	BE UT	Betula utilis 'Jacquemontii'	Himalayan White Birch	10-12" Ht	B&B; multi-stem
	9	14	CO KO	Cornus kousa	Japanese Dogwood	3-3.5" Cal.	B&B; matched
	26	13	GL TR	Gleditsia triacanthos 'Skyline'	Skyline Honeylocust	3-3.5" Cal.	B&B; matched
	12	9	PI DE	Picea glauca 'Densata'	Black Hills Spruce	8-10" Ht.	B&B; matched
	24	6	QU PA	Quercus palustris	Pin Oak	3-3.5" Cal.	B&B; matched
<b>SHRUBS</b>							
	5	72	Co al	Cornus alba 'Ivory Halo'	Ivory Halo Red-Twig Dogwood	42-48" Ht.	Cont.
	16		Co pe	Comptonia peregrina	Sweet Fern	5 gal.	Cont.
	27		Fo in	Fothergilla x intermedia 'Blue Shadow'	Blue Shadow Fothergilla	24-30" Ht.	Cont.
	20		Hy bb	Hydrangea macrophylla 'Blushing Bride'	Blushing Bride Hydrangea	7 gal.	Cont.
	16		Hy ts	Hydrangea macrophylla 'Twist and Shout'	Twist and Shout Hydrangea	5 gal.	Cont.
	19	34	Hy qu	Hydrangea quercifolia 'Pee Wee'	Pee Wee Hydrangea	5 gal.	Cont.
	83	17	It vi	Itea virginica 'Henry's Garnet'	Henry's Garnet Sweetspire	24-30" Ht.	Cont., 36" O.C.
	37		Ix gl	Ilex Glabra 'Shamrock'	Inkberry	5 gal.	Cont.
	1		Ix jd	Ilex verticillata 'Jim Dandy'	Jim Dandy Winterberry	30-36" Ht.	Cont.
	4	16	Ix rs	Ilex verticillata 'Red Sprite'	Red Sprite Winterberry	30-36" Ht.	Cont.
		46	Ka et	Kalmia latifolia 'Elf'	Elf Mountain Laurel	5 gal.	Cont.
	5		Ka la	Kalmia latifolia 'Sarah'	Sarah Mountain Laurel	7 gal.	Cont.
	58	18	My pe	Myrica pensylvanica 'Bobzam'	Bobee Northern Bayberry	24-30" Ht.	Cont., 60" O.C.
	217	40	Rh ar	Rhus aromatica 'Gro-low'	Gro-low sumac	18-24" Ht.	Cont., 36" O.C.
	3		Rh ma	Rhododendron maximum	Rose-bay Rhododendron	30-36" Ht.	Cont.
	11		Rh va	Rhododendron vaseyi	Pink-shell Azalea	30-36" Ht.	Cont.
	49	15	Sp ja	Spiraea japonica 'Little Princess'	Little Princess Spirea	18-24" Ht.	Cont.
		19	Ta ba	Taxus baccata 'Repens'	Spreading Yew	30-36" Ht.	Cont.
	7		Vi ca	Viburnum carlesii 'Compactum'	Korean Spice Viburnum	30-36" Ht.	Cont.
	9		Vi pi	Viburnum plicatum 'Summer Snowflake'	Summer Snowflake Viburnum	48-60" Ht.	Cont.
<b>PERENNIALS, GRASSES AND GROUNDCOVER</b>							
	41	50	al mo	Alchemilla mollis	Lady's Mantle	1 gal.	18" O.C.
	132		as ca	Asarum canadense	Wild Ginger	1 gal.	12" O.C.
	52		as ja	Astilbe japonica 'Deutschland'	Astilbe - White	1 gal.	10" O.C.
	65		as ch	Astilbe chinensis 'Visions in Pink'	Astilbe - Pink	1 gal.	18" O.C.
	8		as la	Aster laevis 'Blue Bird'	Smooth Aster	1 gal.	18" O.C.
	118		at fi	Athyrium filix-femina 'Lady in Red'	Lady Fern	1 gal.	18" O.C.
	21		at ni	Athyrium niponicum 'Godzilla'	Painted Fern	1 gal.	12" O.C.
	16		ba so	Baptisia 'Solar Flare Prairieblues'	False Indigo	1 gal.	18" O.C.
	24		bo gr	Bouteloua gracilis 'Blonde Ambition'	Blonde Mosquito Grass	1 gal.	15" O.C.
	65	175	de ce	Deschampsia cespitosa 'Goldtau'	Tufted Hair Grass	1 gal.	18" O.C.
	20	25	ec ch	Echinacea 'Cheyenne Spirit'	Cayenne Spirit Coneflower	1 gal.	18" O.C.
	13		er bl	Eryngium 'Big Blue'	Sea Holly	1 gal.	18" O.C.
	28		eu du	Eutrochium dubium 'Little Joe'	Little Joe Pye Weed	1 gal.	18" O.C.
	60		ga od	Galium odoratum	Sweet Woodruff	1 gal.	12" O.C.
	35		ge sa	Geranium sanfranciscense 'New Hampshire Purple'	New Hampshire Purple Cranesbill	1 gal.	18" O.C.
	16		he mo	Helenium 'Moerheim Beauty'	Helen's Flower	1 gal.	18" O.C.
	12		he ic	Helleborus 'Ice Breaker Polo'	Lenton Rose	1 gal.	15" O.C.
	30		he ob	Heuchera 'Obsidian'	Obsidian Heuchera	1 gal.	12" O.C.
	5		ho ch	Hosta 'Cherryberry'	Cherry Berry Hosta	1 gal.	15" O.C.
	6		ho su	Hosta 'Sum and Substance'	Sum and Substance Hosta	1 gal.	24" O.C.
	87		ma st	Matteuccia struthiopteris 'Jumbo'	Ostrich Fern	1 gal.	18" O.C.
	25		ir en	Iris ensata 'Good Omen'	Japanese Iris	1 gal.	12" O.C.
	53	44	ne ju	Nepeta 'Junior Walker'	Catmint	1 gal.	18" O.C.
	50	102	pa vi	Panicum virgatum 'Shenadoah'	Shenadoah Switch Grass	1 gal.	18" O.C.
	17		pe di	Penstemon digitalis 'Husker Red'	Husker Red Beardtongue	1 gal.	18" O.C.
	12		pe at	Perovskia atriplicifolia 'Peek-A-Blue'	Russian Sage	1 gal.	18" O.C.
	38		po fa	Polygonatum falcatum 'Variegatum'	Variegated Solomon Seal	1 gal.	18" O.C.
	17	18	sa ve	Salvia verticillata 'Purple Rain'	Whorled Sage	1 gal.	18" O.C.
	15		se pu	Sedum 'Purple Emperor'	Purple Stonecrop	1 gal.	18" O.C.
	19	7	se sp	Sedum spurium 'Voodoo'	Voodoo Stonecrop	1 gal.	18" O.C.



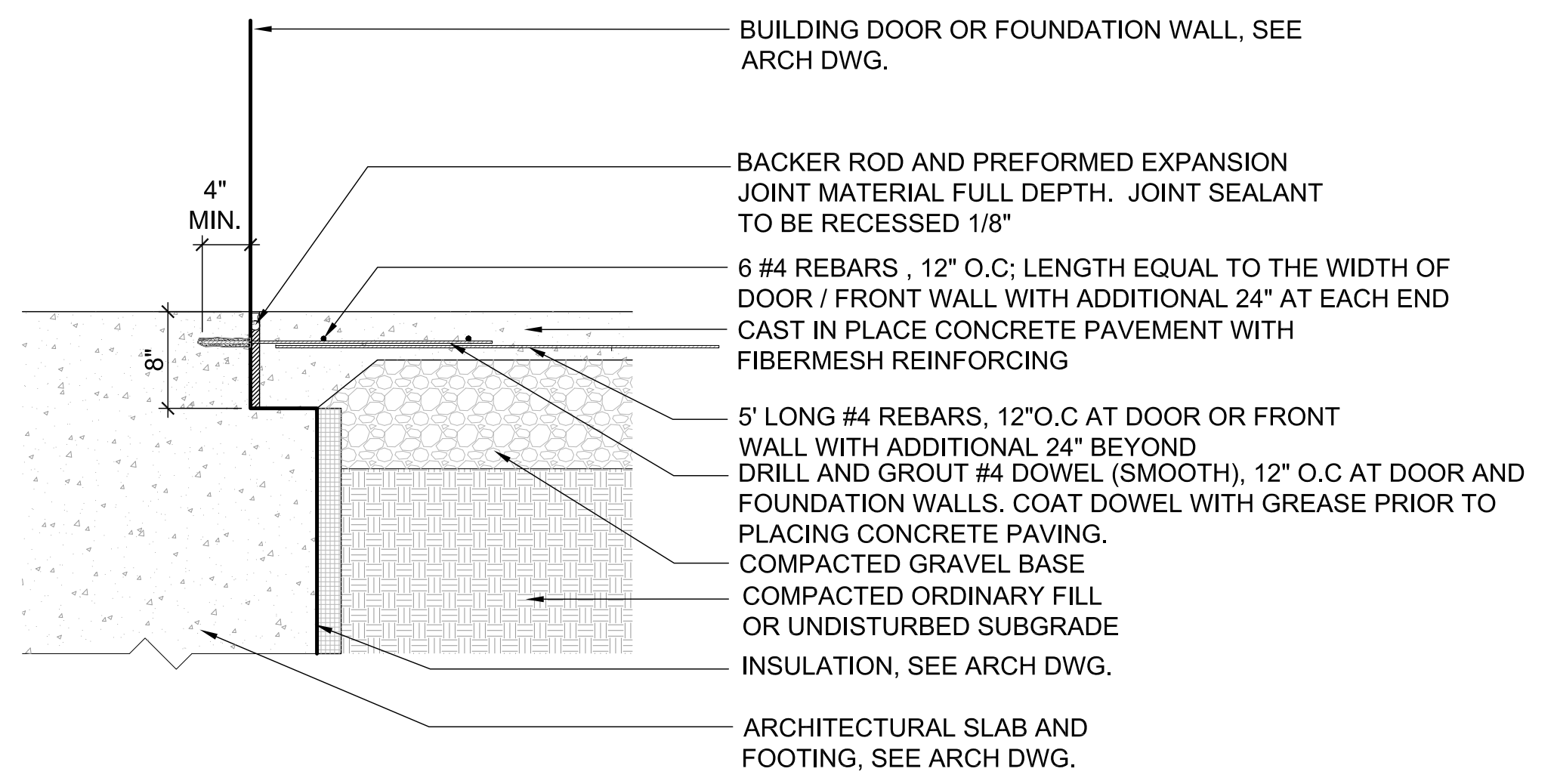
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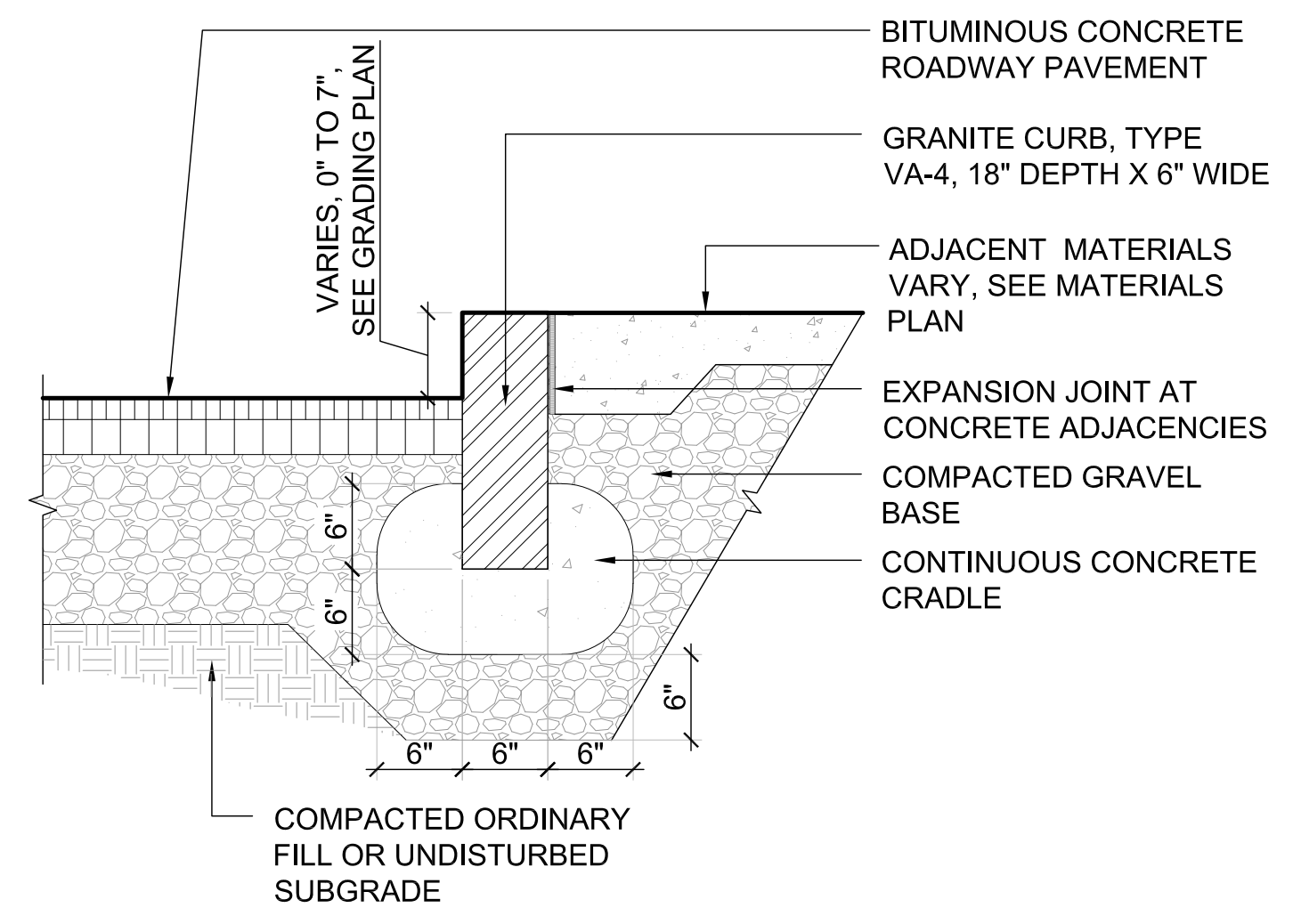
**1** POURED IN PLACE CONCRETE PAVING  
Scale: 1"=1'-0"



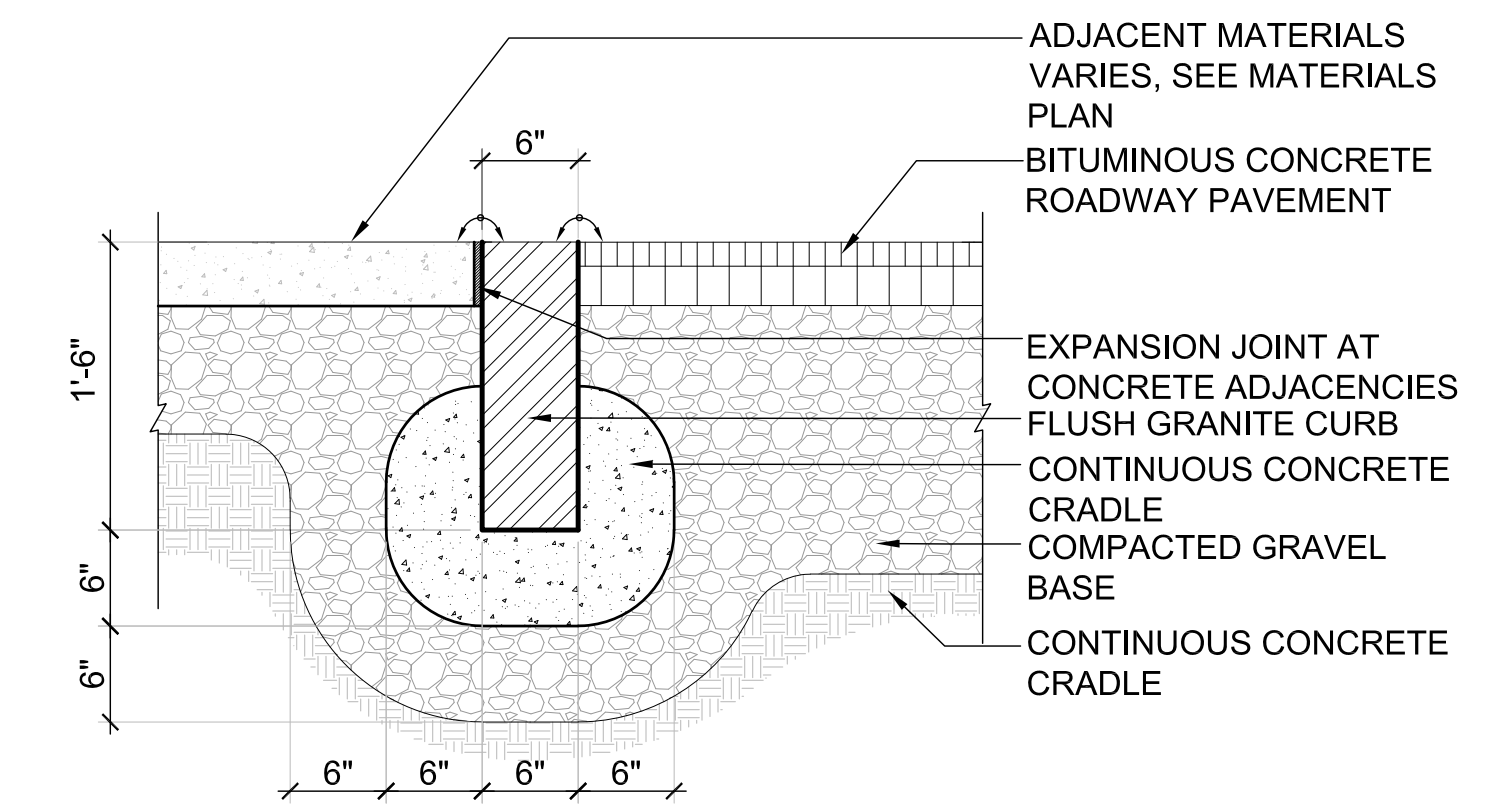
**2** CONCRETE PAVING ABUT CURTAIN WALL  
Scale: 1"=1'-0"



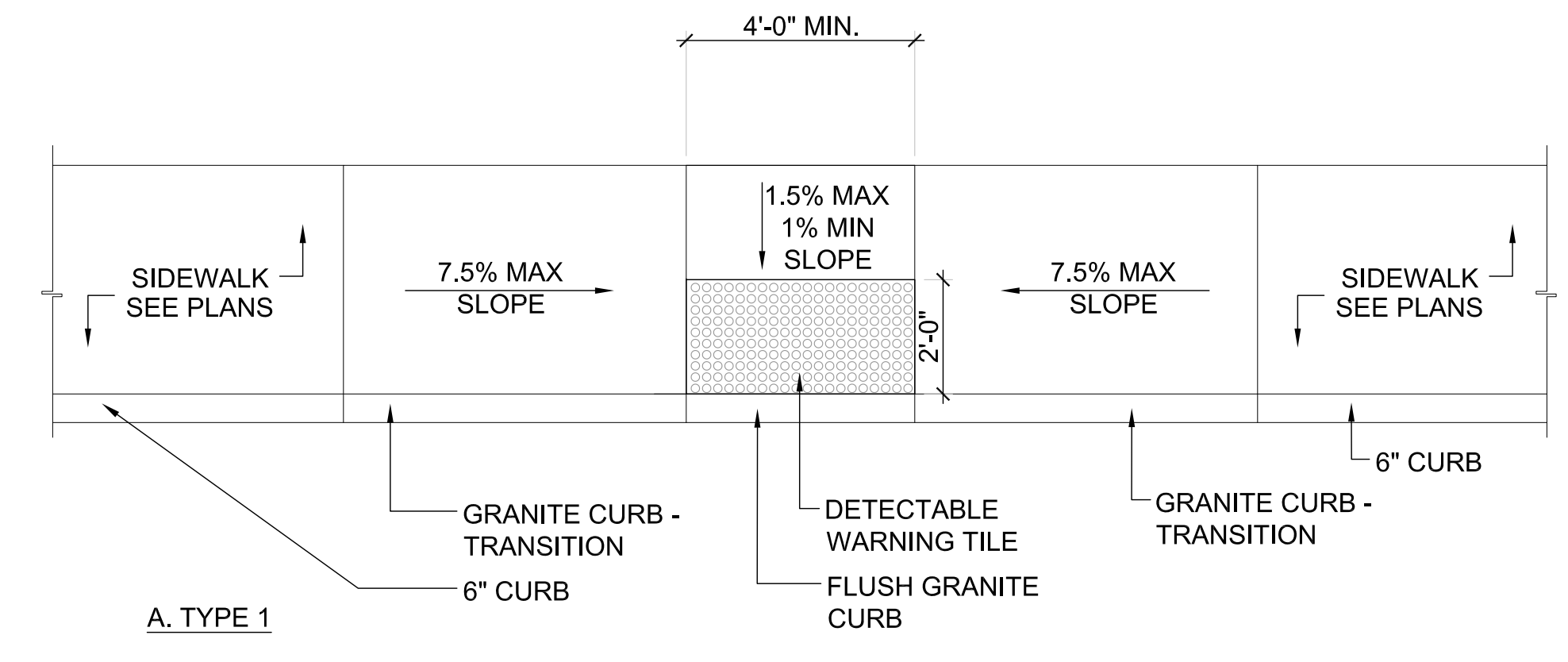
**3** REINFORCED CONCRETE PAVING ABUT DOOR  
Scale: 1"=1'-0"



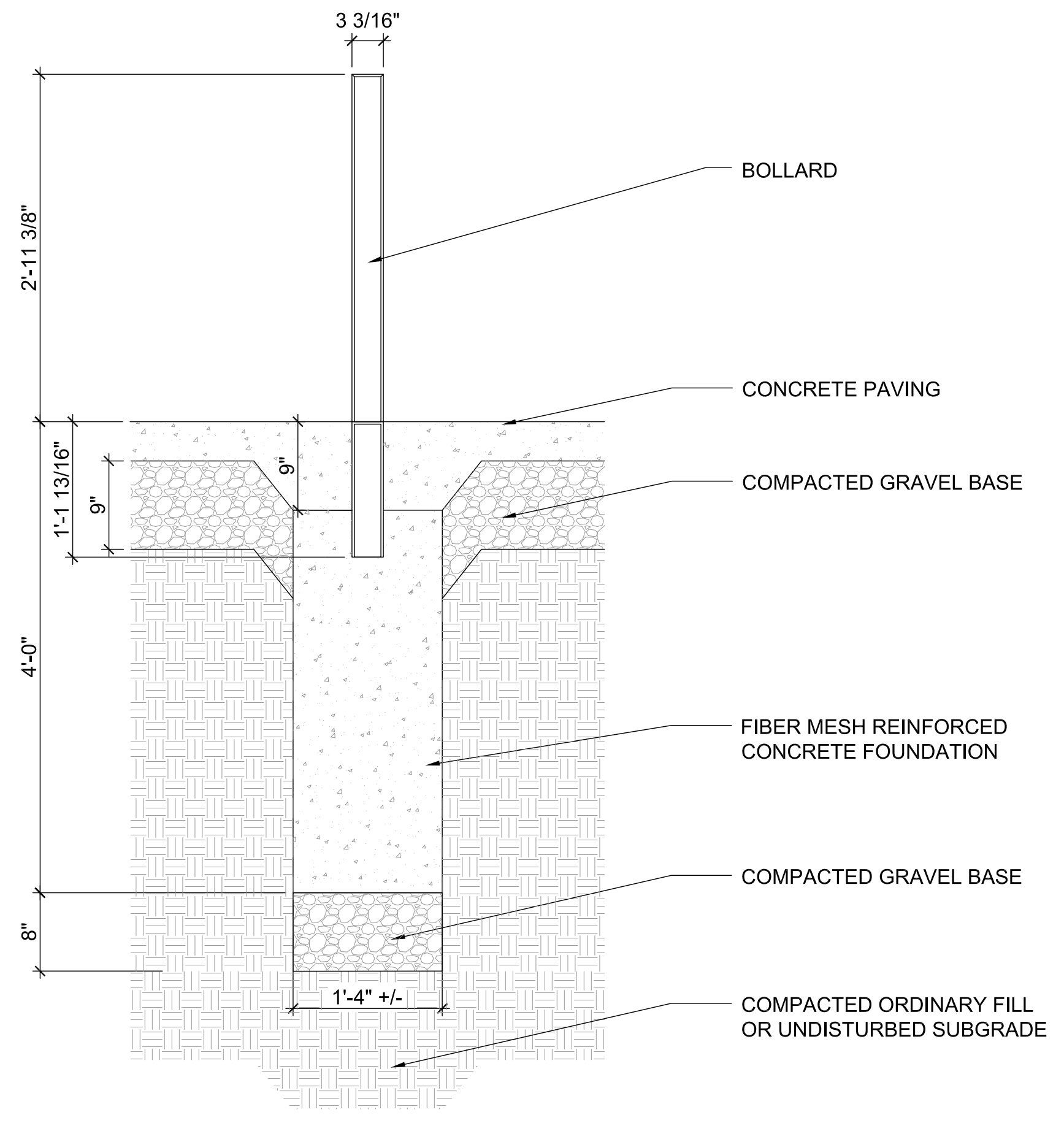
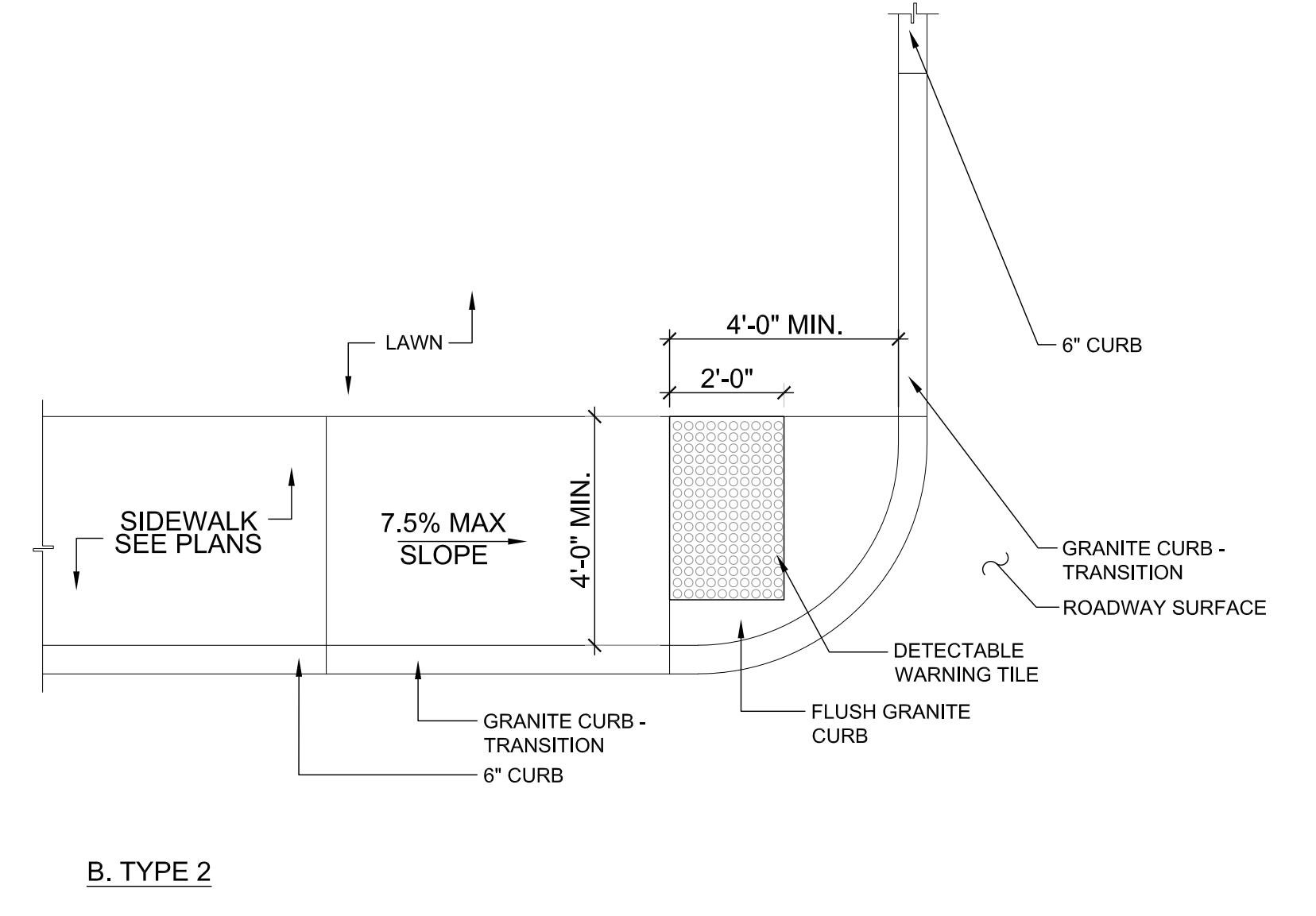
**4** GRANITE CURB  
Scale: 1"=1'-0"



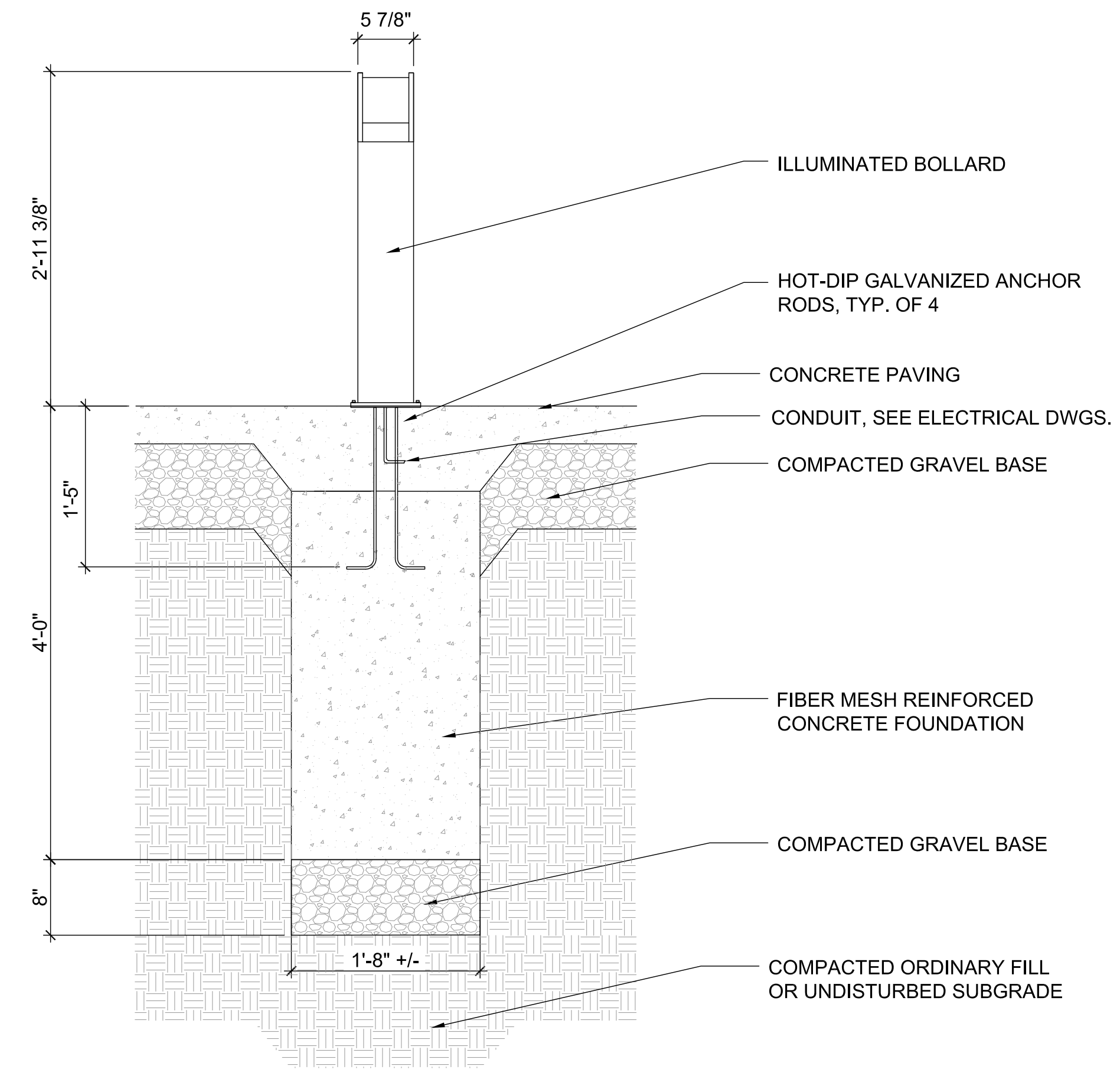
**5** FLUSH GRANITE CURB  
Scale: 1"=1'-0"



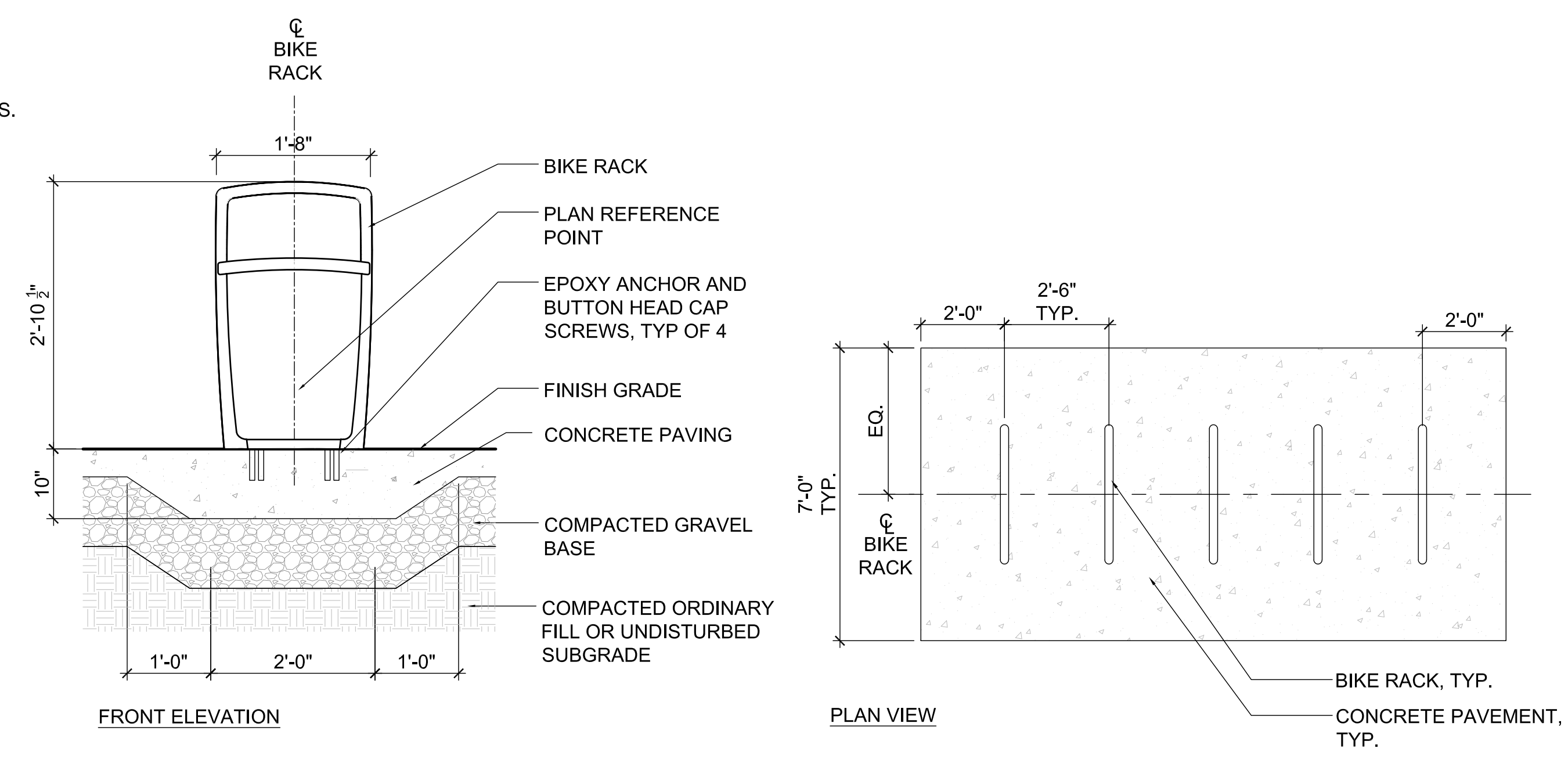
**6** CURB RAMP  
Scale: 3/8"=1'-0"



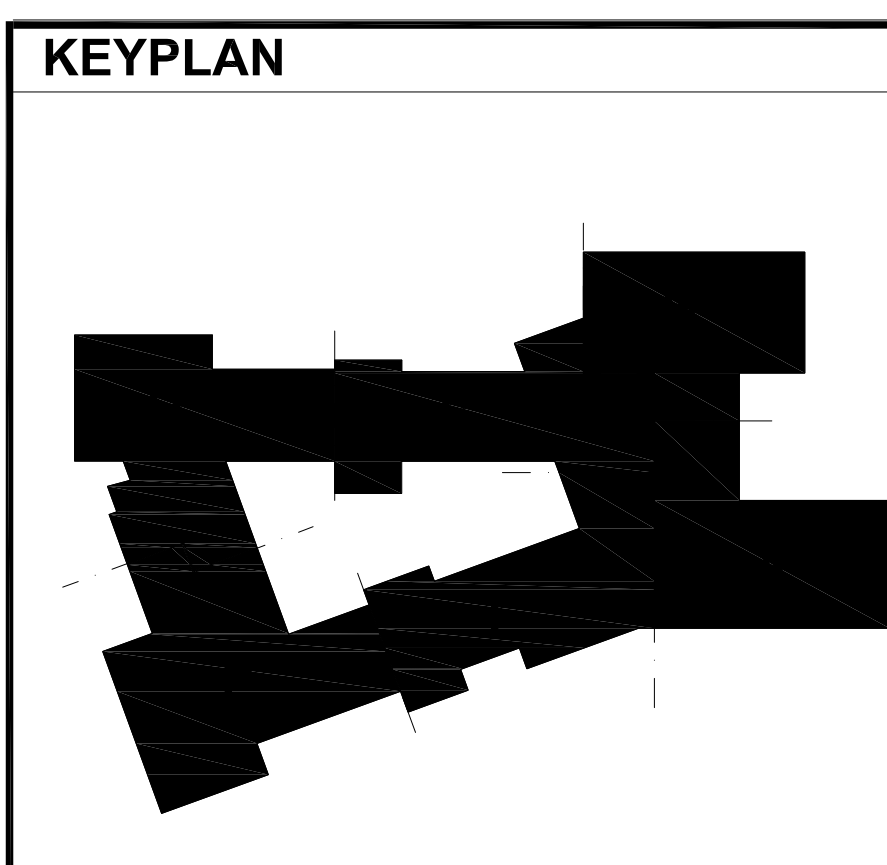
**7** BOLLARD  
Scale: 1"=1'-0"



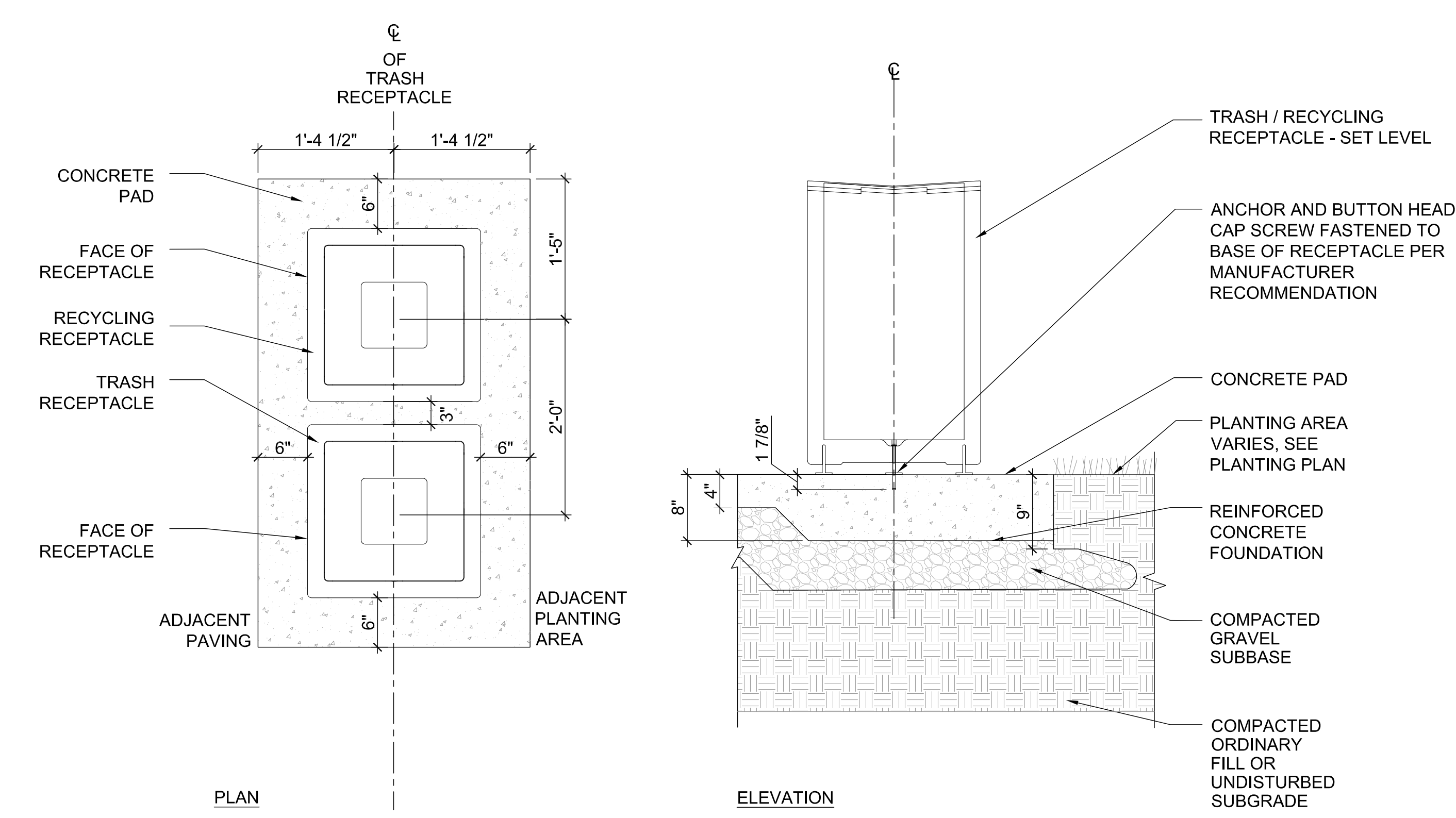
**8** ILLUMINATED BOLLARD  
Scale: 1"=1'-0"



