NOTES

1. THE EXISTING CONDITIONS SHOWN WAS PREPARED FROM AN ACTUAL ON THE GROUND FIELD SURVEY CONDUCTED BY NITSCH ENGINEERING FROM SEPTEMBER 17, 2018 THROUGH OCTOBER 9, 2018.

2. HORIZONTAL BEARINGS REFER TO MASSACHUSETTS STATE PLAN COORDINATE SYSTEM (NAD83) AND THE VERTICAL DATUM REFERS TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). HORIZONTAL BEARING AND VERTICAL DATUM WERE ESTABLISHED FROM RTK GPS OBSERVATIONS.

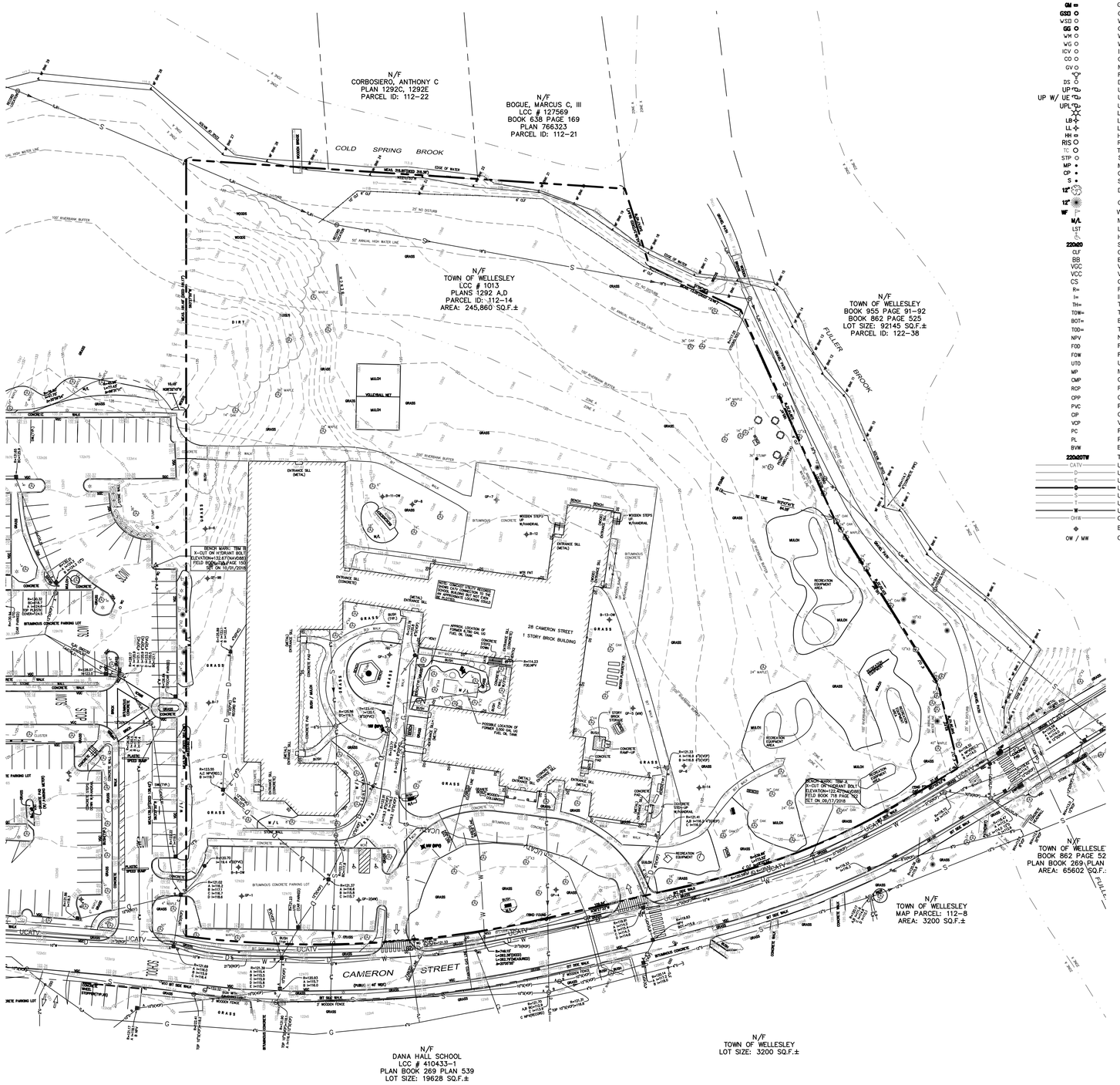
3. THE SUB-SURFACE UTILITY INFORMATION SHOWN HEREON IS COMPILED BASED ON FIELD SURVEY INFORMATION, RECORD INFORMATION AS SUPPLIED BY THE APPROPRIATE UTILITY COMPANIES, AND PLAN INFORMATION SUPPLIED BY THE CLIENT, IF ANY; THEREFORE WE CANNOT GUARANTEE THE ACCURACY OF SAID COMPILED SUB-SURFACE INFORMATION TO ANY CERTAIN DEGREE OF STATED TOLERANCE. ONLY PHYSICALLY LOCATED SUB-SURFACE UTILITY FEATURES FALL WITHIN NORMAL STANDARD OF CARE ACCURACIES.

5. THE LOCATIONS OF UNDERGROUND PIPES, CONDUITS, AND STRUCTURES HAVE BEEN DETERMINED FROM SAID INFORMATION, AND ARE APPROXIMATE ONLY. COMPILED LOCATIONS OF ANY UNDERGROUND STRUCTURES, NOT VISIBLY OBSERVED AND LOCATED, CAN VARY FROM THEIR ACTUAL LOCATIONS.

6. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED.

7. THE STATUS OF UTILITIES, WHETHER ACTIVE, ABANDONED, OR REMOVED, IS AN UNKNOWN CONDITION AS FAR AS OUR COMPILATION OF THIS INFORMATION.

8. WETLANDS WERE DELINEATED BY FOTH INFRASTRUCTURE AND ENVIRONMENT, LLC ON SEPTEMBER 26, 2018. LOCATIONS WERE SURVEYED BY NITSCH ENGINEERING.



EXISTING CONDITIONS LEGEND

	AREA DRAIN
	CATCH BASIN
CV	CABLE TELEVISION MANHOLE
D	DRAIN MANHOLE
E	ELECTRIC MANHOLE
M	MISCELLANEOUS MANHOLE
S	SEWER MANHOLE
T	TELEPHONE MANHOLE
W	WATER MANHOLE
GM	GAS METER
GSO	GAS SHUT-OFF
WSO	WATER SHUT-OFF
GG	GAS GATE
WM	WATER METER
WG	WATER GATE
ICV	IRRIGATION CONTROL VALVE
CO	CLEANOUT
GV	MISCELLANEOUS GATE VALVE
	FIRE HYDRANT
DS	DOWN SPOUT
UP	UTILITY POLE
UP W/ UE	UTILITY POLE WITH CONDUIT LINE TO GROUND
UPL	UTILITY POLE WITH LIGHT
	LIGHT POLE
LB	LIGHT BOLLARD
LL	LANDSCAPE LIGHT
HH	HAND HOLE
RIS	RISER
TC	TRASH CAN
STP	STAND PIPE
MP	METAL POST
CP	CONCRETE POST
S	SIGN POST
12"	DECIDUOUS TREE WITH TRUNK DIAMETER
12"	CONIFEROUS TREE WITH TRUNK DIAMETER
WF	WETLAND FLAG
M/L	MULCH/LANDSCAPING
LST	LANDSCAPING TIMBER
	HANDICAP PARKING
220x20	SPOT ELEVATION
CLF	CHAIN LINK FENCE
BB	BITUMINOUS CONCRETE BERM
VGC	VERTICAL GRANITE CURB
VCC	VERTICAL CONCRETE CURB
CS	COBBLESTONE
R=	RIM ELEVATION EQUALS
I=	INVERT ELEVATION EQUALS
TH=	TOP OF HOOD ELEVATION EQUALS
TOW=	TOP OF WATER EQUALS
BOT=	BOTTOM OF CHAMBER ELEVATION EQUALS
TOD=	TOP OF DIRT/DEBRIS ELEVATION EQUALS
NPV	NO PIPES VISIBLE
FOD	FULL OF DIRT
FOW	FULL OF WATER
UTO	UNABLE TO OPEN
MP	METAL PIPE
CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
PVC	POLYVINYL CHLORIDE PIPE
CIP	CAST IRON PIPE
VCP	VITRIFIED CLAY PIPE
PC	PROPERTY CORNER
PL	PROPERTY LINE
BVW	BORDERING VEGETATED WETLAND
220x01TW	TOP OF WALL ELEVATION
CATV	UNDERGROUND CABLE TELEVISION LINE
D	UNDERGROUND DRAIN LINE
E	UNDERGROUND ELECTRIC LINE
G	UNDERGROUND GAS LINE
S	UNDERGROUND SEWER LINE
T	UNDERGROUND TELEPHONE LINE
W	UNDERGROUND WATER LINE
OHW	OVERHEAD WIRES
	BORING / GEOPROBE
OW / MW	OBSERVATION WELL / MONITORING WELL

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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HUNNEWELL ELEMENTARY SCHOOL

28 CAMERON STREET
WELLESLEY, MA 02482

MARK:	DATE:	DESCRIPTION:
	04/03/2020	PSI APPLICATION

ISSUE LOG

△ = CLOUDED CHANGE

NOT FOR CONSTRUCTION

SCALE	1"=40'
DRAWN BY	PRR
CHECK BY	
PROJ.ARCH./ENGR.	EFP
PROJ. MRG.	KMO
JOB NO.	18080.00

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EXISTING CONDITIONS PLAN

C-101

NOTES

CONSTRUCTION SEQUENCING:

1. INSTALL HAY BALES, SILT FENCE AND FILTER BAGS AT LIMITS OF WORK, AS SHOWN ON DRAWING.

2. INSTALL TEMPORARY CONSTRUCTION ENTRANCES CONSISTING OF A STONE PAD AND WASH RACK, TO MINIMIZE TRACKING DIRT ONTO ROADS.

3. CONSTRUCT TEMPORARY SEDIMENTATION SWALES, CHECK DAMS, AND BASINS, AS SHOWN ON DRAWING. WHEN APPLICABLE, SEDIMENTATION BASINS ARE TO BE EXCAVATED TO SIMILAR DEPTHS AS THE PERMANENT BASINS, AND FITTED WITH TEMPORARY STANDPIPE OUTLETS SURROUNDED BY CRUSHED STONE. CONSTRUCT THE PERMANENT OUTLET PIPE AND DISCHARGE AREA, INCLUDING RIP-RAP APRONS. PROTECT THE INLETS AND OUTLETS WITH HAY BALES. ADJUST LOCATIONS AND INSTALL ADDITIONAL TEMPORARY SWALES AND EARTH BERMS AS NECESSARY THROUGHOUT CONSTRUCTION TO DIVERT STORMWATER RUNOFF TO THE SEDIMENTATION BASINS.

4. WHERE CONSTRUCTION DRIVES WILL BECOME PERMANENT DRIVES, STRIP VEGETATION AND ORGANIC SOILS AS NECESSARY. STOCKPILE MATERIALS THAT ARE TO BE RE-USED. SURROUND SOIL STOCKPILES ON THEIR PERIMETERS WITH STAKED HAYBALES AND SILT FENCES TO CONTROL EROSION. PLACE WELL-DRAINED GRAVEL MATERIAL AT REQUIRED DEPTHS ALONG THE DRIVE LENGTH. SUPPLEMENT GRAVEL OR STONE MATERIAL ON AN AS-NEEDED BASIS IN ORDER TO MAINTAIN A STRUCTURALLY SOUND, WELL-DRAINED SURFACE ON WHICH CONSTRUCTION EQUIPMENT WILL TRAVEL. DIRT TRACKED ONTO ROADWAYS IS TO BE CLEANED IMMEDIATELY. DIRECT WASH WATER TO A SEDIMENTATION BASIN.

5. COMMENCE EARTHWORK ACTIVITIES WITHIN THE BUILDING AND PARKING AREAS. DO NOT REMOVE EXISTING VEGETATION FROM AREAS UNTIL SUCH TIME THAT THE SPECIFIC AREA IS TO BE CONSTRUCTED. STRIP AND STOCKPILE TOPSOIL. SURROUND STOCKPILES ON THEIR PERIMETERS WITH STAKE HAYBALES AND SILT FENCE.

6. COMMENCE MAJOR EARTHWORK ACTIVITIES. UTILITIES AND INSTALLATION OF SITE STRUCTURES ARE TO FOLLOW. AS EACH CATCH BASIN IS INSTALLED AND ON-LINE, A HAY BALE FILTER OR SILT SACK IS TO BE INSTALLED TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM. AREAS SUSCEPTIBLE TO EROSION ARE TO BE COVERED WITH A TEMPORARY GRASS SEED MIXTURE UNTIL SUCH TIME AS FINAL VEGETATIVE COVER CAN BE IMPLEMENTED.

7. AT THE COMPLETION OF CONSTRUCTION, ONCE VEGETATIVE COVER IS ESTABLISHED AND IF APPLICABLE, CLEAN OUT THE SEDIMENTATION BASINS AND EXCAVATE TO SPECIFIED ELEVATIONS FOR THE INSTALLATION OF THE PERMANENT BASINS. CLEAN SILT AND SEDIMENT OUT FROM THE SUMPS IN THE CATCH BASINS. THE SITE IS TO RECEIVE FINAL INSPECTION, AND EROSION CONTROL MEASURES ARE TO BE REMOVED. THE DRIVES AND PARKING AREAS ARE TO BE SWEPT AND CLEANED.

UTILITIES AND DEMOLITION NOTES:

1. PRIOR TO CONSTRUCTION, VERIFY EXISTING UTILITY LOCATIONS AS SHOWN ON THE DRAWINGS. REPORT DISCREPANCIES TO THE ARCHITECT.

2. CONTACT THE APPROPRIATE UTILITY COMPANY AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. NOTIFY THE ARCHITECT OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION.

3. PROTECT NEW AND EXISTING UTILITIES DURING CONSTRUCTION. ONLY REMOVE EXISTING UTILITIES THAT ARE SPECIFICALLY DESIGNATED ON THIS PLAN TO BE REMOVED.

4. MAINTAIN FUNCTIONING UTILITIES AND NOTIFY THE OWNER AND ARCHITECT A MINIMUM OF 5 DAYS PRIOR TO ANY UTILITY SERVICE INTERRUPTION. OBTAIN APPROVAL TO PROCEED PRIOR TO INTERRUPTION.

5. IF UNDOCUMENTED UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, CONTACT THE ARCHITECT FOR DIRECTION, PRIOR TO ALTERING THE UTILITY IN ANY WAY.

6. PROTECT EXISTING SITE FEATURES DURING CONSTRUCTION, EXCEPT FOR THOSE ITEMS OR AREAS SPECIFICALLY DESIGNATED ON THIS PLAN TO BE REMOVED.

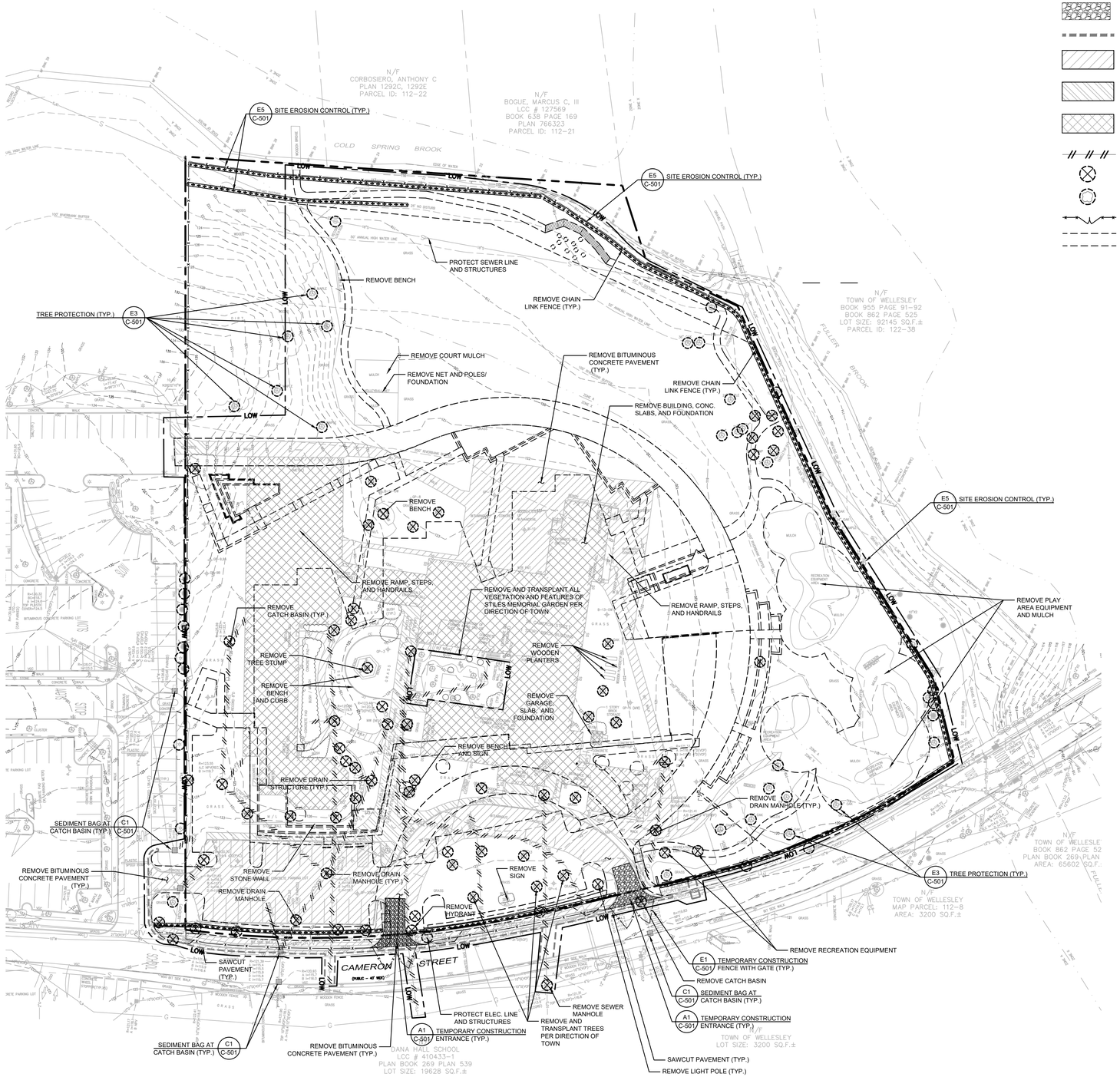
7. PROTECT EXISTING TREES AND VEGETATION DURING CONSTRUCTION, EXCEPT FOR THOSE ITEMS OR AREAS SPECIFICALLY DESIGNATED ON THIS PLAN TO BE REMOVED. INSTALL TREE PROTECTION PER DETAIL AT LOCATIONS INDICATED. REPLACE OR PROVIDE COMPENSATION FOR TREES DAMAGED OR DECEASED AS A RESULT OF CONSTRUCTION ACTIVITIES THAT WERE DESIGNATED TO BE PROTECTED.

8. FURNISH AND INSTALL TEMPORARY DRAINAGE, WATER, SEWER, GAS, ELECTRICAL, AND TELECOMMUNICATION UTILITIES DESIGNATED ON THIS PLAN. MAINTAIN TEMPORARY UTILITIES THROUGHOUT CONSTRUCTION. REMOVE UTILITIES ONCE PERMANENT UTILITIES ARE FUNCTIONAL, OR WHEN TEMPORARY SERVICE IS NO LONGER REQUIRED.

9. REMOVE DEMOLISHED MATERIALS NOT DESIGNATED FOR SALVAGE OR STOCKPILE, OFF THE SITE AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL CODES AND REGULATIONS.

10. ADJUST TEMPORARY FENCING AS REQUIRED THROUGHOUT CONSTRUCTION.

11. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT.



SITE PREPARATION LEGEND

- LIMIT OF WORK
- SITE EROSION CONTROL
- SEDIMENT BAG AT CATCH BASIN
- TEMPORARY CONSTRUCTION ENTRANCE
- SAWCUT LINE
- REMOVE BITUMINOUS CONCRETE PAVEMENT AND ADJACENT CURB
- REMOVE CEMENT CONCRETE PAVEMENT AND PADS
- REMOVE BUILDING, CONCRETE SLABS, AND FOUNDATION
- REMOVE UTILITY LINE AND STRUCTURE
- REMOVE ITEM
- PROTECT ITEM
- TEMPORARY FENCE W/ GATE
- PROPOSED CURB/EOP LINE
- PROPOSED BUILDING LINE

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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SITE PREPARATION PLAN

C-111

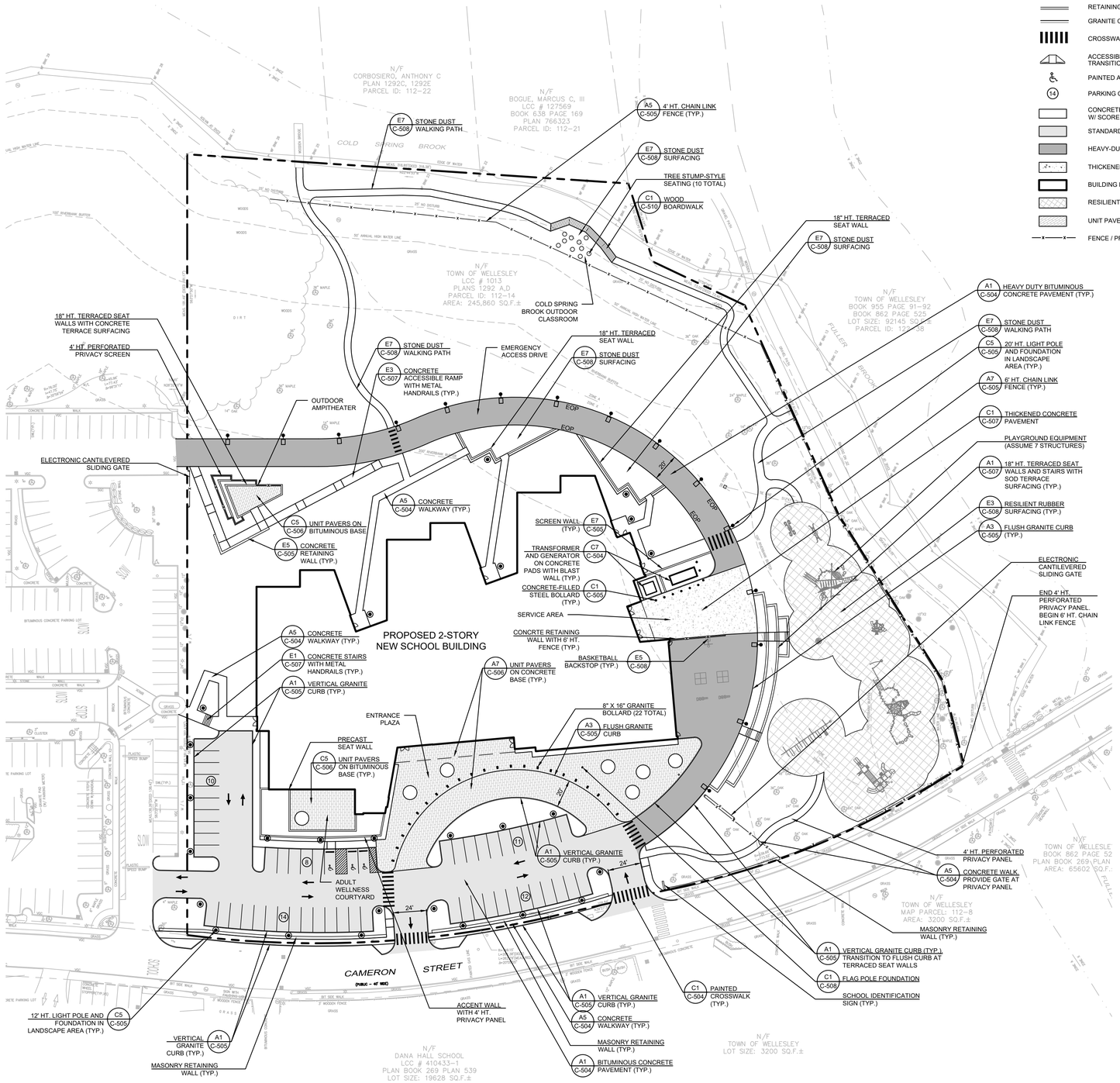
NOTES:

1. ALL MEASUREMENTS ARE TAKEN FROM FACE OF CURB OR FOUNDATION WALL.

2. PROVIDE HANDICAP SPACES WITH SIGNS INDICATING THAT THEY ARE RESERVED. THE SIGNS FOR VAN SPACES ARE TO CONTAIN THE WORDS "VAN ACCESSIBLE". SIGNS MUST BE ADA COMPLIANT.