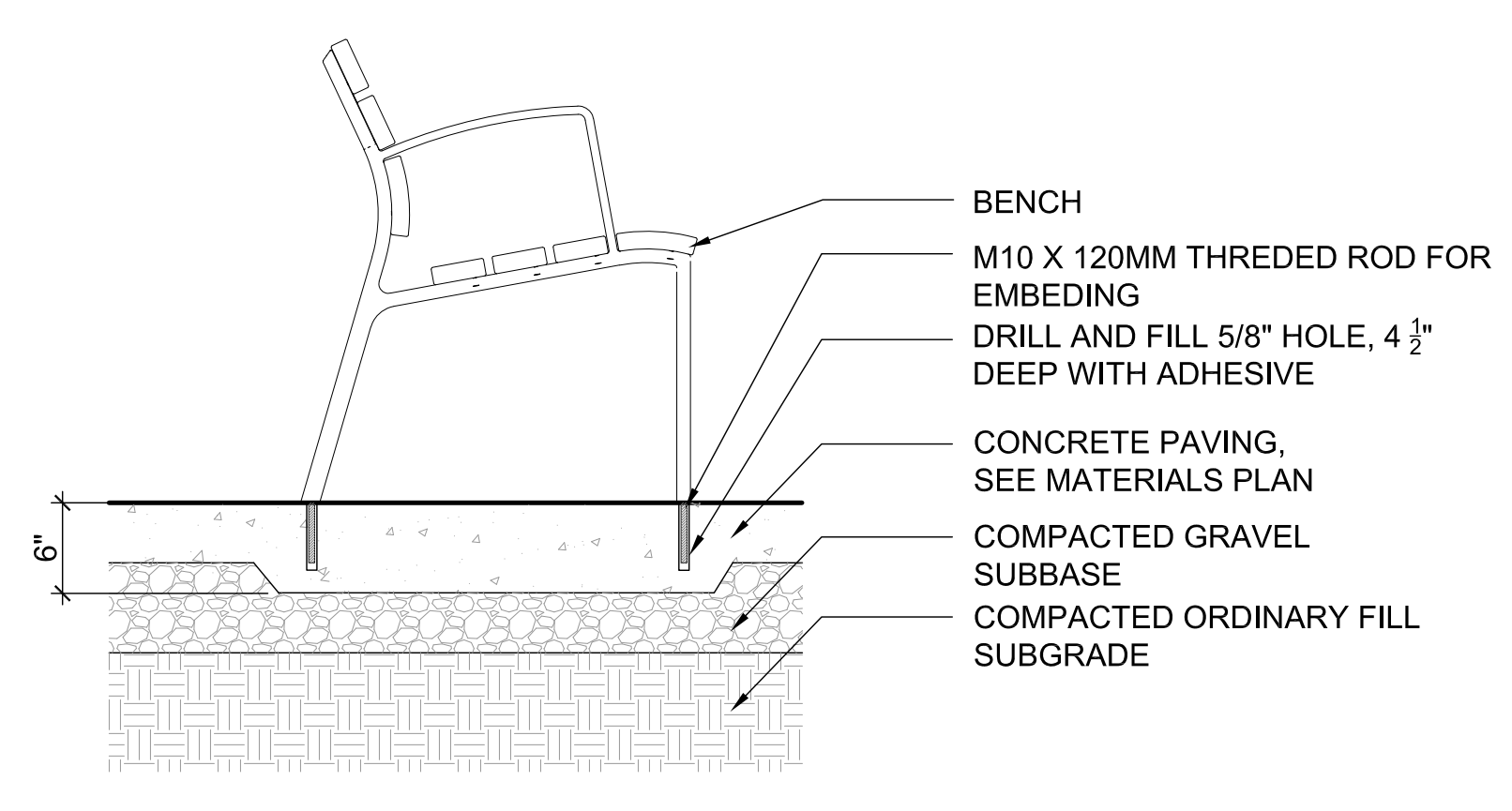
**9** BIKE RACK  
Scale: 3/4"=1'-0"



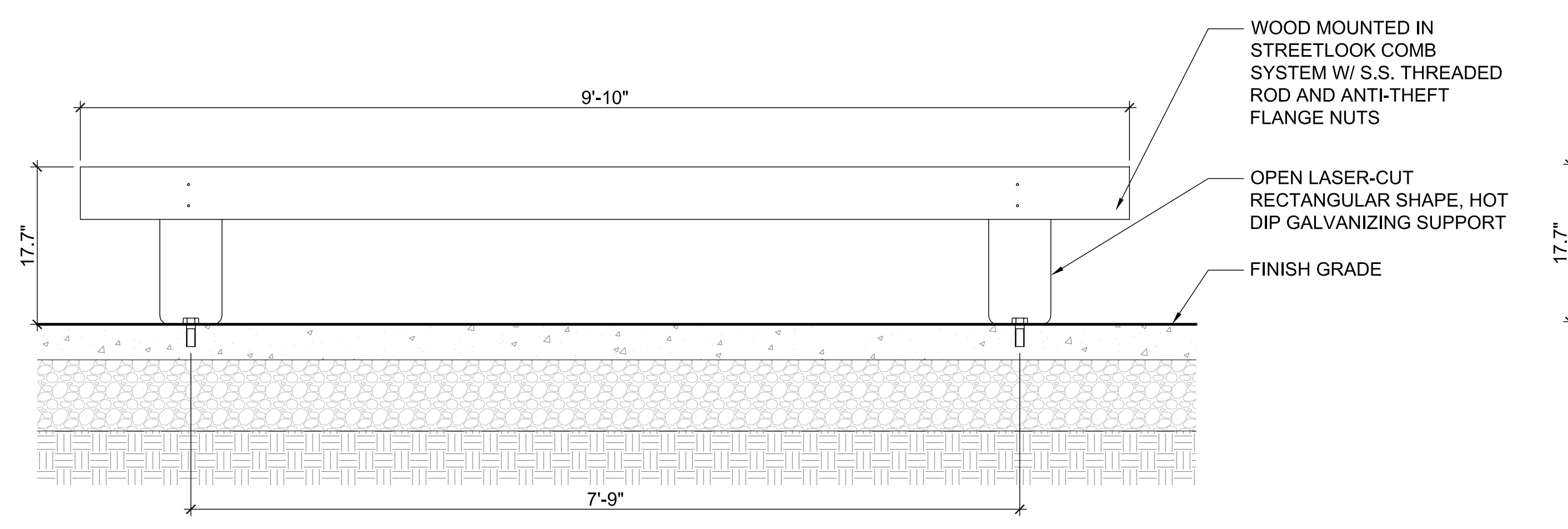
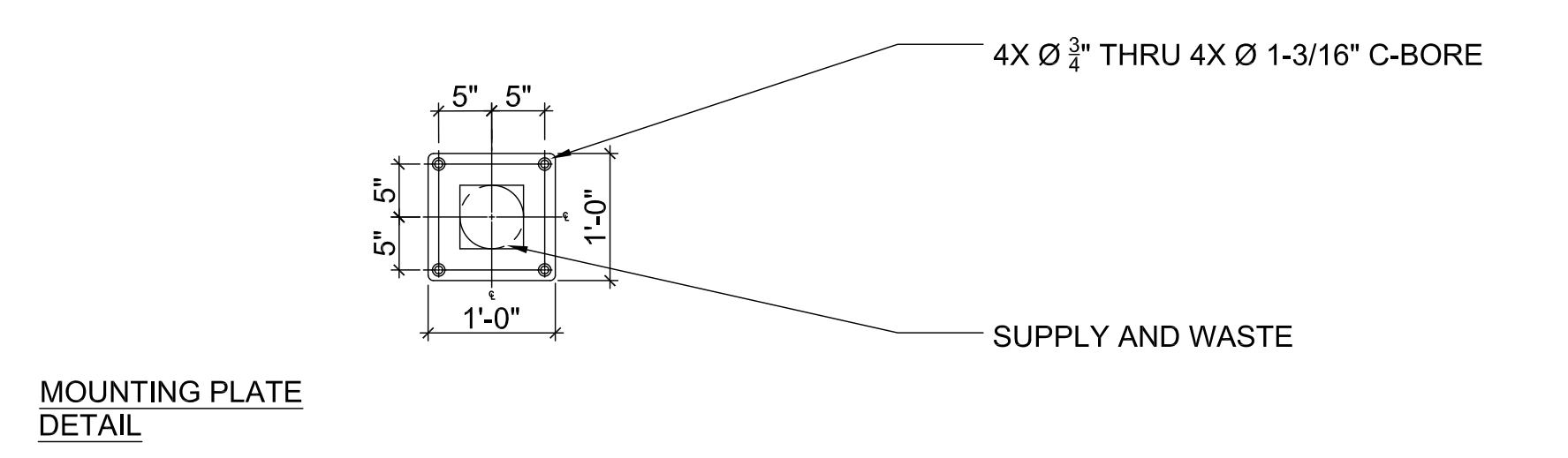
REVISIONS NO.	DATE	REMARKS	BY



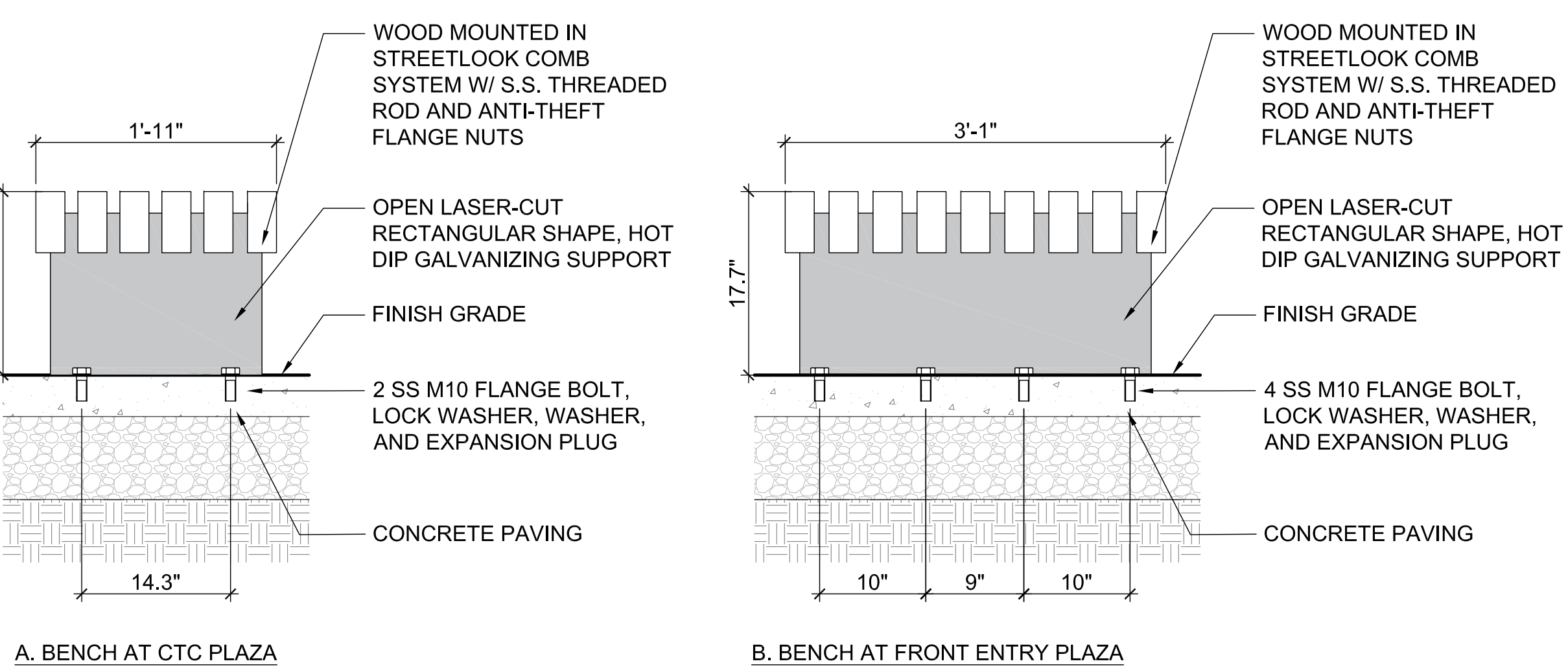
**1 TRASH AND RECYCLE RECEPTACLES**  
Scale: 1"=1'-0"



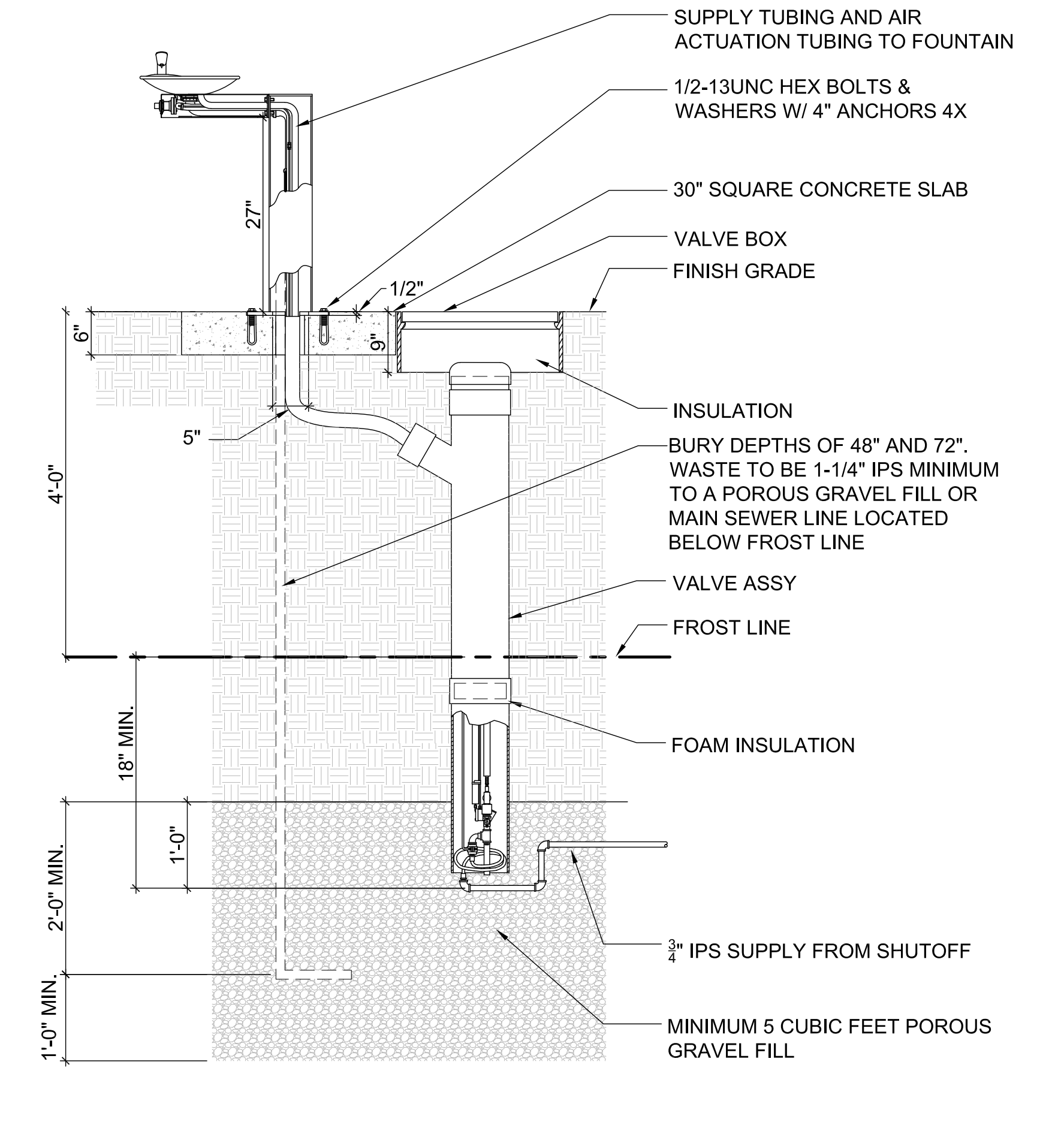
**2 BENCH AT COURTYARD**  
Scale: 1"=1'-0"



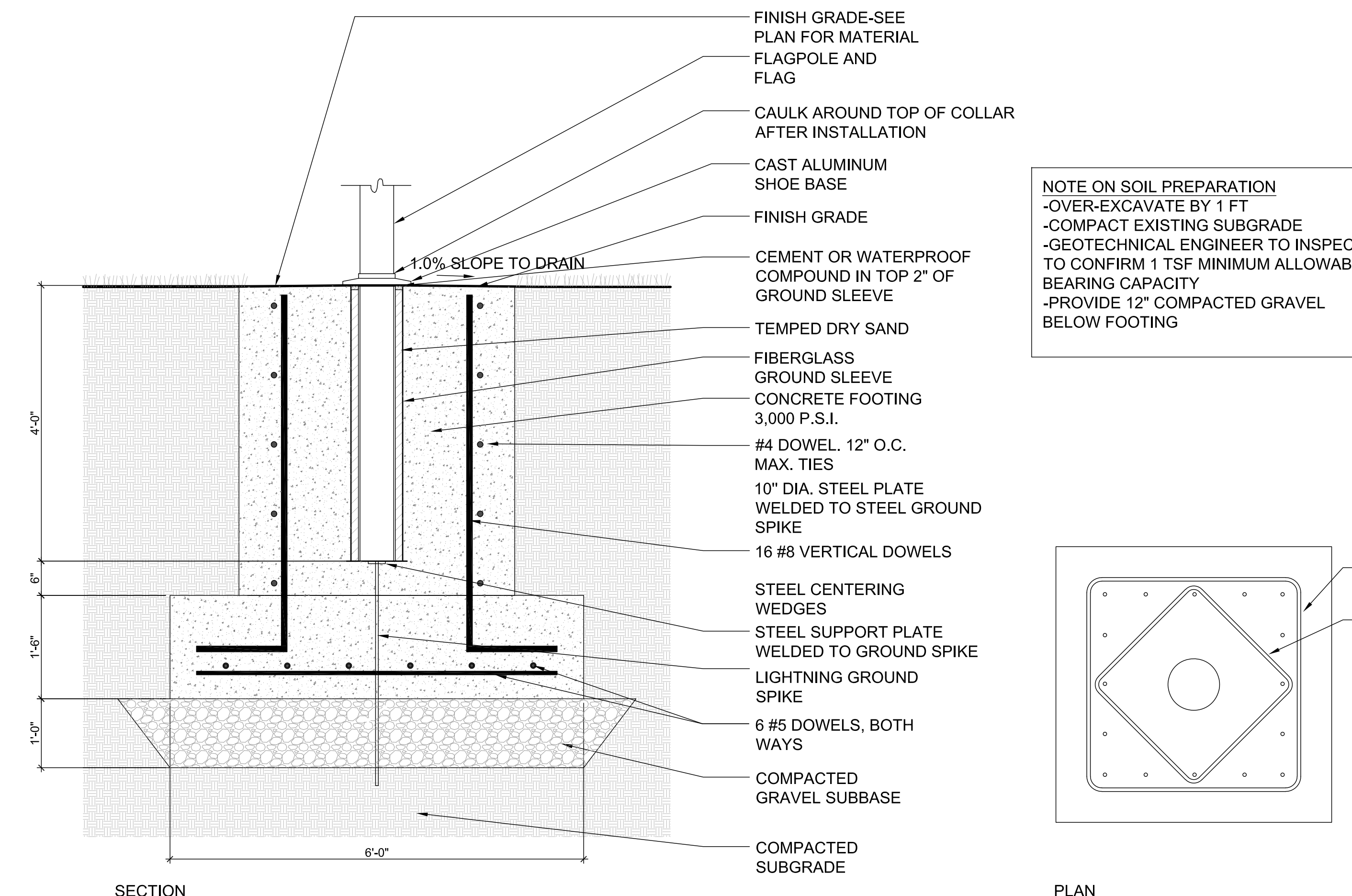
**3 BENCH - 118"L**  
Scale: 1"=1'-0"



A. BENCH AT CTC PLAZA  
B. BENCH AT FRONT ENTRY PLAZA

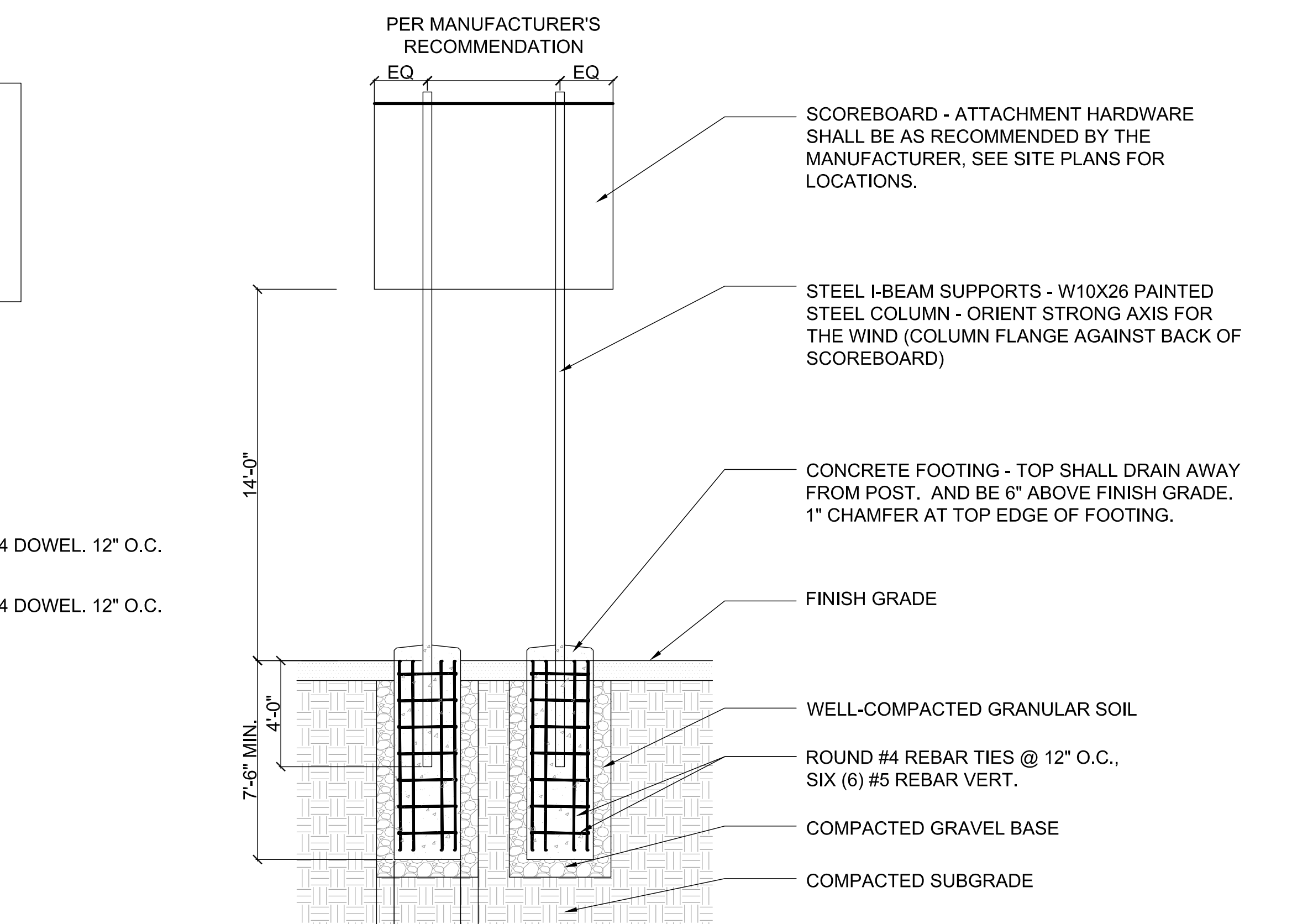


**6 DRINKING FOUNTAIN**  
Scale: 3/4"=1'-0"



**4 FLAGPOLE FOOTING**  
Scale: 3/4"=1'-0"

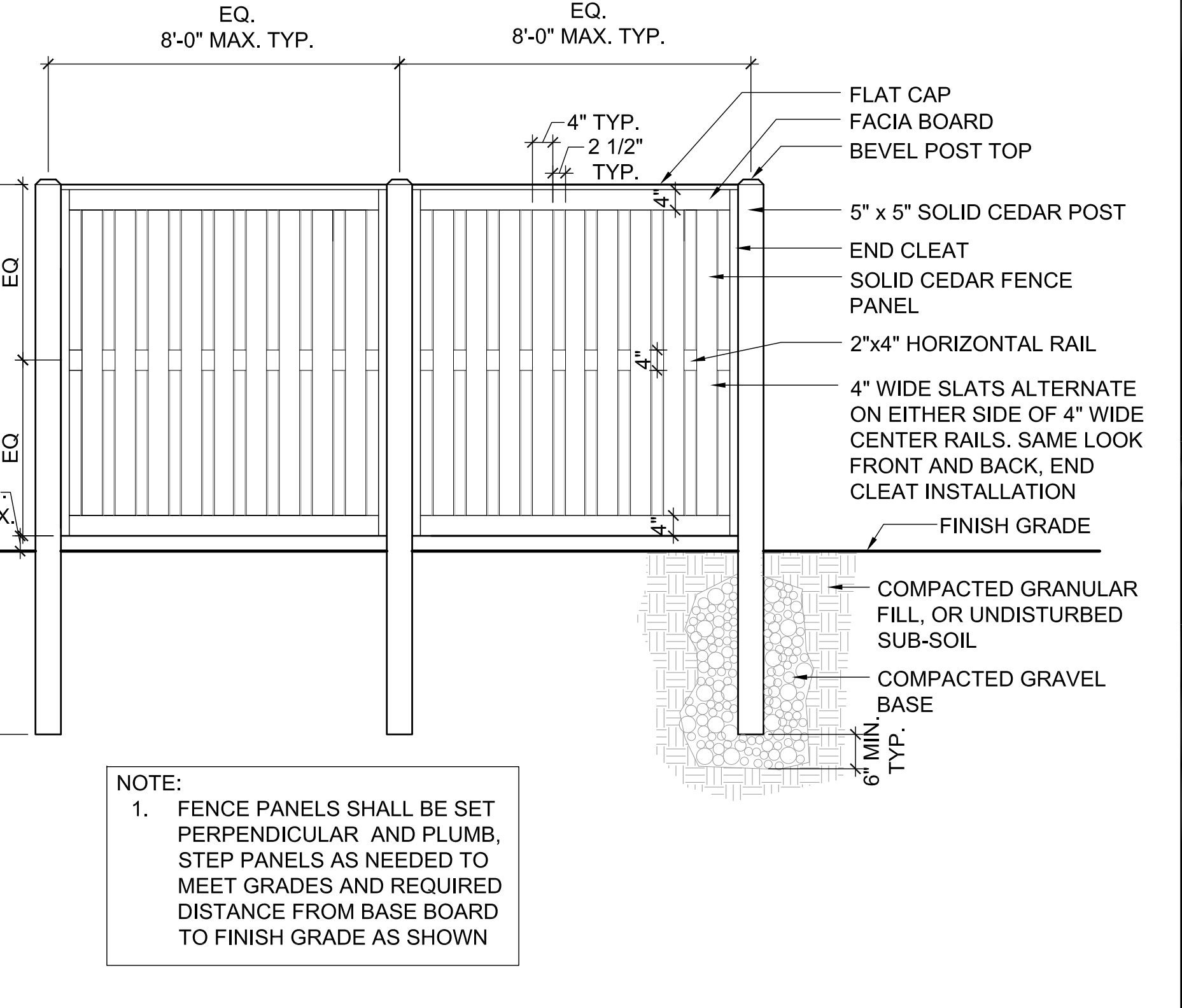
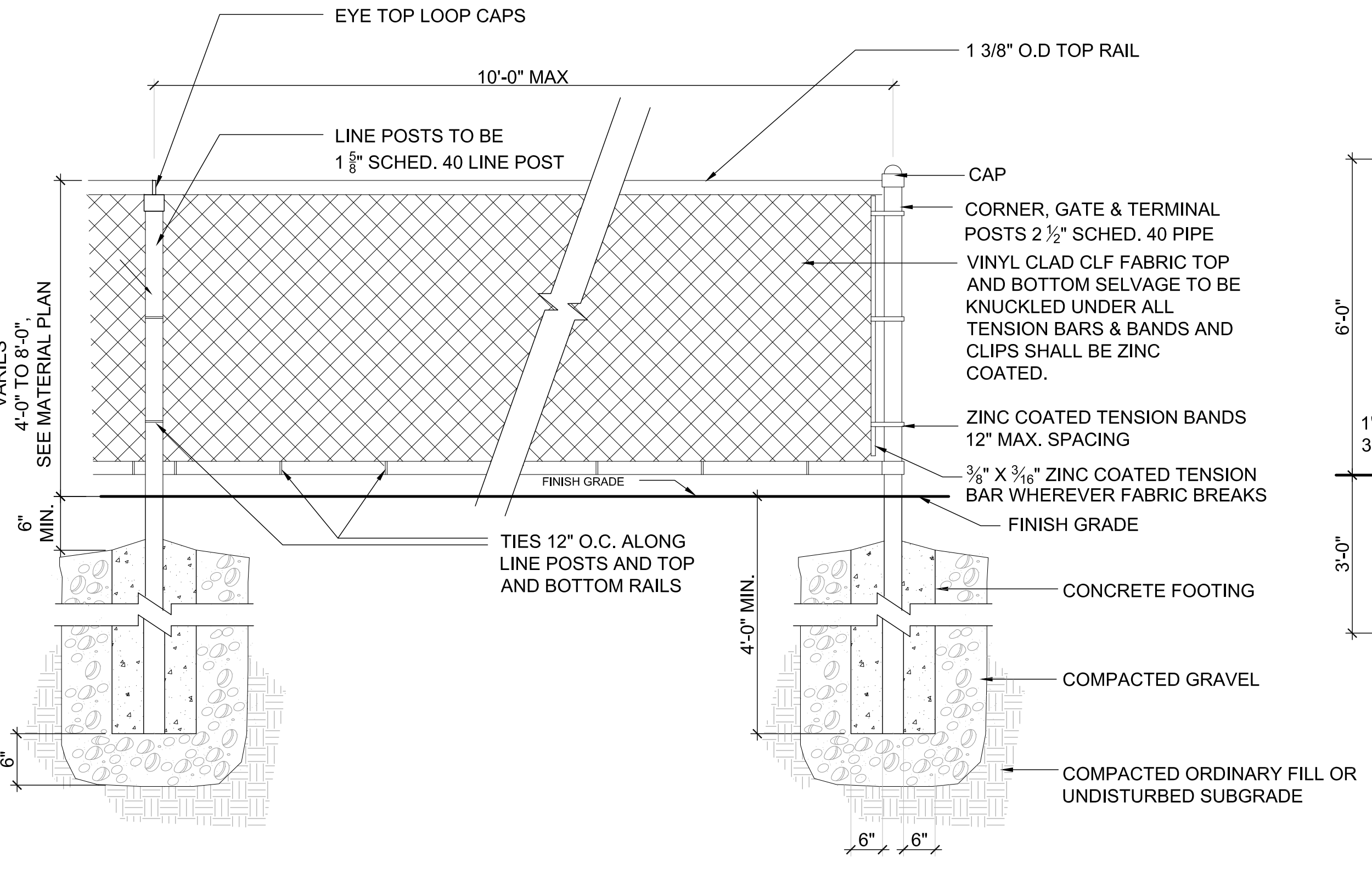
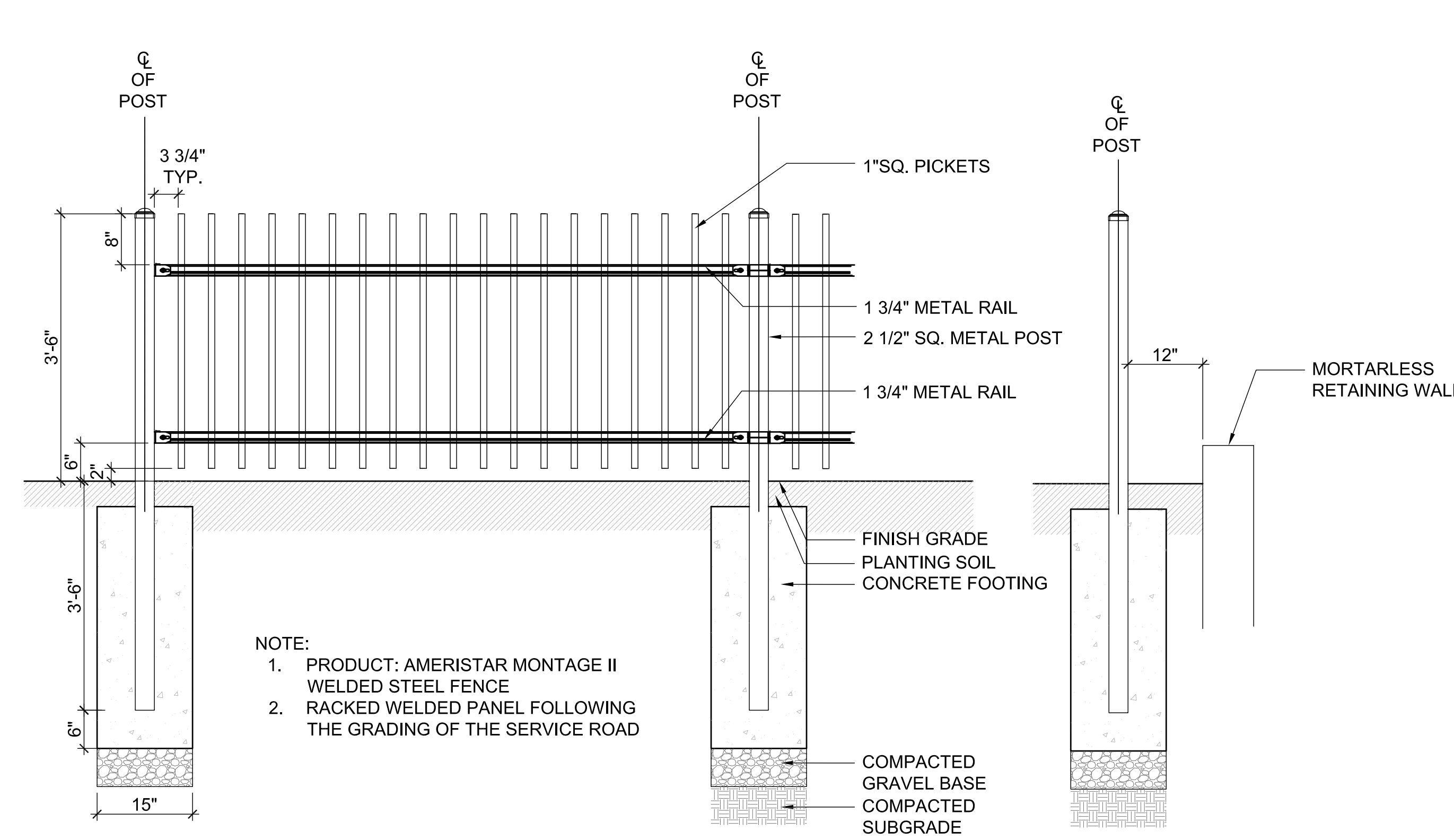
**NOTE ON SOIL PREPARATION**  
-OVER-EXCAVATE BY 1 FT  
-COMPACT EXISTING SUBGRADE  
-GEOTECHNICAL ENGINEER TO INSPECT TO CONFIRM 1 TSF MINIMUM ALLOWABLE BEARING CAPACITY  
-PROVIDE 12" COMPACTED GRAVEL BELOW FOOTING



**5 SCOREBOARD (ADD ALT9 AND ALT 10)**  
Scale: 1/4"=1'-0"

**KEYPLAN**

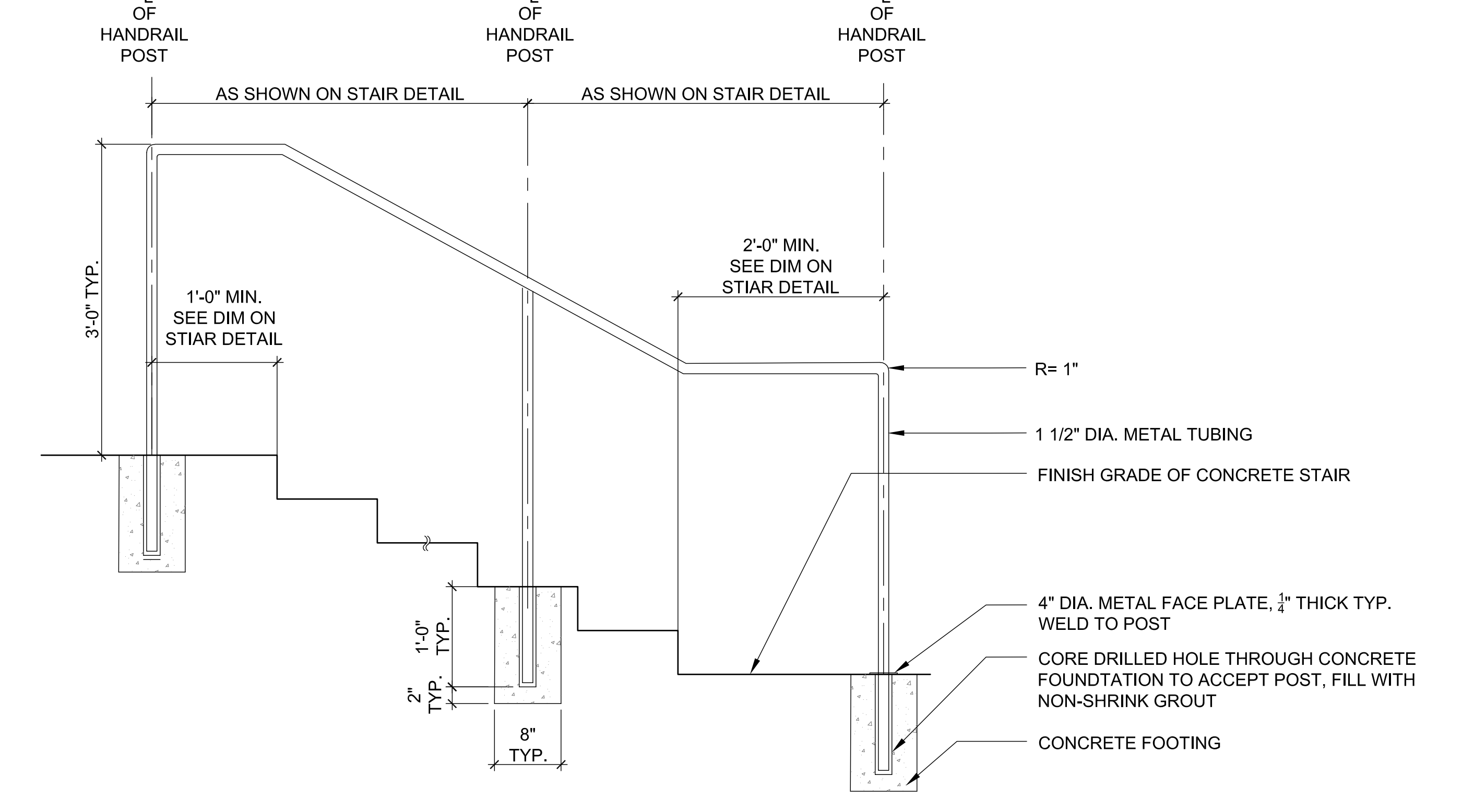
REVISIONS NO.	DATE	REMARKS	BY



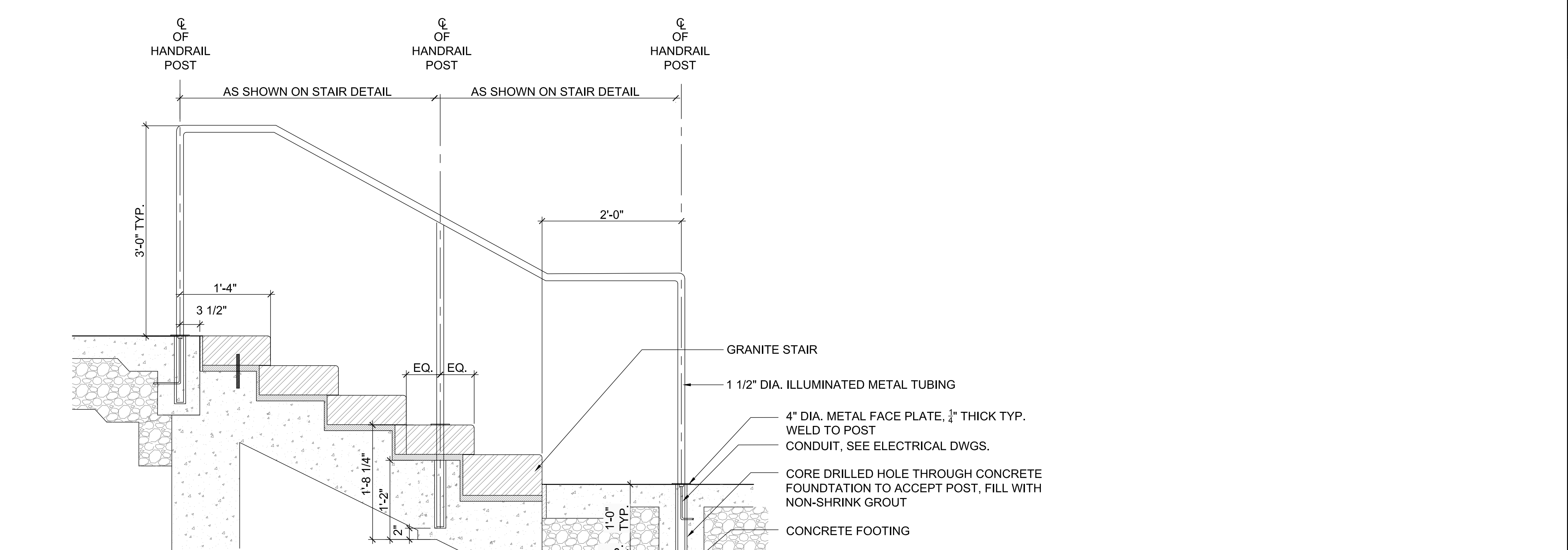
**1** WELDED ORNAMENTAL STEEL FENCE  
Scale: 3/4" = 1'-0"

**2** CHAIN LINK FENCE  
Scale: 1" = 1'-0"

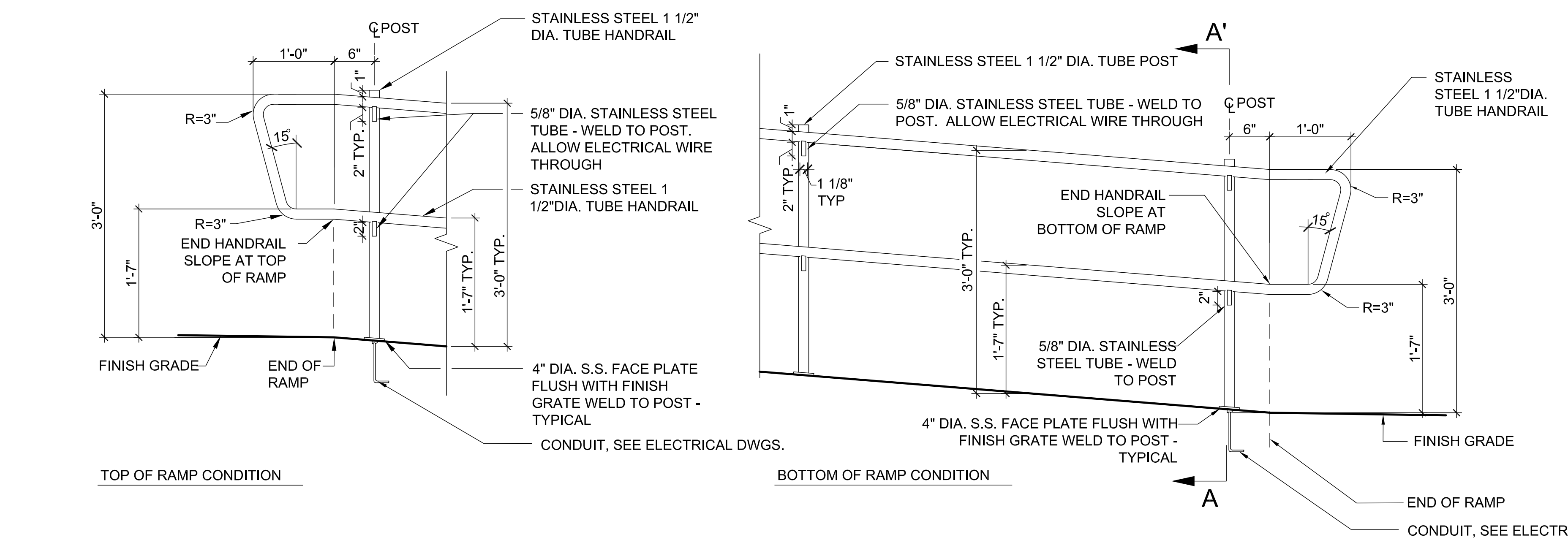
**3** WOOD SCREEN FENCE  
Scale: 1/2" = 1'-0"



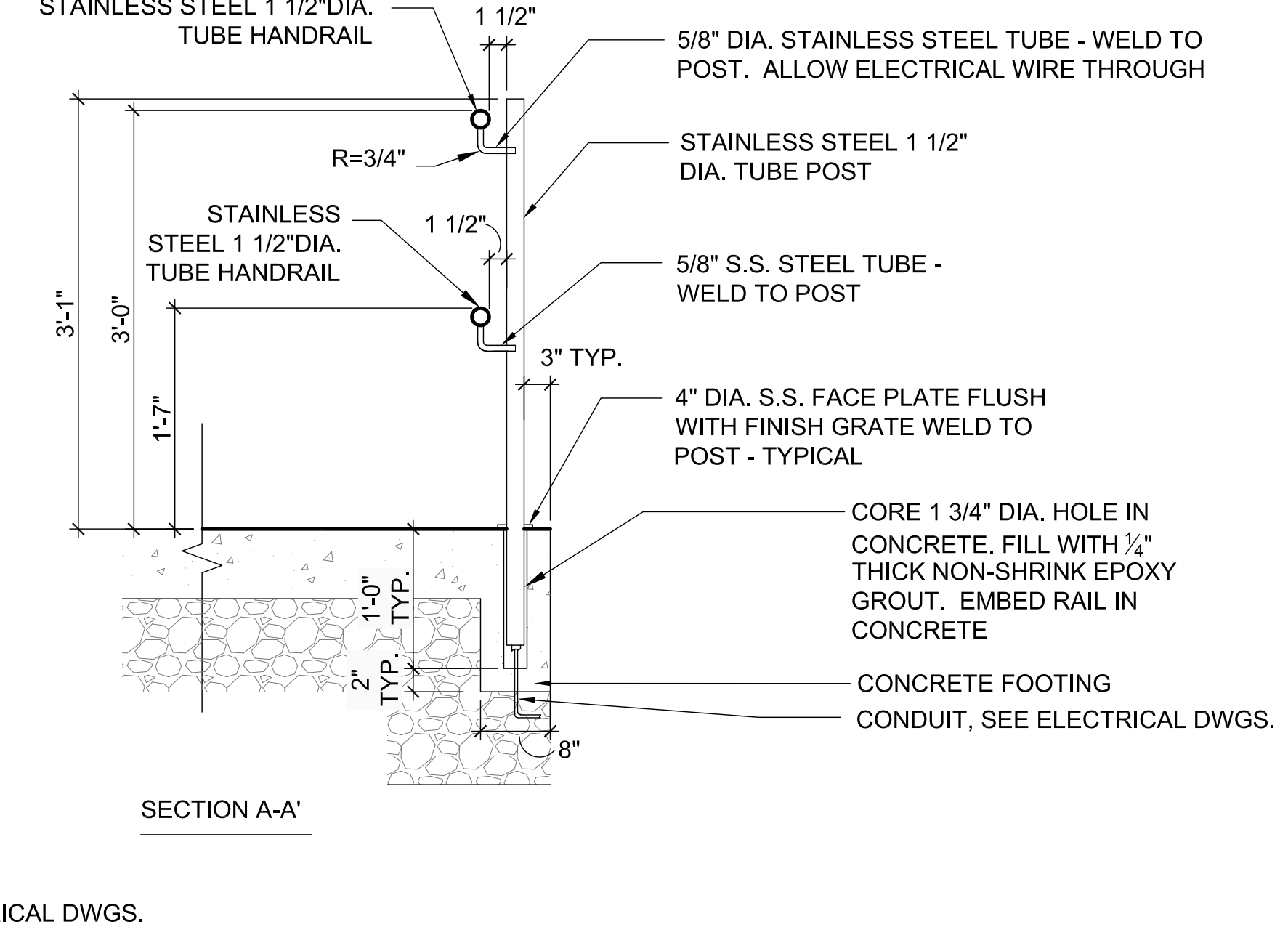
**4** METAL HANDRAIL ON CONCRETE STAIR  
Scale: 1" = 1'-0"



**5** ILLUMINATED METAL HANDRAIL ON STAIR  
Scale: 1" = 1'-0"

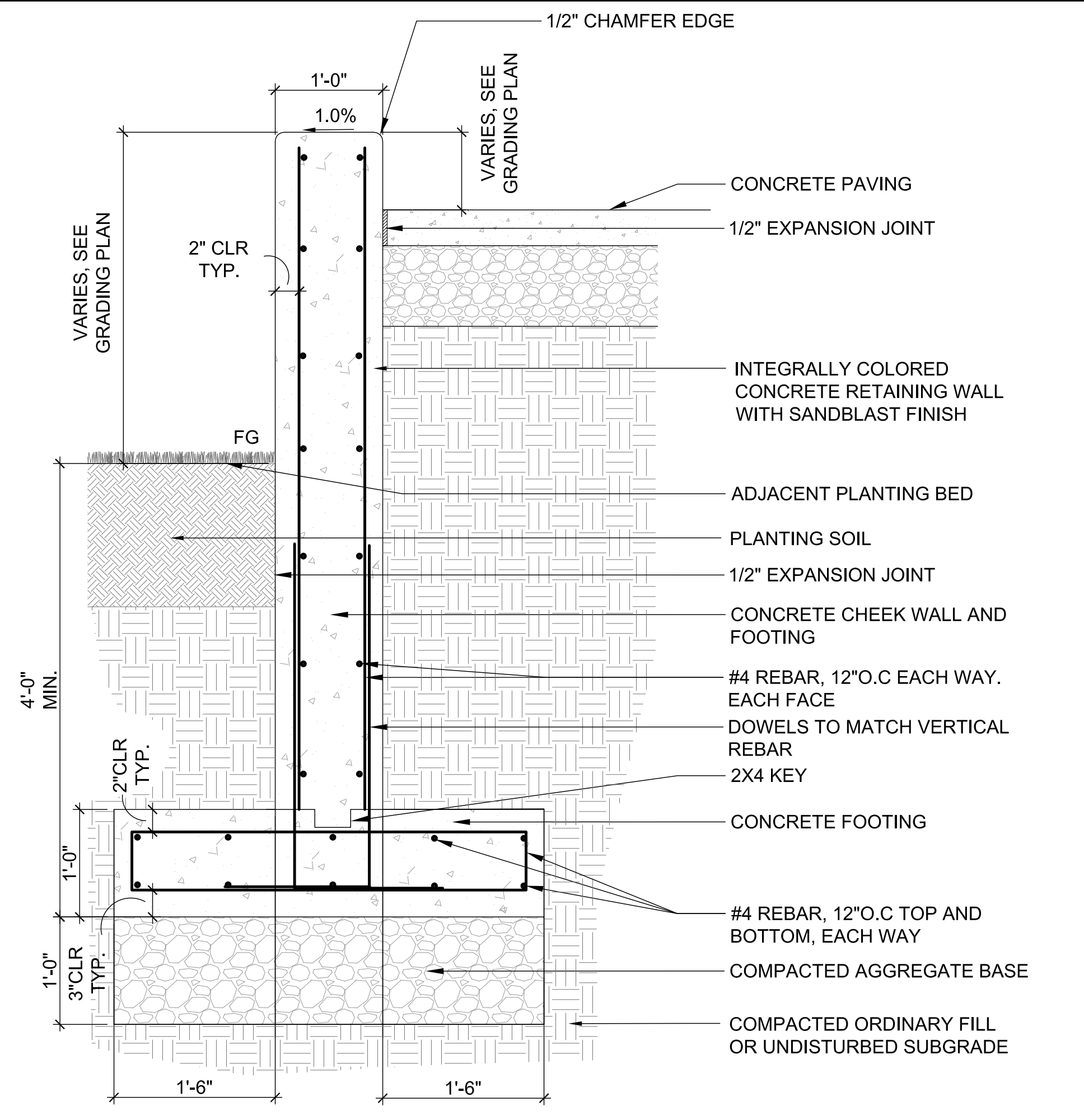


**6** ILLUMINATED METAL HANDRAIL ON RAMP  
Scale: 1" = 1'-0"



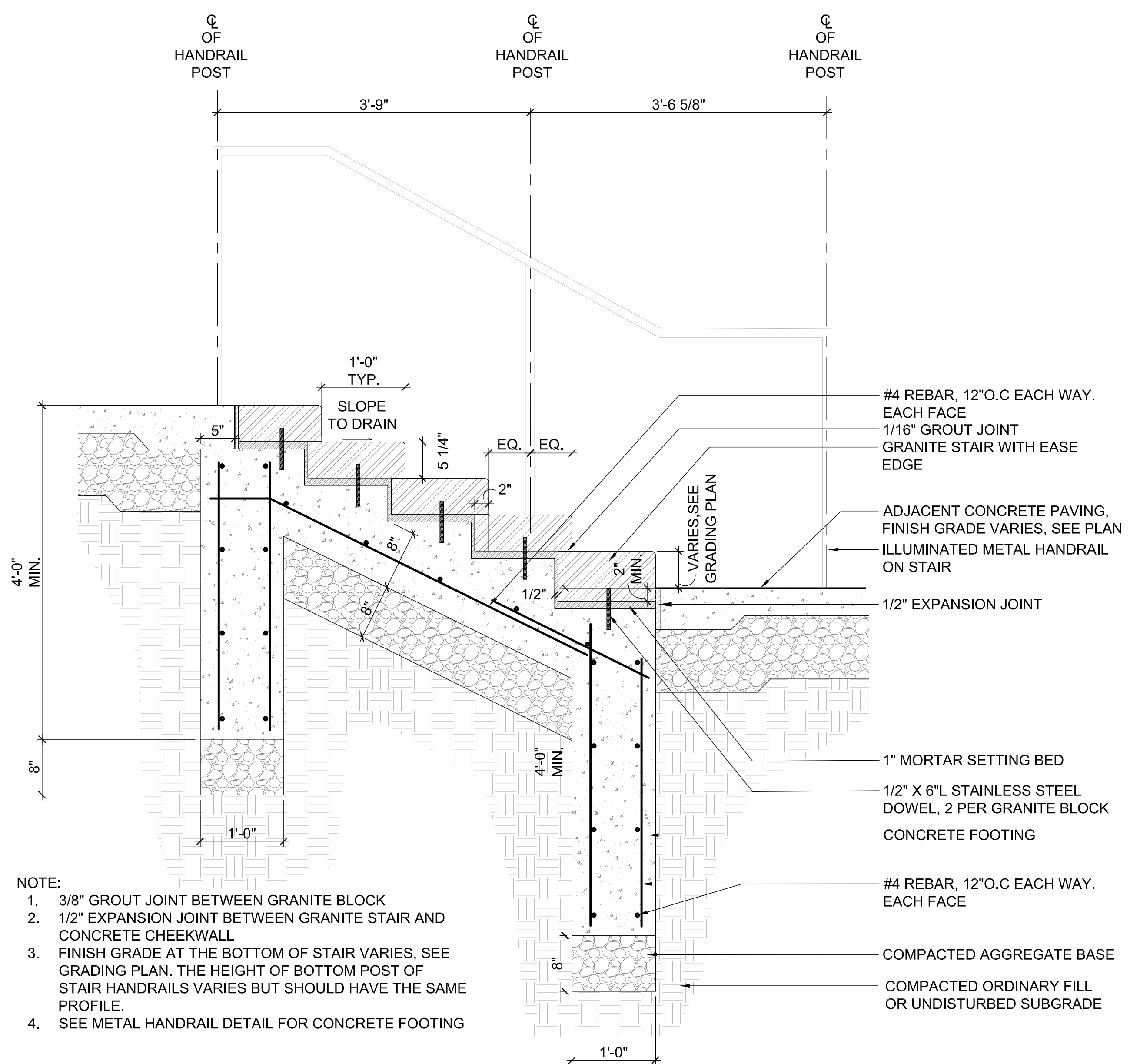
**KEYPLAN**

REVISIONS NO.	DATE	REMARKS	BY



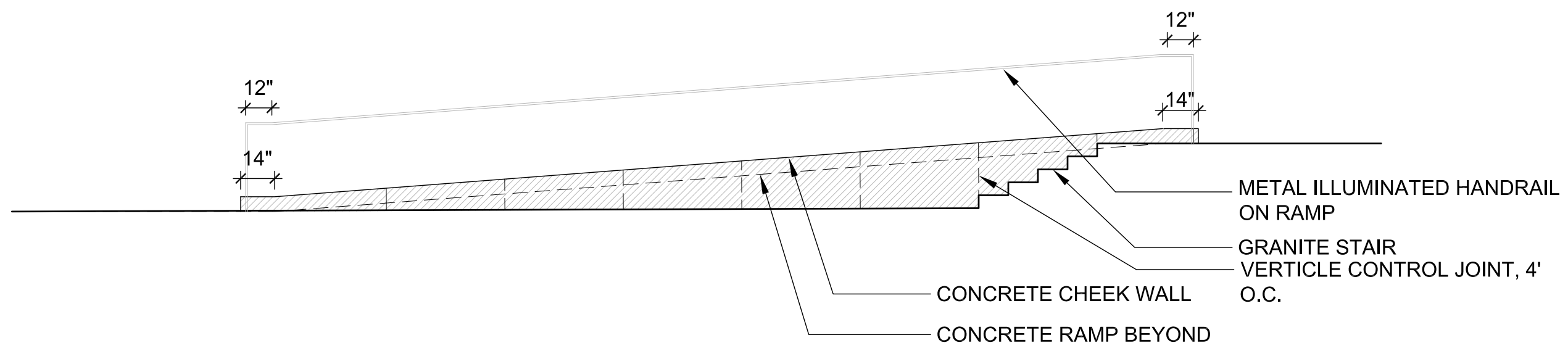
NOTE: PROVIDE VERTICLE CONTROL JOINT 6'-0" O.C

**1** CONCRETE RETAINING WALL AT FRONT ENTRY  
Scale: 1"=1'-0"

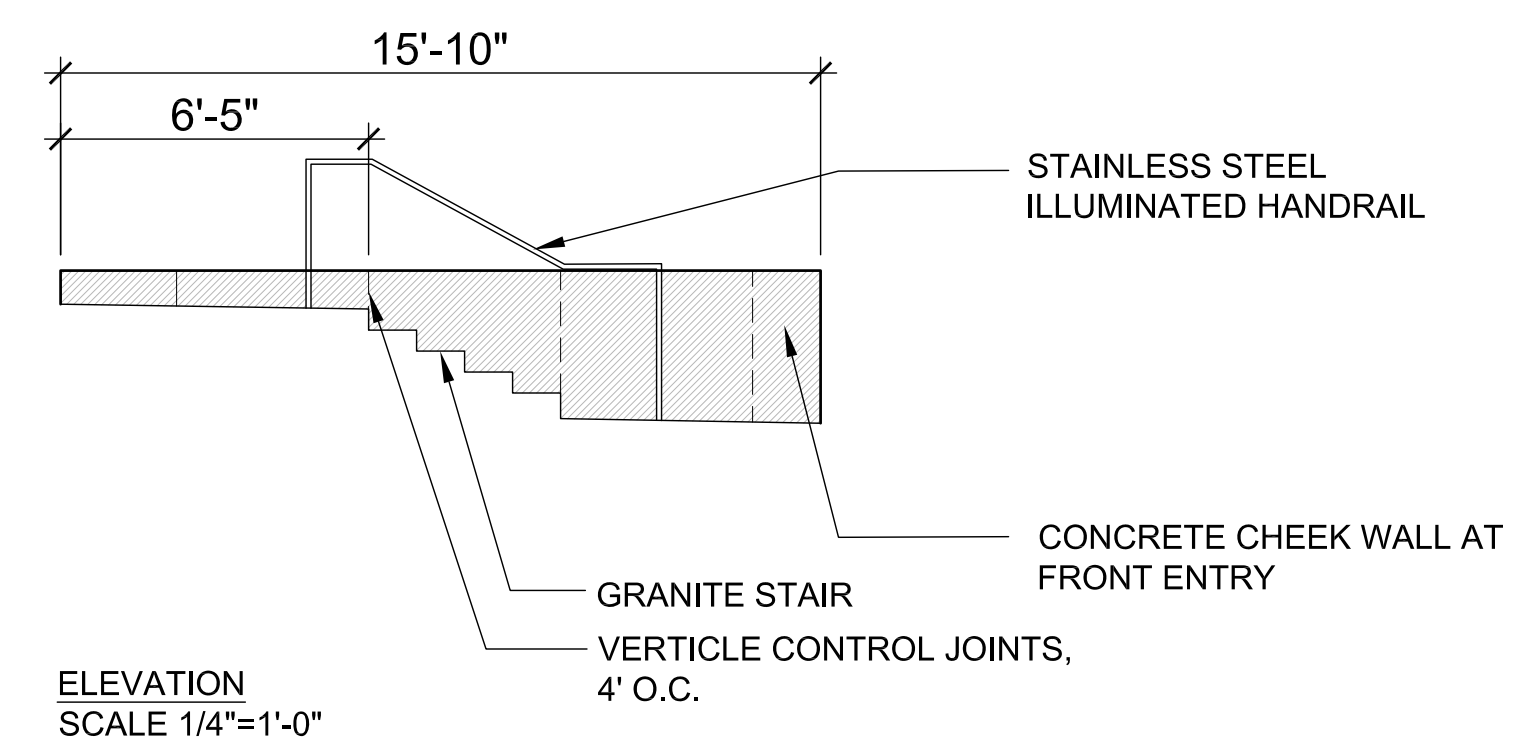


NOTE:  
1. 3/8" GROUT JOINT BETWEEN GRANITE BLOCK  
2. 1/2" EXPANSION JOINT BETWEEN GRANITE STAIR AND CONCRETE CHEEKWALL  
3. FINISH GRADE AT THE BOTTOM OF STAIR VARIES, SEE GRADING PLAN. THE HEIGHT OF BOTTOM POST OF STAIR HANDRAILS VARIES BUT SHOULD HAVE THE SAME PROFILE.  
4. SEE METAL HANDRAIL DETAIL FOR CONCRETE FOOTING

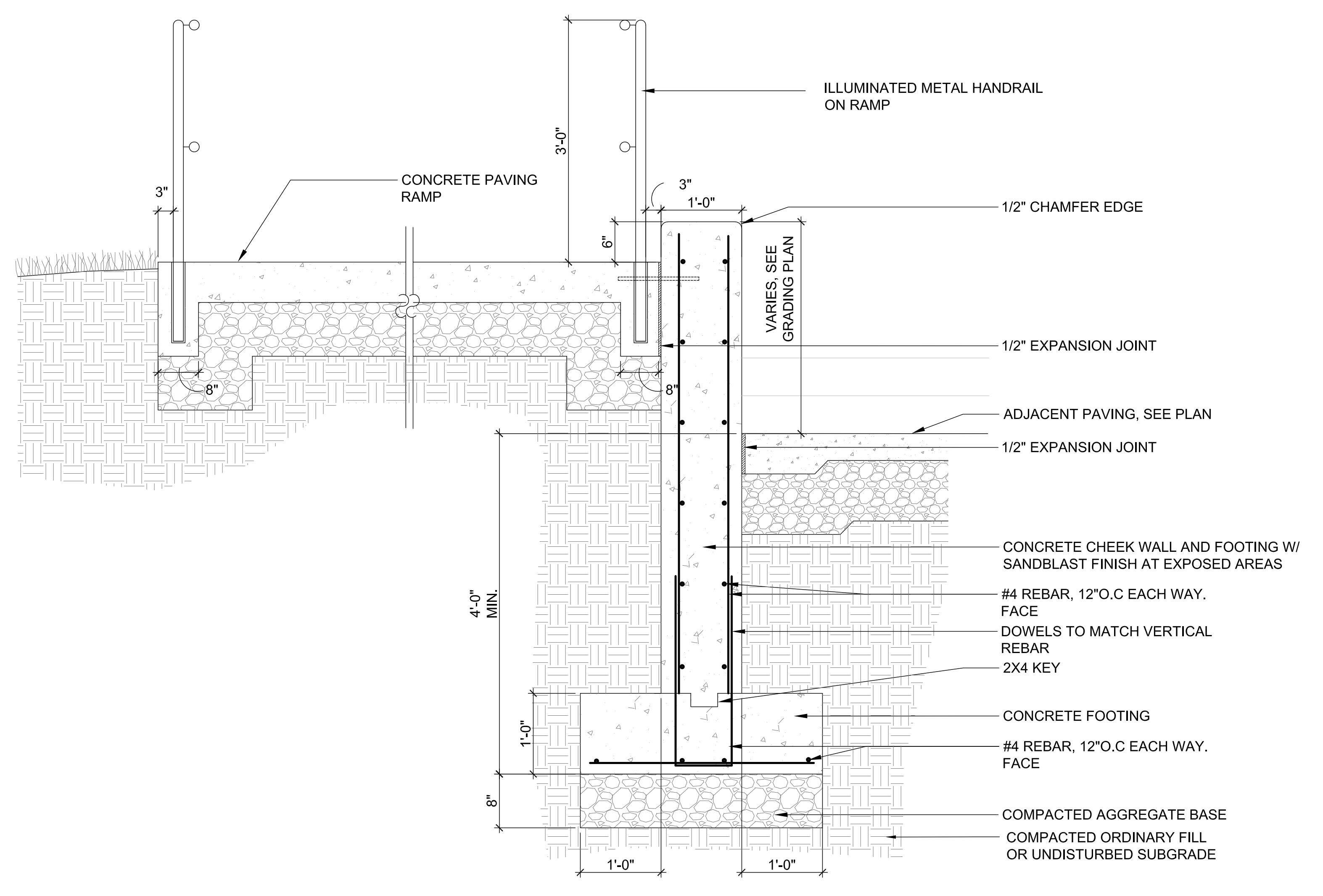
**2** GRANITE STAIR AT FRONT ENTRY  
Scale: 1"=1'-0"



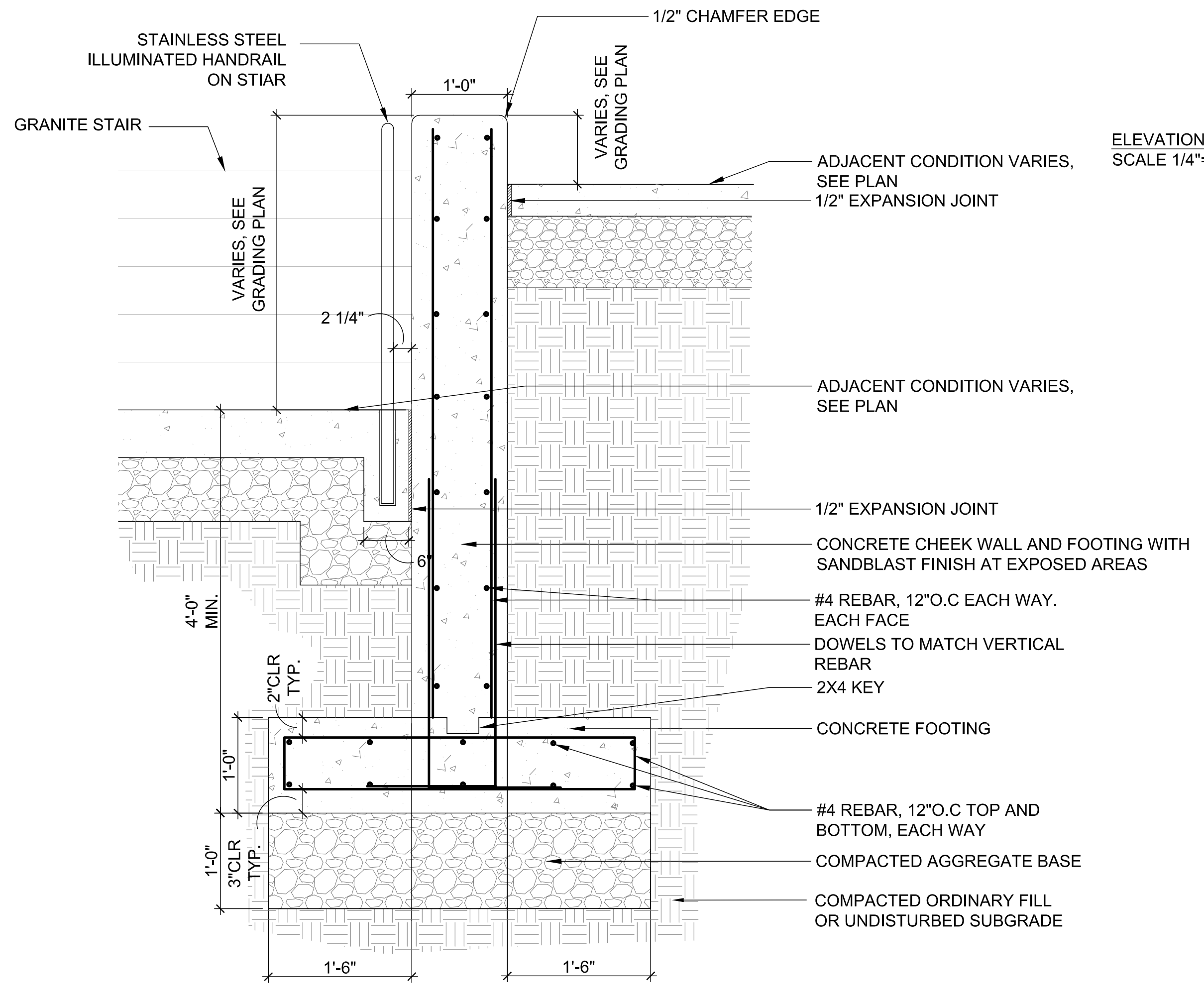
RAMP AND CHEEK WALL ELEVATION  
SCALE 1/4"=1'-0"



ELEVATION  
SCALE 1/4"=1'-0"



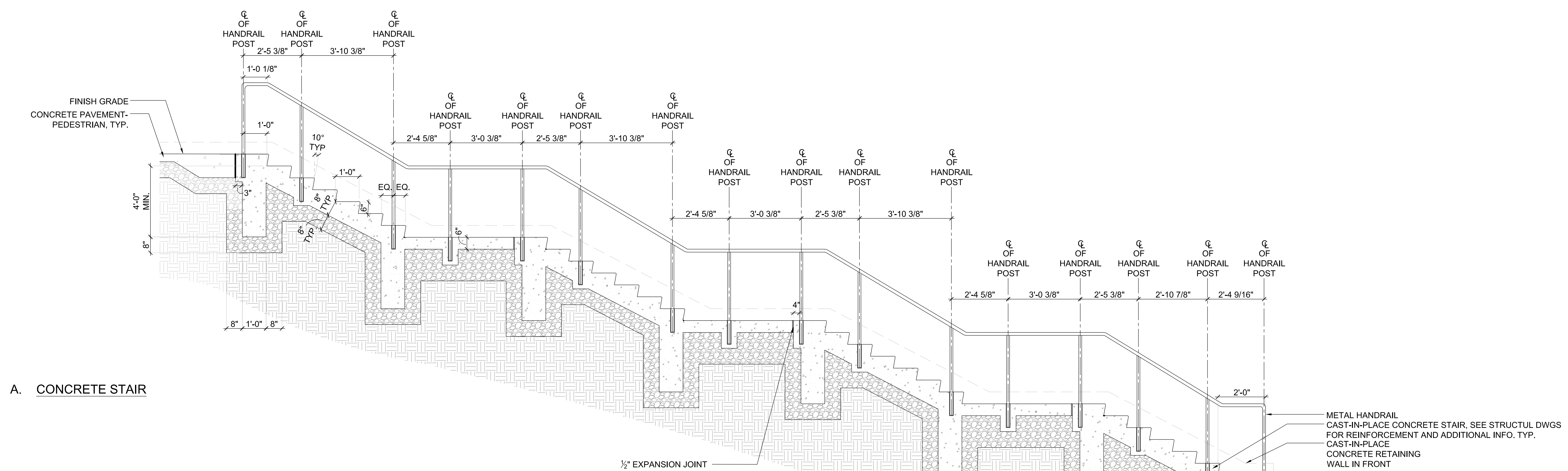
**3** RAMP AND CHEEK WALL AT FRONT ENTRY  
Scale: 1"=1'-0"



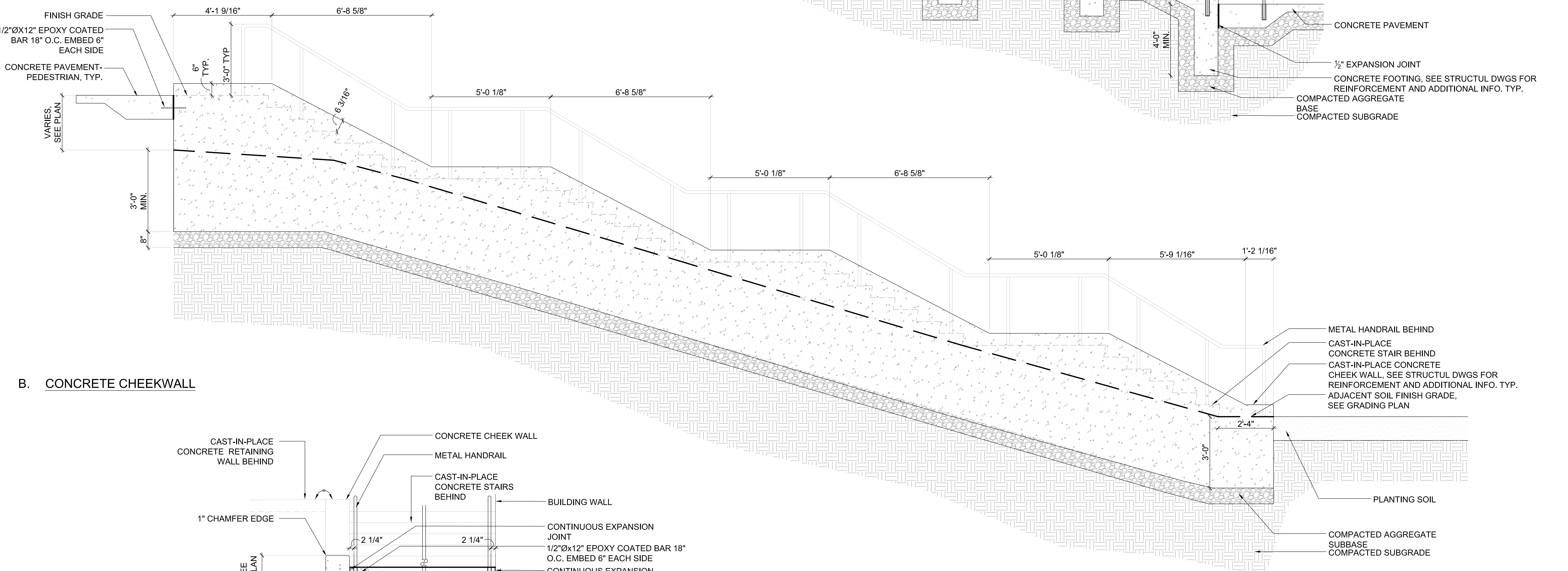
**4** CONCRETE CHEEK WALL AT FRONT ENTRY  
Scale: 1"=1'-0"