3. COORDINATE THE EXACT LOCATION OF THE TRANSFORMER AND GENERATOR PADS WITH THE ELECTRICAL PLANS.

4. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS AND LOCATIONS OF DOORS.



LAYOUT AND MATERIALS LEGEND

- BOLLARD
- SIGN
- LIGHTPOLE BASE (SINGLE FIXTURE)
- RETAINING WALL
- GRANITE CURB
- CROSSWALK
- ACCESSIBLE CURB CUT W/ TRANSITION CURB
- PAINTED ACCESSIBLE PARKING SYMBOL
- (14) PARKING COUNTS (9'x18')
- CONCRETE WALK / PLAZA W/ SCORE JOINTS
- STANDARD BITUMINOUS PAVEMENT
- HEAVY-DUTY BITUMINOUS PAVEMENT
- THICKENED CONCRETE PAVEMENT
- BUILDING LIMITS
- RESILIENT RUBBER SURFACING
- UNIT PAVERS
- FENCE / PRIVACY SCREEN

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

P:\2018\18080\BIM\rlcs\C-121 LAYOUT AND MATERIALS PLAN.dwg 3/26/2020 12:51:23 PM

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LAYOUT & MATERIALS PLAN

C-121

NOTES

1. PRIOR TO CONSTRUCTION, VERIFY EXISTING UTILITY LOCATIONS AS SHOWN ON THE DRAWINGS. REPORT DISCREPANCIES TO THE ARCHITECT.

2. FILE AND PAY FOR APPLICABLE PERMITS AND FEES (UNLESS OTHERWISE NOTED).

3. PIPE MATERIALS AND SIZES (UNLESS OTHERWISE SPECIFIED):
   STORM DRAIN: 12" CORRUGATED POLYETHYLENE PIPE (CPE)
   WATER: 6" CLASS 52 CEMENT LINED DUCTILE IRON (CLDI)
   SEWER: 6" POLYVINYL CHLORIDE PIPE (PVC)

4. PROVIDE ADEQUATE BRACING AND SHORING OF ALL EXCAVATIONS IN ACCORDANCE WITH ALL GOVERNING CODES AND REGULATIONS.

5. PROTECT NEW AND EXISTING UTILITIES TO REMAIN, DURING CONSTRUCTION.

6. COORDINATE WORK WITH APPROPRIATE UTILITY COMPANIES.

7. CONTACT THE APPROPRIATE UTILITY COMPANY AND "DIG SAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. NOTIFY THE ARCHITECT OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION.

8. NOTIFY THE ARCHITECT A MINIMUM OF 5 DAYS PRIOR TO PERFORMING ANY WORK THAT INVOLVES CONFLICTS BETWEEN PROPOSED UTILITIES AND EXISTING UTILITIES TO REMAIN.

9. IF UNDOCUMENTED UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, CONTACT THE ARCHITECT FOR DIRECTION, PRIOR TO ALTERING THE UTILITY IN ANY WAY.

10. THE GAS, ELECTRIC AND TELEPHONE SERVICES SHOWN ARE APPROXIMATE. COORDINATE ACTUAL LOCATIONS WITH THE APPROPRIATE SUBCONTRACTOR AND UTILITY COMPANY.

11. REFER TO ELECTRICAL SITE PLANS FOR MORE INFORMATION REGARDING ELECTRICAL AND TELECOMMUNICATION UTILITIES, APPLICABLE DETAILS, DUCTBANK SIZES, ANY TEMPORARY UTILITIES, AND FOR THE EXACT NUMBER AND TYPE OF LIGHTING FIXTURES.

12. VERIFY EXISTING DRAINAGE AND SEWER INVERTS WHERE NEW UTILITY CONNECTIONS ARE PROPOSED. REPORT DISCREPANCIES FROM EXISTING OR PROPOSED CONNECTING INVERTS SHOWN TO THE ARCHITECT, PRIOR TO PERFORMING ANY DRAINAGE WORK TRIBUTARY TO THE CONNECTION POINT.

13. RESET RIMS OF EXISTING UTILITY FRAMES, COVERS, AND GRATES WITH NEW BRICK AND MORTAR RISER COURSE TO MATCH PROPOSED FINISH GRADE WITHIN THE LIMIT OF WORK. NOTIFY ARCHITECT IF EXISTING STRUCTURES NEED ADDITIONAL REPAIR OR REPLACEMENT DUE TO CONDITION.

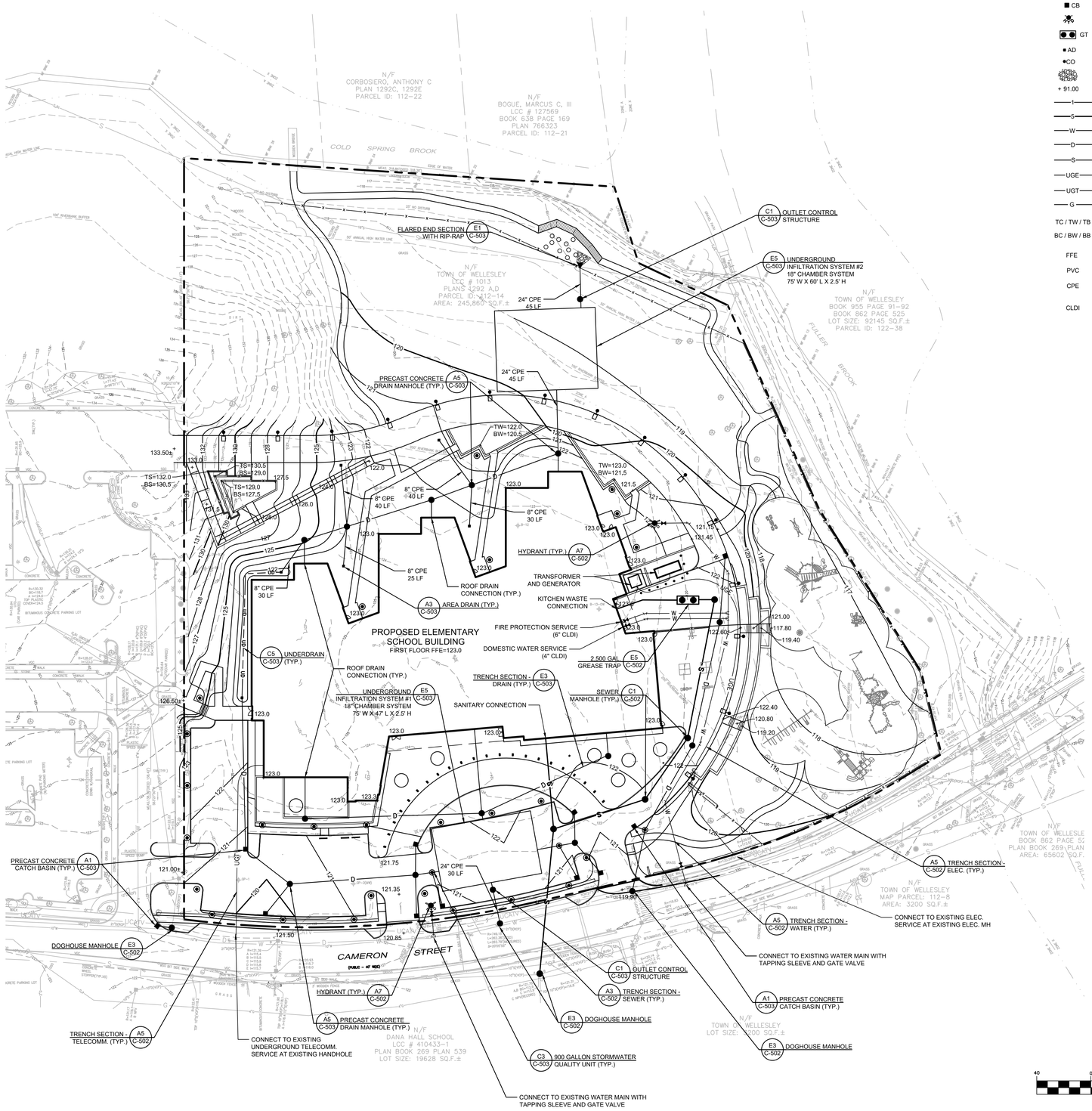
14. INSTALL BITUMINOUS PAVEMENT AND CEMENT CONCRETE TO HAVE 1% MINIMUM SLOPE FOR DRAINAGE, AND IN ACCORDANCE WITH THE PROPOSED GRADES SHOWN. REPORT ANY AREAS OF DISCREPANCY WITH THE GRADING INDICATED TO THE ARCHITECT PRIOR TO GRADING BASE MATERIAL.

15. PROVIDE CONCRETE THRUST BLOCKS AT ALL BENDS 22.5° AND GREATER IN NEW WATER LINES.

16. CONFIRM NEW HYDRANTS, VALVES, AND FITTINGS MEET THE REQUIREMENTS OF THE TOWN OF WELLESLEY FIRE DEPARTMENT AND WATER DEPARTMENT.

17. ESTABLISH AND MAINTAIN CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT.

18. CLEAN UTILITY STRUCTURES PRIOR TO PROJECT CLOSE-OUT.



GRADING AND UTILITIES LEGEND

FES	FLARED END SECTION
	WATER GATE
SMH	SEWER MANHOLE
DMH	DRAIN MANHOLE
WQU	WATER QUALITY UNIT (MANHOLE)
CB	CATCH BASIN
	HYDRANT
GT	GREASE TRAP
AD	AREA DRAIN
CO	CLEAN OUT
	RIPRAP
+ 91.00	SPOT GRADE
1	1' CONTOUR
5	5' CONTOUR
W	WATER LINE
D	DRAIN LINE
S	SEWER LINE
UGE	UNDERGROUND ELECTRIC LINE
UGT	UNDERGROUND TELECOMM. LINE
G	GAS LINE
TC / TW / TB	TOP OF CURB / TOP OF WALL / TOP OF BANK
BC / BW / BB	BOTTOM OF CURB / BOTTOM OF WALL / BOTTOM OF BANK
FFE	FINISH FLOOR ELEVATION
PVC	POLYVINYL CHLORIDE PIPE
CPE	CORRUGATED POLYETHYLENE PIPE
CLDI	CEMENT LINE DUCTILE IRON PIPE

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

P:\2018\18080\BIM\c\cs\C-131 GRADING AND UTILITIES PLAN.dwg 3/26/2020 12:52:15 PM

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CHECK BY	
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PROJ. MRG.	KMO
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GRADING AND UTILITIES PLAN

C-131

GENERAL PLANTING NOTES:

1. REFER TO SPEC FOR FULL PLANTING NOTES
2. NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOC. OF NURSERYMEN, INC. IN ADDITION, NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
3. NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER-GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
4. SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
5. PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE.
6. PLANTS SHALL BE TAGGED AND APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
7. LOCATE AND VERIFY EXISTING UTILITY LINES PRIOR TO PLANTING AND REPORT CONFLICTS TO THE ARCHITECT.
8. DO NOT PLANT TREES BEFORE ROUGH GRADING HAS BEEN ACCEPTED.
9. TREES SHALL BEAR THE SAME RELATIONSHIP TO GRADE AS THEY BORE TO PREVIOUS GRADE.
10. STAKE LOCATION OF PROPOSED PLANTING FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING.
11. PREPARE SHRUB PLANTING BEDS TO A MINIMUM DEPTH OF EIGHTEEN INCHES (18") WITH LOAM. ALL PLANT BEDS AND INDIVIDUAL TREE PITS SHALL RECEIVE THREE INCHES (3") OF BARK MULCH.
12. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED, STOLEN, DEAD, DECLINING OR LOST MATERIAL UNTIL COMPLETION OF MAINTENANCE PERIODS OR GUARANTEE PERIODS.
13. AREAS TO BE SEEDED OR SODDED SHALL RECEIVE SIX INCHES (6") OF LOAM, MEASURED AFTER COMPACTION, PRIOR TO SEEDING.
14. EXISTING LAWN AREAS DESIGNATED TO REMAIN SHALL BE AERATED, FERTILIZED AND OVERSEEDED.
15. IN ADDITION TO LOCATIONS DEFINED FOR SEED ON THE PLANTING PLAN, ALSO SEED GRASS AREAS WHICH HAVE BEEN DISTURBED BY THE CONSTRUCTION.
16. AREAS INDICATED AS LAWN (WITHIN THE MOW LINE) ARE TO BE IRRIGATED VIA SPRAY. AREAS SHOWN AS SHRUBS, PERENNIALS, AND GROUNDCOVER ARE TO BE DRIP IRRIGATED

PLANTING LEGEND

LARGE DECIDUOUS TREE	3 $\frac{1}{2}$" - 4" CAL - B&B
UPRIGHT DECIDUOUS TREE	3 - 3 $\frac{1}{2}$"CAL - B&B
MULIT-STEM DECIDUOUS TREE	8'-10' HT - BB
UNDERSTORY PLANTING	

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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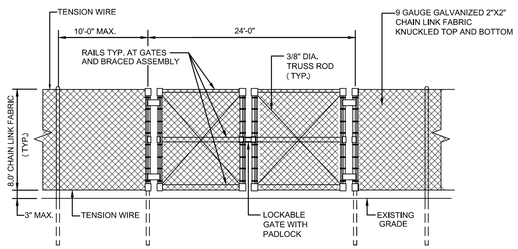
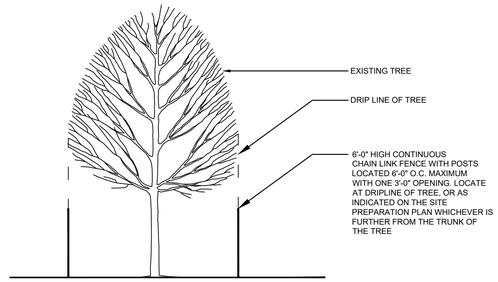
PLANTING PLAN

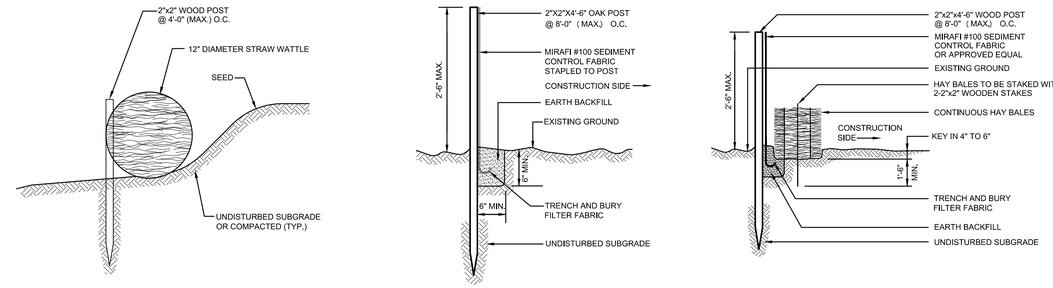
C-151



E1 TEMPORARY CONSTRUCTION FENCE W/GATE
N.T.S.

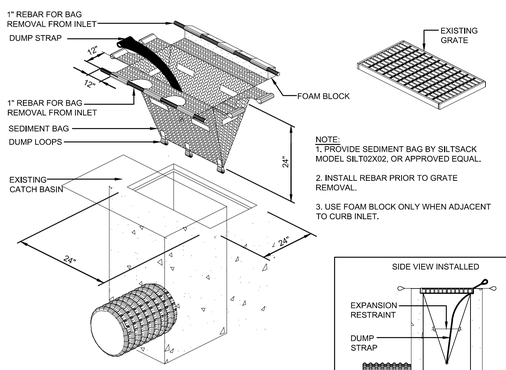


E3 TREE PROTECTION DETAIL
N.T.S.



NOTE:
INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS

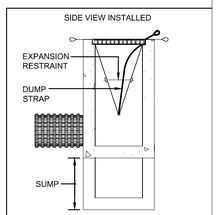
E5 SITE EROSION CONTROL
N.T.S.



NOTE:
1. PROVIDE SEDIMENT BAG BY SILTSACK MODEL SILT02X02, OR APPROVED EQUAL.

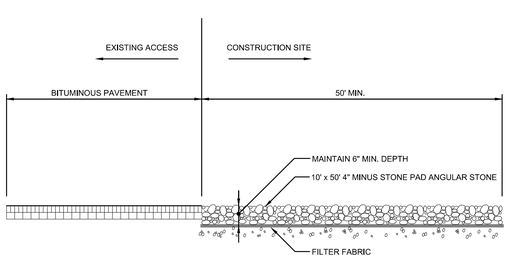
2. INSTALL REBAR PRIOR TO GRATE REMOVAL.

3. USE FOAM BLOCK ONLY WHEN ADJACENT TO CURB INLET.

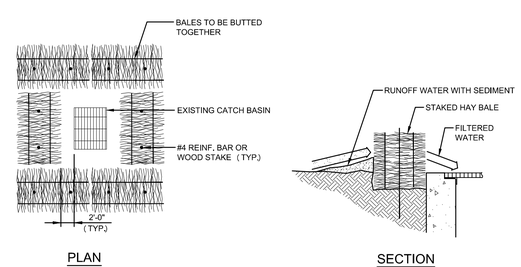


INSTALLATION DETAIL

C1 SEDIMENT BAG AT CATCH BASIN
N.T.S.



A1 TEMPORARY CONSTRUCTION ENTRANCE
N.T.S.



A5 HAYBALE FILTER AT CATCH BASIN
N.T.S.

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HUNNEWELL ELEMENTARY SCHOOL

28 CAMERON STREET
WELLESLEY, MA 02482

MARK:	DATE:	DESCRIPTION:
	04/03/2020	PSI APPLICATION

ISSUE LOG

△ = CLOUDED CHANGE

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SCALE	N.T.S.
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CHECK BY	
PROJ.ARCH./ENGR.	EFP
PROJ. MRG.	KMO
JOB NO.	18080.00

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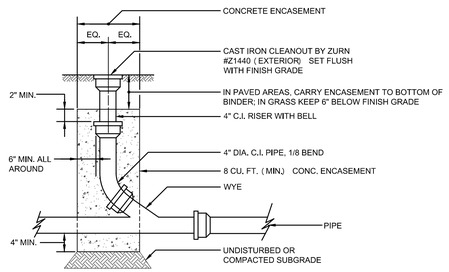
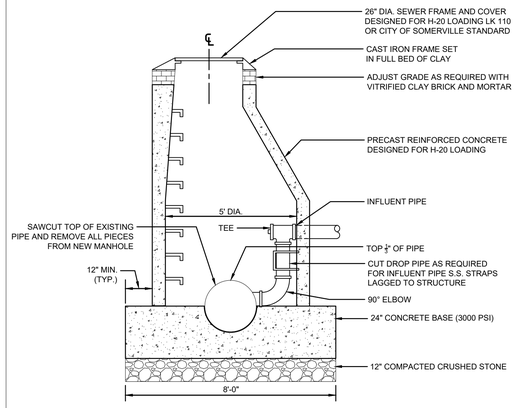
SITE DETAILS I

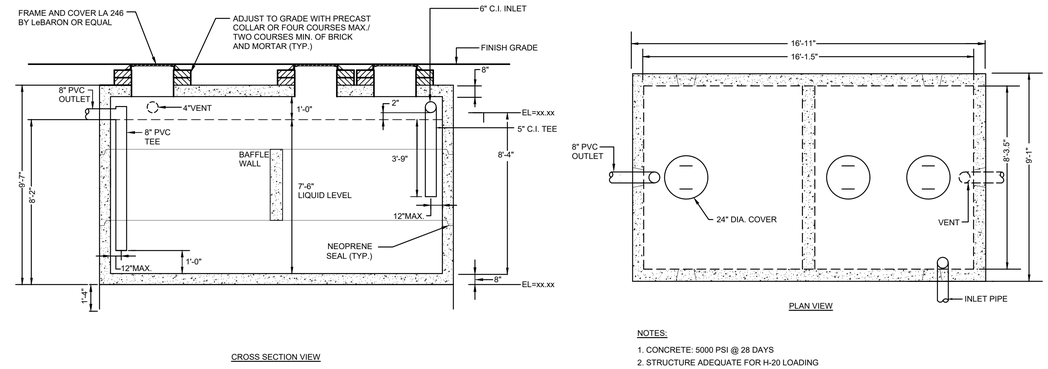
C-501



E1 TYPICAL CLEANOUT
N.T.S.



E3 DOGHOUSE MANHOLE
N.T.S.

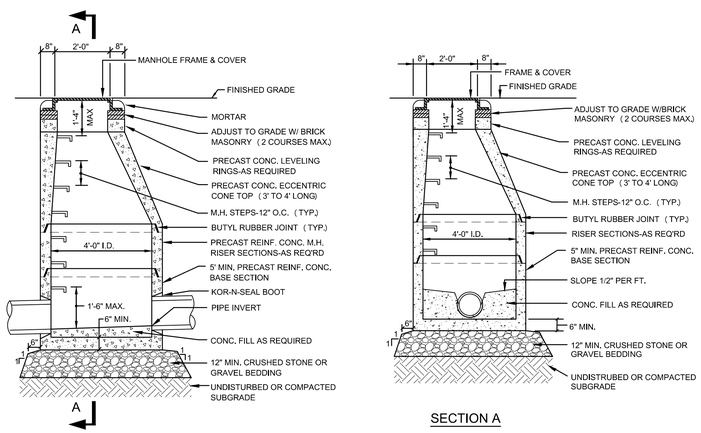


CROSS SECTION VIEW

NOTES:

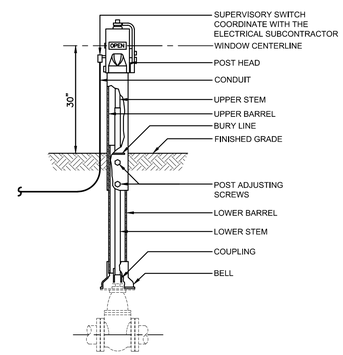
1. CONCRETE: 5000 PSI @ 28 DAYS
2. STRUCTURE ADEQUATE FOR H-20 LOADING
3. NEOPRENE SEAL TO CONFORM TO ASTMC-433

E5 2,500 GALLON GREASE TRAP
N.T.S.

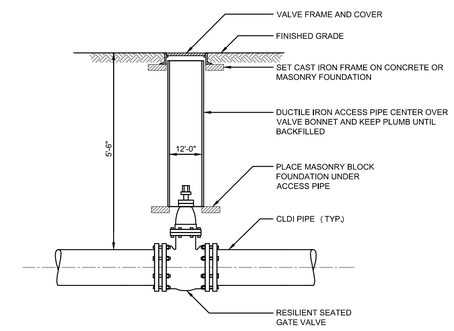


SECTION A

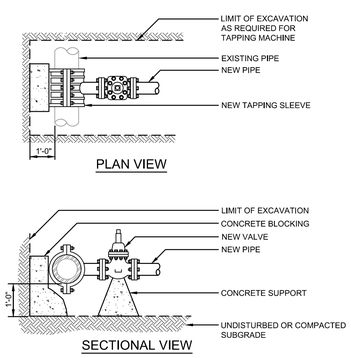
C1 STANDARD SEWER MANHOLE
N.T.S.