**KEYPLAN**

REVISIONS NO.	DATE	REMARKS	BY



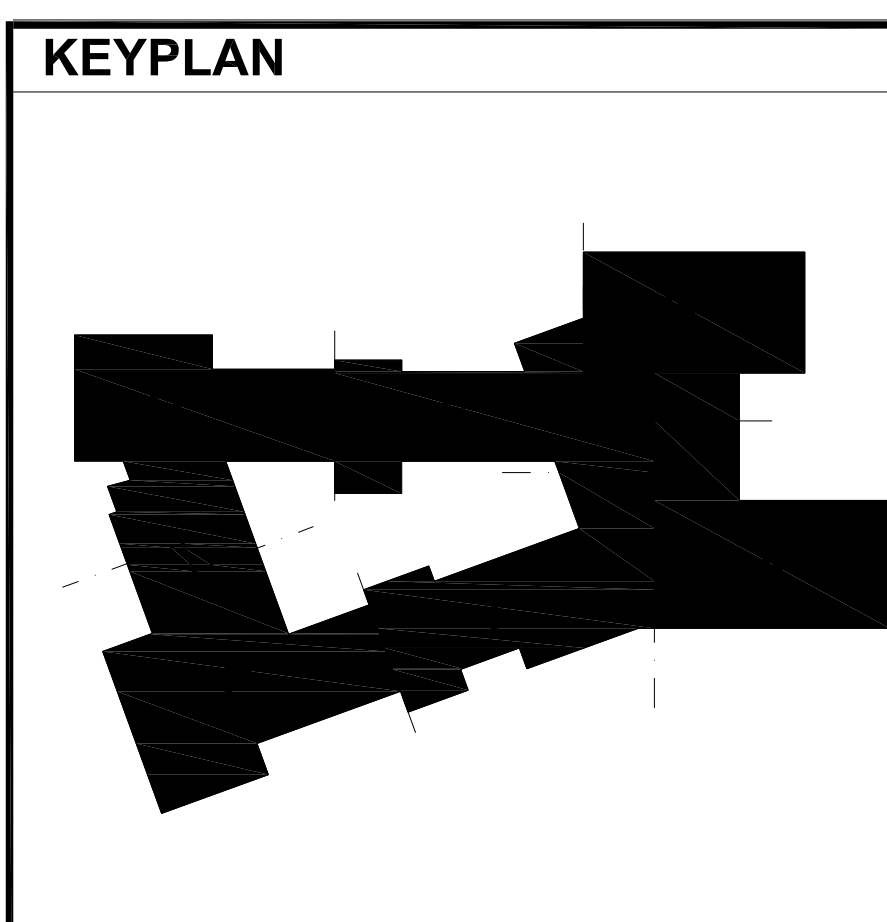
A. CONCRETE STAIR



B. CONCRETE CHEEKWALL

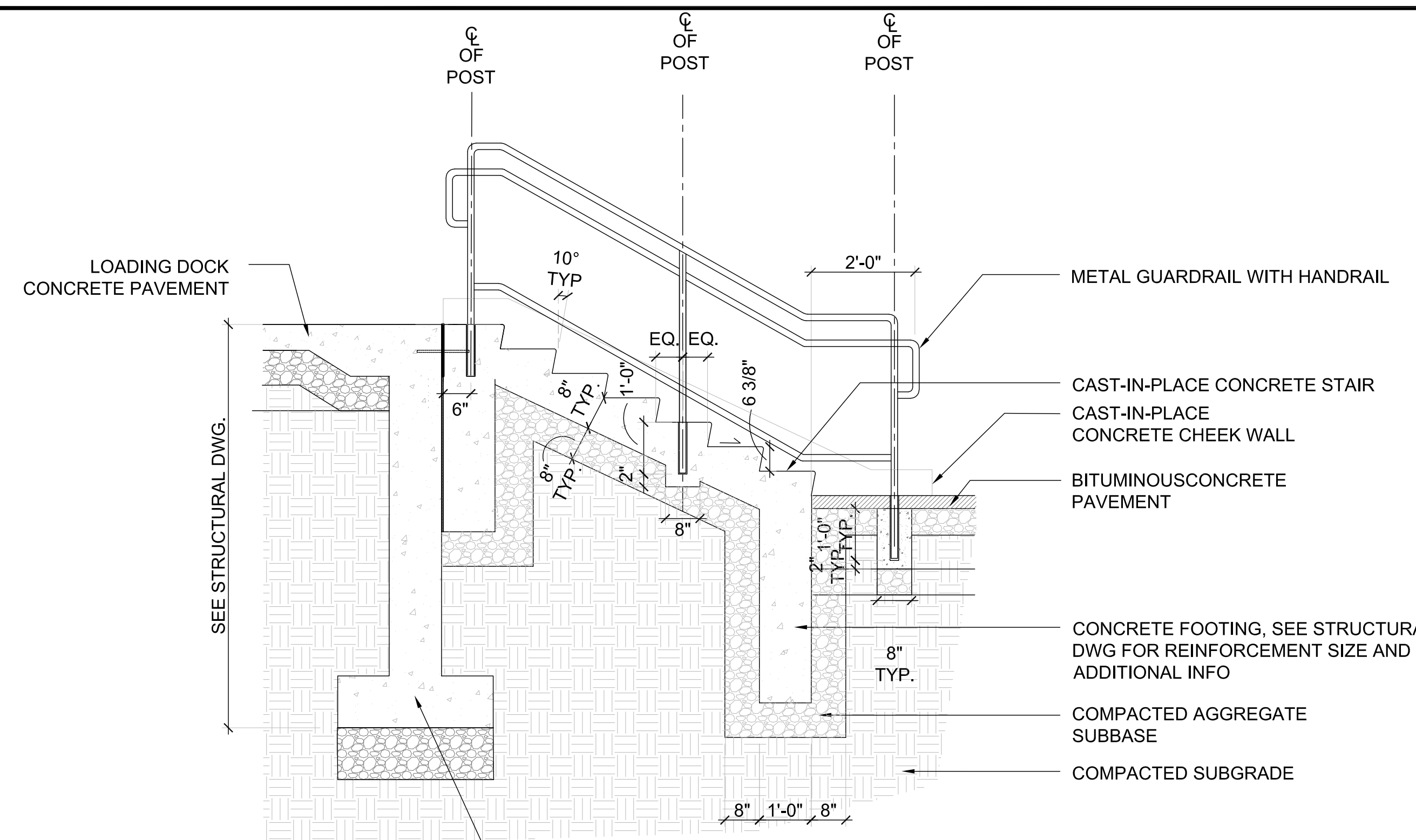


C. CHEEK WALL WITH STAIR SECTION

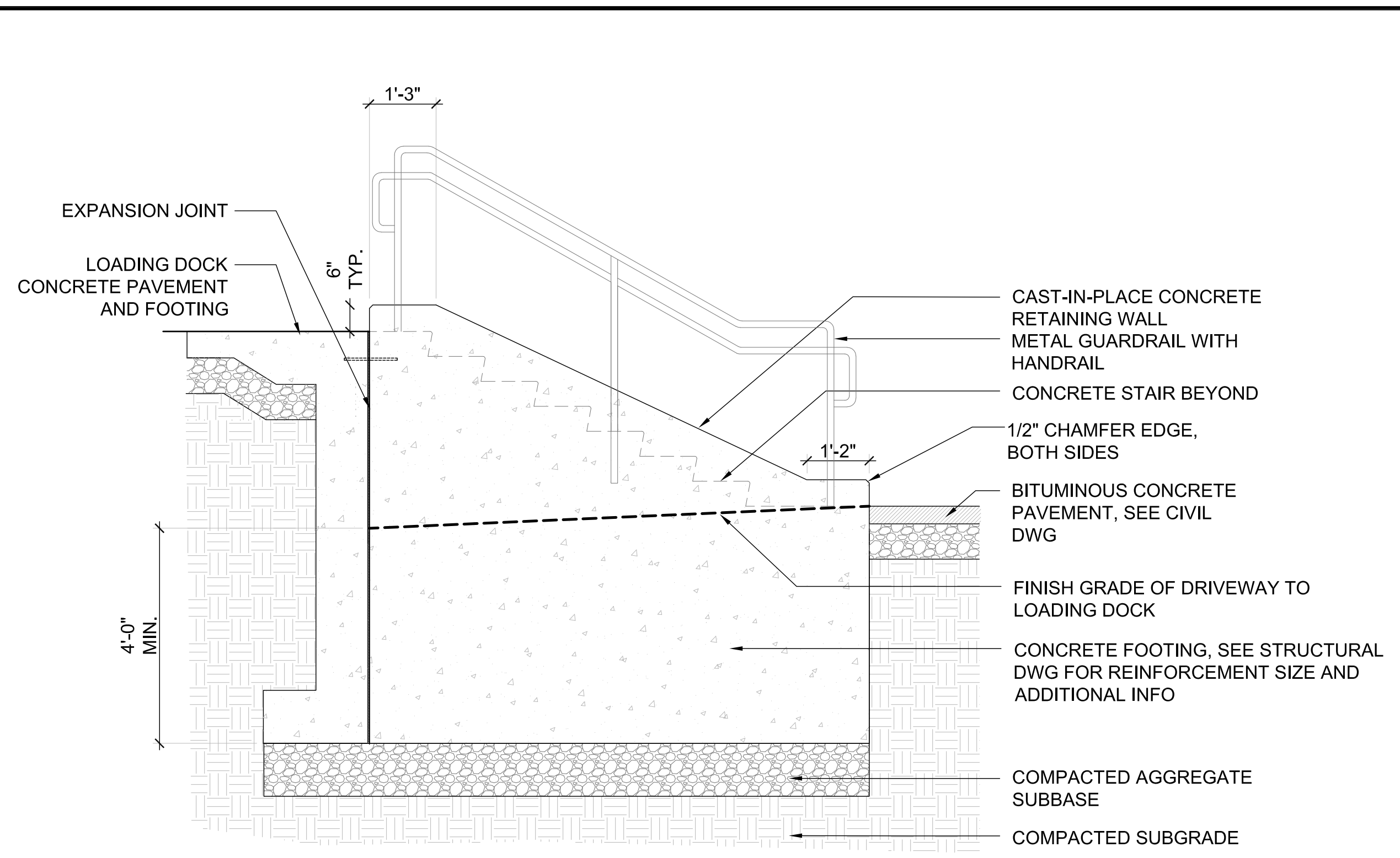


REVISIONS NO.	DATE	REMARKS	BY



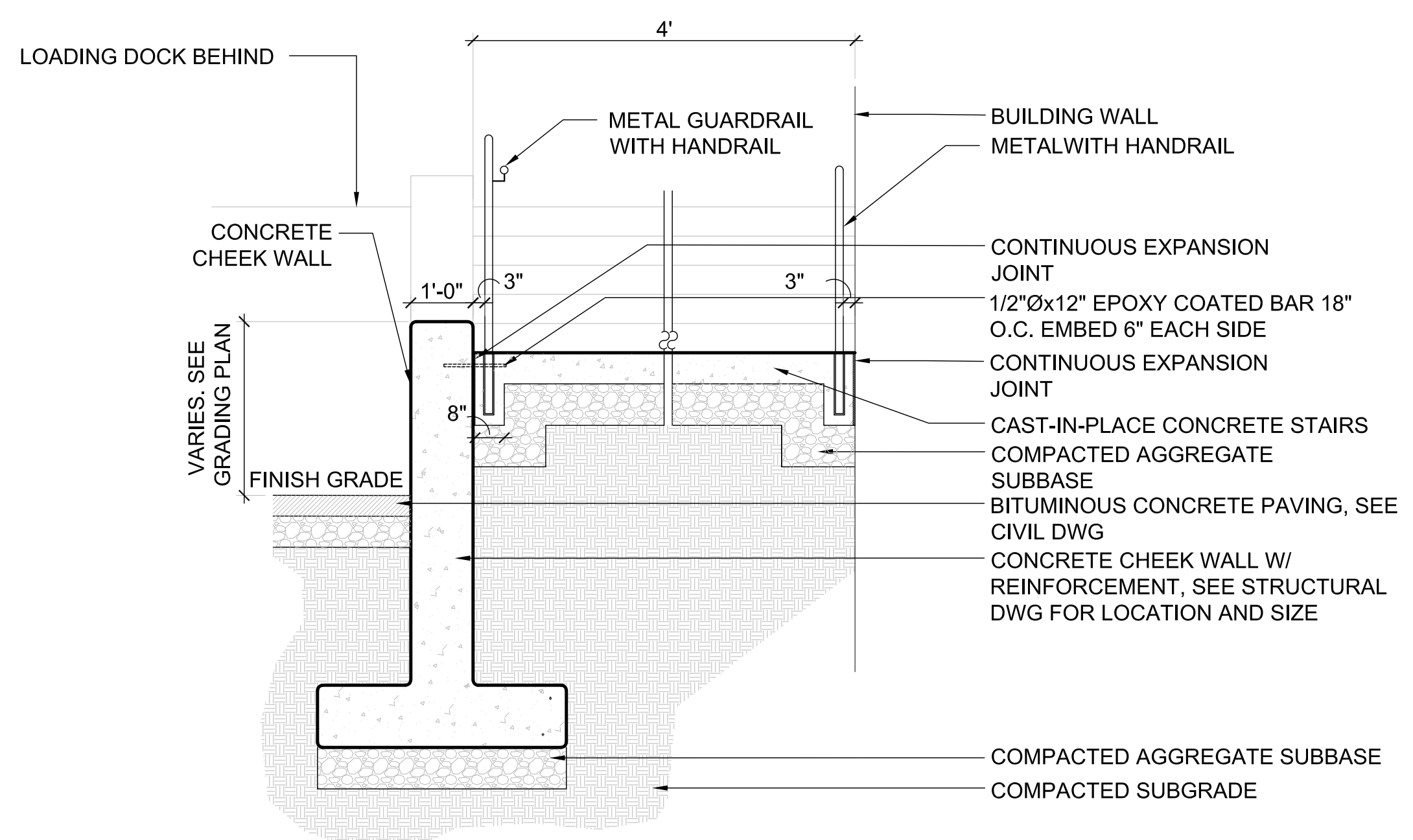


A. CONCRETE STAIR

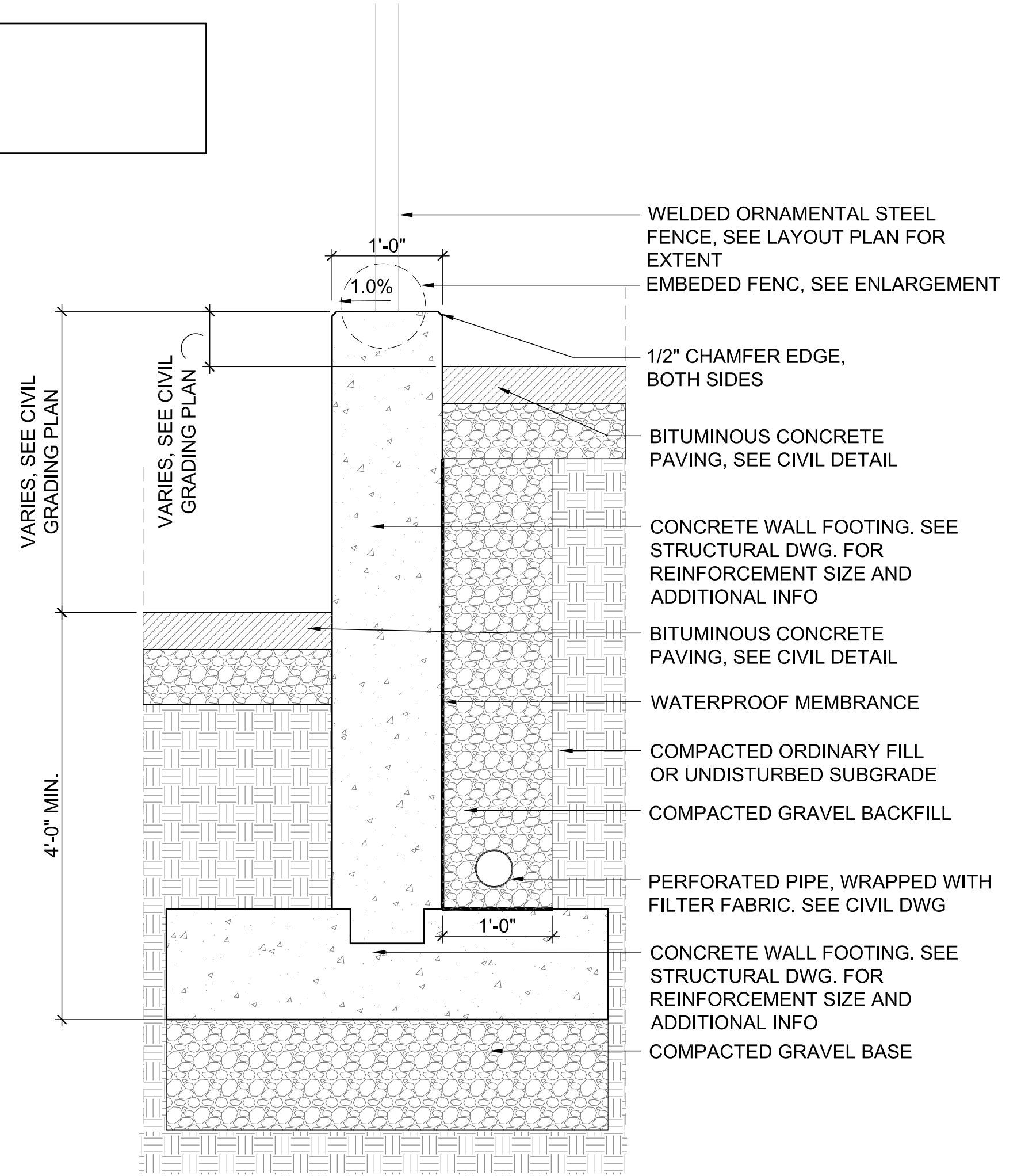


B. CONCRETE CHEEKWALL

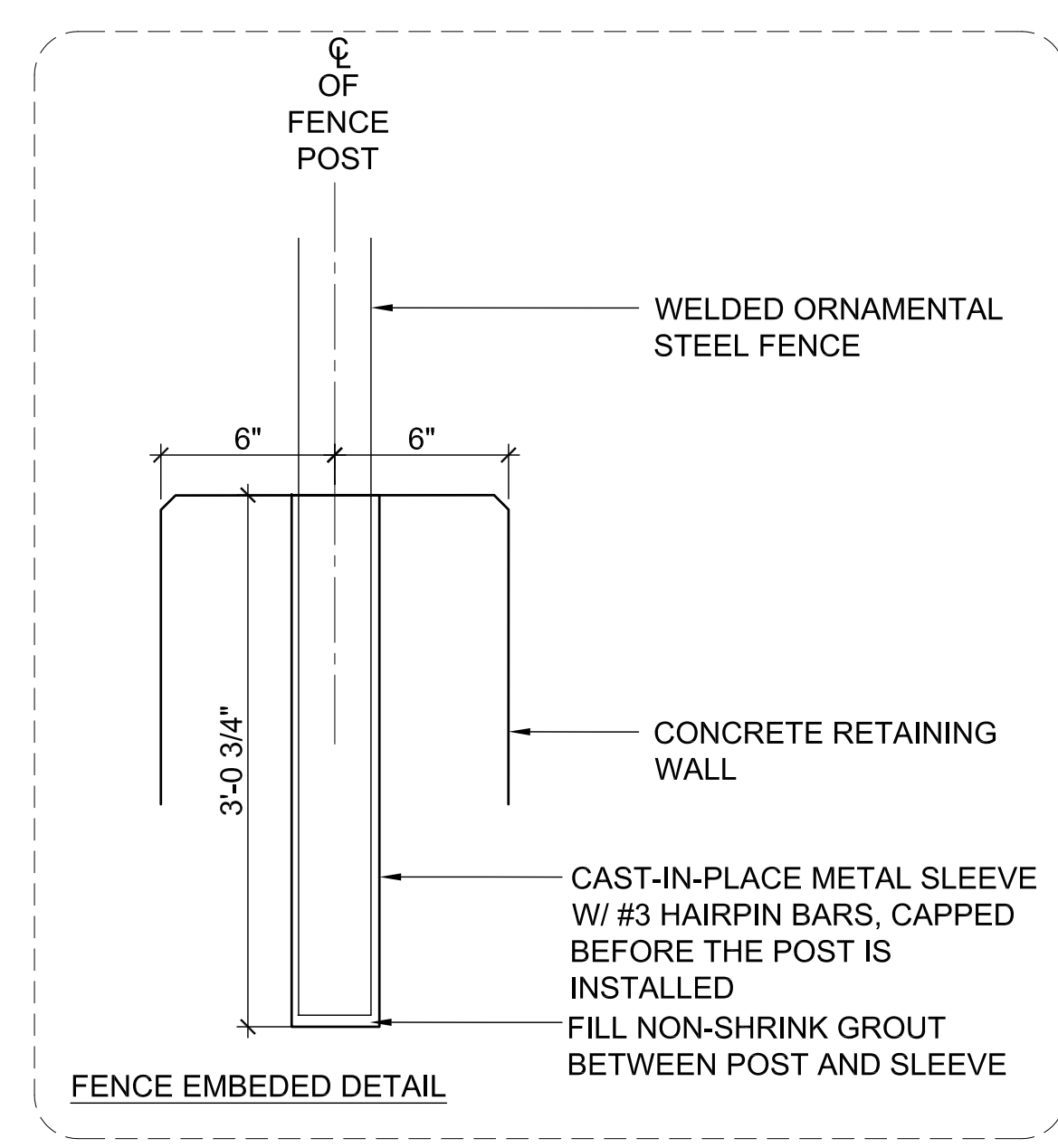
NOTE:  
1. STAIR TREAD SOULD SLOPE TO DRAIN  
2. SEE CIVIL DWG FOR GRADING INFO



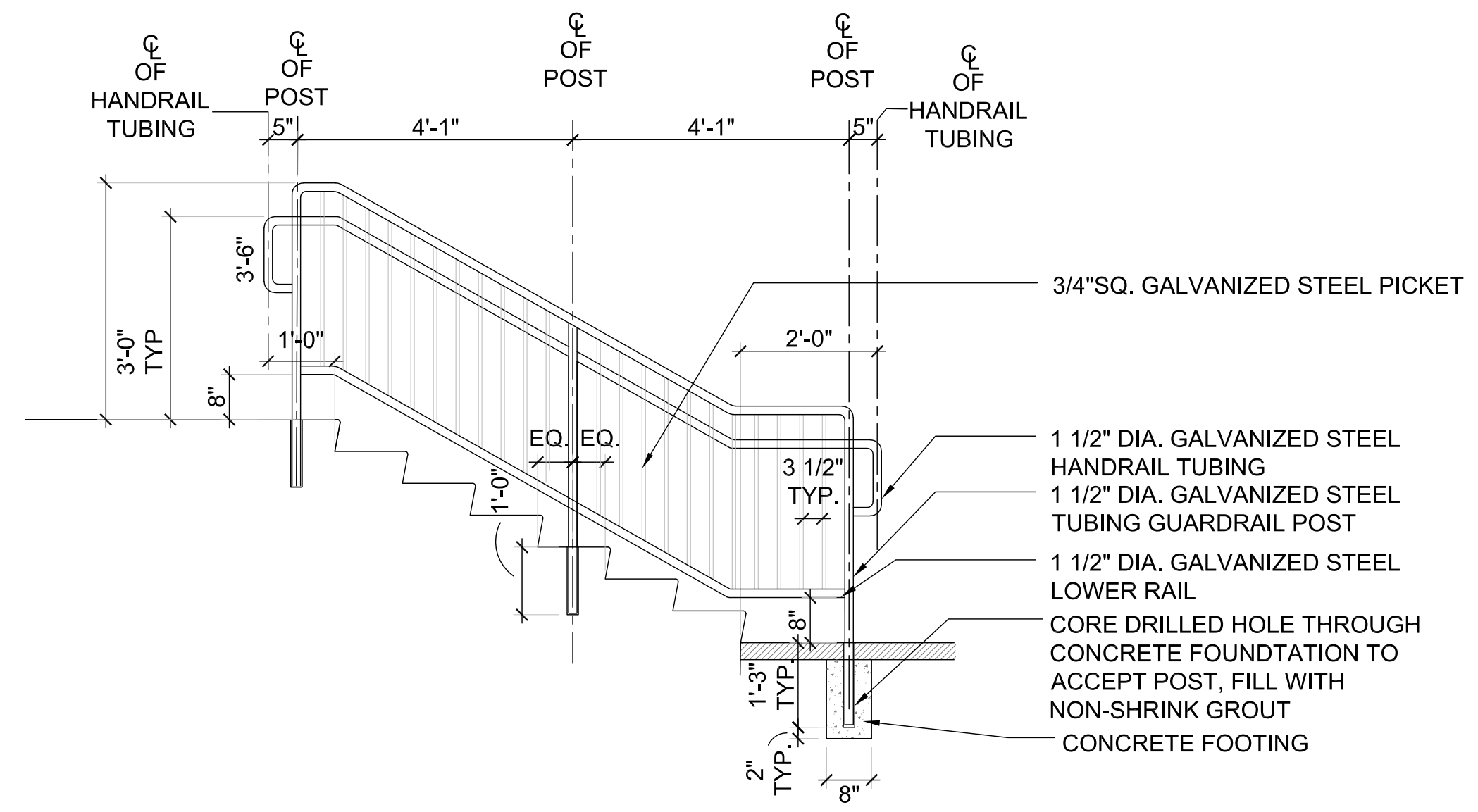
C. CHEEK WALL WITH STAIR SECTION



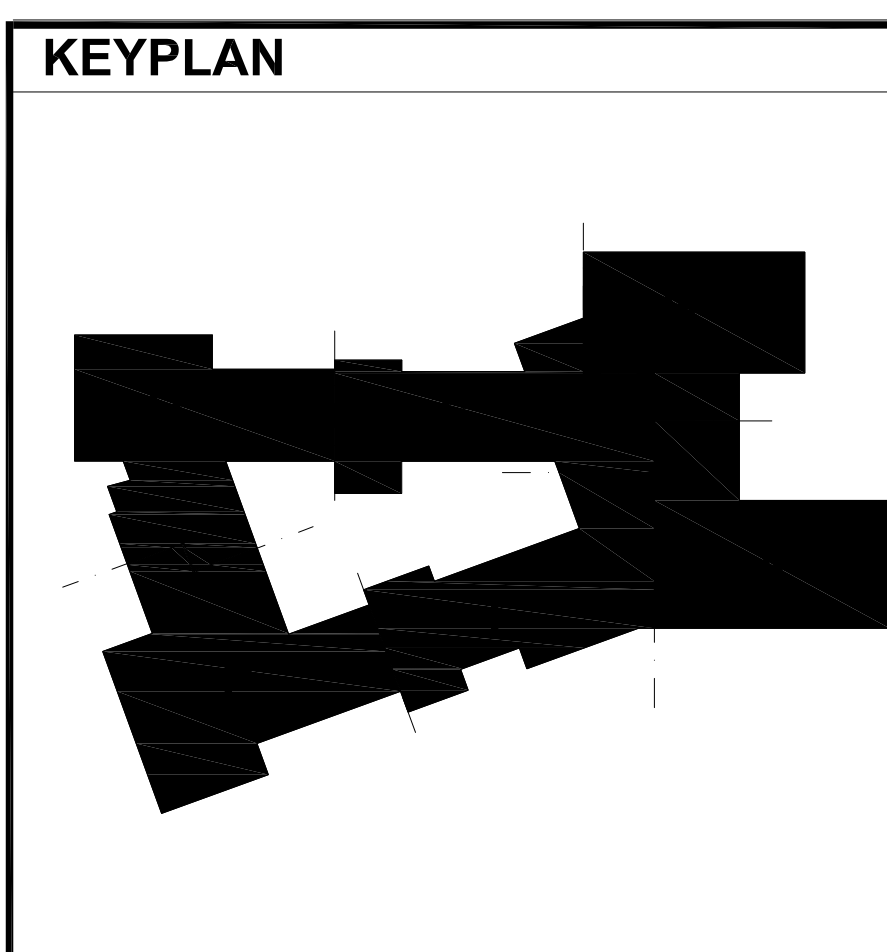
2. RETAINING WALL AT LOADING DOCK



1. STAIR WITH CHEEK WALL AT LOADING DOCK  
Scale: 1/2"=1'-0"

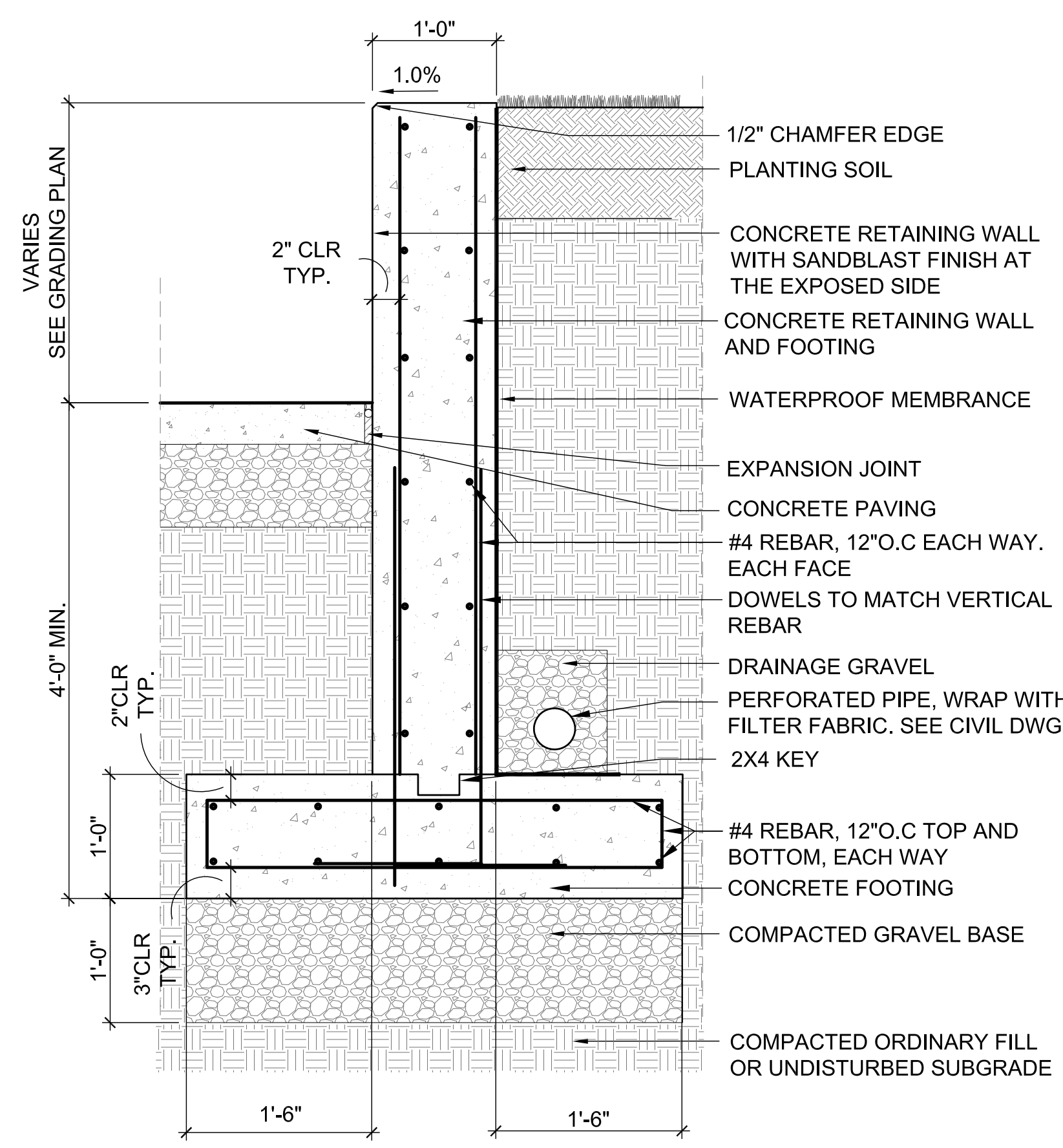


3. METAL GUARDRAIL WITH HANDRAIL AT LOADING DOCK  
Scale: 1/2"=1'-0"



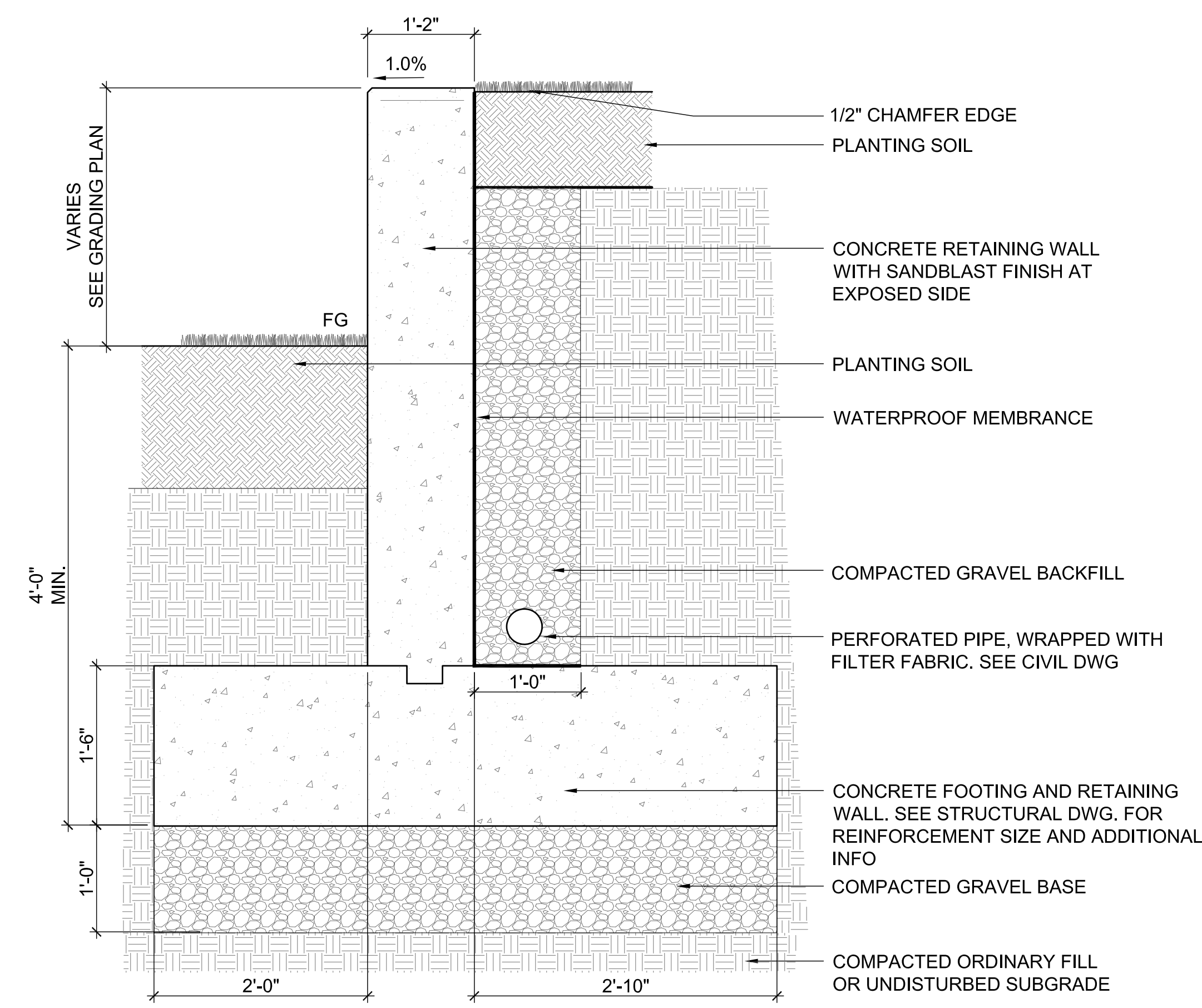
REVISIONS NO.	DATE	REMARKS	BY
B	9/12/2016	ADDENDUM B	





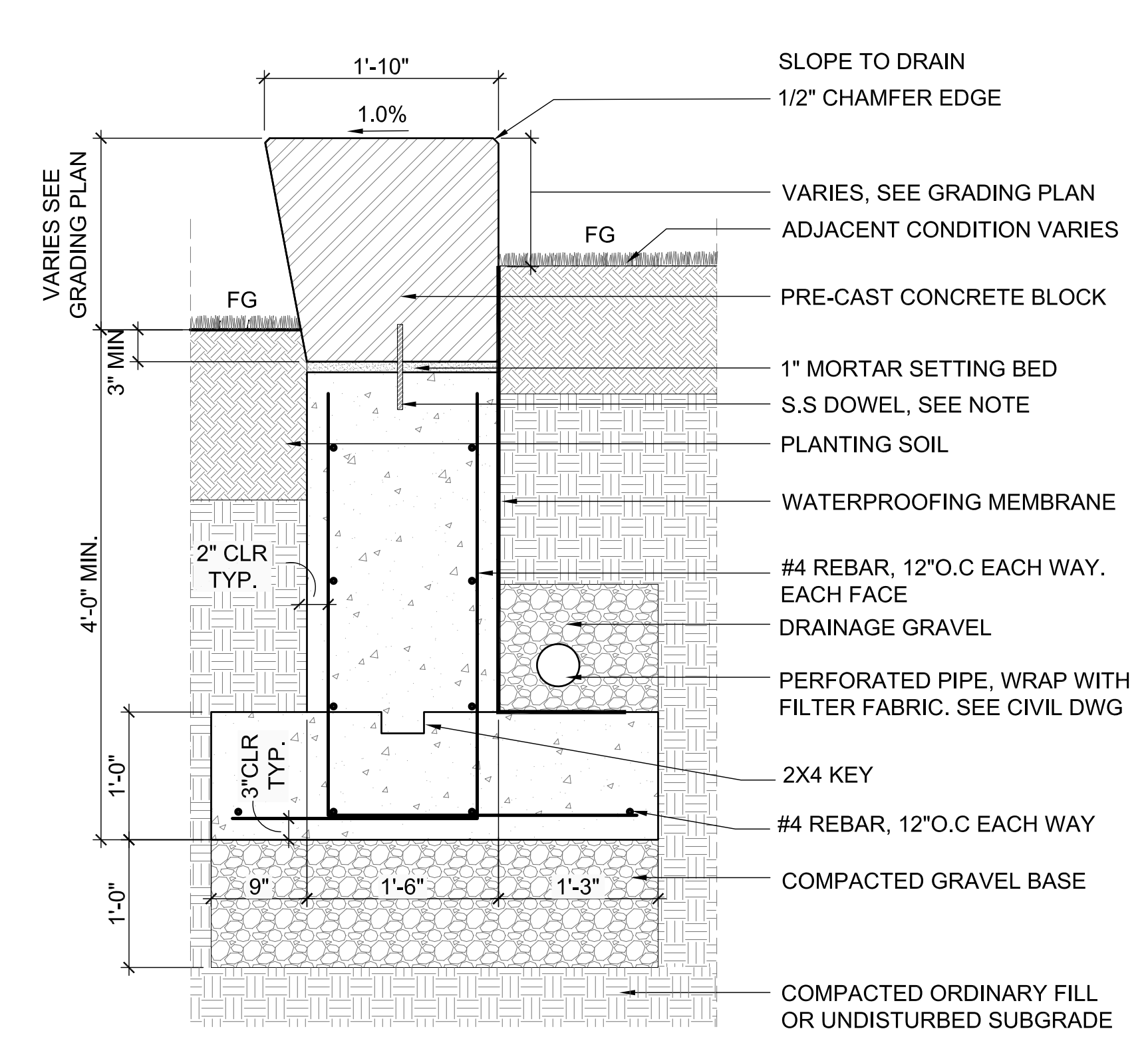
NOTE: VERTICAL JOINT, 6' O.C.

**1** CONCRETE RETAINING WALL AT LOWER COURTYARD  
Scale: 1"=1'-0"



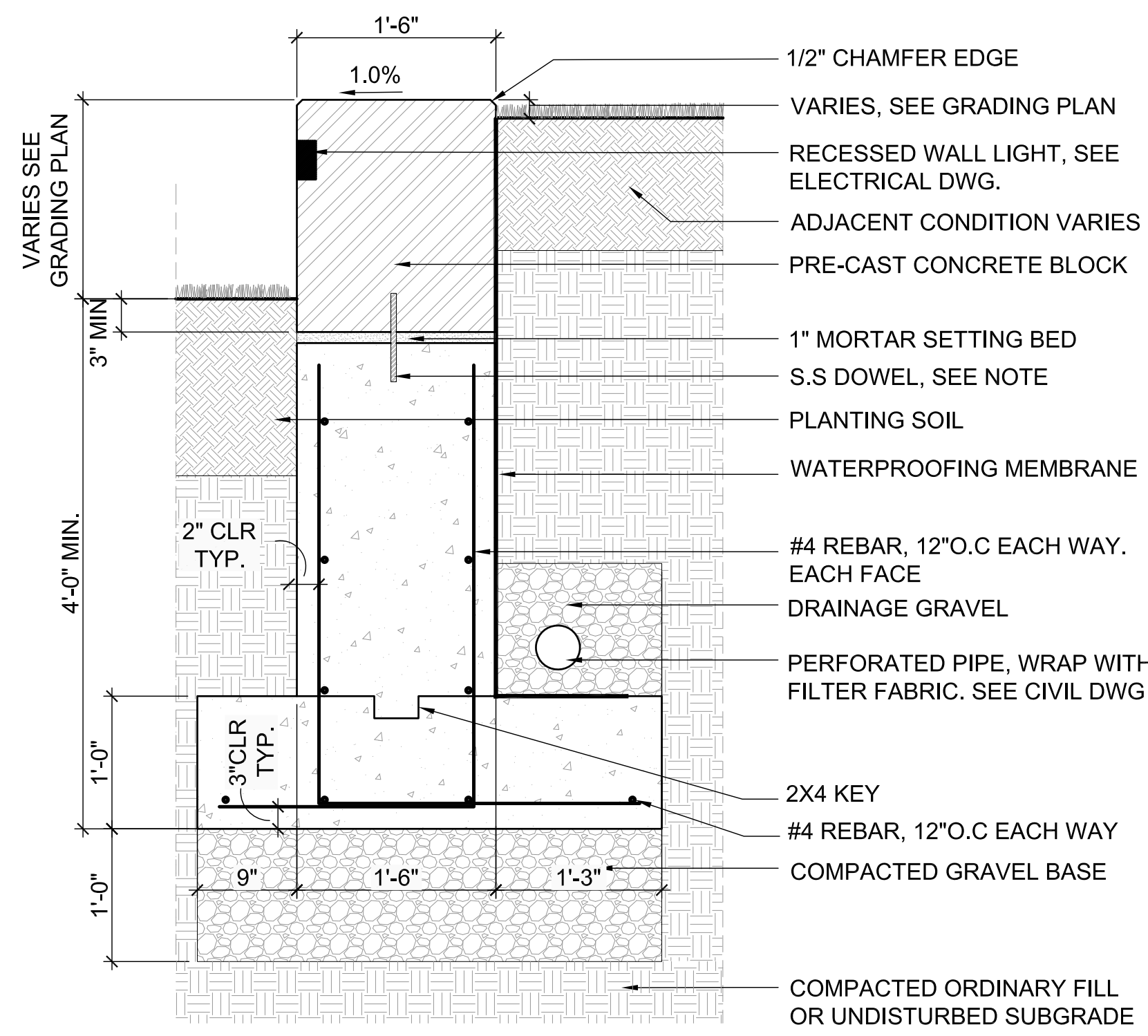
NOTE: TWO VERTICAL JOINT, EQUALLY SPACED

**2** TALL RETAINING WALL AT COURTYARD  
Scale: 1"=1'-0"



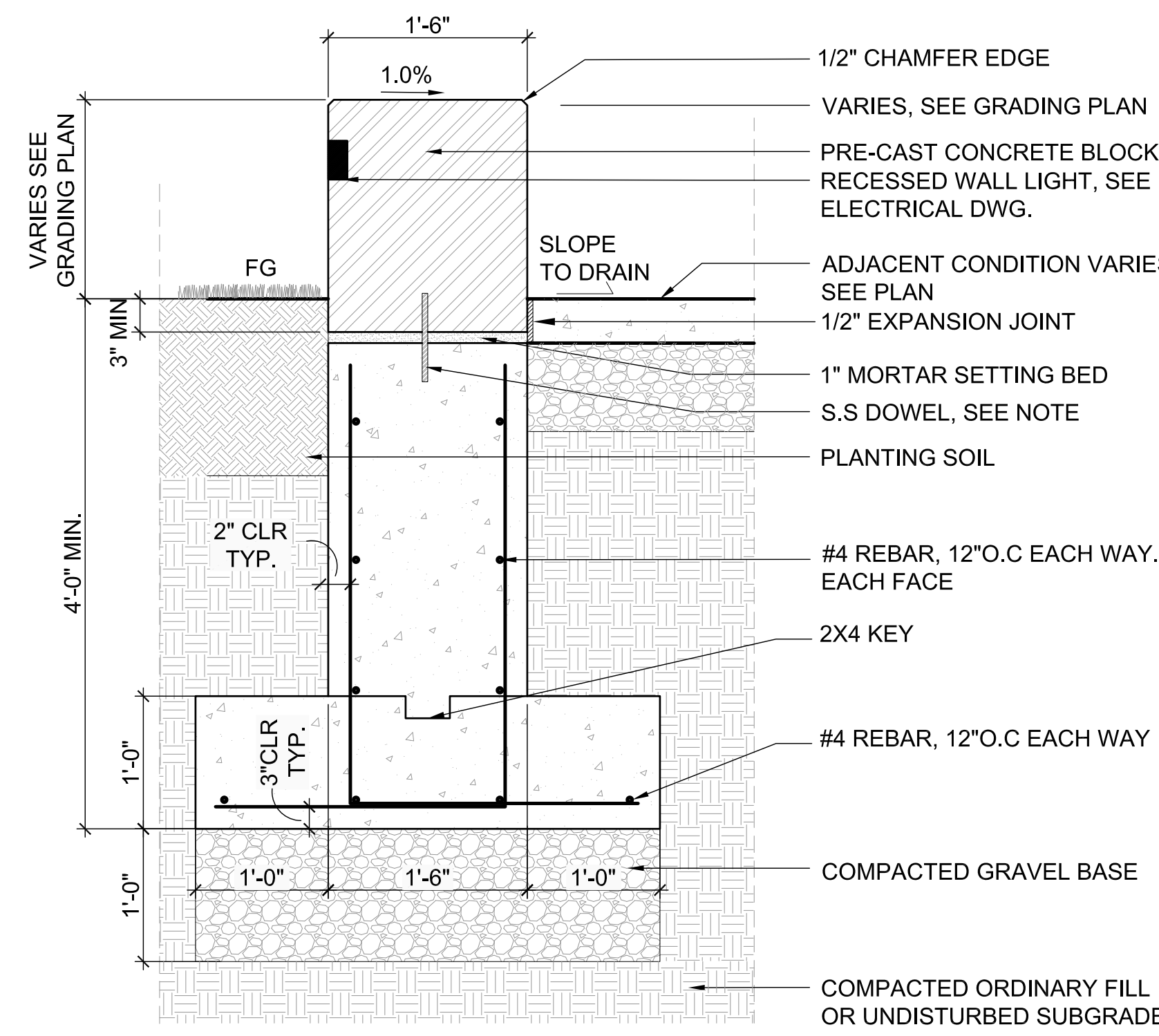
NOTE: 1. CONNECTION OF PRECAST CONCRETE TO CAST-IN-PLACE CONCRETE SHALL BE DESIGNED BY THE PRECAST CONCRETE DESIGNER FOR A 40 PCF LATERAL EARTH PRESSURE AND 100PSF SURCHARGE  
2. JOINT BETWEEN PRECAST CONCRETE BLOCK IS 3/8"

**3** PRE-CAST CURVED SEAT WALL AT COURTYARD  
Scale: 1"=1'-0"



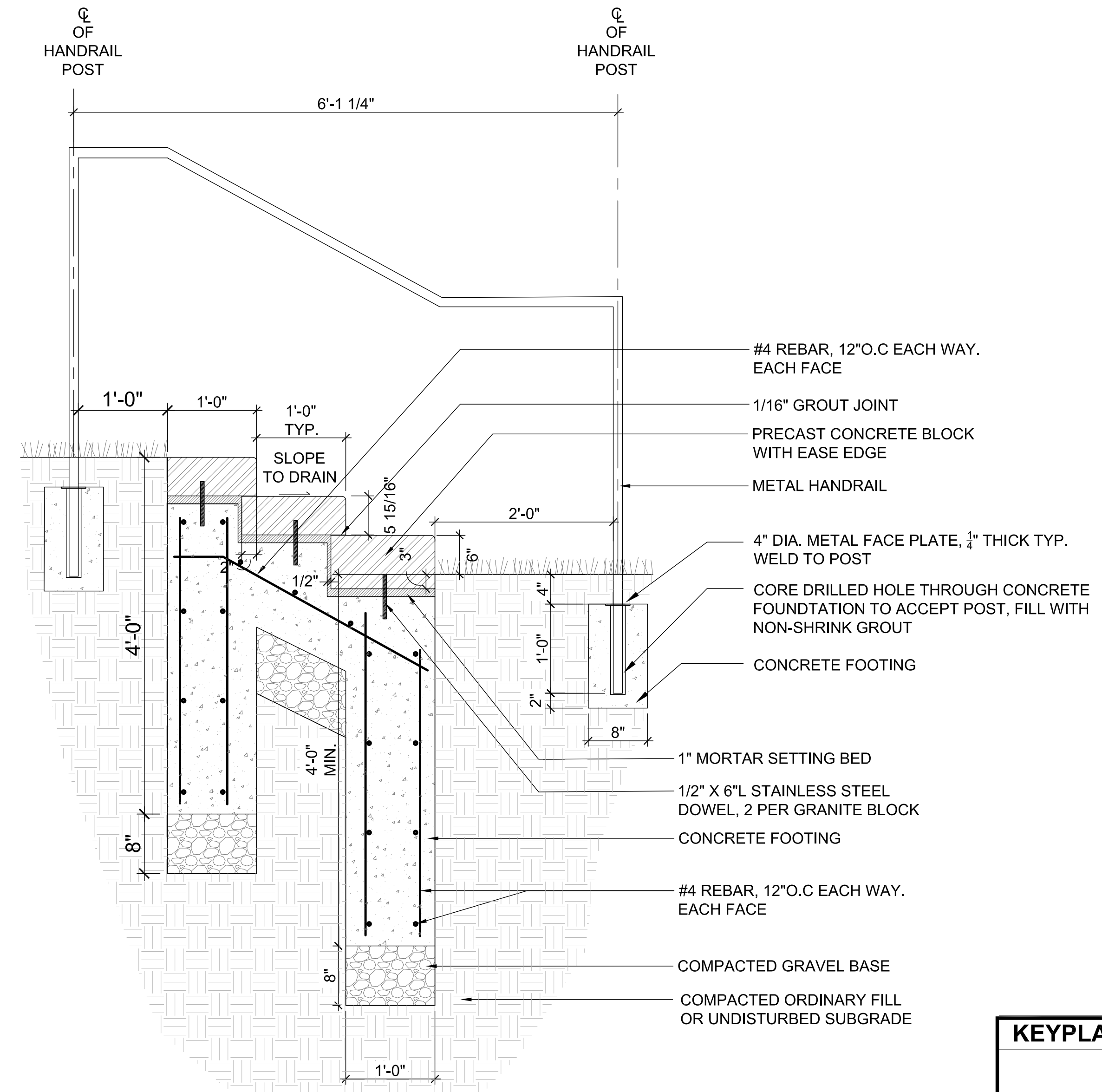
NOTE: 1. CONNECTION OF PRECAST CONCRETE TO CAST-IN-PLACE CONCRETE SHALL BE DESIGNED BY THE PRECAST CONCRETE DESIGNER FOR A 40 PCF LATERAL EARTH PRESSURE AND 100PSF SURCHARGE  
2. JOINT BETWEEN PRECAST CONCRETE BLOCK IS 3/8"

**4** PRE-CAST RETAINING SEAT WALL AT COURTYARD  
Scale: 1"=1'-0"



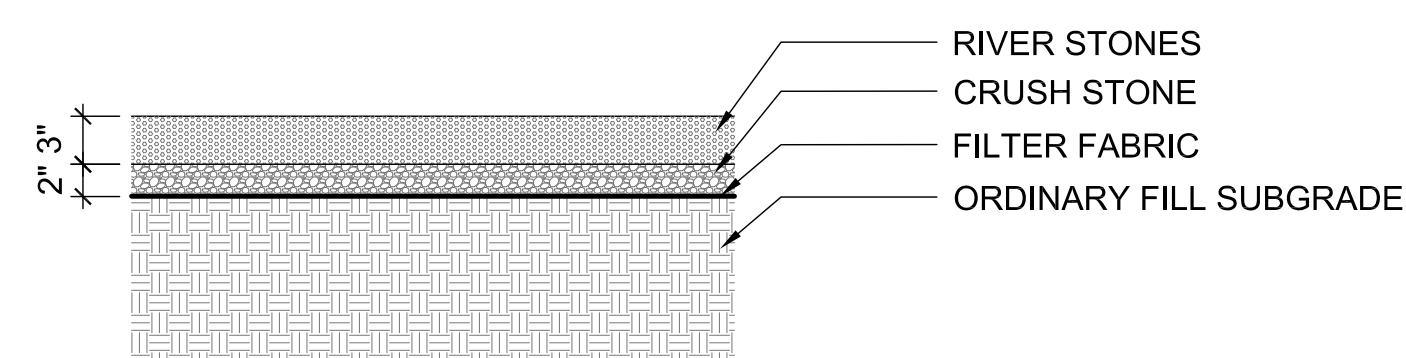
NOTE: 1. CONNECTION OF PRECAST CONCRETE TO CAST-IN-PLACE CONCRETE SHALL BE DESIGNED BY THE PRECAST CONCRETE DESIGNER FOR A 40 PCF LATERAL EARTH PRESSURE AND 100PSF SURCHARGE  
2. JOINT BETWEEN PRECAST CONCRETE BLOCK IS 3/8"

**5** PRE-CAST FREE STANDING SEAT WALL AT COURTYARD  
Scale: 1"=1'-0"

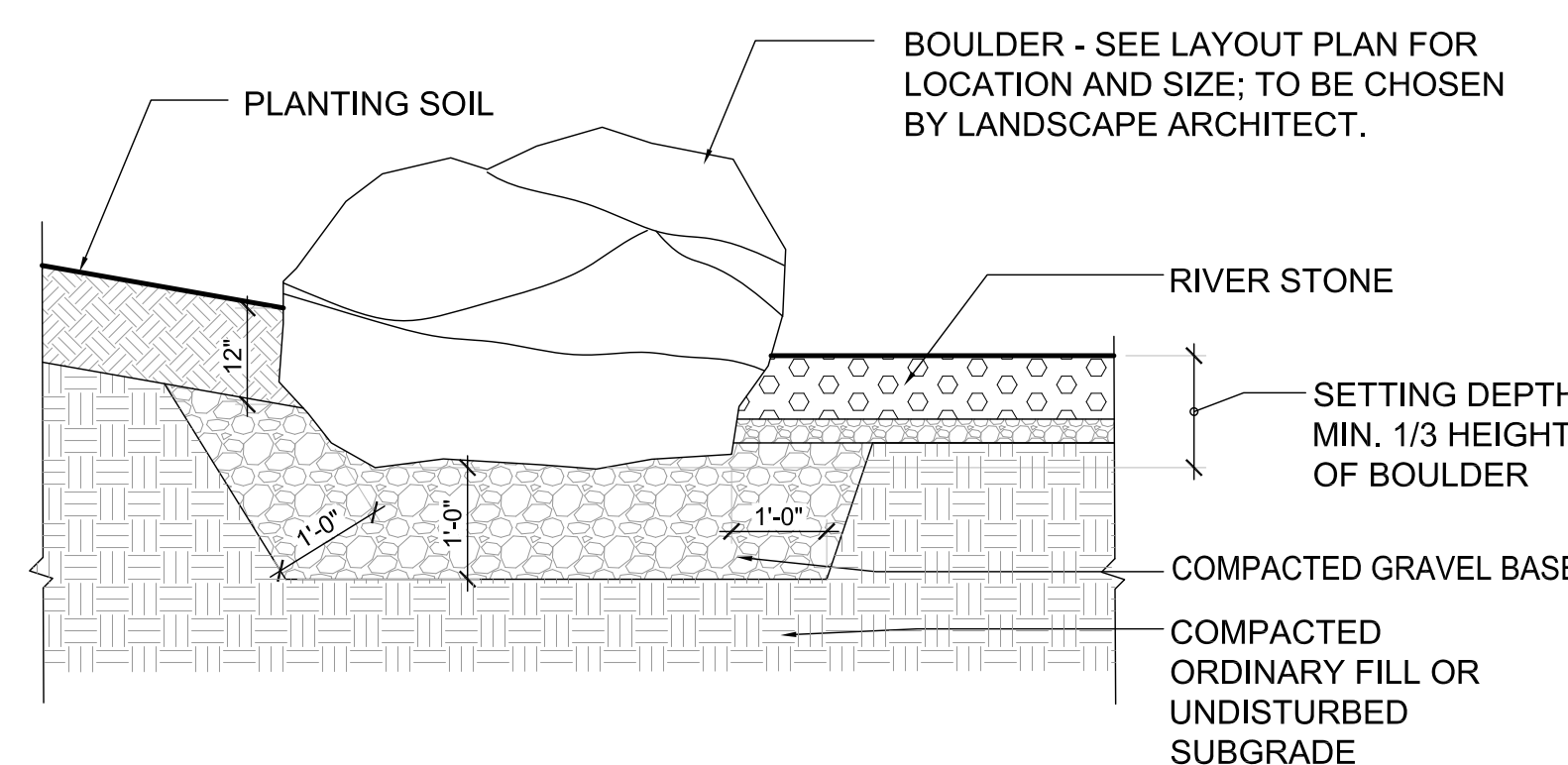


NOTE:  
1. 16" GROUT JOINT BETWEEN PRECAST BLOCK  
2. 1" EXPANSION JOINT BETWEEN PRECAST STAIR AND CONCRETE CHEEKWALL  
3. FINISH GRADE AT THE BOTTOM OF STAIR VARIES, SEE GRADING PLAN. THE HEIGHT OF BOTTOM POST OF STAIR HANDRAILS VARIES BUT SHOULD HAVE THE SAME PROFILE.  
4. SEE METAL HANDRAIL DETAIL FOR CONCRETE FOOTING

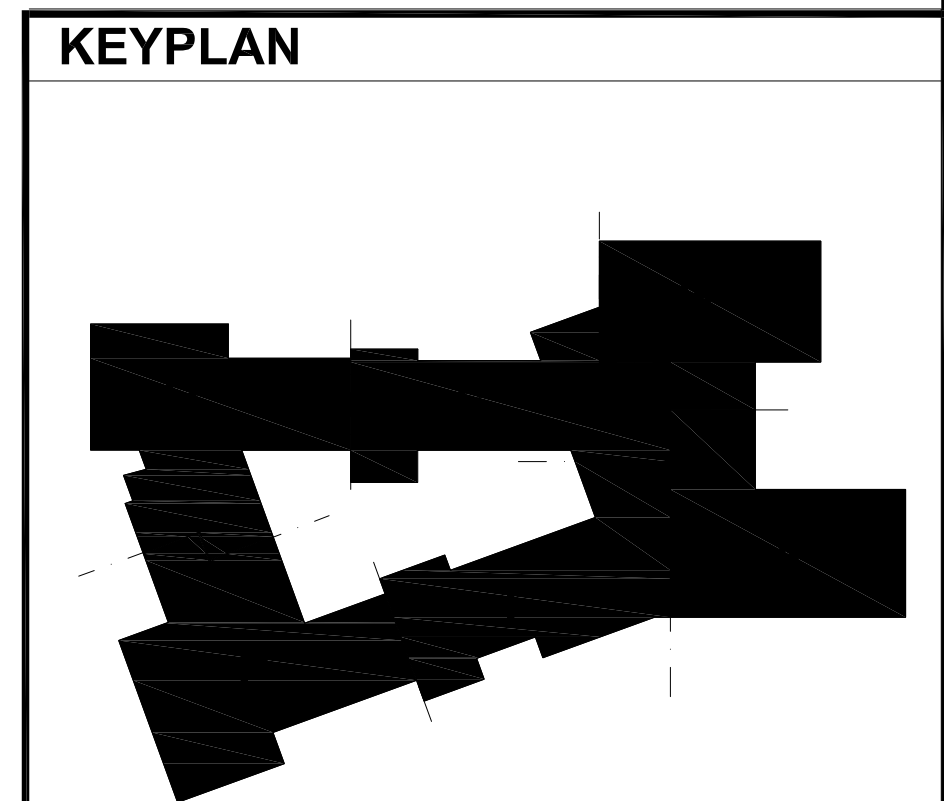
**6** PRECAST CONCRETE STAIR AT COURTYARD  
Scale: 1"=1'-0"



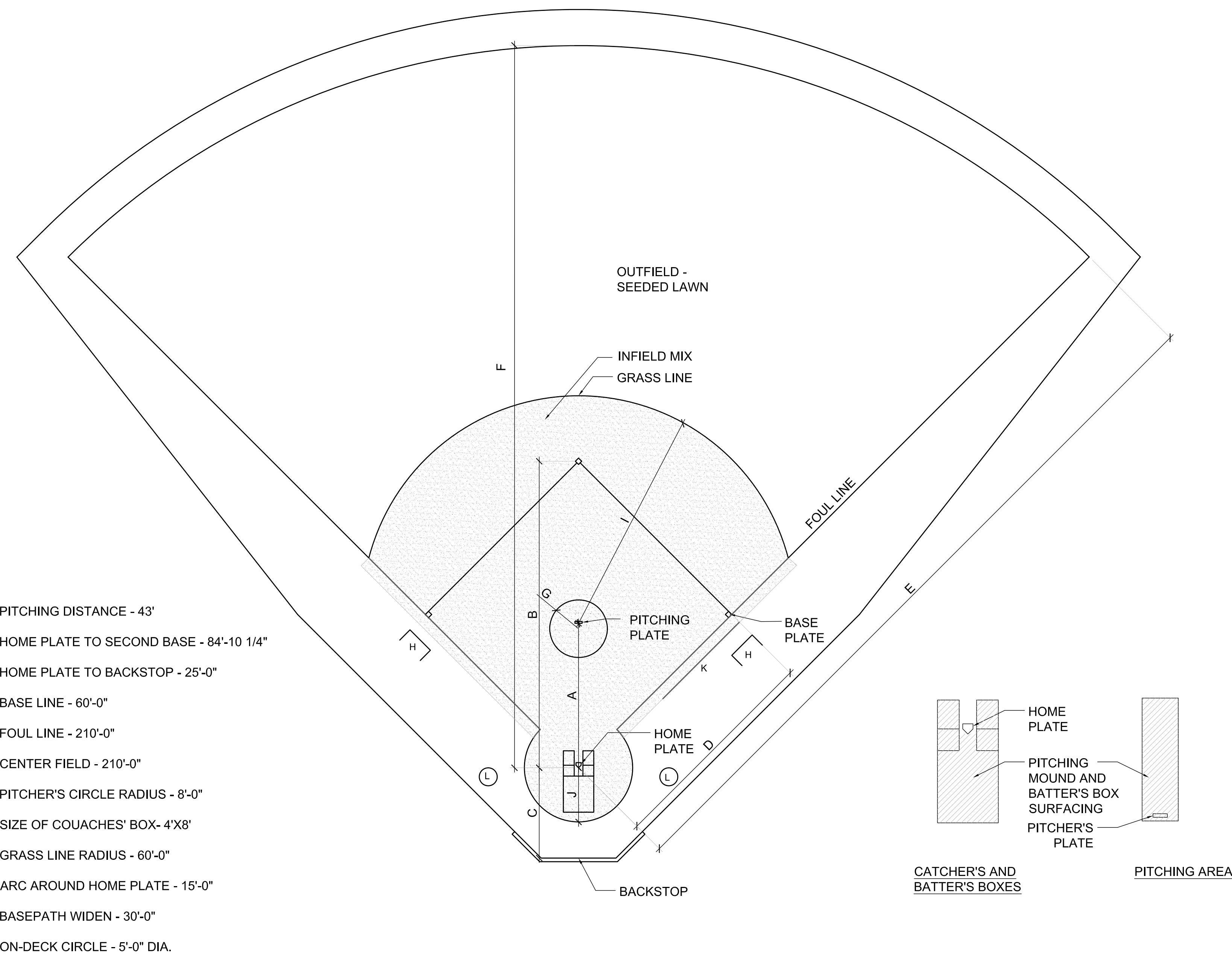
**7** RIVER STONE AT COURTYARD  
Scale: 1"=1'-0"



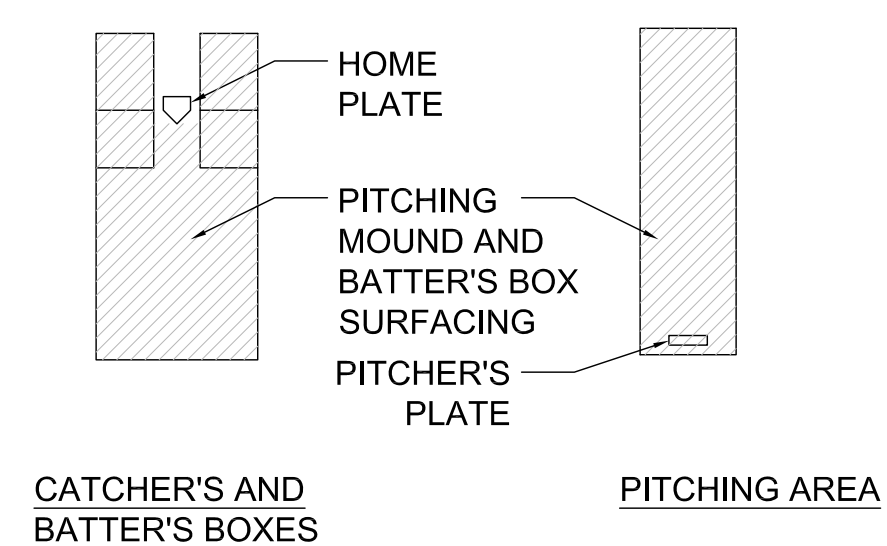
**8** BOULDER  
Scale: NTS



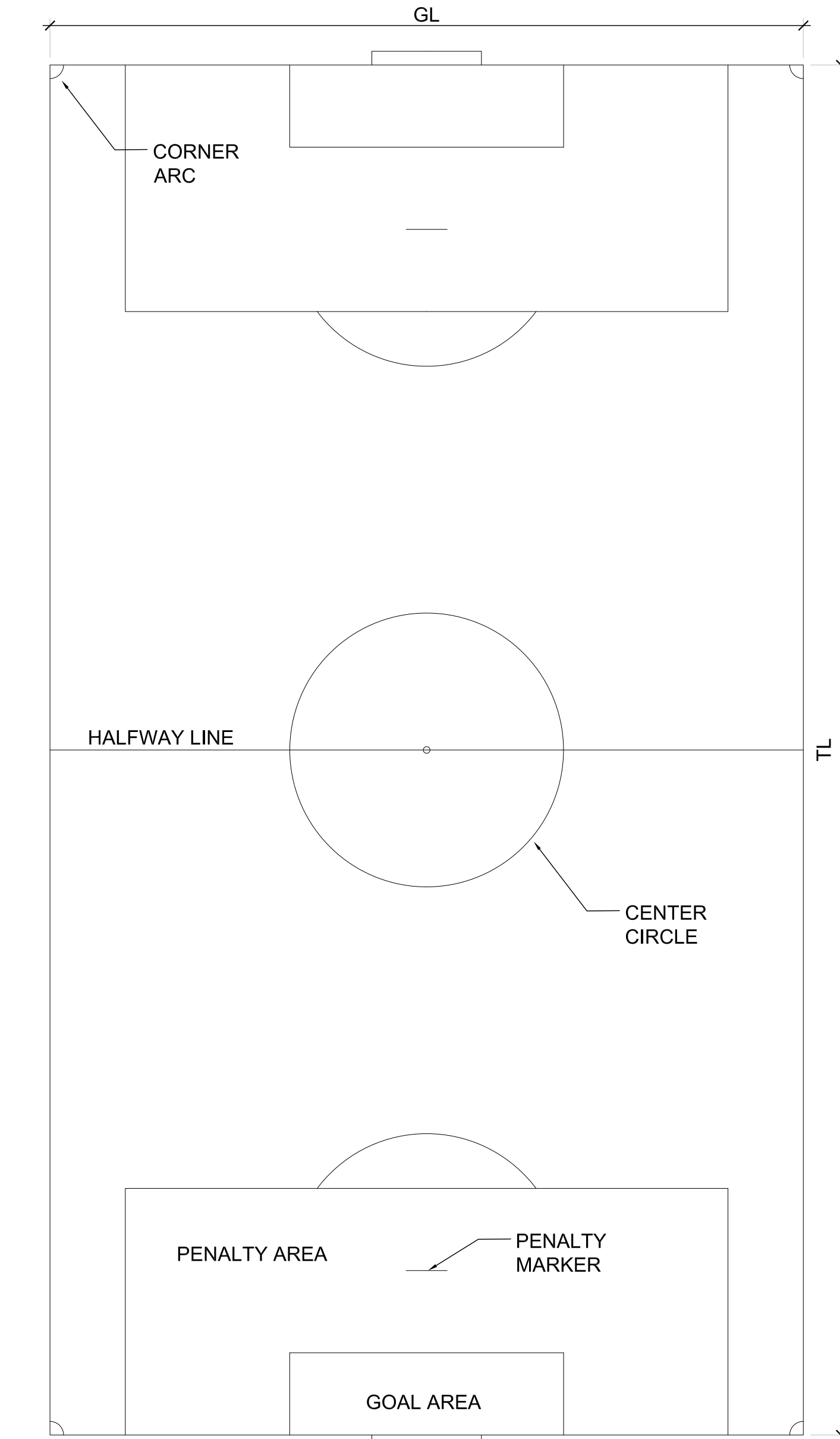
REVISIONS NO.	DATE	REMARKS	BY



- A. PITCHING DISTANCE - 43'
- B. HOME PLATE TO SECOND BASE - 84'-10 1/4"
- C. HOME PLATE TO BACKSTOP - 25'-0"
- D. BASE LINE - 60'-0"
- E. FOUL LINE - 210'-0"
- F. CENTER FIELD - 210'-0"
- G. PITCHER'S CIRCLE RADIUS - 8'-0"
- H. SIZE OF COUACHES' BOX- 4'X8'
- I. GRASS LINE RADIUS - 60'-0"
- J. ARC AROUND HOME PLATE - 15'-0"
- K. BASEPATH WIDEN - 30'-0"
- L. ON-DECK CIRCLE - 5'-0" DIA.

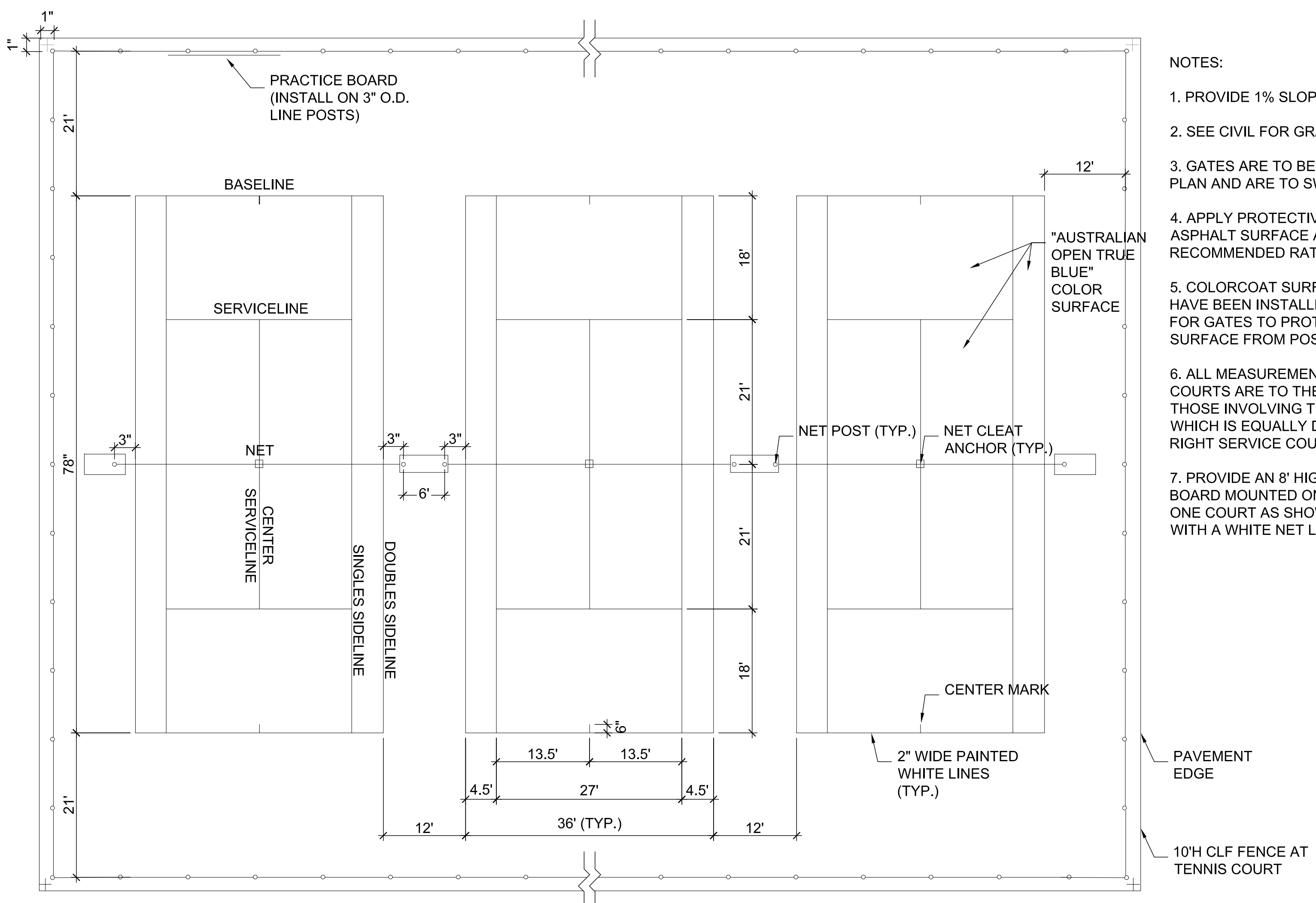


**1** SOFTBALL FIELD LAYOUT  
Scale: NTS



- FIELD SIZE (YARDS) - 50 X 35
- TOUCH LINE (TL) - 150'
- GOAL LINE (GL) - 105'
- CIRCLE AND PENALTY ARC RADIUS - 30' R
- GOAL WIDTH - 24'
- GOAL HEIGHT - 6'-6"
- CORNER ARC - 9'
- PENALTY AREA - 54' X 132'
- GOAL AREA - 18' X 60'
- PENALTY SPOT FROM MID-GOAL - 36'

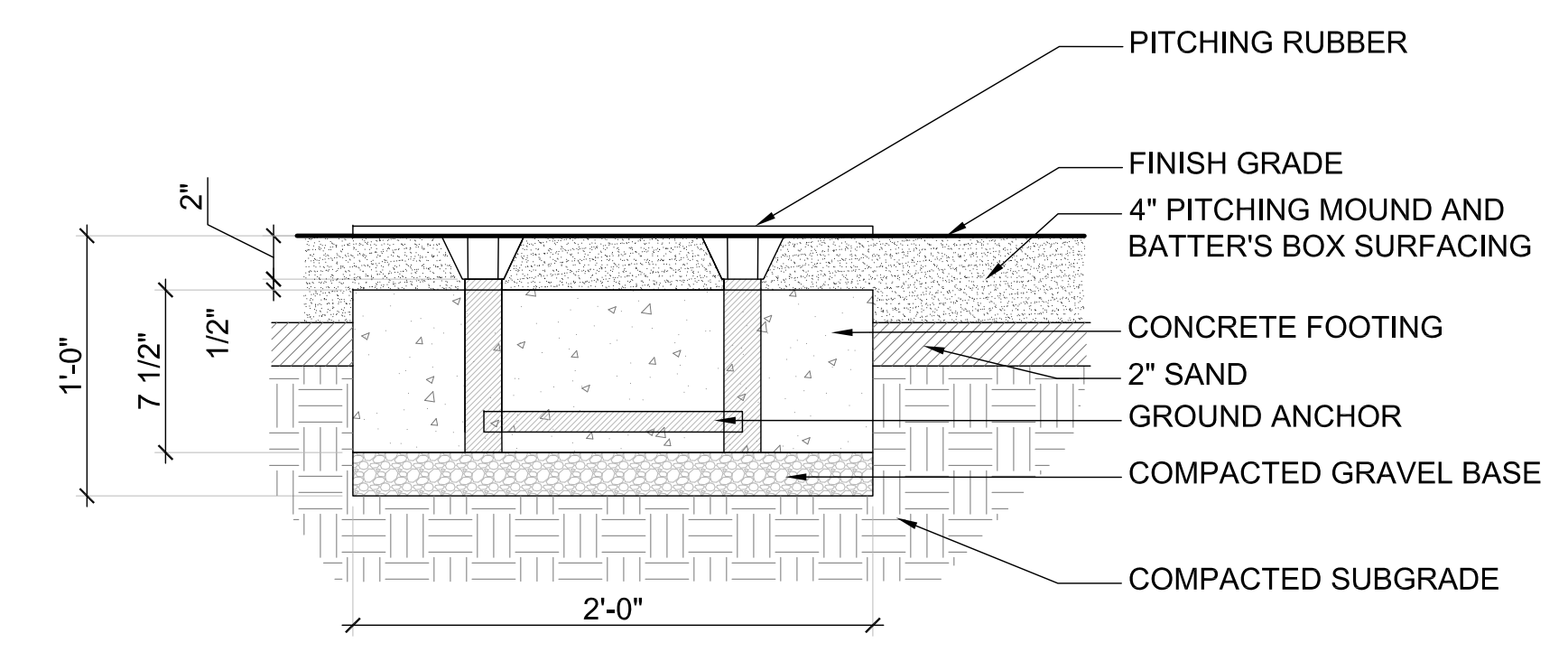
**2** SOCCER FIELD LAYOUT  
Scale: NTS



- NOTES:
- PROVIDE 1% SLOPE ACROSS COURT.
  - SEE CIVIL FOR GRADING AND PAVING DETAIL.
  - GATES ARE TO BE LOCATED AS SHOWN ON SITE PLAN AND ARE TO SWING OUT.
  - APPLY PROTECTIVE COLORCOATING ON SMOOTH ASPHALT SURFACE AT MANUFACTURER'S RECOMMENDED RATE.
  - COLORCOAT SURFACE AFTER FENCE AND GATES HAVE BEEN INSTALLED. PROVIDE CHAIN AND LOCK FOR GATES TO PROTECT THE COLORCOATED SURFACE FROM POSSIBLE VANDALISM.
  - ALL MEASUREMENTS FOR LINE STRIPING OF COURTS ARE TO THE OUTSIDE OF LINES, EXCEPT THOSE INVOLVING THE CENTER SERVICE LINE WHICH IS EQUALLY DIVIDED BETWEEN LEFT AND RIGHT SERVICE COURTS.
  - PROVIDE AN 8" HIGH BY 16" WIDE PRACTICE BOARD MOUNTED ON THE FENCE AT THE END OF ONE COURT AS SHOWN, TO BE PAINTED GREEN WITH A WHITE NET LINE.

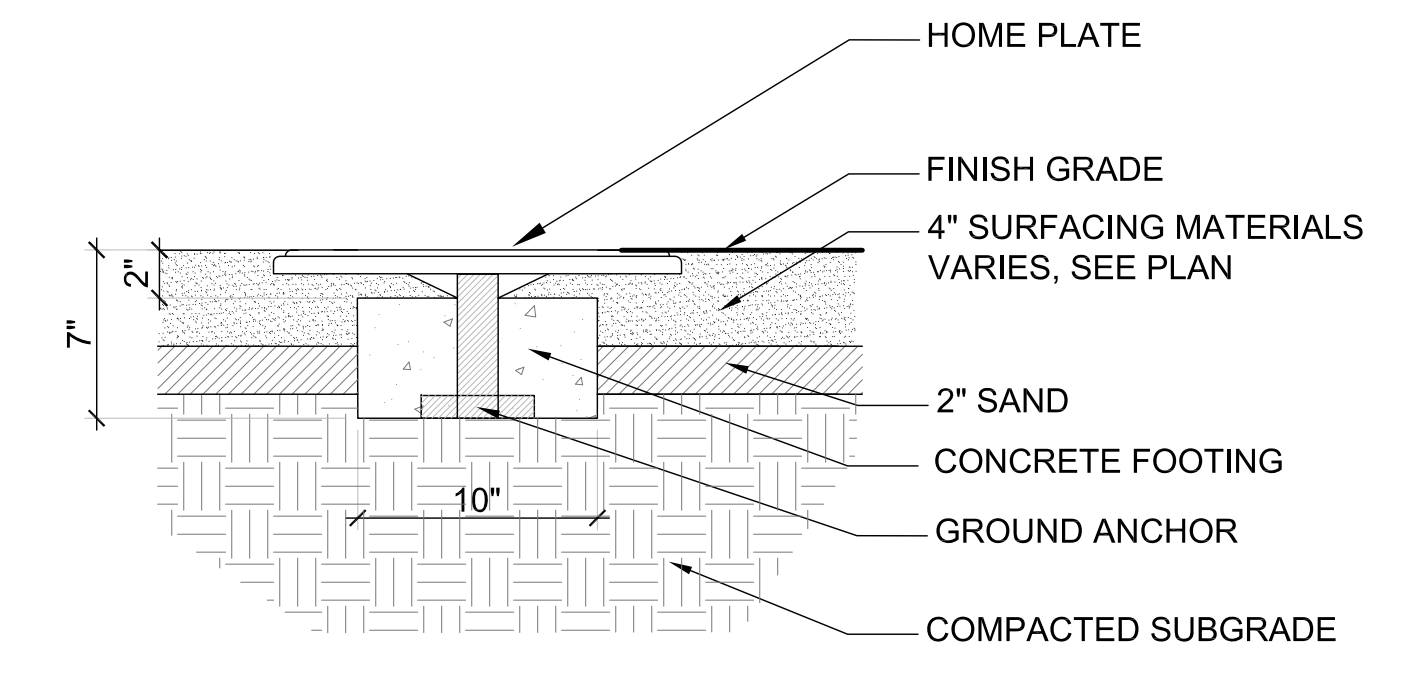
**3** TENNIS COURT LAYOUT/LINE STRIPING DETAIL  
Scale: 1"=1'-0"

NOTE:  
KEEP GROUND ANCHORS COVERED WITH BB-PLUG WHEN NOT IN USE TO PREVENT DIRT FROM GETTING INTO THE ANCHOR.



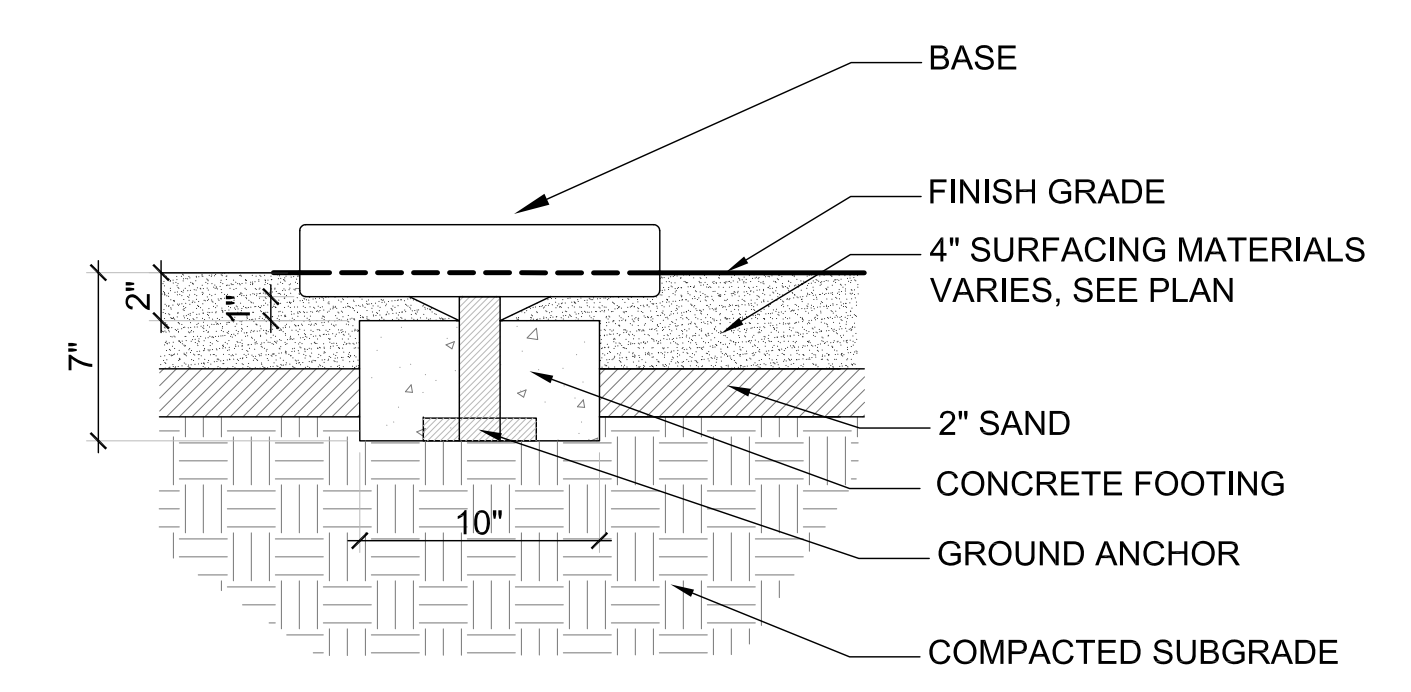
**4** REMOVABLE PITCHERS PLATE  
Scale: 1 1/2"=1'-0"

NOTE:  
KEEP GROUND ANCHORS COVERED WITH BB-PLUG WHEN NOT IN USE TO PREVENT DIRT FROM GETTING INTO THE ANCHOR.



**5** HOME PLATE  
Scale: 1 1/2"=1'-0"

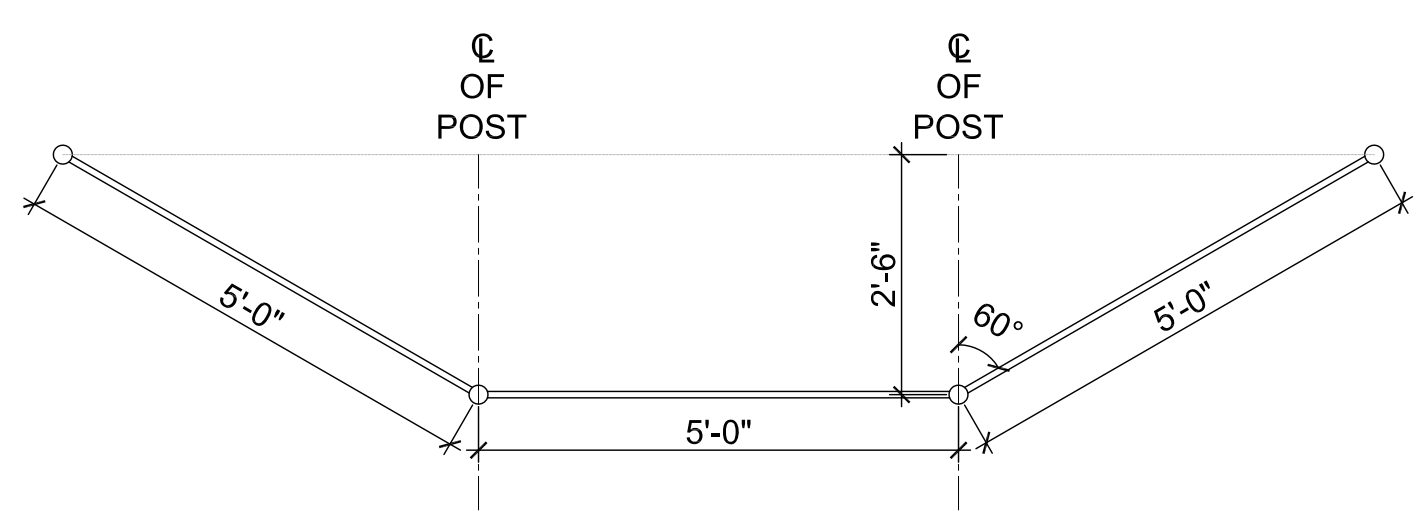
NOTE:  
KEEP GROUND ANCHORS COVERED WITH BB-PLUG WHEN NOT IN USE TO PREVENT DIRT FROM GETTING INTO THE ANCHOR.