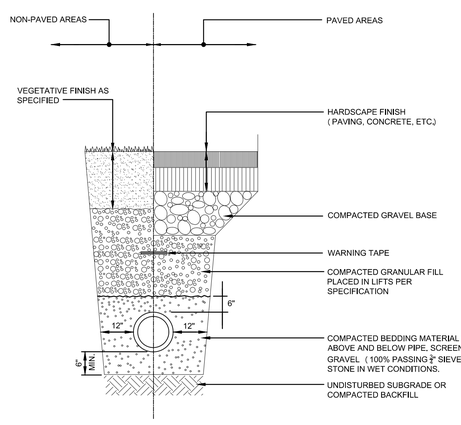
C5 POST INDICATOR VALVE
N.T.S.



C7 GATE VALVE AND BOX
N.T.S.

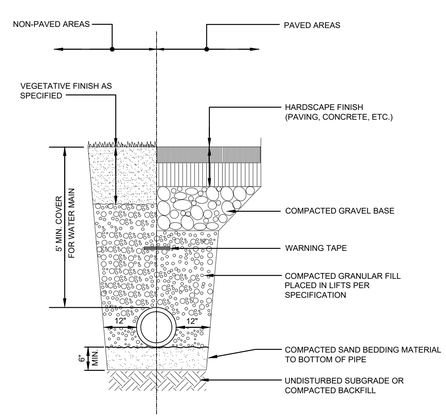


A1 TAPPING SLEEVE AND GATE VALVE
N.T.S.



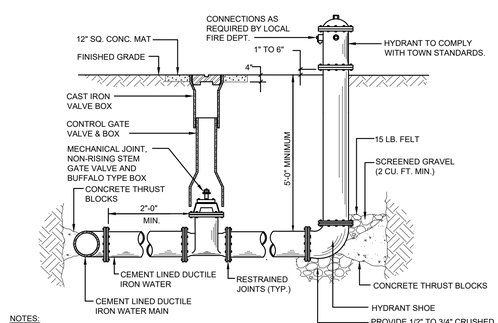
NOTE: SEE APPLICABLE HARDSCAPE DETAIL FOR THICKNESS OF HARDSCAPE MATERIAL AND GRAVEL BASE COURSE.

A3 TRENCH SECTION - SEWER PIPE
N.T.S.



NOTE: SEE APPLICABLE HARDSCAPE DETAIL FOR THICKNESS OF HARDSCAPE MATERIAL AND GRAVEL BASE COURSE.

A5 TRENCH SECTION - WATER, ELEC, TELE/COMM
N.T.S.



NOTES:

1. EXTEND RISER SECTION AS REQUIRED TO ESTABLISH PROPER HYDRANT ELEVATION.
2. SEE THRUST BLOCK DETAIL FOR CONCRETE THRUST BLOCK REQUIREMENTS.

A7 HYDRANT
N.T.S.

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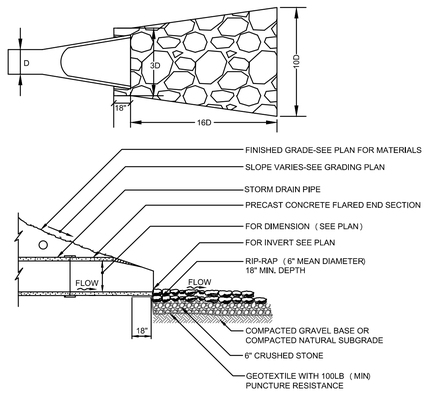
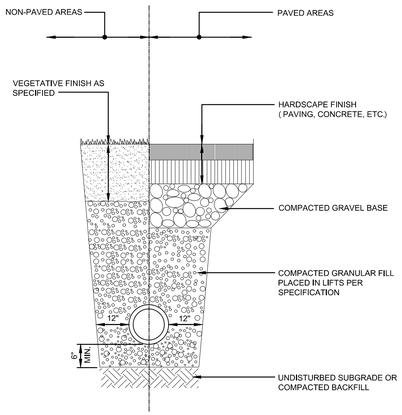
SITE DETAILS II

C-502

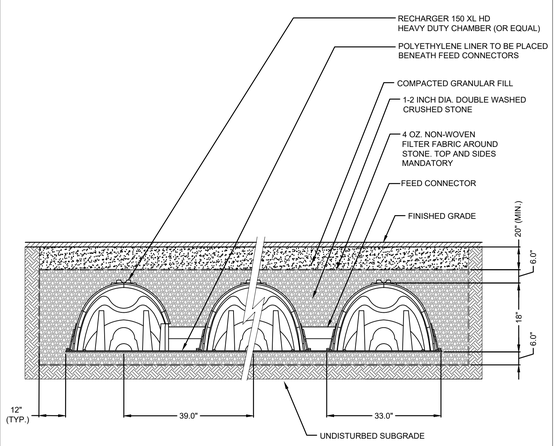


E1 FLARED END SECTION
N.T.S.

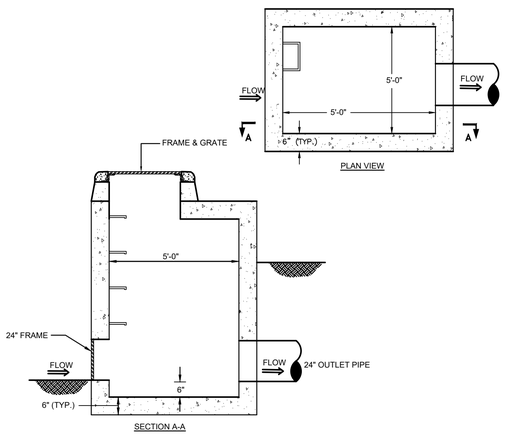


NOTE: SEE APPLICABLE HARDSCAPE DETAIL FOR THICKNESS OF HARDSCAPE MATERIAL AND GRAVEL BASE COURSE.

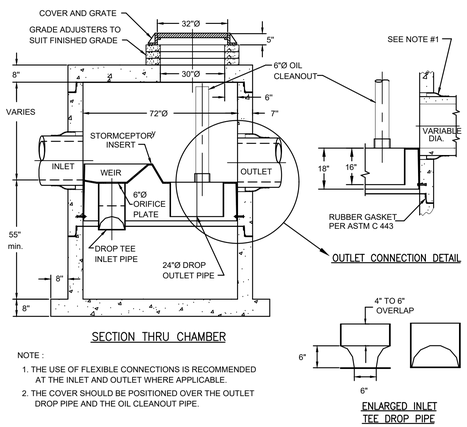
E3 TRENCH SECTION - CPE DRAINS
N.T.S.



E5 UNDERGROUND INFILTRATION SYSTEM
N.T.S.

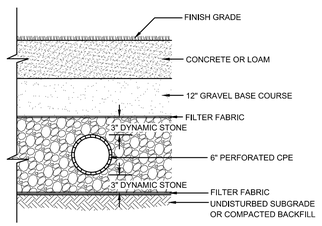


C1 OUTLET CONTROL STRUCTURE
N.T.S.

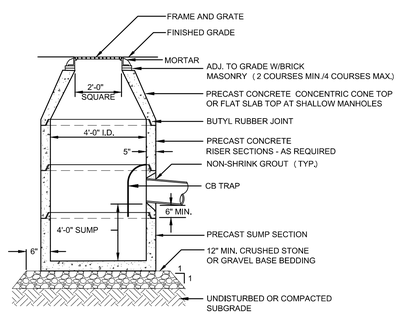


NOTE :
1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL CLEANOUT PIPE.

C3 900 GALLON STORMWATER QUALITY UNIT
N.T.S.

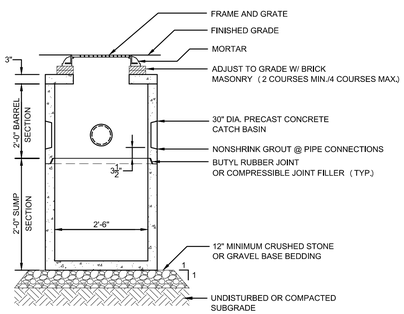


C5 UNDERDRAIN
N.T.S.



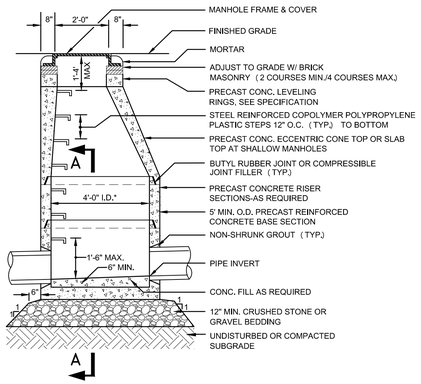
NOTES: 1. STRUCTURE ADEQUATE FOR H-20 LOADING.

A1 PRECAST CONCRETE CATCHBASIN
N.T.S.

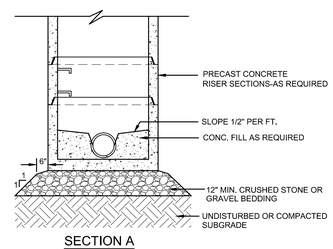


NOTE: 1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS
2. PROVIDE H-20 LOADING STRUCTURE

A3 AREA DRAIN
N.T.S.



NOTE: 1. STRUCTURE ADEQUATE FOR H-20 LOADING.



SECTION A

* PROVIDE 5' I.D. OR 6' I.D. SECTIONS AS REQUIRED FOR MULTIPLE/LARGE DIAMETER PIPES.

A5 PRECAST CONCRETE DRAIN MANHOLE
N.T.S.

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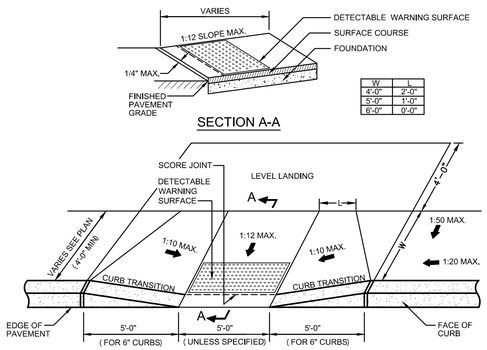
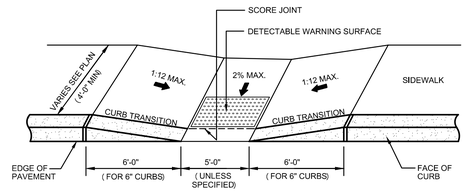
SITE DETAILS III

C-503

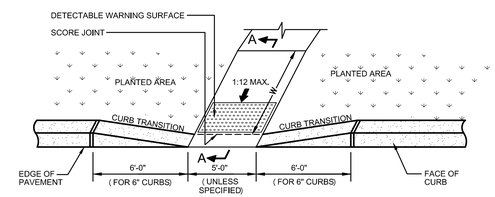


W	L
4'-0"	2'-0"
5'-0"	1'-0"
6'-0"	0'-0"

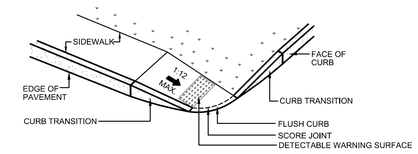
E1 ACCESSIBLE CURB CUT - TYPE 1
N.T.S.



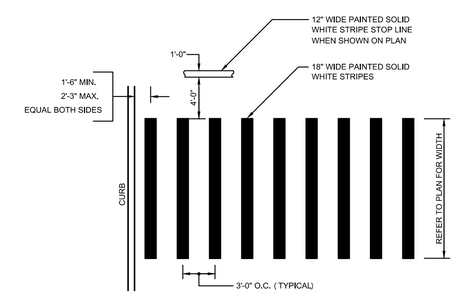
E3 ACCESSIBLE CURB CUT - TYPE 2
N.T.S.