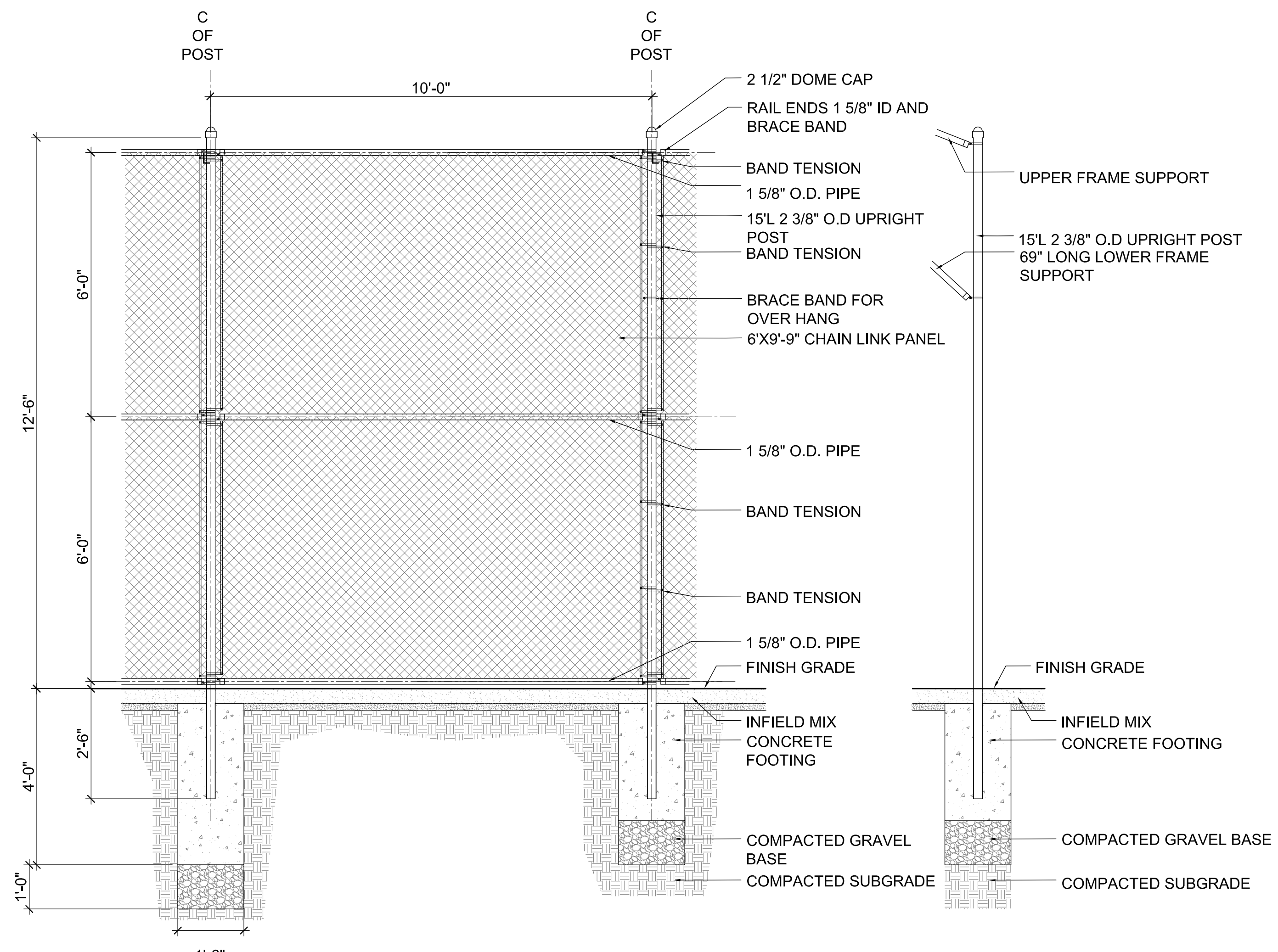
**6** BASE  
Scale: 1 1/2"=1'-0"

**KEYPLAN**

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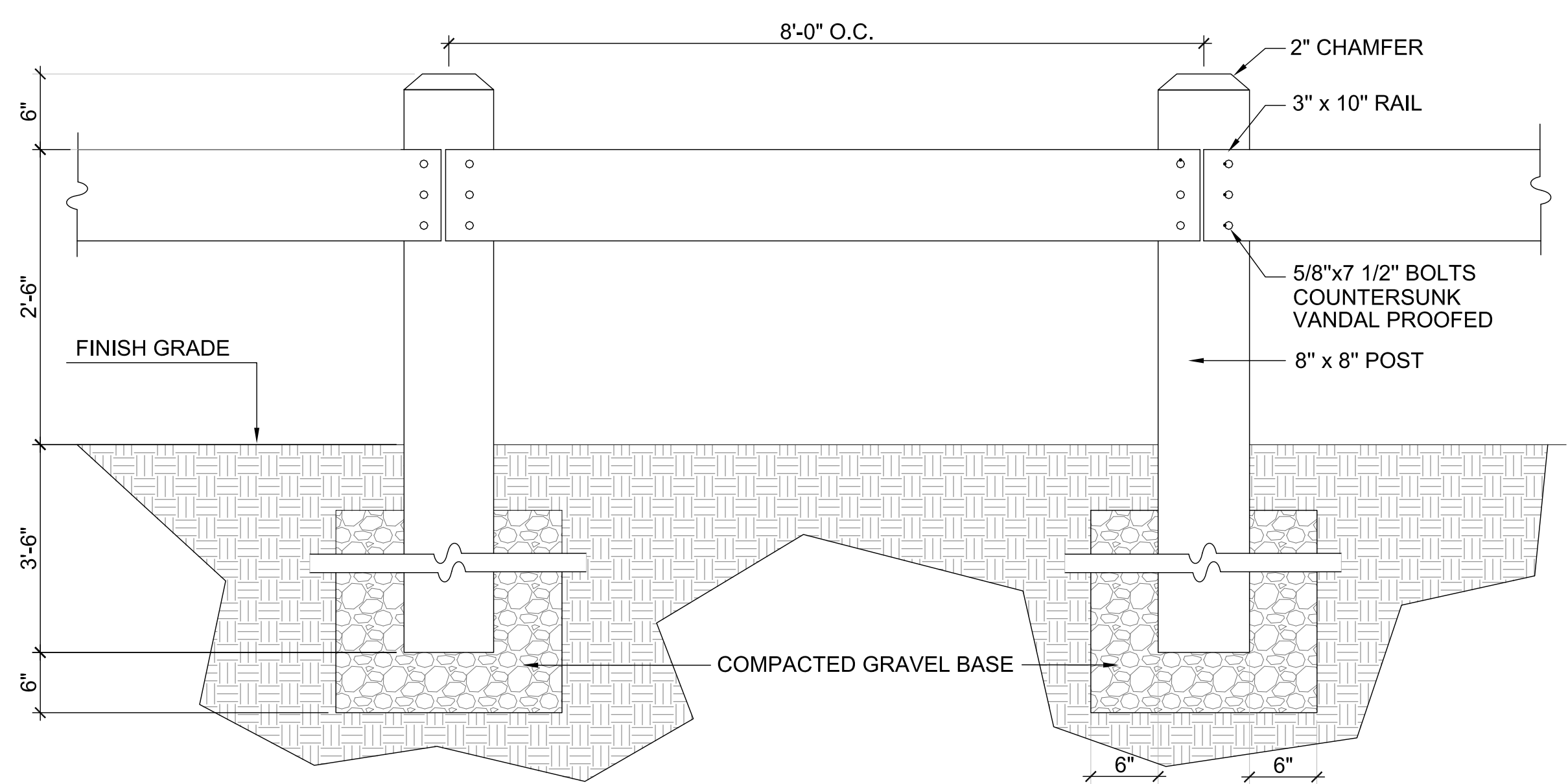
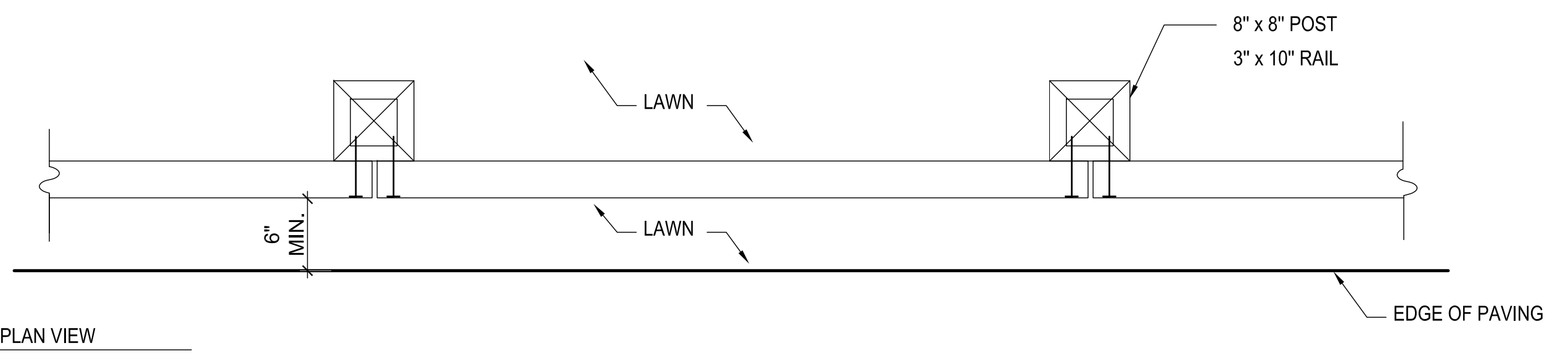


A. FOOTING LAYOUT - PLAN  
SCALE: 1/4" = 1'-0"



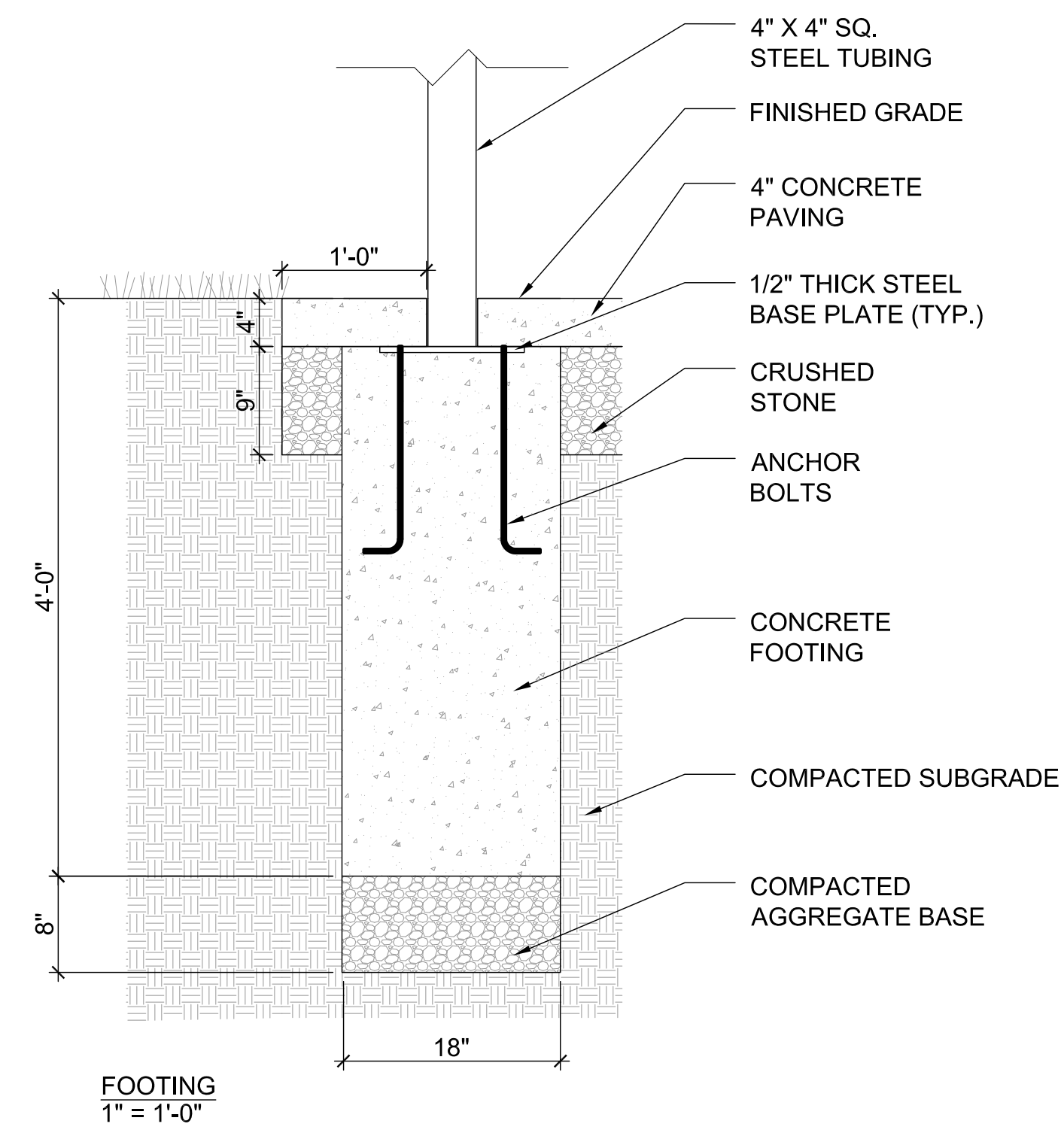
A. FOOTING AND FENCE DETAIL  
SCALE: 1/2" = 1'-0"

1 BACKSTOP

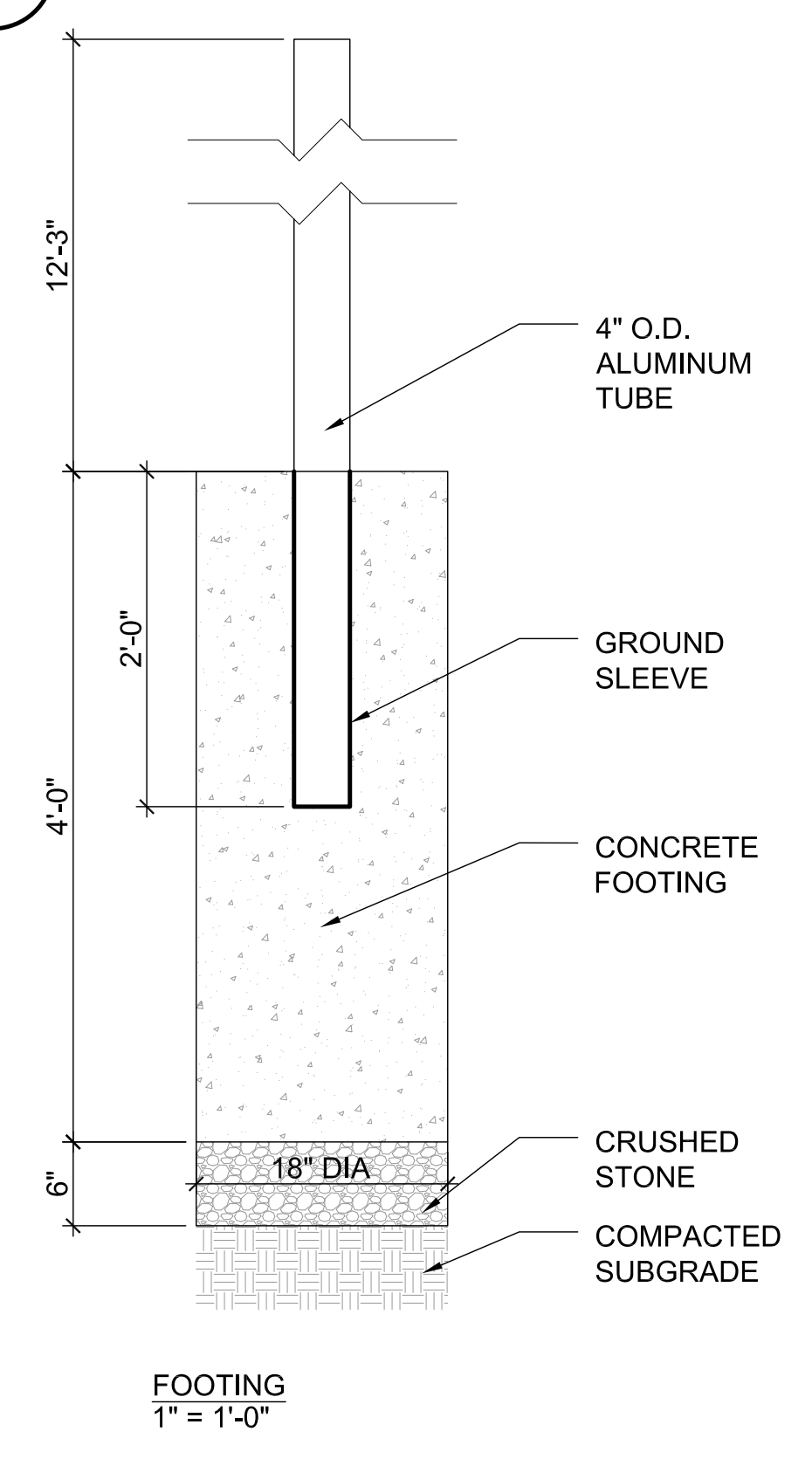


- NOTES:  
1. ALL WOOD TO BE PRESSURE TREATED, SELECT PINE GRADE 'B' OR BETTER  
2. ALL HARDWARE TO BE GALVANIZED  
3. SET POSTS 3' - 6" DEEP IN WELL-TAMPED GRAVEL BACKFILL

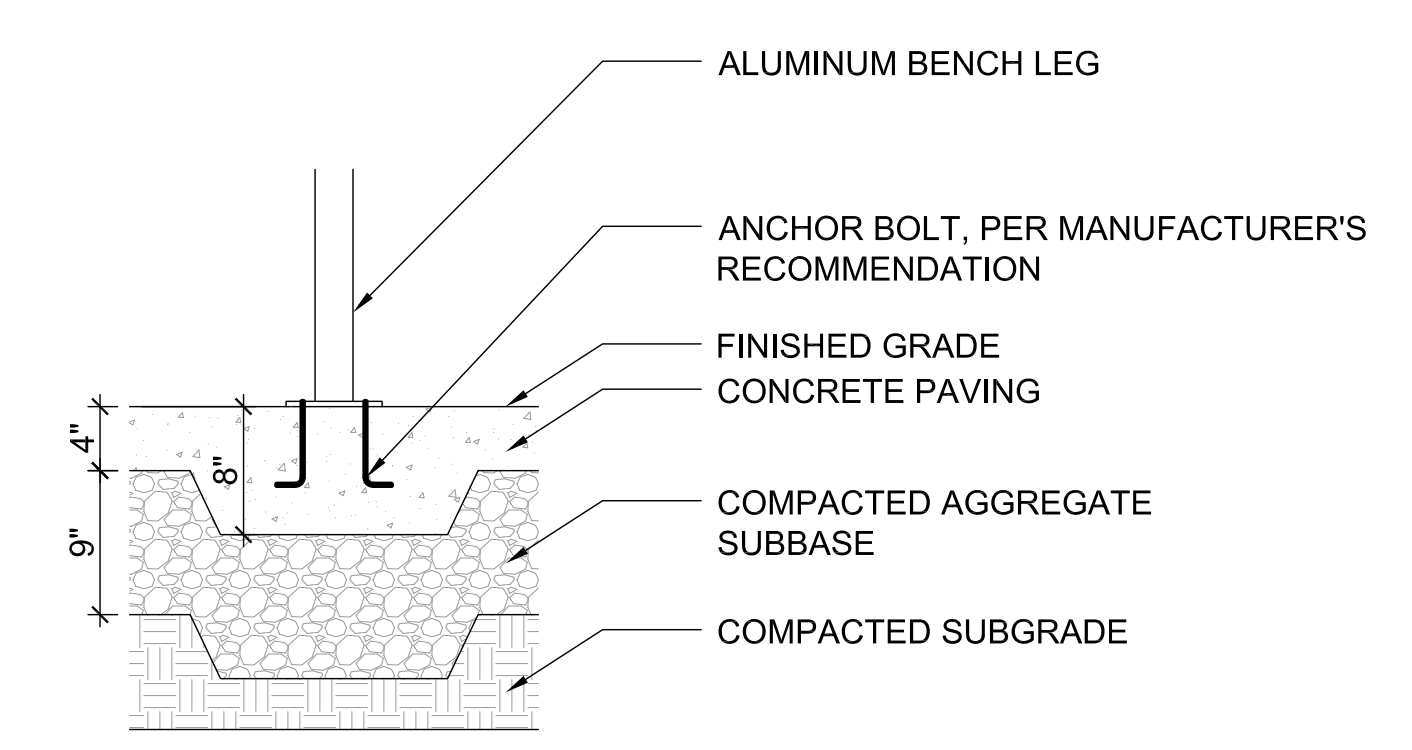
5 WOOD GUARDRAIL  
Scale: 1"=1'-0"



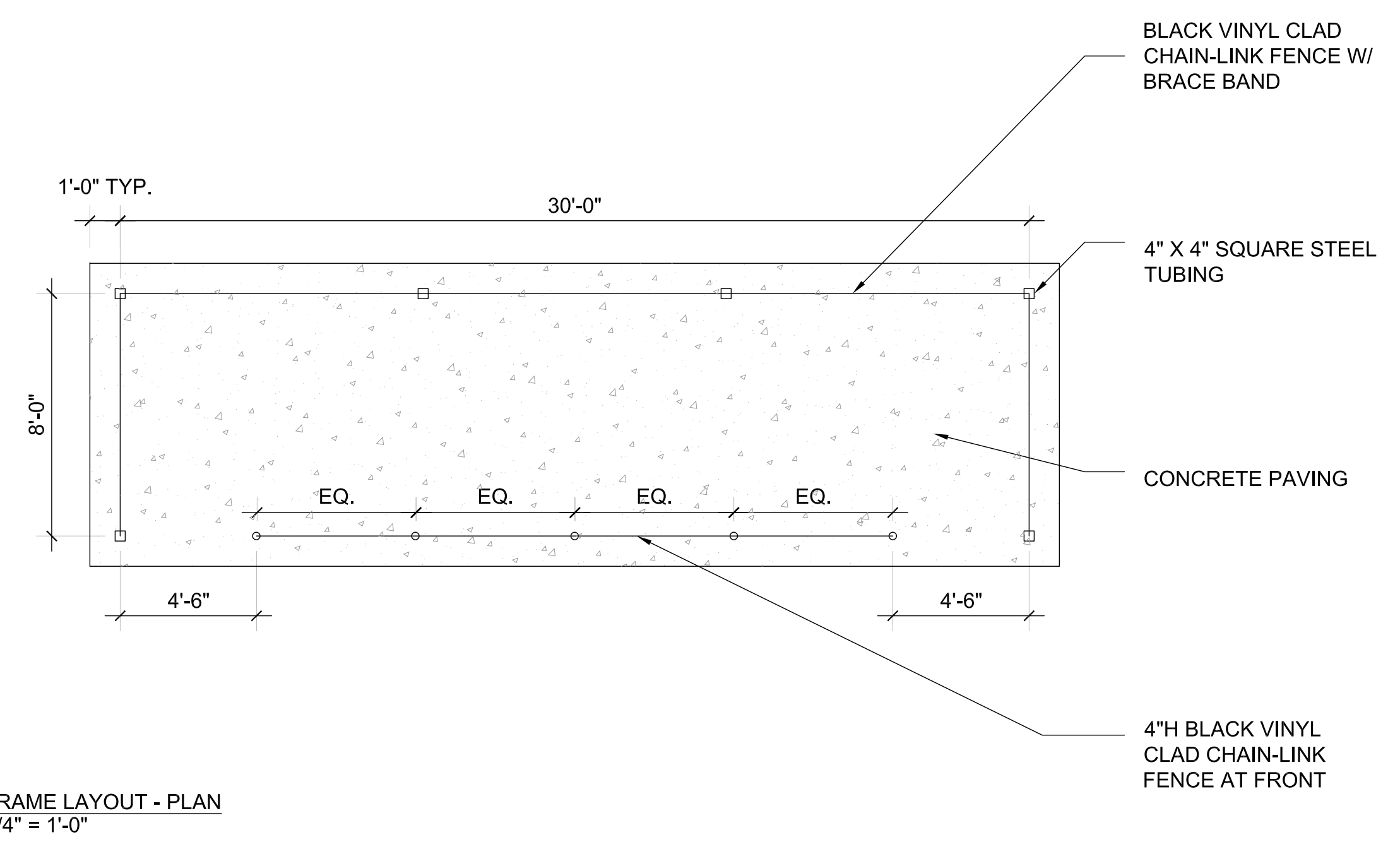
2 DUGOUT FENCE



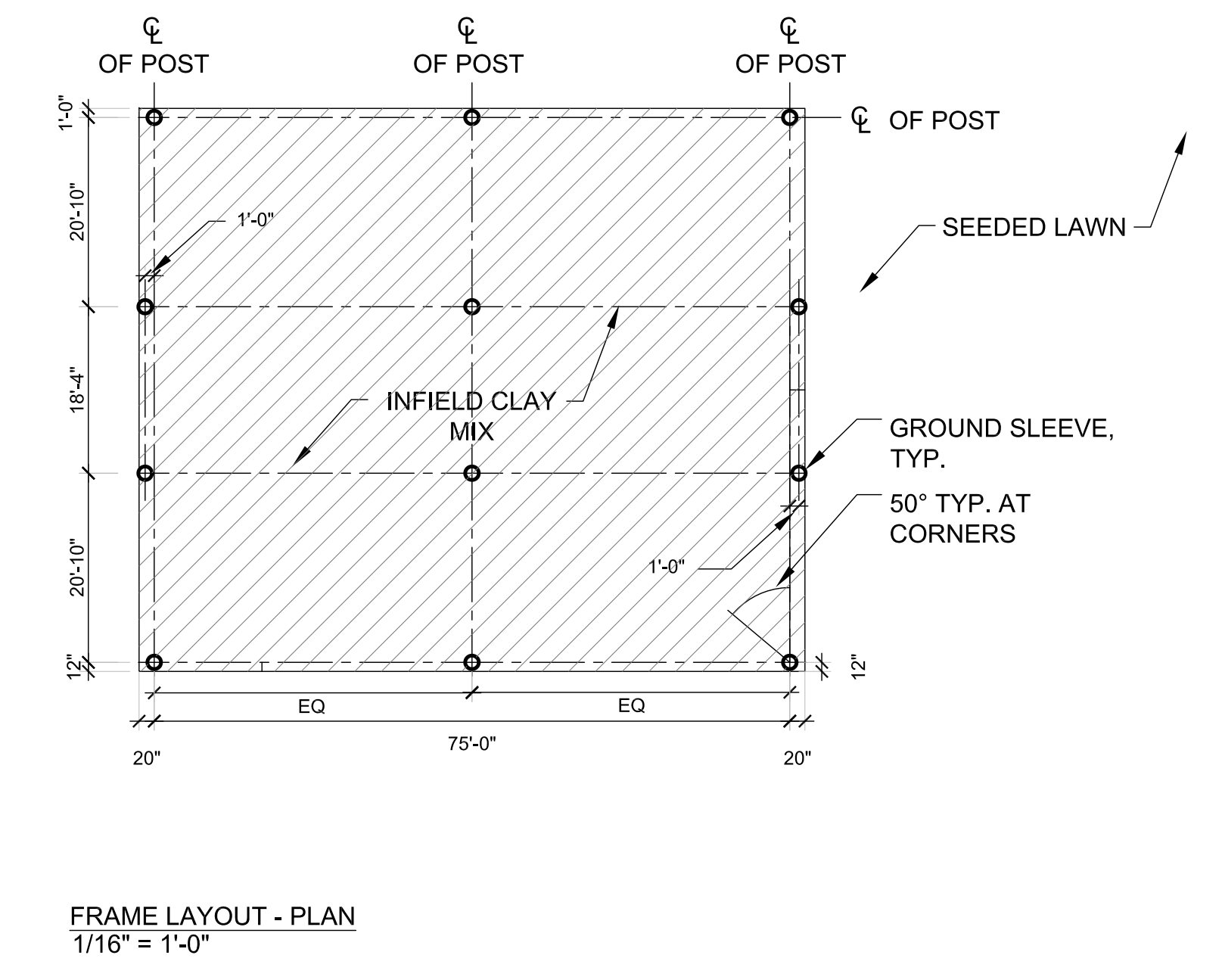
3 DOUBLE BATTERY CAGE



4 DUGOUT BENCH  
Scale: 1"=1'-0"



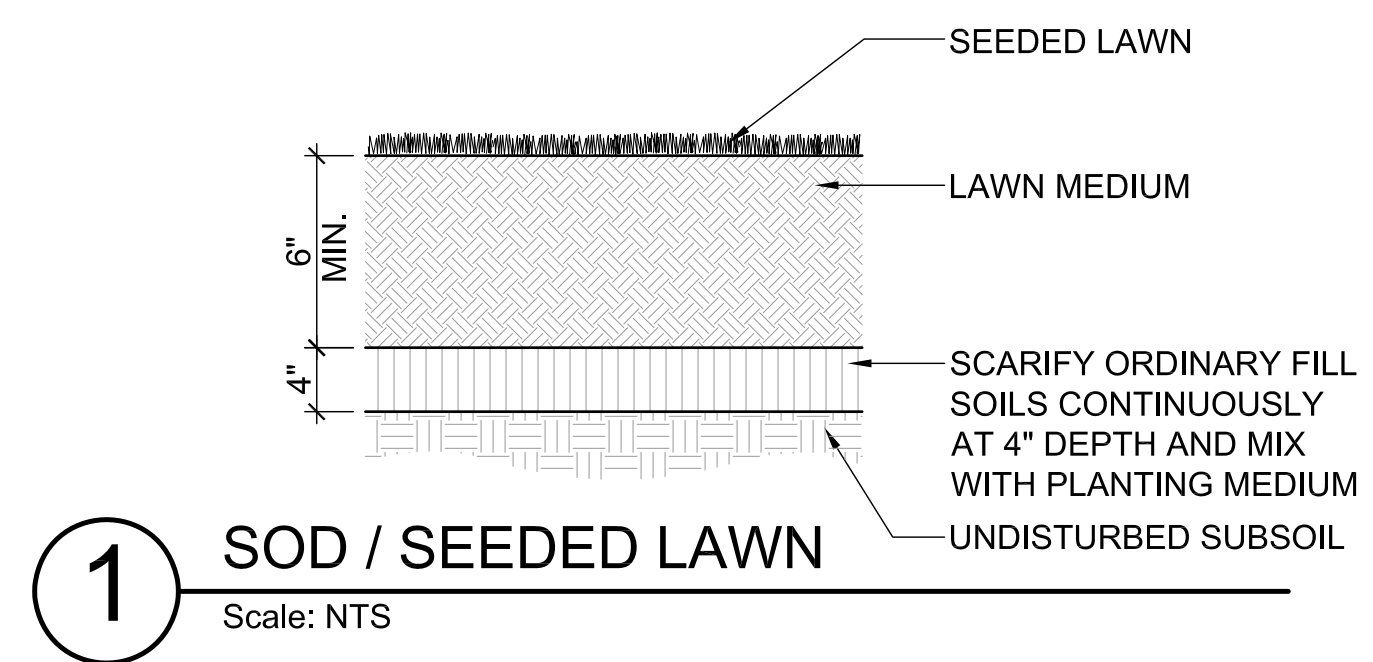
FRAME LAYOUT - PLAN  
1/4" = 1'-0"



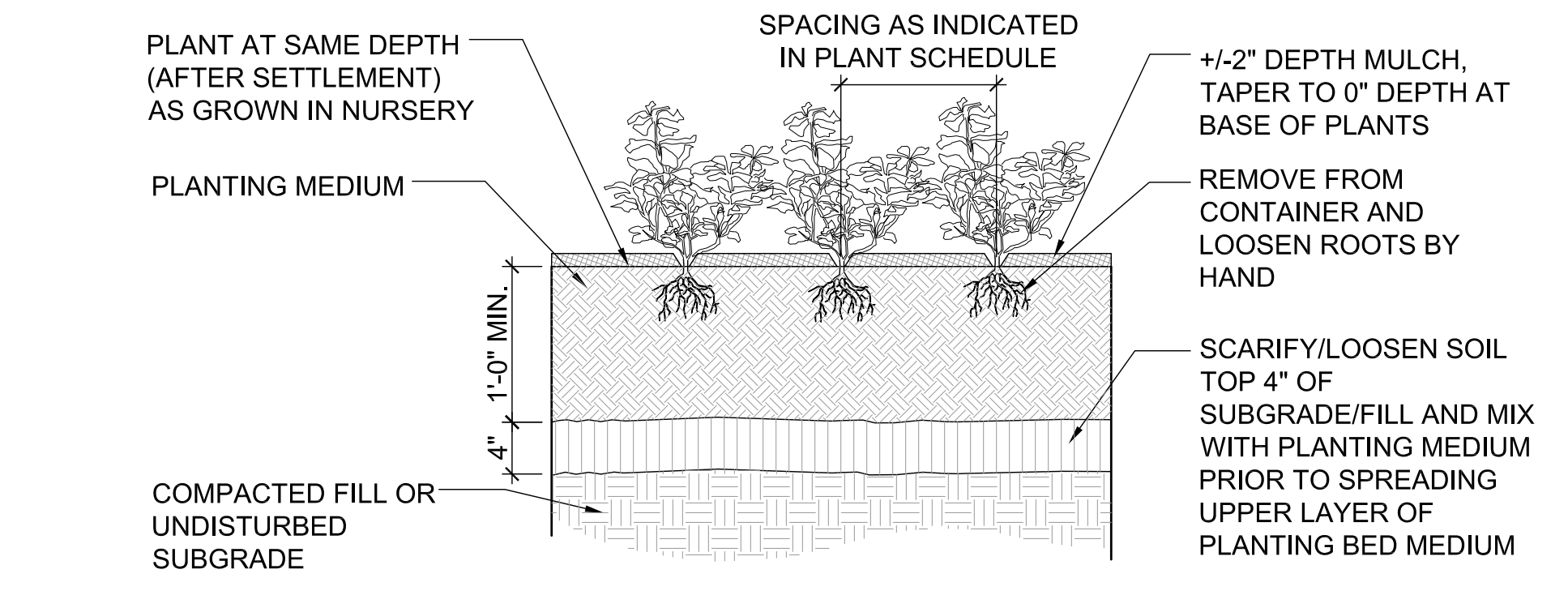
FRAME LAYOUT - PLAN  
1/16" = 1'-0"

KEYPLAN

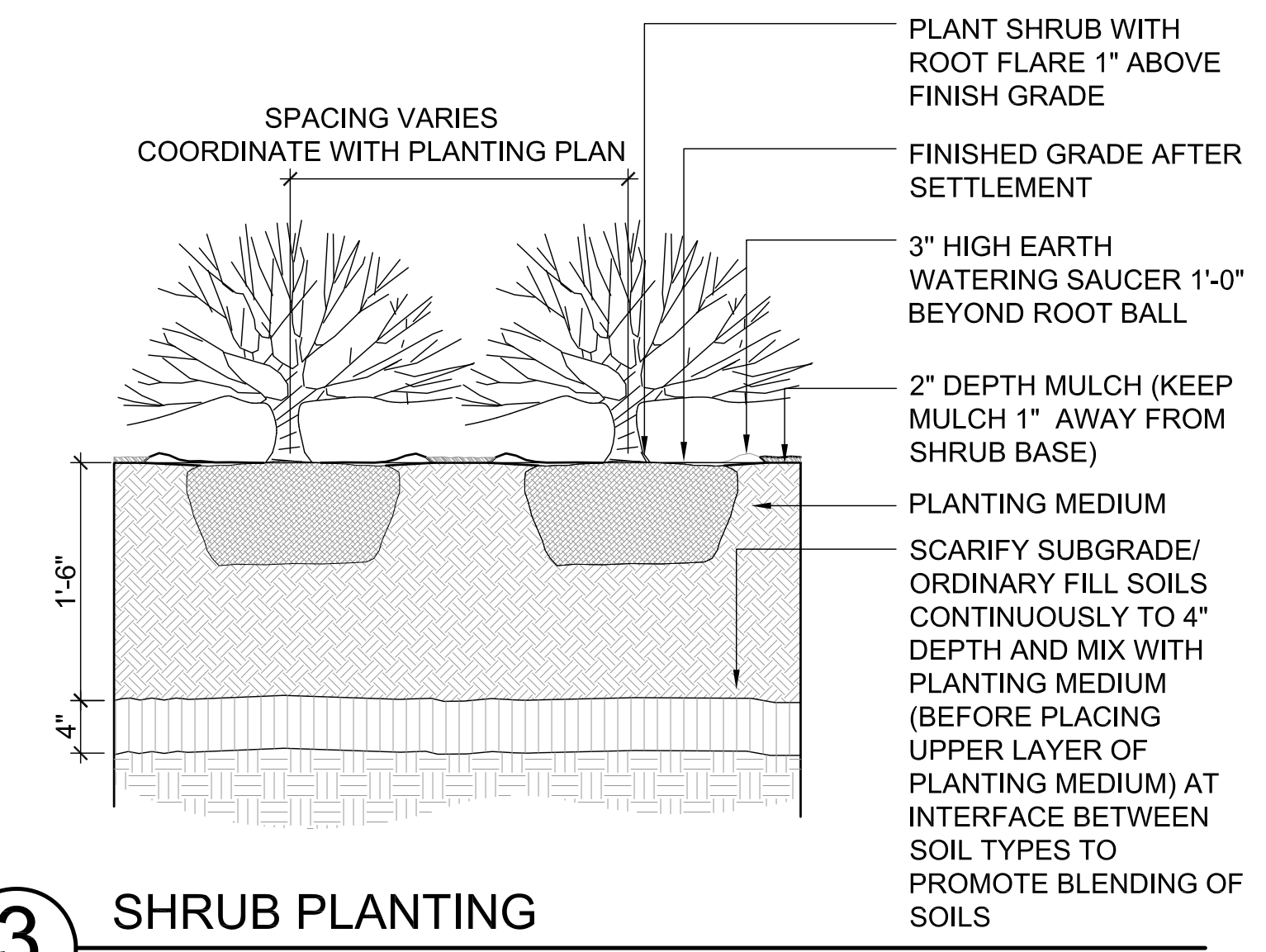
REVISIONS NO.	DATE	REMARKS	BY
A	8/25/2016	ADDENDUM A	



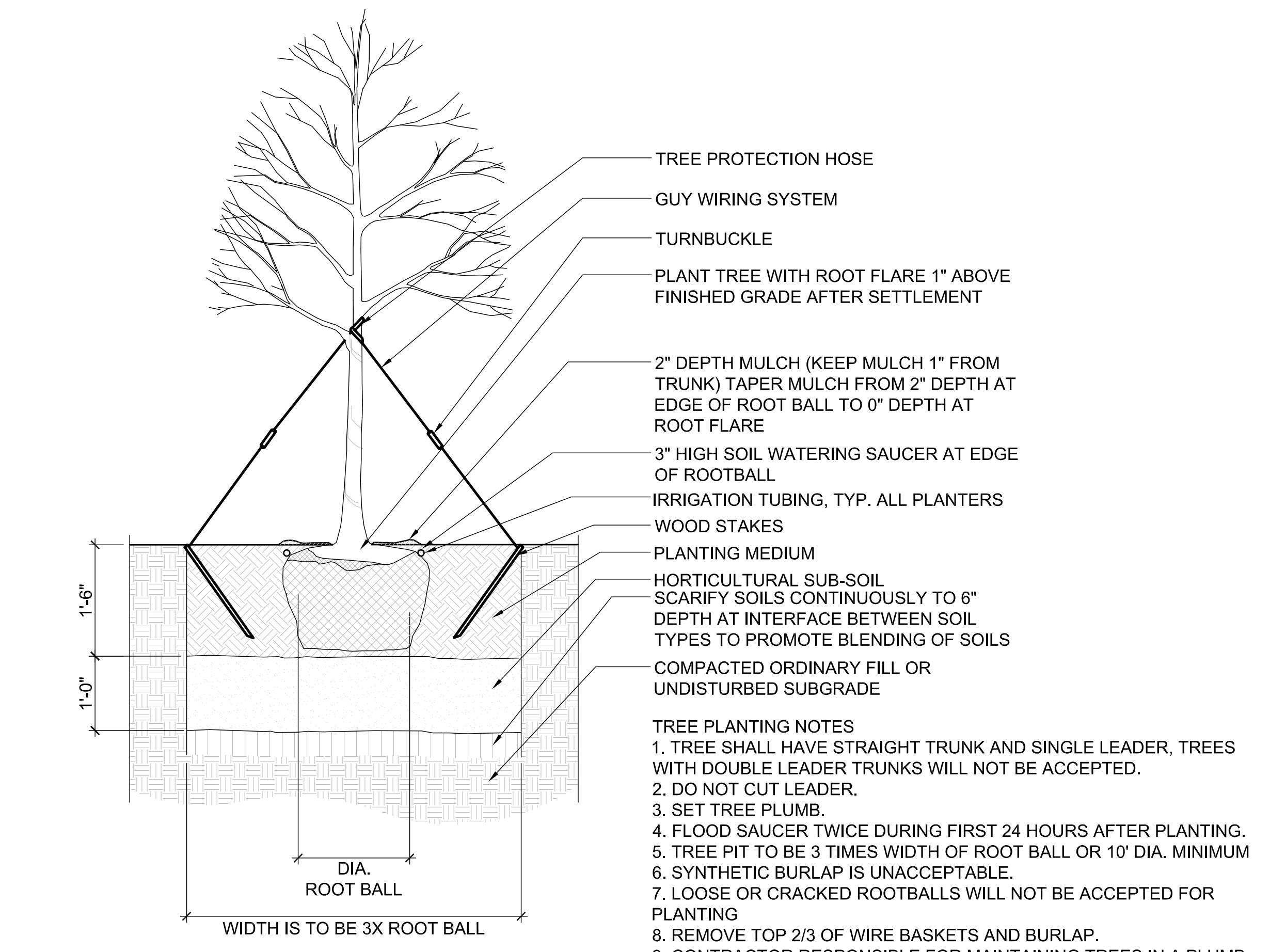
**1** SOD / SEEDED LAWN  
Scale: NTS



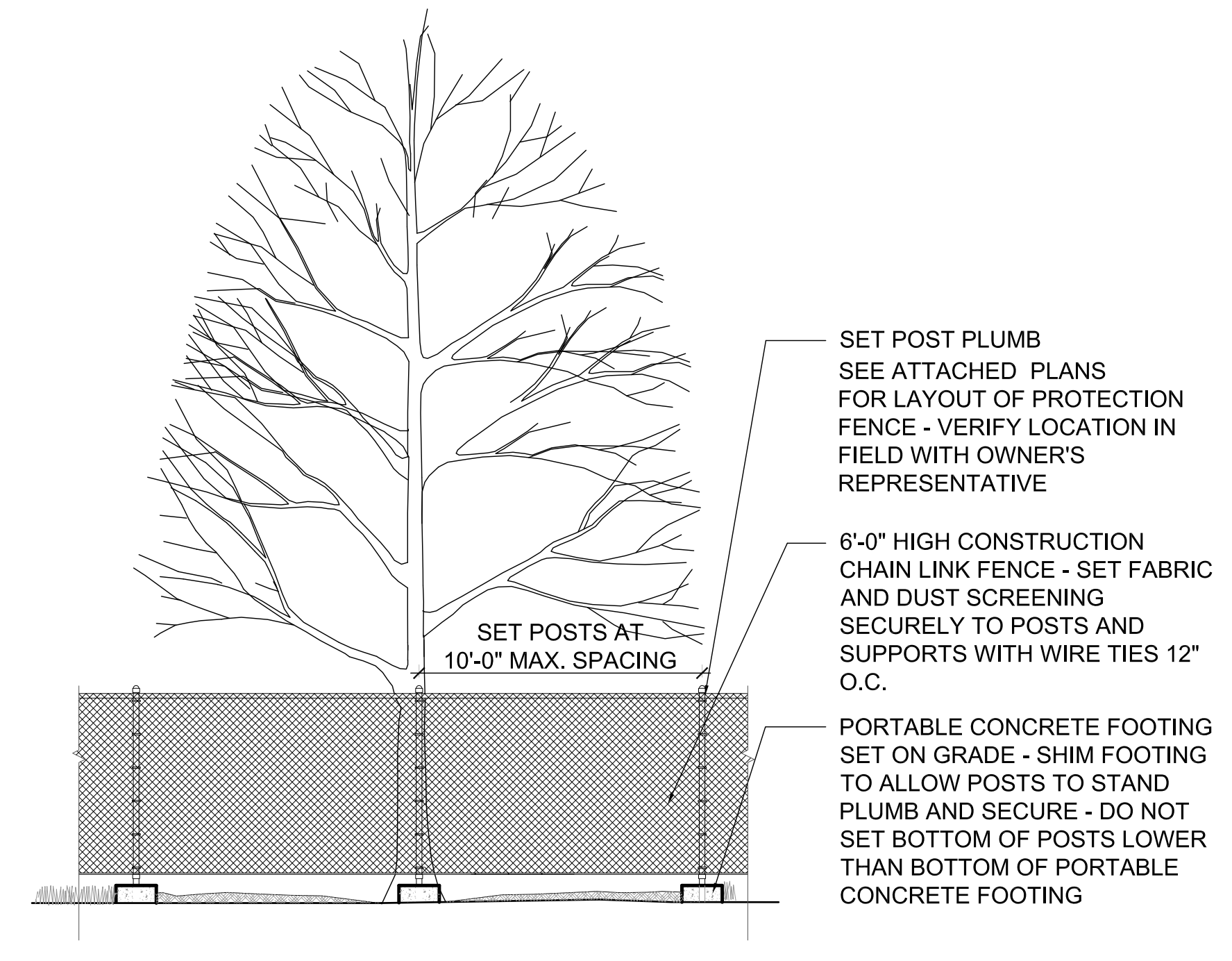
**2** GROUNDCOVER, PERENNIAL AND ANNUAL PLANTING  
Scale: NTS