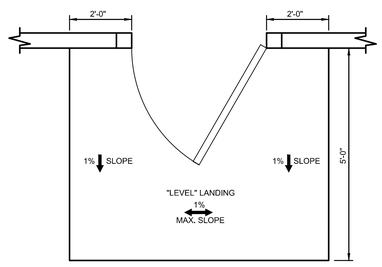
E5 ACCESSIBLE CURB CUT - TYPE 3
N.T.S.



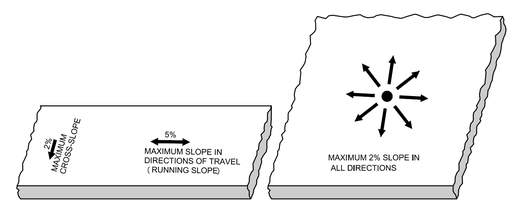
E7 ACCESSIBLE CURB CUT - TYPE 4
N.T.S.



C1 TYPICAL CROSSWALK
N.T.S.



C3 LEVEL LANDING AT BUILDING ENTRANCES
N.T.S.

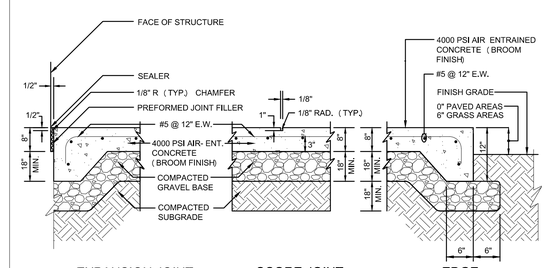


SIDEWALKS

PLAZA AREAS OR OPEN PAVEMENT AREAS

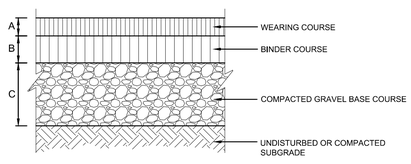
C5 PAVEMENT SLOPES
N.T.S.

NOTE: PROVIDE SCORE JOINT ONLY AS INDICATED ON PLAN.



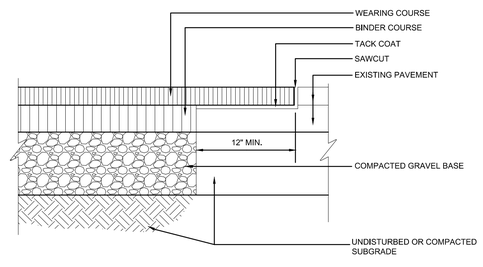
C7 EQUIPMENT PAD
N.T.S.

	WEARING COURSE "A"	BINDER COURSE "B"	GRAVEL BASE "C"
STANDARD DUTY	1½"	2½"	12"
HEAVY DUTY	2"	2½"	18"
WALKWAY	1"	1½"	6"



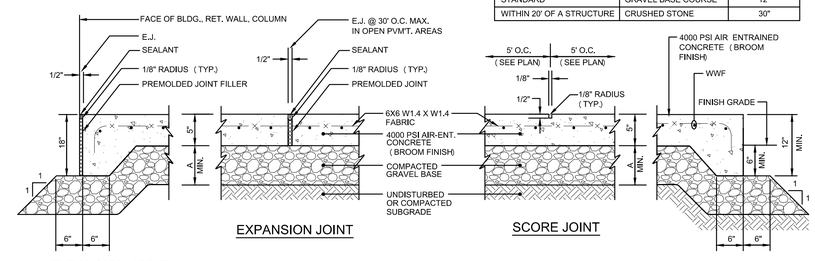
NOTE:
FOR BITUMINOUS CONCRETE SIDEWALK
USE 8" OF COMPACTED GRAVEL BASE.

A1 BITUMINOUS CONCRETE PAVEMENT
N.T.S.



A3 BITUMINOUS CONCRETE AT EXISTING PAVEMENT
N.T.S.

WALKWAY TYPE	BASE COURSE MATERIAL	THICKNESS (A)
STANDARD	GRAVEL BASE COURSE	12"
WITHIN 20' OF A STRUCTURE	CRUSHED STONE	30"



NOTES:
1. MAXIMUM CROSS SLOPE = 2%
2. MAXIMUM GRADIENT = 5%
3. PROVIDE EXPANSION JOINT AT FACE OF ABUTTING SLABS AND STRUCTURES.
4. PROVIDE VERTICAL GRANITE OR PRECAST CONCRETE CURBING PER SHEET C3.

A5 CONCRETE WALKWAY
N.T.S.

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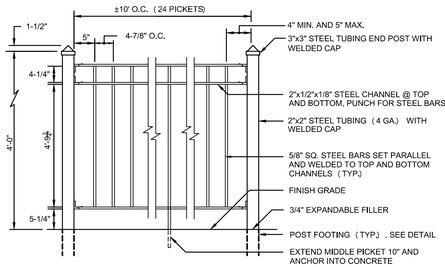
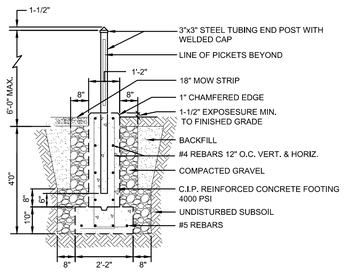
SITE DETAILS IV

C-504



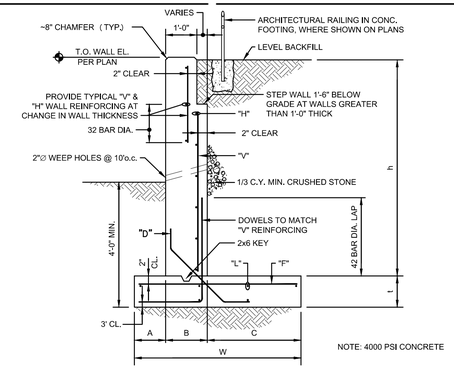
NOTES:
1. ALL WELDS SHALL BE CONTINUOUS AND MOISTURE PROOF.
2. ALL FENCE COMPONENTS SHALL BE GALVANIZED AFTER FABRICATION. PAINT AS PER SPECS.
3. PROVIDE SHOP DRAWINGS, COORDINATED WITH ON-SITE CONDITIONS TO RECEIVE FENCES, FOR APPROVAL.
4. POSTS & PICKETS SHALL BE SET PLUMB AND VERTICAL. TOP & BOTTOM CHANNELS SHALL BE PARALLEL AND LEVEL

E1 STEEL PICKET FENCE
N.T.S.



STEEL PICKET FENCE NOTES:
1. ALL WELDS SHALL BE CONTINUOUS AND MOISTURE PROOF.
2. ALL FENCE COMPONENTS SHALL BE GALVANIZED AFTER FABRICATION. PAINT AS PER SPECS.
3. POSTS SHALL BE SET PLUMB VERTICAL.
4. PROVIDE SHOP DRAWINGS, COORDINATED WITH ON-SITE CONDITIONS TO RECEIVE FENCES, FOR APPROVAL.

E3 METAL FENCE END POST
N.T.S.

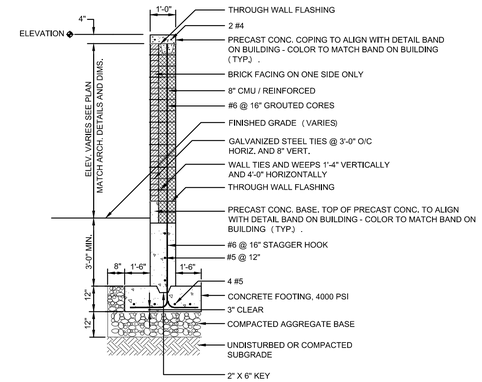


NOTE: 4000 PSI CONCRETE

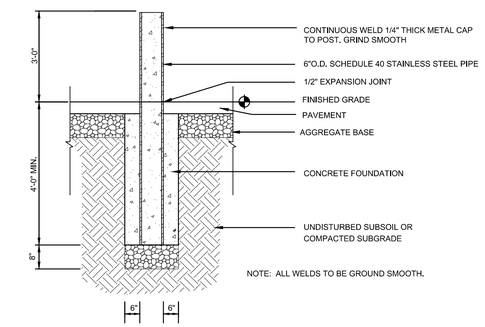
RETAINING WALL TYPE "A"										
DIMENSIONS						REINFORCING				
h	A	B	C	W	t	V	H	F	L	D
6' ≤	8"	1'-0"	2'-6"	4'-2"	1'-0"	#5@12"	#5@10"	#5@12"	5-#5	#4@12"
6' TO 12'	1'-9"	1'-3"	5'-5"	8'-5"	1'-3"	#6@8"	#6@12"	#5@8"	9-#5	#4@8"
12' TO 15'	2'-3"	1'-6"	7'-1"	10'-10"	1'-6"	#8@8"	#6@10"	#7@8"	10-#6	#5@8"

NOTE: IN-BETWEEN DIMENSIONS MUST ALWAYS BE ROUNDED UP.

E5 CONCRETE RETAINING WALL
N.T.S.

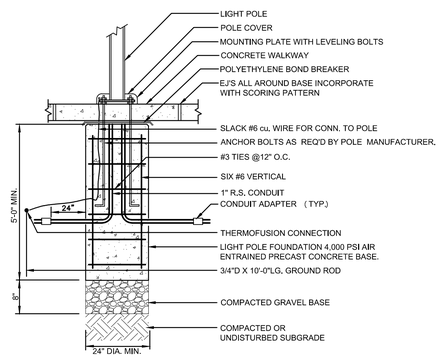


E7 SCREEN WALL
N.T.S.

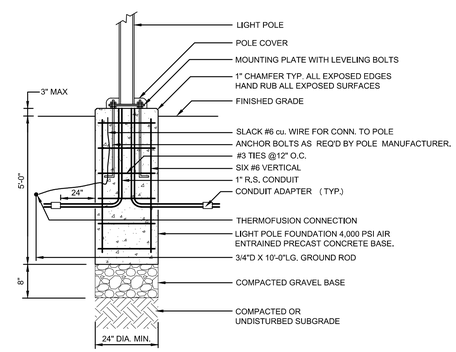


NOTE: ALL WELDS TO BE GROUND SMOOTH.

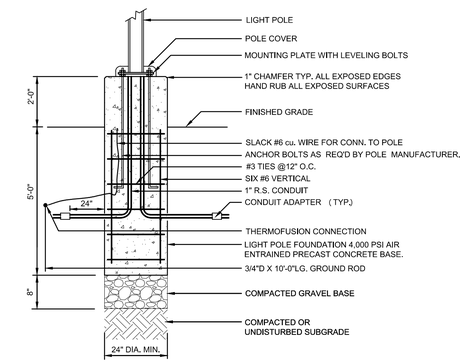
C1 STEEL BOLLARD
N.T.S.



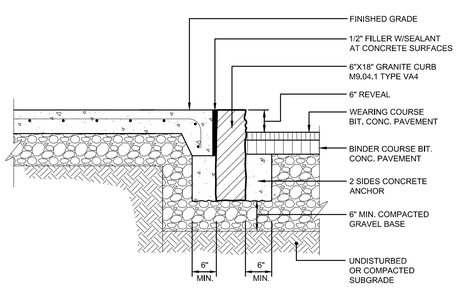
C3 LIGHT POLE BASE IN CONCRETE WALKWAY
N.T.S.



C5 LIGHTPOLE BASE IN LANDSCAPE AREAS
N.T.S.

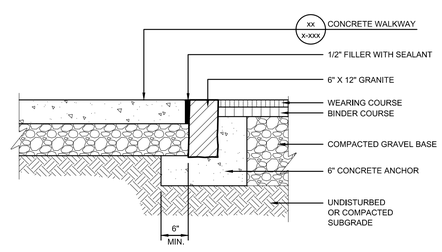


C7 LIGHTPOLE BASE IN PAVEMENT
N.T.S.

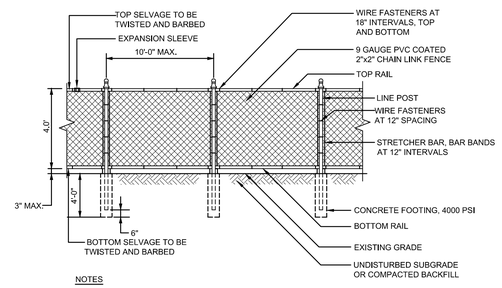


NOTE:
WHEN VERTICAL GRANITE CURB IS TO BE INSTALLED ADJACENT TO EXISTING PAVEMENT, CONTRACTOR SHALL SAWCUT THE EXISTING PAVEMENT.

A1 VERTICAL GRANITE CURB
N.T.S.

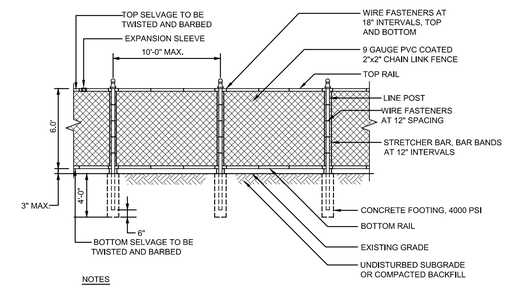


A3 FLUSH GRANITE CURB
N.T.S.



NOTES
1. CONCRETE FOUNDATIONS SHALL HAVE A DIAMETER EQUAL TO FOUR TIMES THE DIAMETER OF THE POST, BUT NOT LESS THAN 12 INCHES.
2. ALL POST, RAILS, BRACES AND CAPS BARS, TIES, FASTENERS TO BE PVC COATED (SPICIFY COLOR)

A5 4' HIGH CHAIN LINK FENCE
N.T.S.



NOTES
1. CONCRETE FOUNDATIONS SHALL HAVE A DIAMETER EQUAL TO FOUR TIMES THE DIAMETER OF THE POST, BUT NOT LESS THAN 12 INCHES.
2. ALL POST, RAILS, BRACES AND CAPS BARS, TIES, FASTENERS TO BE PVC COATED (SPICIFY COLOR)

A7 6' HIGH CHAIN LINK FENCE
N.T.S.

P:\2018\18080\BIM\c\cs\C-501 SITE DETAILS.dwg 3/26/2020 12:59:45 PM

P:\2018\18080\BIM\c\cs\C-501 SITE DETAILS.dwg 3/26/2020 12:59:42 PM

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28 CAMERON STREET
WELLESLEY, MA 02482

MARK:	DATE:	DESCRIPTION:
	04/03/2020	PSI APPLICATION

ISSUE LOG

△ = CLOUDED CHANGE

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SCALE	N.T.S.
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CHECK BY	
PROJ.ARCH./ENGR.	EFP
PROJ. MRG.	KMO
JOB NO.	18080.00

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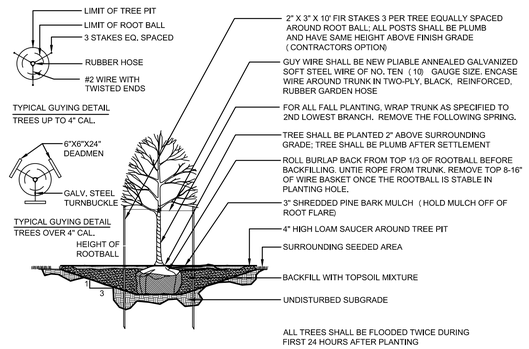
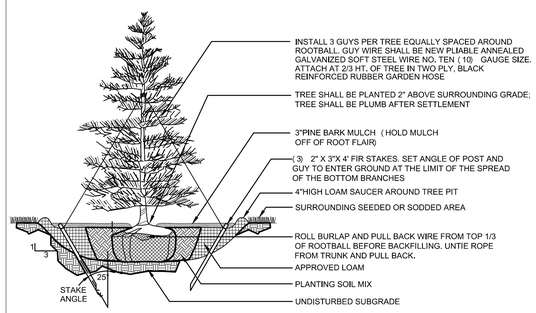
SITE DETAILS V

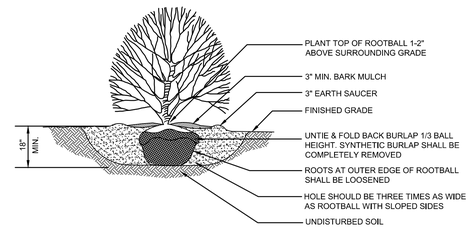
C-505



E1 TYPICAL DECIDUOUS TREE PLANTING
N.T.S.

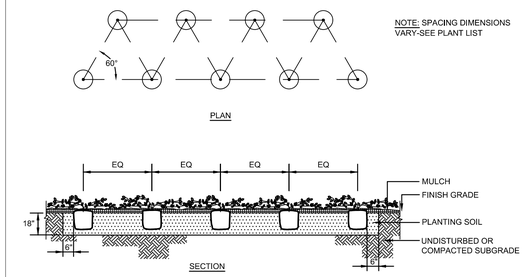


E3 TYPICAL EVERGREEN TREE PLANTING
N.T.S.



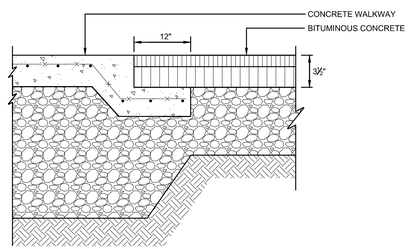
NOTE: PROVIDE 3" OF SPECIFIED MULCH IN ALL PLANT BEDS.

E5 TYPICAL SHRUB PLANTING
N.T.S.

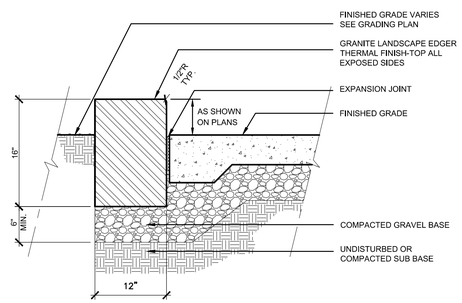


NOTE: SPACING DIMENSIONS VARY-SEE PLANT LIST

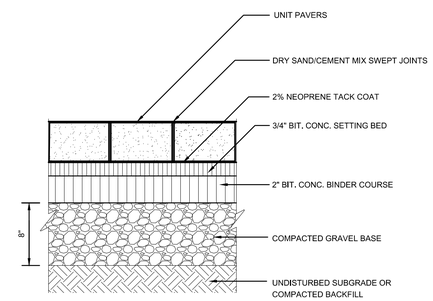
E7 TYPICAL GROUNDCOVER AND PERENNIAL PLANTING
N.T.S.



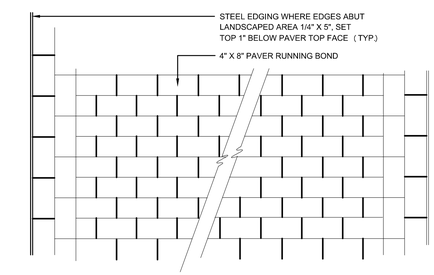
X CONCRETE WALKWAY AT BITUMINOUS CONCRETE
N.T.S.



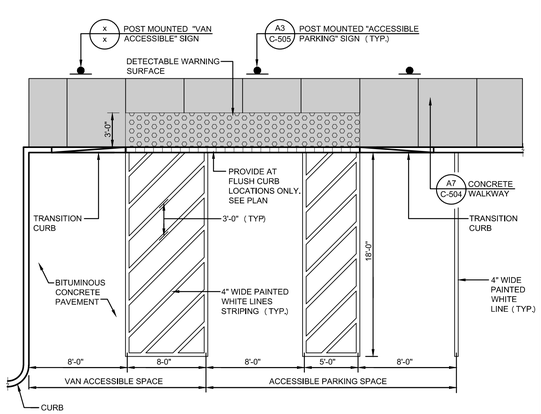
C3 GRANITE LANDSCAPE EDGER
N.T.S.



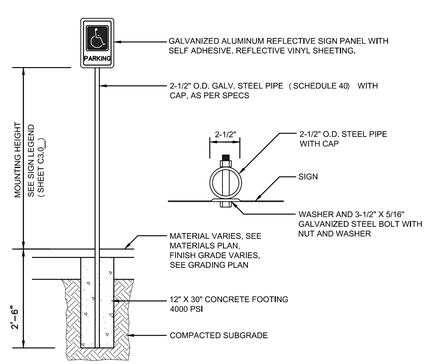
C5 UNIT PAVERS ON BITUMINOUS CONCRETE BASE
N.T.S.



C7 UNIT PAVER PATTERN DETAIL
N.T.S.



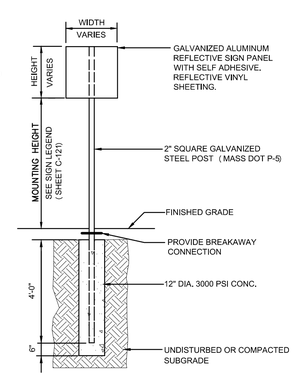
A1 ACCESSIBLE PARKING SPACES
N.T.S.



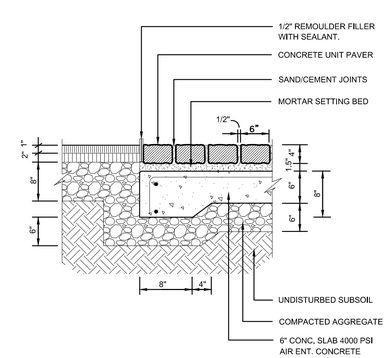
A3 ACCESSIBLE PARKING SIGN
N.T.S.

NOTES FOR TEMPORARY SIGNS:

1. 2" SQUARE GALVANIZED STEEL POST SHALL BE REPLACED WITH GALVANIZED STEEL CHANNEL.
2. POST SHALL BE SET 4'-0" INTO EXISTING GROUND WITHOUT CONCRETE BASE.



A5 TRAFFIC SIGN
N.T.S.



A7 UNIT PAVERS ON CONCRETE SLAB
N.T.S.

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	04/03/2020	PSI APPLICATION

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△ = CLOUDED CHANGE

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CHECK BY	
PROJ.ARCH./ENGR.	EFP
PROJ. MRG.	KMO
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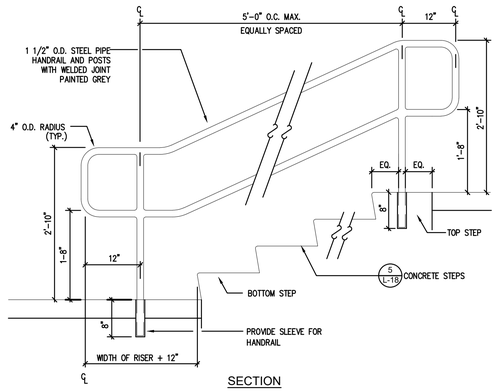
SITE DETAILS VI

C-506

NOTES:

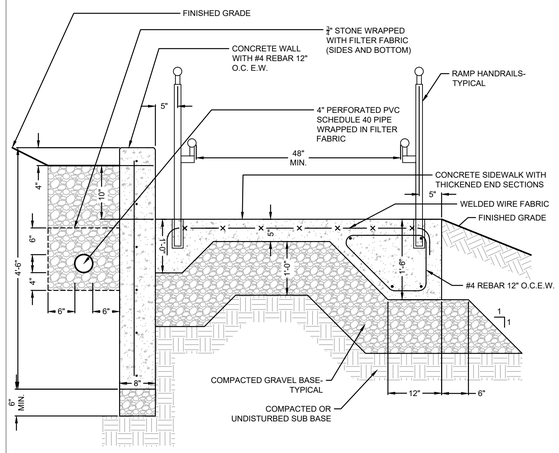
1. SEE SPECIFICATION SECTION 05 00 01 MISCELLANEOUS AND ORNAMENTAL IRON



SECTION

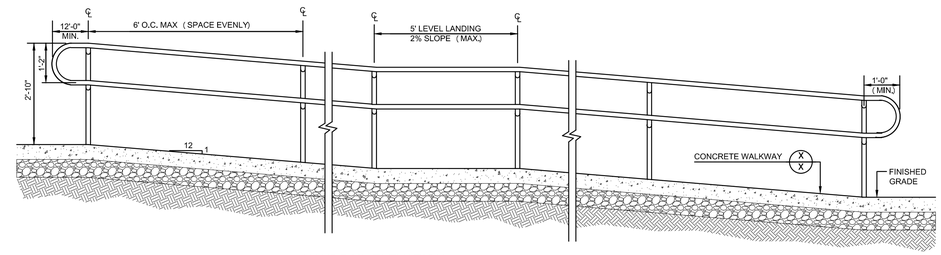
E1 TYPICAL CONCRETE STAIR DETAIL

N.T.S.