**3** SHRUB PLANTING  
Scale: NTS



**4** DECIDUOUS TREE PLANTING  
Scale: 3/4"=1'-0"



**5** TREE PROTECTION FENCE  
Scale: 1/4"=1'-0"

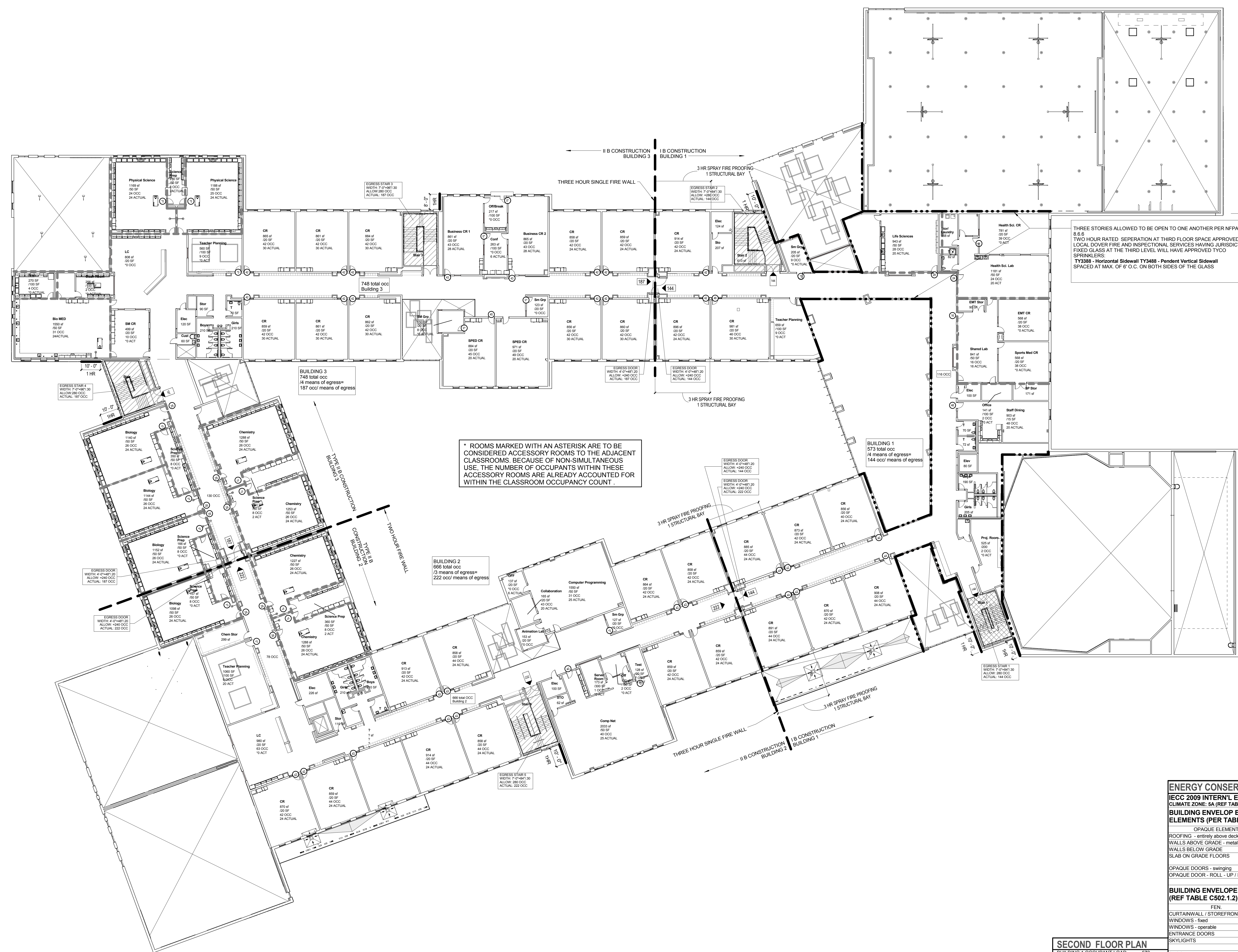
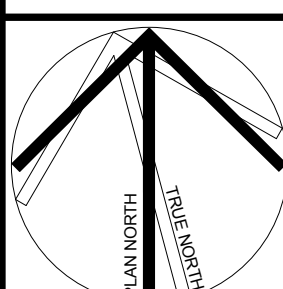
**KEYPLAN**

REVISIONS NO.	DATE	REMARKS	BY









**ENERGY CONSERVATION REVIEW**  
**IECC 2009 INTERN'L ENERGY CONSERVATION CODE**  
 CLIMATE ZONE: 5A (REF. TABLE 301.1)  
**BUILDING ENVELOPE REQUIREMENTS - OPAQUE ELEMENTS (PER TABLE C502.1.2 & C402.2)**

OPAQUE ELEMENT	REQUIRED	PROVIDED
ROOFING - entirely above deck	R=2.0	
WALLS ABOVE GRADE - metal framed	R=13+7.5ci	
WALLS BELOW GRADE	R=7.5ci	
SLAB ON GRADE FLOORS	R=15 for 24" below	
OPAQUE DOORS - swinging	U=0.70	
OPAQUE DOOR - ROLL - UP / SLIDING	U=50	

**BUILDING ENVELOPE REQUIREMENTS - FENESTRATION (REF TABLE C502.1.2)**

FEN.	REQUIRED	PROVIDED
CURTAINWALL / STOREFRONT	U=0.45	
WINDOWS - fixed	U=0.55	
WINDOWS - operable	U=0.55	
ENTRANCE DOORS	U=0.80	
SKYLIGHTS	U=0.60	

**SECOND FLOOR PLAN**

BUILDING 1 OCCUPANT LOAD	573
EGRESS CAPACITY STAIRS	280
EGRESS CAPACITY DOORS	480
TOTAL CAPACITY ALLOWED	760
BUILDING 2 OCCUPANT LOAD	666
EGRESS CAPACITY STAIRS	280
EGRESS CAPACITY DOORS	480
TOTAL CAPACITY ALLOWED	760
BUILDING 3 OCCUPANT LOAD	748
EGRESS CAPACITY STAIRS	560
EGRESS CAPACITY DOORS	480
TOTAL CAPACITY ALLOWED	1,040

REVISIONS NO.	DATE	REMARKS	BY
B	09/01/2016	ADDENDUM B	

**A0.2**

MASTER ABBREVIATION LIST

AA	AUDIBLE ALARM	EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	IWB	INTERACTIVE WHITE BOARD	QT-CB	QUARRY TILE COVE	TP-S	TOILET PAPER - SURFACE MOUNTED
AC	AIR CONDITIONING	EJ	EXPANSION JOINT	JST	JOIST	QTY	QUANTITY	TS	TOTE STORAGE UNIT
ACCU	AIR COOLED CONDENSING UNIT	EJC	EXPANSION JOINT COVER	JT	JOINT	(R)	RELOCATED	TV	TELEVISION
ACOUS	ACOUSTICAL TILE	EL	ELEVATION	K	KIP (1000 LBF)	R	RADIUS OR RISER (PIPING)	TW	TEACHER WARDROBE UNIT
ACT	AIR CONDITIONING UNIT	ELEC	ELECTRICAL	KIT	KITCHEN	RA	RETURN AIR	TWF	THROUGH WALL FLASHING
ACU	AIR CONDITIONING UNIT	ELEV	ELEVATOR	KP	KEY PAD	RAF	RESILIENT ATHLETIC FLOORING	TYP	TYPICAL
AD	AREA DRAIN	EM	ENTRY MAT	KPL	KICK PLATE	RB	RESILIENT BASE	UH	UNIT HEATER
ADDL	ADDITIONAL	EM-R	ENTRY MAT-RECESSED	LAB	LABORATORY	RBRF	RUBBER FLOORING	UNFIN	UNFINISHED
ADJ	ADJUSTABLE, ADJACENT	EM-S	ENTRY MAT SURFACE MOUNTED	LAM	LAMINATE, LAMINATION	RCP	REFLECTED CEILING	UNO	UNLESS NOTED OTHERWISE
AFF	ABOVE FLOOR FINISH	EMER	EMERGENCY	LAV	LAVATORY	RD	ROOF DRAIN	UR	URNAL
AG	ACOUSTICAL GASKETS	EP	ELECTRICAL PANELBOARD	LB	POUND	RDS	ROOM DARKENING SHADES	UR-SC	URNAL SCREEN
AHU	AIR HANDLING UNIT	EQ	EQUAL	LF	LINEAR FOOT	RECPT	RECEPTACLE	US	UNIT SKYLIGHT
AL	ALUMINUM	EQU	EQUIPMENT	LG	LAMINATED GLASS	REC	RECESSED	VAC	VENTILATION AND AIR CONDITIONING
ALM	ALUMINUM	ES	ELECTRONIC STRIKE	LGT	LIGHT	REF	REFERENCE	VCB	VENTILATING COVE
ANO	ANODIZED	ETBR	EXISTING TO BE REMOVED	LIG	LAMINATED INSULATING GLASS	REFL	REFLECTED, REFLECTIVE, REFLECT	VCT	VINYL COMPOSITION TILE
AO	ACTUAL OPENING	ETR	EXISTING TO REMAIN	LIN	LINOLEUM	REG	REGISTER	VERT	VERTICLE
ANT	ACID NEUTRALIZATION TANK	EVAC	EMERGENCY VOICE EVACUATION PANEL	LKR	LOCKER	REINF	REINFORCED / REINFORCING	VEST	VESTIBULE
ANTMP	ACID NEUTRALIZATION TANK MONITORING PANEL	EWC	ELECTRIC WATER COOLER	LOC	LOCATION	REL	RELOCATE	VIF	VERIFY IN FIELD
AP	ACCESS PANEL	EXG	EXHAUST	LPT	LOW POINT	REM	REMOVABLE	VR	VAPOR RETARDER
APPRO	APPROXIMATE	EXH	EXHAUST	M	METER	REQ	REQUIRE, REQUIRED	VS	VENTED STORAGE UNIT
ARCH	ARCHITECTURAL	EXIST	EXISTING	MACH	MACHINE	RESIL	RESILIENT	VTR	VENT THROUGH ROOF
AS	ADJUSTIBLE SHELF	EXP	EXPOSED	MAINT	MAINTENANCE	REV	REVISION, REVISED	VWC	VINYL WALL COVERING
AUTO	AUTOMATIC	EXP-C	EXPOSED CONCRETE	MAS	MASONRY	RF	RESILIENT FLOORING	W	WITH
AV	AUDIO VISUAL	EXP-U	EXPOSED UNPAINTED	MAT	MATERIAL	RFG	REFRIGERATOR, ROOFING	W	WIDTH, WEST
AVB	AIR VAPOR BARRIER	EXT	EXTERIOR	MB-C	MARKERBOARD - UNDERCOUNTER	RFG-U	REFRIGERATOR - UNDERCOUNTER	WASH	WASHABLE ACOUSTIC TILE
AVGS	AUDIO VISUAL GENERAL STORAGE UNIT	FA	FIRE ALARM	MB	MARKERBOARD	RH	ROBE HOOK, ROOF HATCH	WAF	WOOF ATHLETIC ROOM FLOORING
BD	BOARD	FAA	FIRE ALARM ANNUNCIATION PANEL	MBF	MARBLE	RM	ROOM	WC	WATER CLOSET
BFS	BOTTLE FILLING STATION	FACP	FIRE ALARM CONTROL PANEL	MDF	MEDIUM DENSITY FIBERBOARD, MAIN DATA FRAME ROOM	RL	RAIN LEADER	WC-F	WATER CLOSET - FLOOR MOUNTED
BIT	BITUMINOUS	FB	FACE BRICK	MDO	MEDIUM DENSITY OVERLAY PLYWOOD	RO	ROUGH OPENING	WC-W	WATER CLOSET - WALL MOUNTED
BK	BOOKSHELF UNIT	FBG	FIBERGLASS	MEJ	M.E.J.	RP	RADIANT PANEL	WD	WOOD
BLDG	BUILDING	FC	FACE	M.E.J.	MASONRY	RS	OVERFLOW ROOF SCUPPER	WDB	WOOD BASE
BLKG	BLOCKING	FCU	FAN COIL UNIT	MEP	MECHANICAL PLUMBING	RSF	FLOORING SYSTEM	WDW	WINDOW
BM	BEAM	FD	FLOOR DRAIN	MEZ	MEZZANINE	RTD	RATED ELECTRICAL	WF	WIDE FLANGE
BNC	BENCH	FDC	FIRE DEPARTMENT CONNECTION	MEZZ	MEZZANINE	RTG	RATING	WFS	WOODS FLOORING SYSTEM
BOB	BOTTOM OF DECK	FDFC	FIRE DEPARTMENT VALVE CABINET	MFR	MANUFACTURER	RTU	ROOF TOP UNIT	WG	WIRE GLASS
BOM	BOTTOM OF MASONRY	FND	FOUNDATION	MSSV	MASTER GAS SHUT OFF VALVE	RVL	RAIN WATER LEADER	WH	WALL HYDRANT
BOS	BOTTOM OF STEEL	FE	FIRE EXTINGUISHER	MIC	MICROPHONE	SA	SUPPLY AIR	WKRM	WORK ROOM
BOT	BOTTOM	FE-S	FIRE EXTINGUISHER - RECESSED	MIRCO	MICROWAVE OVEN	SALV	SALVAGE	WM	WIREMOLD
BOW	BOTTOM OF WALL	FE-R	FIRE EXTINGUISHER - RECESSED	MIR	MIRROR	SB	SPLASH BLOCK	WO	WITHOUT
BRK	BRICK	FE-S	FIRE EXTINGUISHER - SURFACE MOUNTED	MISC	MISCELLANEOUS	SC	SOLID CORE	WPM	WATERPROOF MEMBRANE
BS	BRICK SHELF	FE-S	FIRE EXTINGUISHER - SURFACE MOUNTED	MO	MASONRY OPENING	SD	SCHEDULE	WPNT	WATER BASED EPOXY PAINT
BSMT	BASEMENT	FEC	FIRE EXTINGUISHER CABINET	MR	MOISTURE RESISTANT	SR-R	SOAP DISPENSER - RECESSED	WPR	WATERPROOFING
BUR	BUILT-UP ROOFING	FF & E	FURNITURE, FURNISHINGS & EQUIPMENT	MTD	MOUNTED	SD-S	SOAP DISPENSER - SURFACE MOUNTED	WPT	WORKING POINT
BYD	BEYOND	FF & E	FURNITURE, FURNISHINGS & EQUIPMENT	MTG	MOUNTING	SECT	SECTION	WR	WASTE RECEPTACLE
CAB	CABINET	FFEL	FINISH FLOOR ELEVATION	MUL	MULLION	SF	SQUARE FEET/FOOT	WR-SR	WASTE RECEPTACLE - SEMI-RECESSED
CAF	CAFETERIA	FG	FIBERGLASS	N	NORTH	SFRPF	SPRAY FIREPROOFING	WR-R	WASTE RECEPTACLE - RECESSED
CAF	CAFETERIA	FHC	FIRE HOSE CABINET	NA	NOT APPLICABLE	SG	SNOW GUARD	WS	WEATHERSTRIPPING
CAM	CAMERA	FIN	FINISH	NC	NOISE CRITERIA	SGFT	STRUCTURAL GLASS FACING TILE	WSCT	WAINSCOT
CATV	CABLE TV	FKT	FLOOR	NO	NUMBER	SH	SPRINKLER HEAD	WT	WEIGHT
CB	CATCH BASIN, CHILLED BEAM	FL	FLOOR	NOM	NOMINAL	SHT	SHEET	WW	WALL TO WALL
CBU	CEMENTITIOUS BACKER UNIT	FLSH	FLASHING	NSF	NET SQUARE FEET	SHT	SHOWER	WWF	WELDED WIRE FABRIC
CCV	CLOSED CIRCUIT TV	FLG	FLOORING	NTS	NOT TO SCALE	SHR	SHOWER	-	INCHES
CEM	CEMENT	FLQR	FLOURESCENT	OA	OUTSIDE AIR	SHR	SIMILAR	-	FEET
CER	CERAMIC	FO	FACE OF (SEE OTHER WORD)	OC	ON CENTER	SK	SINK	-	DIAMETER
CF	CONCRETE FLOOR FINISH SYSTEM	FOC	FACE OF CONCRETE	OC	ON CENTER EACH WAY	SK	SINK	-	APPROXIMATE DIMENSION
CG	CORNER GUARD	FOF	FACE OF FINISH	OC	ON CENTER EACH WAY	SND-PM	SANITARY NAPKIN DISPOSAL - RECESSED	@	DEGREE PLATE
CH	CHALK BOARD	FOS	FACE OF STUD	OD	OUTSIDE DIAMETER / DIMENSION	SND-R	SANITARY NAPKIN MOUNTED	Ø	DIAMETER
CHAN	CHANNEL	FP	FIRE PROTECTION	OF	OFFICE	SND-S	SANITARY NAPKIN DISPOSAL - RECESSED	±	APPROXIMATE DIMENSION
CI	CAST IRON	FR	FRAME	OFI	OWNER FURNISHED, OWNER INSTALLED	OFF	OFFICE	°	DEGREE
CIP	CAST IN PLACE CONCRETE JOINT, CONSTRUCTION JOINT	FRG	FIRE RATED GLASS	OFI	OWNER FURNISHED, OWNER INSTALLED	OFF	OFFICE	PLATE	
CL	CENTER LINE	FPR	FIBER REINFORCED POLYESTER	OFF	OFFICE	OH	OVER HEAD		
CLG	CENTRAL LINE	FRT	FIRE RETARDANT TREATED	OH	OVER HEAD	OHD	OVERHEAD DOOR		
CLO	CLOSET	FRTW	FIRE RETARDANT TREATED WOOD	OPN	OPENING	OPN	OPENING		
CLR	CLEAR	FS	FIXED SHELF	OPP	OPPOSITE	OPPH	OPPOSITE HAND		
CMU	CONCRETE MASONRY UNIT	FT	FEET	OPPH	OPPOSITE	ORD	OVERFLOW ROOF DRAIN		
CNTR	COUNTER	FTG	FOOTING	OS	OCCUPANCY SENSOR	OS	OCCUPANCY SENSOR		
CO	CLEANOUT	FTR	FIN TUBE RADIATION	OUTS	OUTSIDE	SOD	SLAP ON DECK		
COL	COLUMN	FURN	FURNITURE	PAR	PARALLEL	SOG	SLAP ON GRADE PAVING		
CONC	CONCRETE	FUR	FURNISHINGS	PARTN	PARTITION	SPEC	SPECIFICATION		
CONC-P	CONCRETE PAD	FWP	FABRIC WRAPPED PANEL	PAY	PAVING	SP	STANDPIPE		
CONN	CONNECTION	FZR	FREEZER	PCT	PORCELAIN CERAMIC TILE	SPK	SPEAKER		
CONST	CONSTRUCTION	G	GROUND	PCT	PORCELAIN CERAMIC TILE	SQ	SQUARE		
CONT	CONTINUOUS	GA	GAUGE/GAGE	PBD	PARTICLEBOARD	SSE	STRUCTURAL SLAB ELEVATION		
COORD	COORDINATE	GALV	GALVANIZED	PC	PRECAST CONCRETE	SS	STAINLESS STEEL		
CORR	CORRIDOR	GB	GRAB BAR	PNT	PAINT	SSK	SERVICE SINK		
CR	CLASSROOM	GB-C	GRAB BAR - CHILDRENS	PNT-HP	PAINT - HIGH PERFORMANCE	STD	STANDARD		
CRPT	CARPET	GC	GENERAL CONTRACTOR	POL	POLISHED	STL	STEEL		
CS	CLOCK/SPEAKER UNIT	GEN	GENERAL CONTRACTOR	PR	PAIR	STLST	STEEL JOIST		
CT	CERAMIC TILE/CLOUING TOWER	GFRC	GLASS FIBER REINFORCED CONCRETE	PRF	PREFABRICATED	STOR	STORAGE		
CT-CB	CERAMIC TILE COVE	GFRG	GLASS FIBER REINFORCED GYPSUM	PRJ	PROJECTOR	S-TRAP	SEDIMENT TRAP		
CTR	CENTER	GL	GLASS	PTD	PAPER TOWEL DISPENSER	STRIG	STRINGER		
CTSK	COUNTER SUNK CABINET UNIT	GLB	GLASS BLOCK	PTD-R	PAPER TOWEL DISPENSER - RECESSED	STR	STRUCTURAL SELF TAP METAL SCREW		
CUH	CUPBOARD	GMU	GYPSUM MASONRY UNIT	PL	PLATE	STR	STRUCTURAL SELF TAP METAL SCREW		
CUSP	CUSTODIAN HEATER	GRAN	GRANITE FLOOR TILE	PLAS-I	PLASTER - INTEGRAL	SU	SITE UTILITY		
CUST	CUSTODIAN	GRNB	GRANITE TILE BASE	PLBG	PLUMBING	SUPP	SUPPORT		
CV	CONVECTOR	GR	GRADE	PLYWD	PLYWOOD	SUSP	SUSPENDED		
CW	COLD WATER (PIPING)	GS	GENERAL STORAGE UNIT	PNT	PAINT	SYMM	SYMMETRICAL		
CWFP	CEMENT WOOD FIBER PANEL	GSF	GROSS SQUARE FEET	PNTD	PAINTED	SYS	SYSTEM		
CWFP-T	CEMENT WOOD FIBER PANEL WITH TRIM	H	HEIGHT	PERF	PERFORATED	T&G	TONGUE AND GROOVE		
D	DEEP	H	HEIGHT	PERP	PERPENDICULAR	T	TREAD		
DBL	DOUBLE	HB	HOSE BIB	PERM	PERIMETER	T	TREAD		
DD	DOOR CONTACT	HC	HANDICAPPED ACCESSIBLE	PERP	PERPENDICULAR	TB	TACKBOARD		
DC	DISPLACEMENT DIFFUSER	HDW	HARDWARE	PERP	PERPENDICULAR	TB-C	TACKBOARD - CUSTOM FRAME		
DEG	DEGREE	HDWD	HARDWOOD	PF	POINT OF INTERSECTION	TB-S	TACKBOARD - STRIP		
DEMO	DEMOLITION	HGT	HEIGHT	PL	PLATE	TEL	TELEPHONE, TELECOM		
DEPT	DEPARTMENT	HM	HOLLOW METAL	PLAM	PLASTIC LAMINATE	TEMP	TEMPORARY		
DF	DRINKING FOUNTAIN, DESTRATIFICATION	HMA	HAZARDOUS MATERIAL	PLAS-I	PLASTER - INTEGRAL	TER	TERRAZZO		
DIA	DIAMETER	HO	HOLD OPEN	PLBG	PLUMBING	TG	TEMPERED GLASS		
DIAG	DIAGONAL	HOZ	HORIZONTAL	PLD	PLYWOOD	TGLB	TONGUE BOLT		
DIFF	DIFFUSER	HP	HIGH POINT	PNT	PAINT	THR	THRESHOLD		
DIM	DIMENSION	HR	HOUR RATING	PNTD	PAINTED	THRU	THROUGH		
DIS	DISPLACED	HS	HANDSINK	PTD-S	PAPER TOWEL DISPENSER - SURFACE MOUNTED	TIG	TEMPERED INSULATING GLASS		
DISP	DISPENSER	HSEP	HIGH SOLIDS EPOXY PAINT	PTS-SR	PAPER TOWEL DISPENSER - SEMI RECESSED	TLG	TEMPERED LAMINATED GLASS		
DMPF	DAMP/PROOFING	HV	HEATING & VENTILATION UNIT	PTD	PAPER TOWEL DISPENSER	TLT	TOILET		
DNT	DEMOUNTABLE	IC	INTERCOM STATION	PTD-R	PAPER TOWEL DISPENSER - RECESSED	TKBD	TACKBOARD		
DN	DOWN	ID	INSIDE DIAMETER	PTD	PAPER TOWEL DISPENSER	TKC	TOP OF CONCRETE		
DO	DOOR OPENING	IDF	INTERMEDIATE DATA FRAME ROOM	PTDWR	PAPER TOWEL DISPENSER / WASTE RECEPTACLE	TKD	TOP OF DECK		
DP	DIMENSION POINT	INCL	INCLUDING	PTDWR-S	PAPER TOWEL DISPENSER / WASTE RECEPTACLE - SEMI RECESSED	TOM	TOP OF MASONRY		
DR	DR	INCL	INCLUDING	PTDWR-S	PAPER TOWEL DISPENSER / WASTE RECEPTACLE - SEMI RECESSED	TOS	TOP OF STEEL, TOP OF SLAP, TOP OF STRUCTURE		
DRN	DRAIN	INFO	INFORMATION	PTDWR-S	PAPER TOWEL DISPENSER / WASTE RECEPTACLE - SEMI RECESSED	TOW	TOP OF WALL		
DS	DOWNSPOUT	INSUL	INSULATION	PTDWR-S	PAPER TOWEL DISPENSER / WASTE RECEPTACLE - SEMI RECESSED	TOSTL	TOP OF STEEL		
DTL	DETAIL	INT	INTERIOR	PTDWR-S	PAPER TOWEL DISPENSER / WASTE RECEPTACLE - SEMI RECESSED	TP	TOILET PAPER DISPENSER		
DVR	DIVIDER	INTM	INTERMEDIATE	PTN	PARTITION	TP-PM	TOILET PAPER PARTITION		
DW	DISHWASHER	INTM	INTERMEDIATE	PTR	PARTITION	TP-R	TOILET PAPER PARTITION		
DWG	DRAWING	IRV	INTAKE ROOF VENT	P-TRAP	PLASTER TRAP				
DWH	DOMESTIC WATER HEATER	IU	INDUCTION UNIT	PV	PHOTOVOLTAIC				
DWR	DRAWER			QT	QUARRY TILE				
(E)	EXISTING								
EAST	EAST								
EA	EACH								
EB	EXPANSION BOLT								
EF	EXHAUST FAN								
EFS	EXTERIOR FINISH SYSTEM								

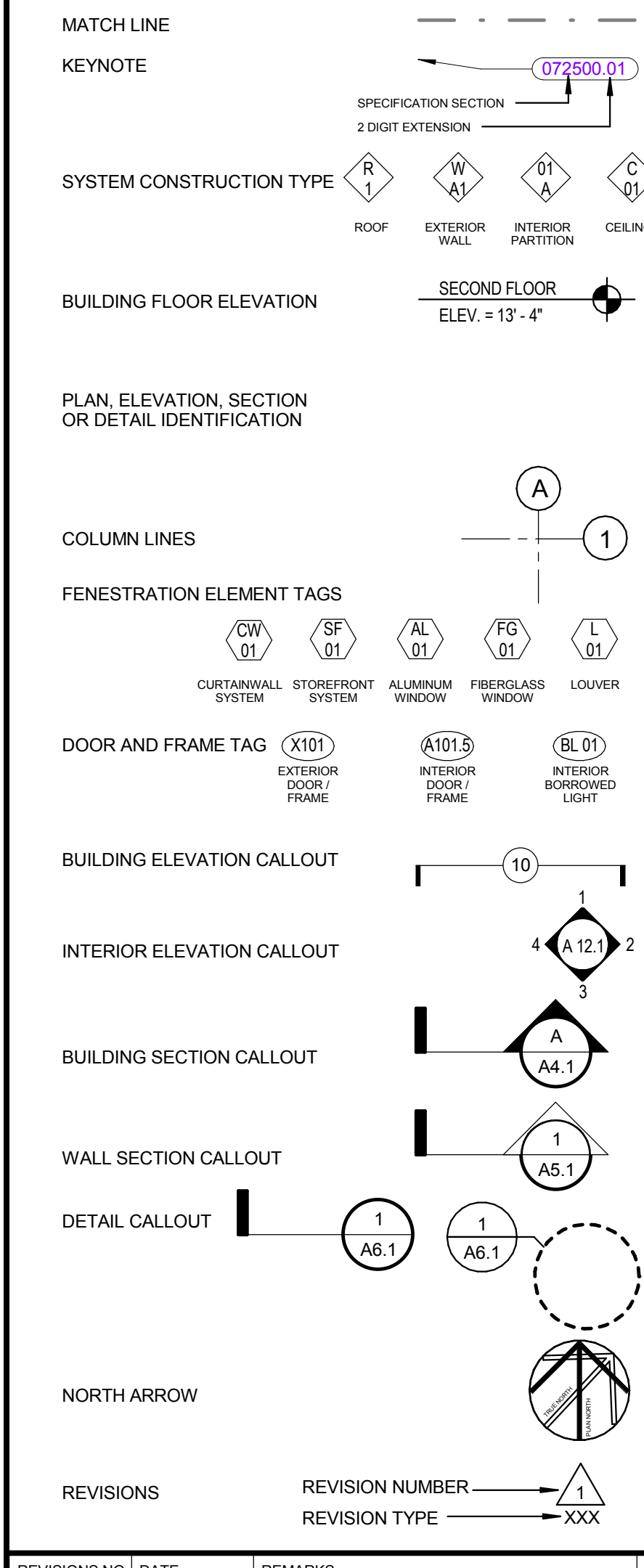
GENERAL NOTES

1) THE GENERAL NOTES, MASTER KEYNOTE LIST, MASTER ABBREVIATION LIST, MASTER MATERIALS LEGEND, AND MASTER SYMBOLS LEGEND APPLY TO ALL ARCHITECTURAL DRAWING SHEETS. REFER TO EACH DRAWING SHEET FOR ADDITIONAL DESIGNATIONS REQUIRED.

MASTER MATERIALS LEGEND

EXISTING TO REMAIN	
EARTH	
STONE, ROCK	
CONCRETE	
BRICK	
CONCRETE MASONRY UNITS	
SAND, MORTAR, GROUT	
PLASTER	
ACOUSTIC PANELS	
STEEL	
ALUMINUM	
WOOD-FRAMING (CONTINUOUS)	
WOOD-FRAMING (DISCONTINUOUS)	
PARTICLE BOARD	
WOOD-FINISH	
PLYWOOD	
BATT INSULATION	
RIGID INSULATION	
ACOUSTIC TILE	
GYPSUM SHEATHING	
GYPSUM WALLBOARD	

MASTER SYMBOLS LEGEND



REVISIONS NO.	DATE	REMARKS	BY



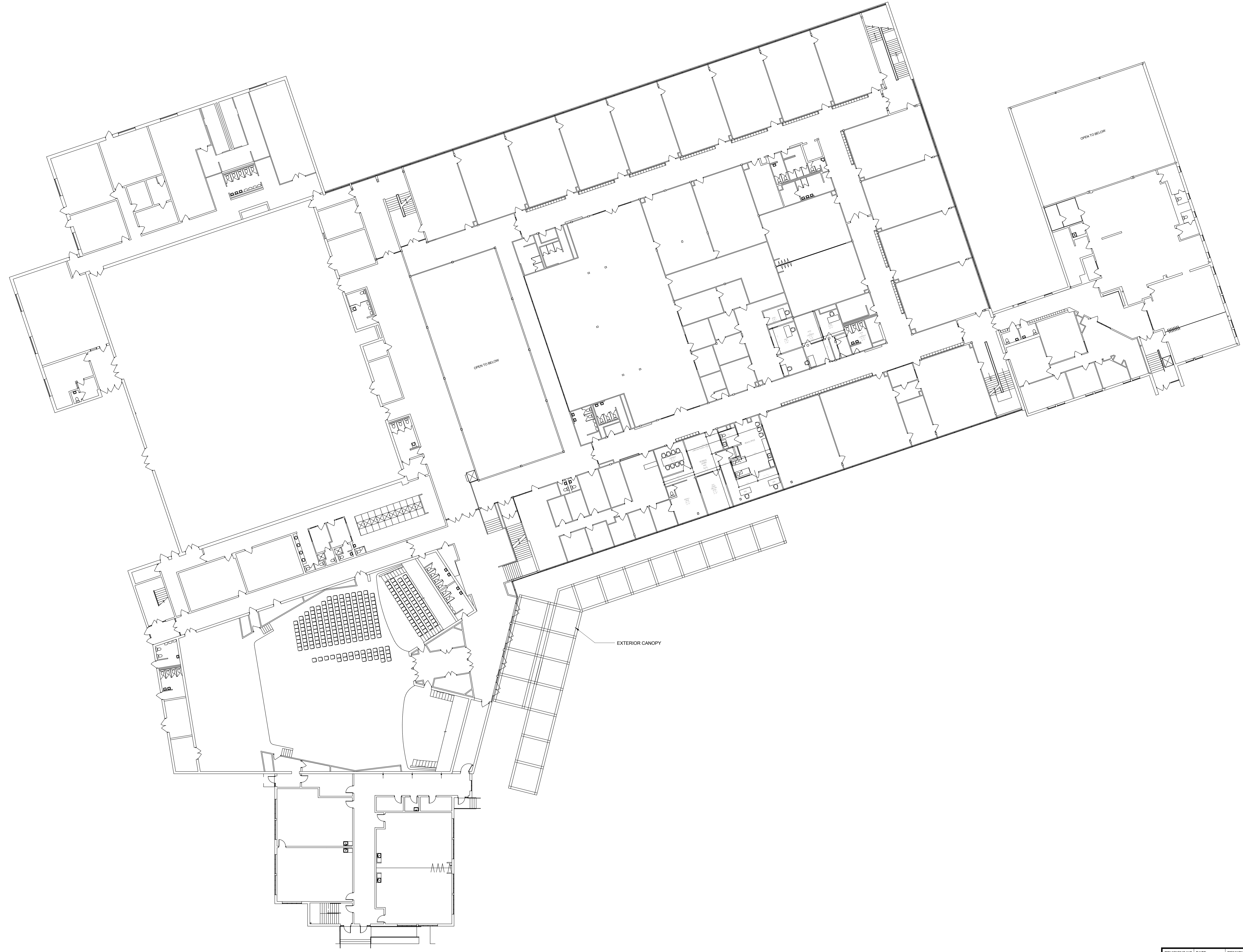
HMFH ARCHITECTS  
1100 Bishop Allen Drive  
Dover, NH 03828  
603.752.2000  
hmfh.com

100% CONFORMED SET - FOR CONSTRUCTION  
9/12/2016

Dover HS / Career Technical Center  
25 Alumni Drive, Dover, NH  
Legend, Abbreviations & Symbols  
SCALE: As Indicated  
DRAWN BY: Aubrey  
CHECKED BY: Chester

A00  
JOB NUMBER 403114

MASTER KEYNOTE LIST										GENERAL NOTES			
033000	CAST-IN-PLACE CONCRETE	054000.13	BUILT-UP HEADER	064020.35	1/2" WOOD VENEER PLYWOOD WITH 3/8" SOLID WOOD EDGE BANDING	075400.04	TAPERED INSULATION EDGE STRIP	084410	GLAZED ALUMINUM CURTAIN WALLS	092900.39	3-1/2" (MIN) GLASS FIBER BLANKET INSULATION	101400.06	SURFACE APPLIED FILM WITH CUSTOM GRAPHICS (GYPSUM APPLIED)
033000.00		054000.14	BUILT-UP SILL										
033000.02		054000.15	BUILT-UP JAMB										
033000.04	CONCRETE FOUNDATION WALL	054000.16	METAL ANGLE	064020.43	WOOD PANELING	075400.05	PROTECTION BOARD	084410.01	ALUMINUM CURTAIN WALL SYSTEM	092900.40	6" (MIN) GLASS FIBER BLANKET INSULATION	101400.07	STAINLESS STEEL LETTER SIGNAGE
033000.04	CONCRETE SLAB ON GRADE	054000.18	LGMF STRAPPING AS REQUIRED	064020.44	SOLID WOOD BASE	075400.08	MEMBRANE FLASHING	084410.07	FORMED ALUMINUM SILL-CUSTOM PROFILE	092900.41	3" (MIN) MINERAL WOOL INSULATION	101400.09	VINYL FILM SIGNAGE
033000.05	CONCRETE SLAB ON METAL DECK	055000	METAL FABRICATIONS	064020.46	WOOD BLOCKING SIZE AS REQUIRED	075400.10	VAPOR RETARDER- FULLY ADHERED	084410.10	1/8" FORMED ALUMINUM PANEL	092900.42	6" (MIN) MINERAL WOOL INSULATION	102100	COMPARTMENTS AND CUBICLES
033000.10	CONCRETE FILL	055000.01	12" STEEL CHANNEL STRINGER	064020.47	SOLID SURFACING								
033000.11	CONCRETE TOPPING	055000.02	STEEL CHANNEL	064020.48		075400.11	WATER CUT-OFF MASTIC	084410.11	STEEL REINFORCEMENT	092900.43	ACOUSTICAL SEALANT	102210.01	WIRE MESH PARTITION
033000.16	NOT USED	055000.03	12" STEEL TUBE STRINGER	064020.49		075400.12	HOT AIR WELD	084410.12	STEEL CLIP ANGLE	092900.44	SPOT GROUT PRESSED STEEL FRAME AT ANCHORS	102210.02	SLIDING DOOR
033000.19	CONCRETE STAIR	055000.04	STEEL TUBE	064020.50		075400.13	CONTINUOUS VAPOR BARRIER TAPE OR SEALANT	084410.18	SEALANT AND BACKERROD			102210.03	DUTCH SWINGING DOOR
033000.25	COMPRESSIBLE FILLER	055000.05	STEEL CLIP ANGLE	064020.51				084410.19	FILL CAVITY WITH MINERAL WOOL INSULATION	092900.45	BLANKET INSULATION, THICKNESS AS REQUIRED	104400	FIRE PROTECTION SPECIALTIES
033000.26	EXPANSION JOINT-COMPRESSIBLE FILLER & SNAP CAP	055000.06	CONTINUOUS STEEL ANGLE	066400.01	FIBER REINFORCED PLASTIC PANELS	075400.14	WALKWAY PADS	084410.23	ALUMINUM CLIP ANGLE	092900.46	WOOD BLOCKING AS REQUIRED	104400.05	CABINET MOUNTED WATER TYPE FIRE EXTINGUISHER
033000.27	FLEXIBLE EPOXY JOINT SEALANT	055000.07	MASONRY WALL LATERAL SUPPORT ANGLE	071100.01	DAMPPOOFING	075400.19	AIR /VAPOR BARRIER FIELD MEMBRANE	084410.27	SILICONE EXTRUSION ADHESIVE	092900.49	STEEL J-RUNNER	105110.01	STUDENT LOCKERS
033000.28	NOT USED	055000.08	MASONRY WALL LATERAL SUPPORT ANGLE	071100.02	PROTECTION MAT	075400.25	PRE-MOLDED PIPE FLASHING	084410.28	CONTINUOUS GASKET	092900.50	CORNER BEAD	105110.02	LOCKERS
033000.35	SAWCUT CONTROL JOINT(S)	055000.09	MASONRY WALL LATERAL SUPPORT ANGLE	071100.03	MASTIC COATING OF STEEL	075400.26	STAINLESS STEEL CLAMPING RING	084410.30	CUSTOM PRESSURE PLATE CLOSURE	092900.51	J-TRIM	105110.07	SLOPING METAL LOCKER TOP
033650	CONCRETE FINISH	055000.10	STEEL ANGLE	071100.04	DRAINAGE PANEL	075400.39	STAINLESS STEEL CLAMPING RING	084410.33	ALUMINUM BREAK METAL (FINISH TO MATCH CW)	092900.54	CONTROL JOINT	110000	Division 11 - Equipment
033650.01	CONCRETE STAIN	055000.11	LOOSE LINTEL ANGLE	071300.01	WATERPROOFING	075400.43	FASTENER & SEAM PLATE	084410.36	LATERAL ANCHOR	092900.55	BULLNOSE TRIM	110610	STAGE RIGGING AND CURTAINS
033650.02	POLISHED INTEGRAL COLORED CONCRETE	055000.12	1-1/4" NOMINAL (1.660" O.D.) STEEL PIPE	071300.02	INSULATION / DRAINAGE PANEL	075400.44		084410.38		092900.56	REVEAL TRIM	110610.01	CURTAIN(S)
034500.01	PRECAST CONCRETE SILL	055000.13	1-1/2" NOMINAL (1.900" O.D.) STEEL PIPE	071400.01	WATERPROOFING	076200	SHEET METAL ROOFING, SIDING, FLASHING AND TRIM	084410.36		092900.58	RECESSED PICTURE RAIL	110610.02	PIPE BATTEN
034500.09	PRECAST DATE STONE	055000.14	1" NOMINAL (1.315" O.D.) STEEL PIPE	071400.02	INSULATION	076200.01	METAL ROOFING	085110.01	ALUMINUM WINDOW SYSTEM	092900.62		110640.03	THEATRICAL LIGHTING CONTROLS AND FIXTURES
042000	UNIT MASONRY	055000.15	2" NOMINAL (2.375" O.D.) STEEL PIPE	071400.03	DRAINAGE BOARD	076200.02	VENTED INSULATION/NAILBASE PANEL ASSEMBLY	085110.30	BUTYL TAPE	093000	TILING	114000	FOOD SERVICE EQUIPMENT
042000.03	DECORATIVE CMU UNITS, SEE ELEVATIONS FOR COLOR/PATTERN	055000.16	HANDRAIL MOUNTING BRACKET	071600.01	CEMENT-BASED WATERPROOFING	076200.04	VAPOR RETARDER	085110.33	SILICONE SEALANT	093000.02	THIN SET CERAMIC MOSAIC FLOOR TILE	115210	PROJECTION SCREENS
042000.04	FACE BRICK SEE ELEVATIONS FOR COLOR/PATTERN	055000.17	HANDRAIL MOUNTING BRACKET WELDED TO POST	072100.01	RIGID THERMAL INSULATION	076200.05	WATERPROOFING UNDERLAYMENT	086200	UNIT SKYLIGHTS	093000.03	THIN SET CERAMIC WALL TILE	115210.02	MOTOR OPERATED PROJECTION SCREEN, TYPE 1
042000.13	SOLID MASONRY UNIT	055000.18	STEEL PAN STAIR CONSTRUCTION	072100.02	UNDERSLAB RIGID THERMAL INSULATION	076200.07	SLIP-SHEET (ROSIN PAPER)	086200.02	FIXED DOMED SKYLIGHT	093000.05	THIN SET PORCELAIN FLOOR TILE	116000	FIXED CASEWORK AND EQUIPMENT
042000.16	CONCRETE MASONRY UNIT(S)	055000.19	SEMI-SPHERICAL PIPE-RAIL BULLET CAP	072100.03	FOUNDATION PERIMETER RIGID INSULATION	076200.09	METAL FLASHING	086200.02	DOOR HARDWARE	093000.06	THICK BED PORCELAIN FLOOR TILE	116600.01	FORWARD-FOLDING ELECTRICALLY OPERATED BACK STOP
042000.18	4" X 8" X 16" CENTER SCORED CMU	055000.20	STEEL BAR	072100.10	MINERAL WOOL INSULATION	076200.10	METAL SCUPPER	087100.01	THRESHOLD	093000.07	THIN SET QUARRY FLOOR TILE	116600.05	FIXED BACKSTOP
042000.21	2" X 8" X 16" CMU	055000.21	STEEL PLATE	072100.12	COMPRESSIBLE FILLER	076200.11	METAL GRAVEL STOP	087100.02	WEATHERSTRIPPING	093000.08	THICK BED QUARRY FLOOR TILE	116600.07	GYMNASIUM CURTAIN
042000.22	4" X 8" X 16" CMU	055000.22	STEEL PLATE	072100.15	UNDERSLAB VAPOR RETARDER	076200.15	ALUMINUM GUTTER	087100.09	ELECTRO/MECH. DOOR HOLDER	093000.09	THIN SET FEATURE WALL TILE	116600.13	WALL PADDING
042000.23	6" X 8" X 16" CMU	055000.23	1-1/2" X 1" STEEL POST	072100.16	UNDERSLAB VAPOR RETARDER STRIP	076200.18	CONTINUOUS METAL CLEAT	088000	GLAZING	093000.10	COVE BASE	116600.16	OVERHEAD SUPPORTED WRESTLING MAT MOVER
042000.24	8" X 8" X 16" CMU	055000.24	PIPE SPLINE	072100.17	UNDERSLAB VAPOR RETARDER TAPE	076200.19	2" WIDE METAL CLIPS @ 24" O.C.	088000.02	HEAT-TEMPERED GLASS	093000.12	BULLNOSE WALL TILE	122110.01	HORIZONTAL MINI BLINDS
042000.26	BULLNOSE CMU	055000.25	STEEL CLOSURE PLATE	072500.01	AIR BARRIER FIELD MEMBRANE	076200.20	FASTENER	088000.11	LAMINATED GLASS	093000.13	BULLNOSE FEATURE WALL TILE	122400.05	WINDOW SHADES
042000.28	CMU LINTEL BLOCK	055000.26	PLUG WELD AND GRIND SMOOTH TO MATCH CURVE OF PIPE	072500.02	AIR BARRIER FIELD MEMBRANE	076200.22	SEALANT	088000.12	HEAT-TEMPERED GLASS ADJUSTABLE SHELVES	093000.16	MARBLE THRESHOLD	123000.01	MANUFACTURED CASEWORK
042000.29	CMU BOND BEAM - CENTER SCORED	055000.27	HANGER ROD AND NUT, SECURE TO STRUCTURE	072500.03	SILICONE SEALANT	076200.28	SNOWGUARD(S)	088000.13	HEAT-TEMPERED SLIDING GLASS DOORS	093000.17	METAL EDGE STRIP	124810	ENTRANCE FLOOR MATS AND FRAMES
042000.30	SOLID CONCRETE BLOCK AS REQUIRED	055000.29	EXPANSION ANCHOR(S) AS NECESSARY	072500.04	SPRAY FOAM SEALANT	076200.29	METAL DOWNSPOUT	088000.15	SETTING BLOCK	093000.20	SEALANT	124810.01	RECESSED ENTRY MAT
042000.32	4" X 8" X 16" ACOUSTICAL CMU	055000.30	ATTACHMENT SCREW(S) AS NECESSARY	072500.05	BACKEROD	076200.35	TERMINATION BAR - SET IN A CONTINUOUS BED OF SEALANT	088000.19	SPANDREL GLASS	093000.21	WATERPROOFING MEMBRANE	124810.03	RECESSED FOOT-GRILL
042000.35	GLAZED MASONRY UNIT	055000.31	ATTACHMENT BOLT(S) AS NECESSARY	072500.06	COUNTER FLASHING STRIP	076200.36	FLAT SEAM SIDING	088000.21	ALUMINUM LOUVER	095100	ACOUSTICAL PANEL CEILINGS	124810.05	CONCRETE LEVELING FILL
042000.42	THROUGH-WALL MEMBRANE FLASHING	055000.32	ISOLATION GASKET	072500.12	FLUID APPLIED AIR BARRIER	076200.40	SNOWGUARD CLIP	088000.22	ALUMINUM SUBSILL WITH ENDDAMS	095100.01	STANDARD TYPE ACOUSTIC TILE CEILING SYSTEM	210000	Division 21 - Fire Suppression
042000.43	THROUGH-WALL METAL FLASHING	055000.33	WOVEN WIRE MESH	072500.13	SEALANT AND BACKER ROD	076200.41	SNOWGUARD RAIL	088000.23	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	095100.02	WASHABLE TYPE ACOUSTIC TILE CEILING SYSTEM	210000.01	SPRINKLER HEAD
042000.45	WEPEAVT	055000.34	STEEL LADDER	072500.14	BUTHTHENE MASTIC	076200.42	STAINLESS STEEL COLLAR	088000.24	HEAT-TEMPERED GLASS DOORS	095100.09	EDGE MOLDING	220000	ROOF DRAIN
042000.46	CAVITY DRAINAGE MATERIAL	055000.35	CATWALK	072500.15	BITUTHENE MASTIC	076200.43	STAINLESS STEEL CLOSURE	088000.25	SPANDREL GLASS	095100.10	SUSPENSION "ISLAND" TRIM	220000.05	ROOF DRAIN CLAMPING RING
042000.47	MASONRY TIE AND ANCHOR	055000.36	STEEL FLOOR GRATE	072500.16	ACQUSTIC SCREEN WALL PANEL SYSTEM	076200.44	SHEET METAL GRAVEL STOP & FASCIA	088000.26	ALUMINUM SUBSILL WITH ENDDAMS	096400	WOOD FLOORING	220000.08	ROOF DRAIN BOWL
042000.50	HORIZONTAL REINFORCING BAR	055000.37	STEEL GRATING TREAD(S)	072500.17	ACQUSTIC SCREEN WALL PANEL SYSTEM	076200.45	SHEET METAL FASCIA W/ DRIP EDGE	088000.27	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096400.01	WOOD FLOORING	220000.09	ROOF DRAIN DOME
042000.51	THROUGH-WALLSHEET METAL FLASHING	055000.38	STEEL GRATING TREAD(S)	072500.18	VISUAL SCREEN WALL PANEL SYSTEM	076200.46	SHEET METAL FASCIA W/ DRIP EDGE	088000.28	SHIM AS REQUIRED	096400.04	ALUMINUM SADDLE THRESHOLD	230000	Division 23 - Heating Ventilating and Air Conditioning
042000.55	MASTIC	055000.39	STEEL GRATING TREAD(S)	072500.19	CONTINUOUS CHANNEL	076200.49	SHEET METAL FASCIA W/ DRIP EDGE	088000.29	BIRD SCREEN	096400.05	VAPOR RETARDER	230000.00	Division 23 - Heating Ventilating and Air Conditioning
042000.56	COMPRESSIBLE FILLER	055000.40	UNISTRUT CHANNEL	072500.20	VISUAL SCREEN WALL PANEL SYSTEM	076200.50	SHEET METAL FASCIA W/ DRIP EDGE	088000.30	INSULATED ALUMINUM BLANK-OFF PANEL	096400.06	7/16" RESILIENT EPDM PAD	230000.05	CABINET UNIT HEATER
042000.58	TERMINATION BAR	055000.41	EXTERIOR ALUMINUM LETTER SIGNAGE	072500.21	METAL PANEL WALL SYSTEM	076200.53	SHEET METAL PARAPET CAP	088000.31	ALUMINUM LOUVER	096400.09	1/4" MASONITE, TEMPERED ONE SIDE	230000.08	AIRHANDLING UNIT
042000.59	GROUT SOLID	055000.42	BENT STEEL PLATE	072500.22	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.55	ROOF ACCESSORIES	088000.32	ALUMINUM SUBSILL WITH ENDDAMS	096466	WOOD ATHLETIC FLOORING	230000.10	FIN TUBE RADIATION
042000.60	SEALANT	055000.43	3/4" CORRUGATED STEEL ROUND RUNGS	072500.23	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.56	SMOKE VENT	088000.33	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	DISPLACEMENT VENTILATION DIFFUSER
042000.63	MORTAR BED - SLOPE TO POSITIVE DRAINAGE	055000.44	1/2" X 2" STEEL PLATE	072500.24	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.57	ROOF HATCH	088000.34	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	ELEVATOR SHAFT VENT MECHANICAL EQUIPMENT ROOF CURB
042000.64	SHIMS AS REQUIRED	055000.45	STAINLESS STEEL HANDRAIL	072500.25	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.58	ROOF HATCH	088000.35	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	ELEVATOR SHAFT VENT MECHANICAL EQUIPMENT ROOF CURB
042000.65	NON-SHRINK GROUT	055000.46	STEEL SECURITY GATE	072500.26	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.59	ROOF HATCH	088000.36	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	ELEVATOR SHAFT VENT MECHANICAL EQUIPMENT ROOF CURB
042000.70	INSULATION RETAINER	055000.47	ALUMINUM CHANNEL	072500.27	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.60	ROOF HATCH	088000.37	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	ELEVATOR SHAFT VENT MECHANICAL EQUIPMENT ROOF CURB
042000.71	MEMBRANE TRANSITION STRIP	055000.48	ALUMINUM CHANNEL	072500.28	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.61	ROOF HATCH	088000.38	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	ELEVATOR SHAFT VENT MECHANICAL EQUIPMENT ROOF CURB
042000.72	TERMINATION MASTIC	055000.49	ALUMINUM CHANNEL	072500.29	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.62	ROOF HATCH	088000.39	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	ELEVATOR SHAFT VENT MECHANICAL EQUIPMENT ROOF CURB
042000.73	1" WIDE DRAINAGE MAT STRIPS 20" O.C.	055000.50	ALUMINUM CHANNEL	072500.30	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.63	ROOF HATCH	088000.40	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	ELEVATOR SHAFT VENT MECHANICAL EQUIPMENT ROOF CURB
042000.74	MEMBRANE END DAM, FOLD UP MEMBRANE AT VERTICAL JOINTS	055000.51	ALUMINUM CHANNEL	072500.31	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.64	ROOF HATCH	088000.41	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	ELEVATOR SHAFT VENT MECHANICAL EQUIPMENT ROOF CURB
051200	STRUCTURAL STEEL FRAMING	061000.01	STEEL SECURITY GATE	072500.32	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.65	ROOF HATCH	088000.42	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	ELEVATOR SHAFT VENT MECHANICAL EQUIPMENT ROOF CURB
051200.01	STEEL COLUMN	061000.02	STEEL SECURITY GATE	072500.33	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.66	ROOF HATCH	088000.43	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	ELEVATOR SHAFT VENT MECHANICAL EQUIPMENT ROOF CURB
051200.02	STEEL BEAM	061000.03	STEEL SECURITY GATE	072500.34	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.67	ROOF HATCH	088000.44	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL	096466	WOOD ATHLETIC FLOORING	230000.10	ELEVATOR SHAFT VENT MECHANICAL EQUIPMENT ROOF CURB
051200.03	STEEL ANGLE	061000.04	STEEL SECURITY GATE	072500.35	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION	076200.68	ROOF HATCH	088000.45	CONTINUOUS CLIP ANGLE ANCHOR, SET				

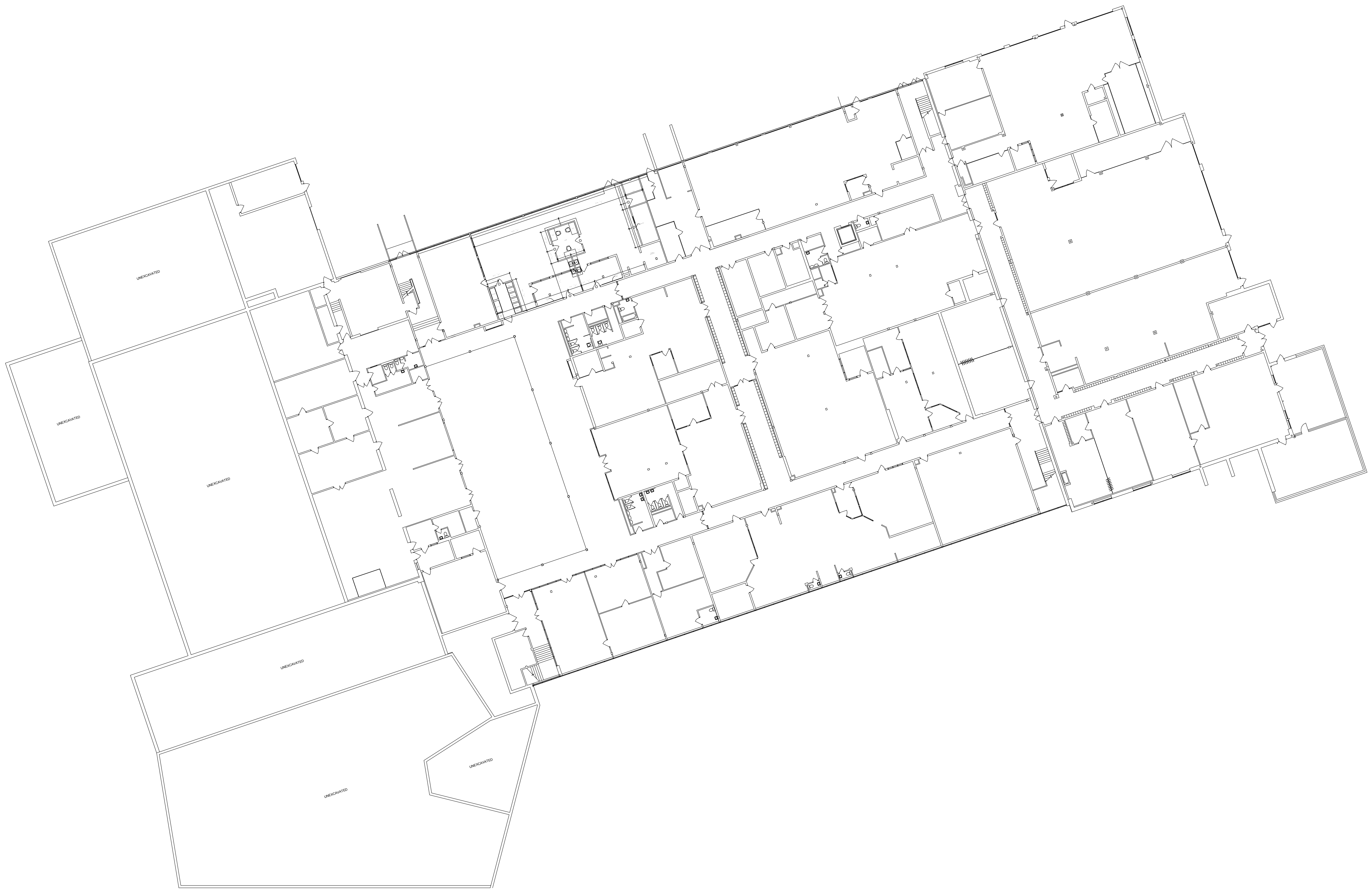


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9/12/2016

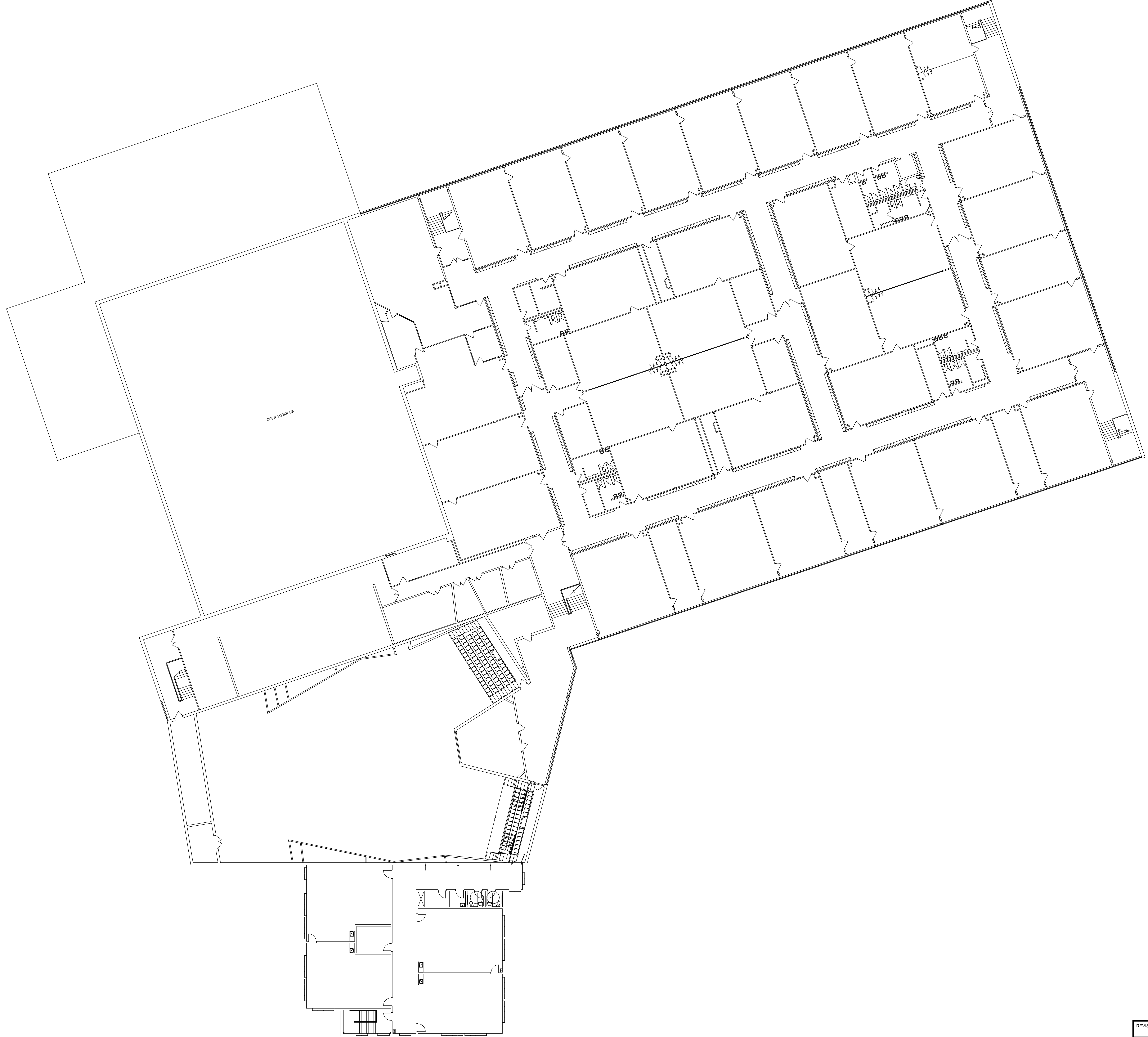
Dover HS / Career Technical Center  
25 Alumni Drive, Dover, NH  
Demo Plan - Entry Level  
SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER  
**A1.1**



REVISIONS NO.	DATE	REMARKS	BY



OPEN TO BELOW

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER  
**A1.3**

Dover HS / Career Technical Center  
25 Alumni Drive, Dover, NH  
**Demo Plan - Upper Level**  
SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

**100% CONFORMED SET - FOR CONSTRUCTION**  
9/12/2016

**HMFH ARCHITECTS**  
120 Bishop Allen Drive  
Dover, NH 03820  
603.752.2000  
@HMFHArch hmfh.com

**HMFH**

**GENERAL NOTES-ROOM FINISH SCHEDULE**

- REFER TO SHEET A8.2 FOR TYPICAL TILE INSTALLATION DETAILS.
- FLOOR PLAN GENERAL NOTES, FLOOR PLAN LEGEND & ABBREVIATIONS APPLY TO THE A2 SERIES SHEETS.
- REFER TO INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION ON WALL FINISH MATERIALS AND TYPICAL MOUNTING HEIGHTS.
- REFER TO DOOR AND BORROWED LIGHT SCHEDULE ANNOTATIONS FOR MATERIALS/ CONSTRUCTION OVER HEADS OF FLOOR TO CEILING FRAMES.
- REFER TO REFLECTED CEILING PLANS FOR CEILING FINISH MATERIALS.
- INTERIOR DIMENSIONS SHOWN ARE INDICATED TO FINISH WALL (MASONRY OR GYPSUM BOARD) MATERIALS UNLESS NOTED OTHERWISE.
- EXTERIOR FENESTRATION MASONRY OPENINGS (DIMENSIONS SHOWN ARE NOMINAL. REFER TO ASSOCIATED FENESTRATION SCHEDULE FOR ACTUAL OPENING DIMENSIONS REQUIRED (AC)).
- MEPPF ELEMENTS SHOWN ARE SCHEMATIC AND ARE PROVIDED FOR REFERENCE ONLY. REFER TO ASSOCIATED MEPPF DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.
- XXX

**NEW WALL OR PARTITION**

**MASONRY WALL OR INFILL**  
(SEE PARTITION TYPES & DETAILS FOR MORE INFORMATION)

**INTERIOR PARTITION TYPES TAG**  
(SEE DRAWING A8.1)

**DOOR NUMBER TAG**  
(SEE SCHEDULE A9.1)

**INTERIOR BORROWED LIGHT TAG**  
(SEE SCHEDULE A9.1)

**PLASTIC LAMINATE COUNTER TYPE**

**PLASTIC LAMINATE COUNTER TYPE - WITH SINK**

**PLASTIC LAMINATE COUNTER TYPE - COMPUTER COUNTER WITH GROMMETS**

**PLASTIC LAMINATE COUNTER TYPE - WITH GRILL**

**PLASTIC LAMINATE COUNTER TYPE - CHEMICAL RESISTANT**

**PLASTIC LAMINATE COUNTER TYPE - CHEMICAL RESISTANT - WITH SINK**

**RESIN COUNTER TYPE**

**RESIN COUNTER TYPE - WITH SINK**

**STAINLESS STEEL SINK TYPE**

**INTEGRAL RESIN SINK TYPE**

**ROOM NAME**

**BUILDING PART LOCATOR**  
(SEE KEYPLAN)

**ROOM NUMBER**

**ROOM FINISH TYPE**  
(SEE ROOM FINISH SCHEDULE)

**RECESSED ENTRANCE MAT**

**MECHANICAL, PLUMBING & FIRE PROTECTION ELEMENTS**  
(SEE GENERAL NOTE #6)

**ABBREVIATIONS-FLOOR PLAN**

BK	= BOOK SHELF UNIT	064020
CS	= CLOCK SPEAKER UNIT	260000
CONC-P	= RAISED CONCRETE PAD	033000
CUH	= CABINET UNIT HEATER	230000
CWFP	= CEMENT WOOD FIBER PANEL	064020
CWFP	= CEMENT WOOD FIBER PANEL W/ TRIM	064020
DD	= DISPLACEMENT DIFFUSER	230000
DF	= DRINKING FOUNTAIN	220000
EJC	= EXPANSION JOINT COVER	079500
EM-R	= ENTRY MAT-RECESSED	124810
EVAC	= EMERGENCY VOICE EVACUATION PANEL	260000
EWC	= ELECTRIC WATER COOLER	220000
FAA	= FIRE ALARM ANNUNCIATOR PANEL	260000
FACP	= FIRE ALARM CONTROL PANEL	260000
FD	= FLOOR DRAIN	230000
FDVC	= FIRE DEPARTMENT VALVE CABINET	210000
FE-B	= FIRE EXTINGUISHER-BRACKET MTD	104400
FE-R	= FIRE EXTINGUISHER-RECESSED CABINET	104400
FTR	= FIN TUBE RADIATION	230000
HC	= HANDICAPPED ACCESSIBLE	
HS	= HANDSINK	114000
MB	= MARKER BOARD	101100
MB-C	= MARKERBOARD-CUSTOM FRAME	064020 101100
PS-S	= PROJECTION SCREEN-SURFACE MTD	260000
PTD-S	= PAPER TOWEL DISPENSER-SURFACE MTD	102800
SD-S	= SOAP DISPENSER	102800
TB	= TACKBOARD	101100
TB-C	= TACKBOARD-CUSTOM FRAME	064020 101100
TS	= GENERAL STORAGE UNIT	116000
GW	= TEACHER'S WARDROBE UNIT	116000

**ABBREVIATIONS-ROOM FINISH SCHEDULE**  
(SEE SHEET A0.1 FOR ADDITIONAL ABBREVIATION DESIGNATIONS)

AFC	= ARCH. FINISHED CONCRETE	033650
CRPT	= CARPET	096820
CT	= CERAMIC TILE	093000
CT-CB	= CERAMIC TILE - COVE BASE	093000
EM	= ENTRY MAT - WALK OF MODULAR TILES	124810
EXP-C	= EXPOSED CONCRETE - HARDENER	033000
HBD-PNT	= PAINTED HARDBOARD SYSTEM	096400
IRFT	= INTERLOCKING RUBBER FLOOR TILE	096400
FRP	= FIBERGLASS REINFORCED PANELS	096400
PCT	= PORCELAIN TILE	093000
PCT-CB	= PORCELAIN TILE - COVE BASE	093000
PNT	= PAINT	099000
PNT-HP	= PAINT - HIGH PERFORMANCE	099000
REM	= RECESSED ENTRY MAT	124810
RF	= RESILIENT FLOORING	096500
RB	= RESILIENT BASE	096500
RAF	= RESILIENT ATHLETIC FLOORING	096566
VCB	= VENTILATING COVE BASE	096466
WD	= WOOD PANELING & TRIM	064020
WAF	= WOOD ATHLETIC FLOORING	096466
WDB	= WOOD BASE	096400

**ROOM FINISH SCHEDULED NOTES**

- ADD ALT. # 7 AT GANGED BATHROOMS, PROVIDE FULL HEIGHT CT AT WET WALLS.
- REFER TO FLOOR PLANS AND INTERIOR ELEVATIONS FOR EXTENT OF MULTIPLE FLOORING MATERIALS REQUIRED.
- ADD ALT. # 1 AT STAIRS, PROVIDE RUBBER FLOORING AT RISERS AND INTERMEDIATE STAIR LANDINGS. PROVIDE RESILIENT FLOORING AT FLOOR LEVEL LANDINGS. REFER TO ENLARGED STAIR PLANS FOR EXTENT OF EACH FLOORING MATERIAL.
- AT JANITOR'S CLOSETS, PROVIDE FRP UP TO 4" AROUND MOP SINKS.

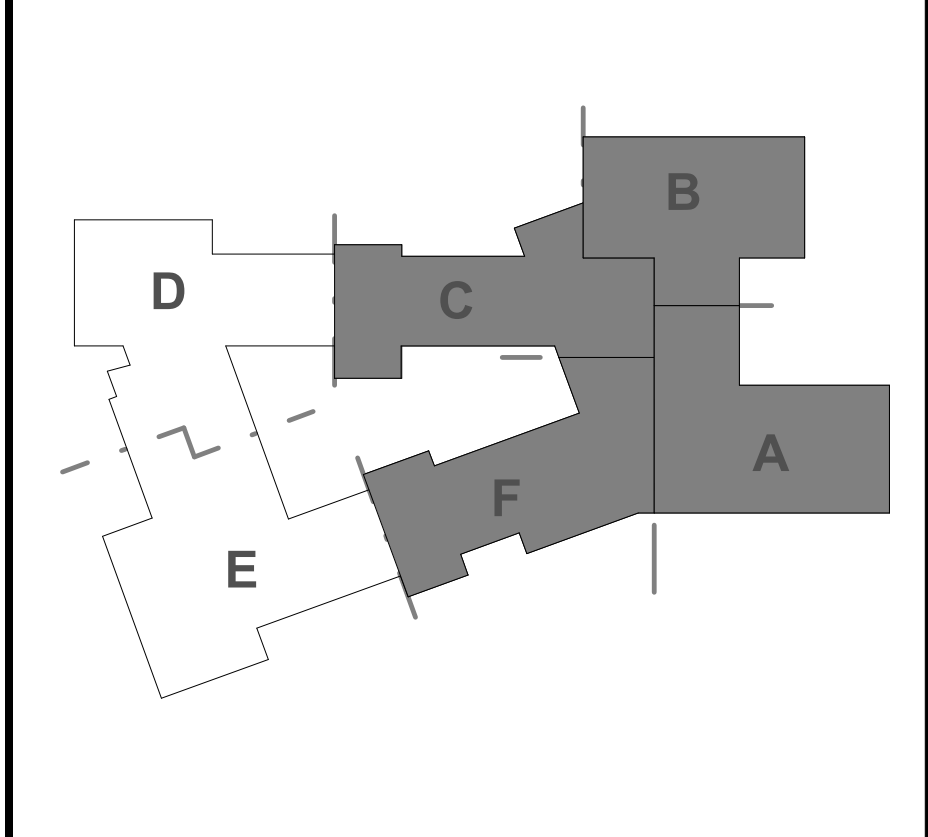
**MASTER ROOM FINISH SCHEDULE**

Room Key	BASE	FLOOR	NORTH	SOUTH	EAST	WEST	REMARKS
<b>VESTIBULES / CORRIDORS / LOBBIES</b>							
A1	PCT-CB	EM/CT	CT/PNT	CT/PNT	CT/PNT	CT/PNT	(b)
A2	PCT-CB	PCT	CT/PNT	CT/PNT	CT/PNT	CT/PNT	(b)
A3	RB	AFC	CT/PNT	CT/PNT	CT/PNT	CT/PNT	(b)
A4	RB	RF	CT/PNT	CT/PNT	CT/PNT	CT/PNT	(b)
<b>ASSEMBLY SPACES</b>							
B1	VCB	WAF	PNT	PNT	PNT	PNT	
B2	WDB	HBD-PNT	PNT	PNT	PNT	PNT	(d)
B3	WB	AFC	WD/PNT	WD/PNT	WD/PNT	WD/PNT	(b)
B4	RB	RAF	PNT	PNT	PNT	PNT	
<b>CLASSROOMS</b>							
C1	RB	RF	PNT	PNT	PNT	PNT	
C2	RB	AFC	PNT	PNT	PNT	PNT	
C3	RB	EXP-C	PNT	PNT	PNT	PNT	
C4	RB	IRFT	PNT	PNT	PNT	PNT	
C5	RB	CRPT	PNT	PNT	PNT	PNT	
<b>OFFICES</b>							
D1	RB	RF	PNT	PNT	PNT	PNT	
<b>STAIRS</b>							
E1	PCT-CB	AFC	CT/PNT	CT/PNT	CT/PNT	CT/PNT	(c)
E2	PCT-CB	RBRE	CT/PNT	CT/PNT	CT/PNT	CT/PNT	
<b>TOILET ROOMS / LOCKER ROOMS</b>							
F1	CT-CB	CT	CT/PNT	CT/PNT	CT/PNT	CT/PNT	(a) (b)
F2	RB	CT	PNT	PNT	PNT	PNT	
<b>SERVICE ROOMS / STORAGE / KITCHEN</b>							
G1	RB	EXP-C	PNT	PNT	PNT	PNT	(d)
G2	RB	RF	PNT	PNT	PNT	PNT	
G3	PCT-CB	PCT	FRP	FRP	FRP	FRP	(b)
G4	RB	CRPT	PNT	PNT	PNT	PNT	
G5	PCT-CB	PCT	PNT	PNT	PNT	PNT	

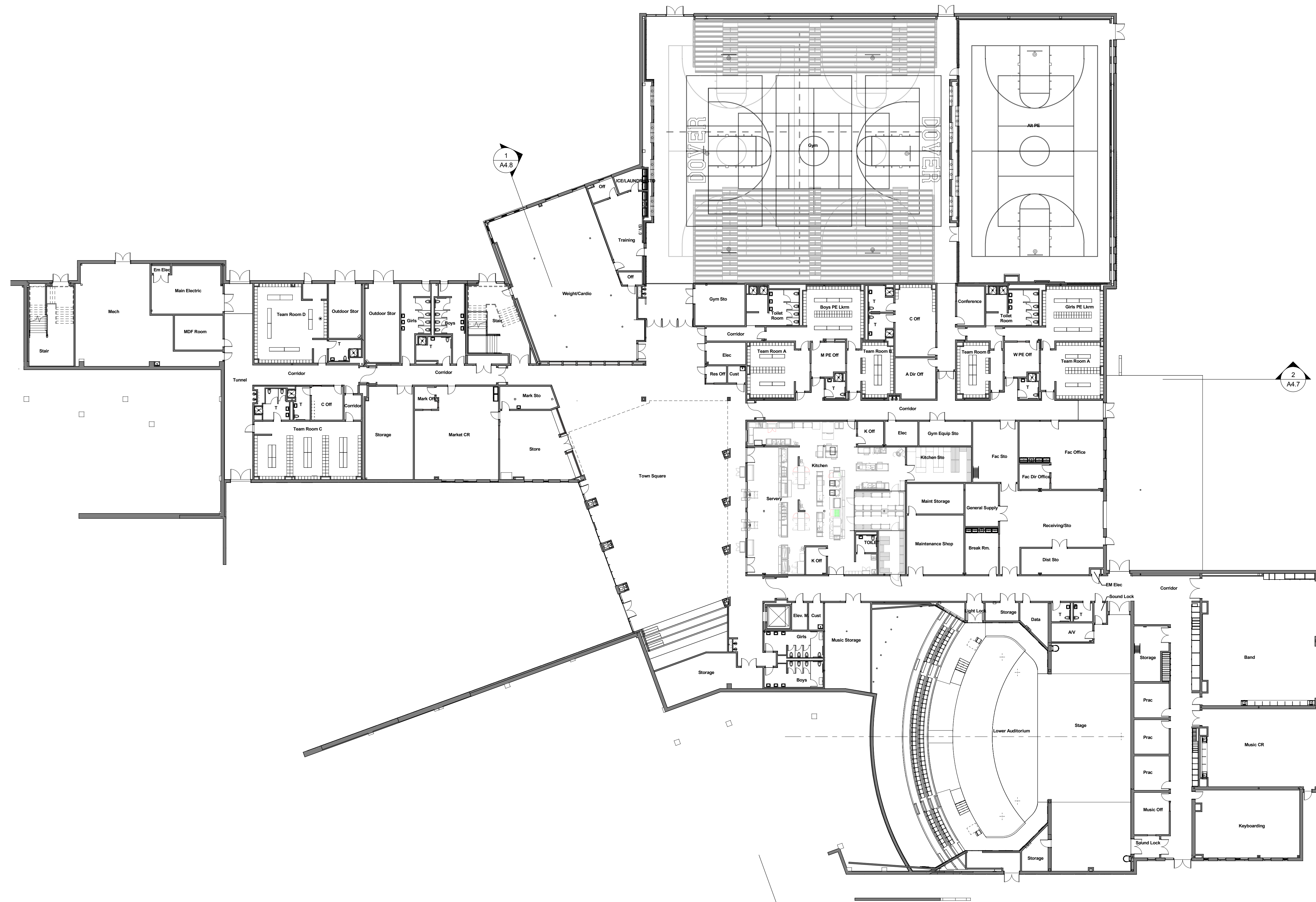
**KEYNOTE LIST**

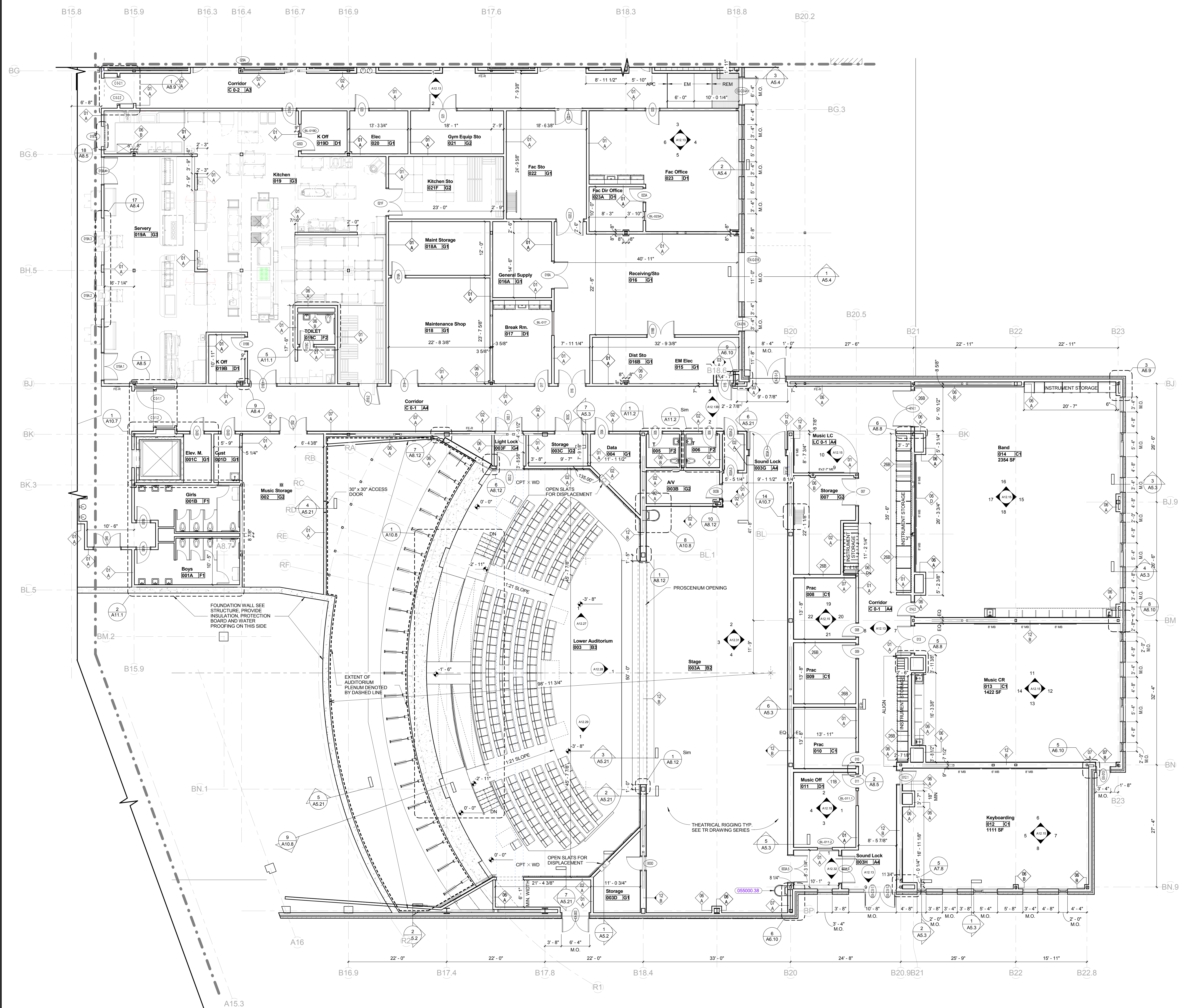
033000	CAST-IN-PLACE CONCRETE
033650	CONCRETE FINISH
064020	INTERIOR ARCHITECTURAL WOODWORK
079500	EXPANSION CONTROL
093000	TILING
096400	WOOD FLOORING
096466	WOOD ATHLETIC FLOORING
096500	RESILIENT FLOORING
096566	RESILIENT ATHLETIC FLOORING
096820	SHEET CARPETING
099000	PAINTING AND COATING
101100	VISUAL DISPLAY SURFACES
102800	TOILET ACCESSORIES
104400	FIRE PROTECTION SPECIALTIES
114000	FOOD SERVICE EQUIPMENT
116000	FIXED CASEWORK AND EQUIPMENT
124810	ENTRANCE FLOOR MATS AND FRAMES
210000	Division 21 - Fire Suppression
220000	Division 22 - Plumbing
230000	Division 23 - Heating Ventilating and Air Conditioning
260000	Division 26 - Electrical

**KEYPLAN**



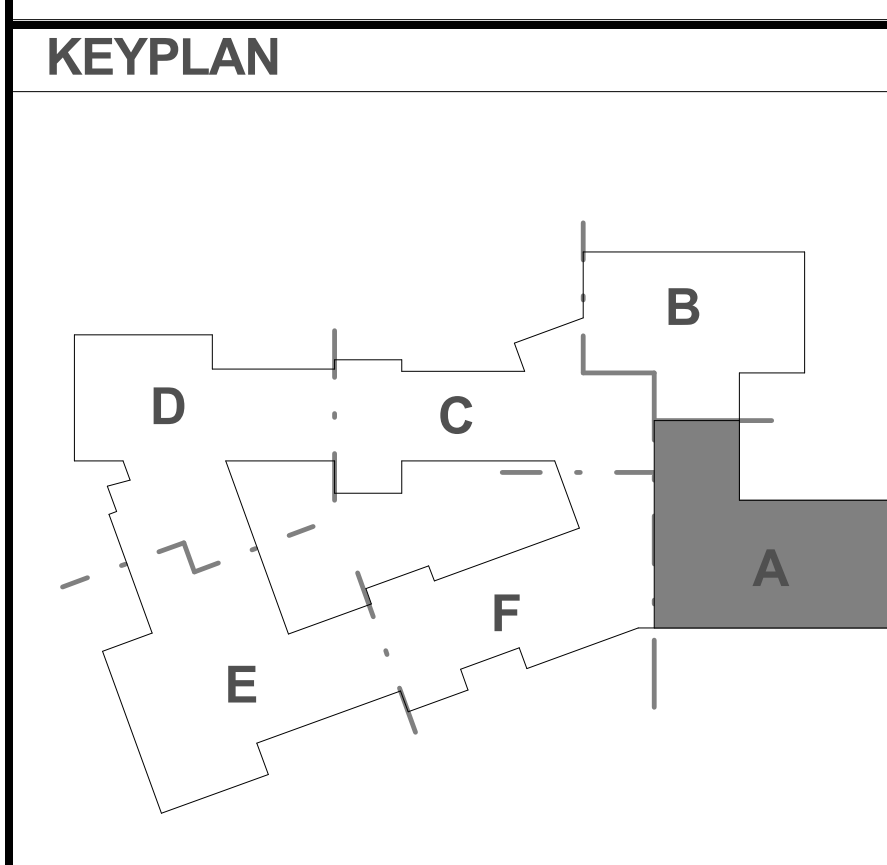
REVISIONS NO.	DATE	REMARKS	BY





**KEYNOTE LIST**

055000.38	STEEL LADDER
115210.02	MOTOR OPERATED PROJECTION SCREEN, TYPE 1



REVISIONS NO.	DATE	REMARKS	BY
A	08/25/2016	ADDENDUM A	
B	09/01/2016	ADDENDUM B	

Dover HS / Career Technical Center  
25 Alumni Drive, Dover, NH  
Ground Level Plan - Part A  
SCALE: 1/8" = 1'-0"  
DRAWN BY: Auhob  
CHECKED BY: Chedoke

DRAWING NUMBER  
**A2.0A**  
JOB NUMBER 403114