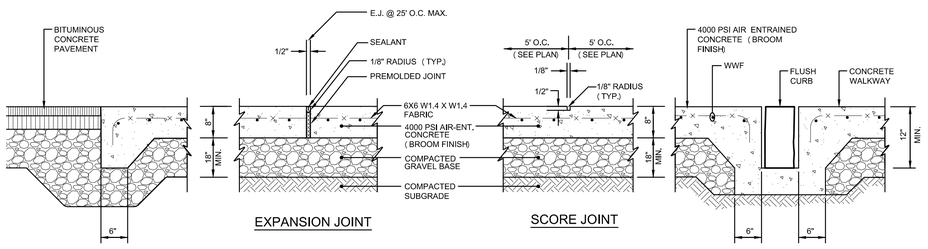
E3 CONCRETE RAMP WITH HANDRAILS

N.T.S.



HANDRAIL ELEVATION

NOTE: PROVIDE SCORE JOINT ONLY AS INDICATED ON PLAN.



EXPANSION JOINT

SCORE JOINT

EDGE CONDITION AT BITUMINOUS CONCRETE PAVEMENT

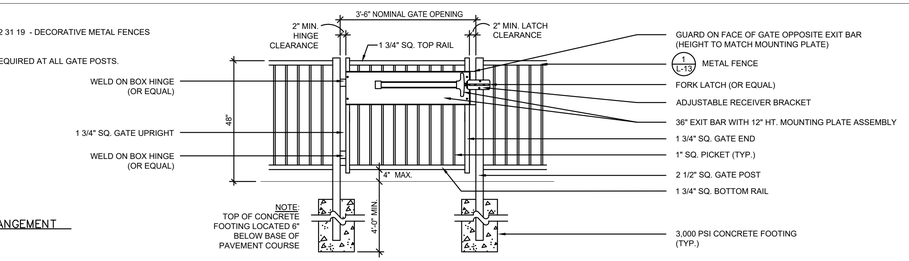
EDGE CONDITION AT FLUSH CURB

C1 THICKENED CONCRETE PAVEMENT AT LOADING AREA

N.T.S.

NOTES:

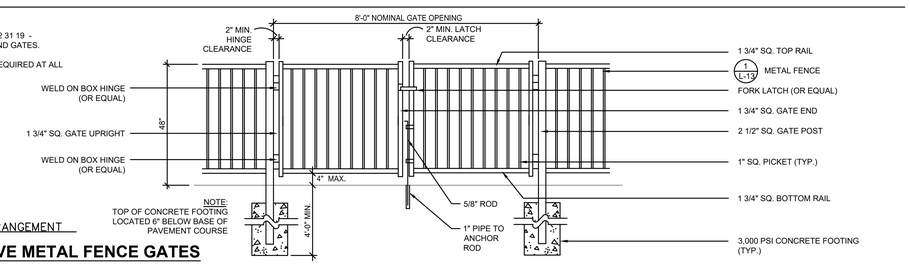
1. SEE SPECIFICATION SECTION 32 31 19 - DECORATIVE METAL FENCES AND GATES.
2. CONCRETE FOOTING-18" DIA. REQUIRED AT ALL GATE POSTS.



SINGLE GATE ARRANGEMENT

NOTES:

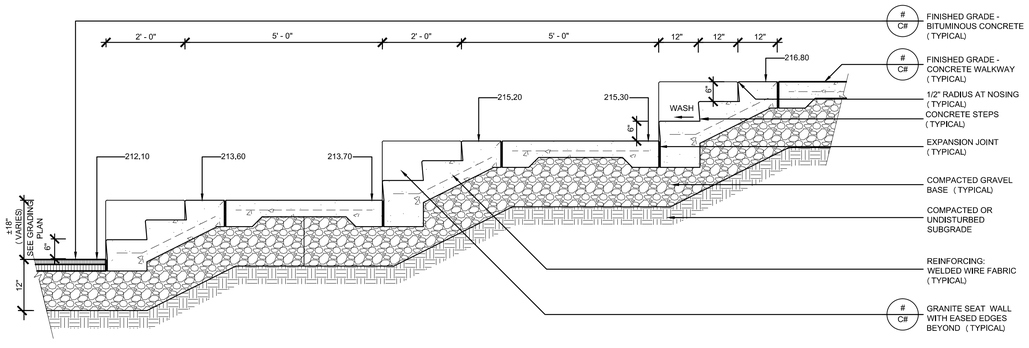
1. SEE SPECIFICATION SECTION 32 31 19 - DECORATIVE METAL FENCES AND GATES.
2. CONCRETE FOOTING-18" DIA. REQUIRED AT ALL GATE POSTS.



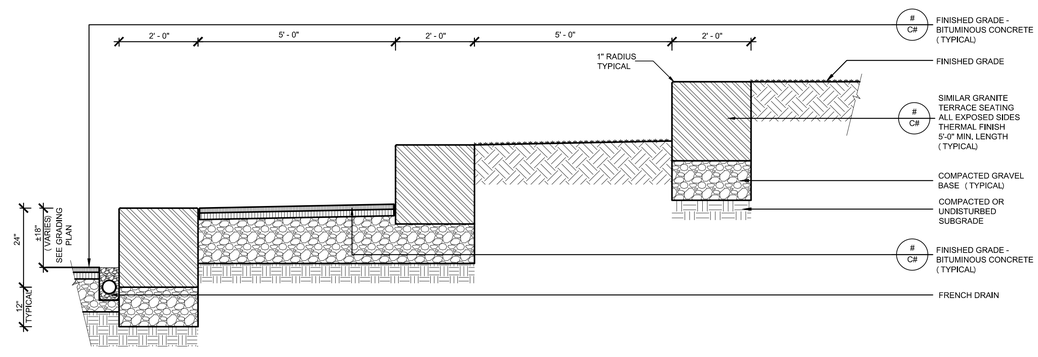
DOUBLE GATE ARRANGEMENT

C5 4' DECORATIVE METAL FENCE GATES

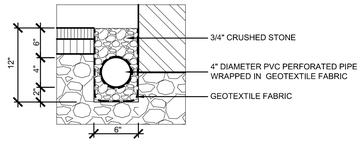
N.T.S.



SECTION THROUGH STAIR



SECTION THROUGH SEATING



FRENCH DRAIN

A1 TERRACE SEATING

N.T.S.

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PROJ. MRG.	KMO
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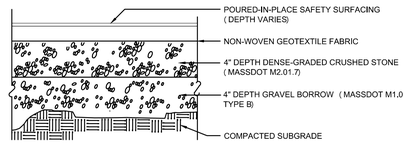
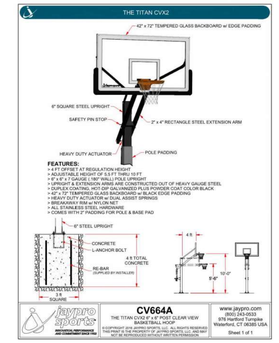
SITE DETAILS VII

C-507

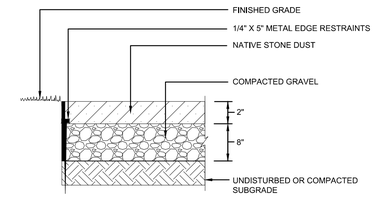


E3 PLAYGROUND PROTECTIVE SURFACING
N.T.S.



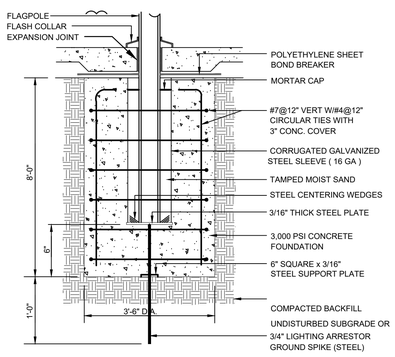
SECTION

E5 BASKETBALL BACKSTOP AND GOAL
N.T.S.

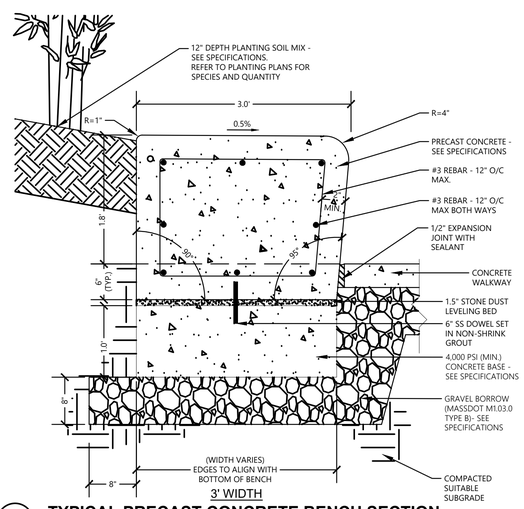


SECTION

E7 STONE DUST PATH
N.T.S.

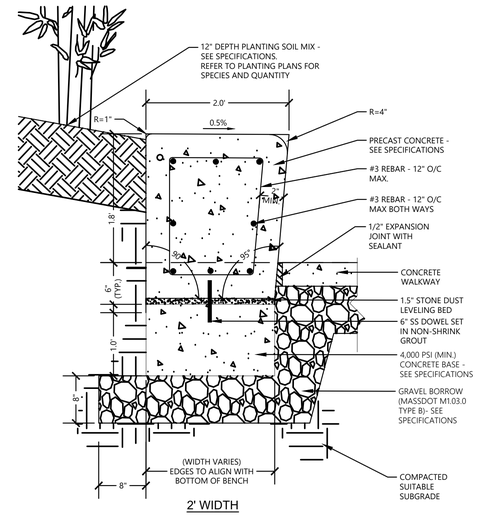


C1 FLAGPOLE FOUNDATION
N.T.S.

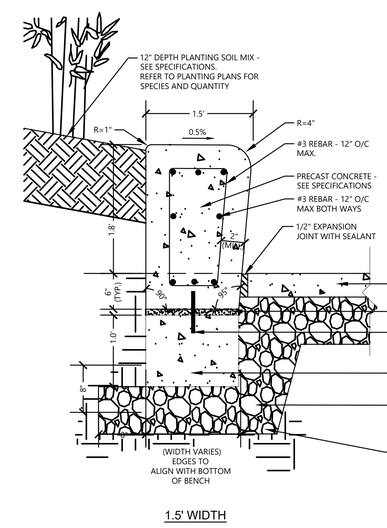


3' WIDTH

C3 TYPICAL PRECAST CONCRETE BENCH SECTION
N.T.S.



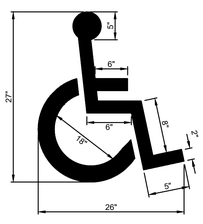
2' WIDTH



1.5' WIDTH

NOTES:

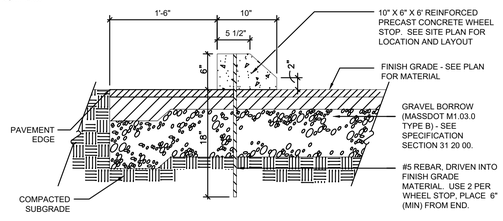
1. PRECAST CONCRETE BENCH FINISH SHALL BE LIGHT TO MEDIUM SANDBLAST FINISH AS APPROVED BY THE LANDSCAPE ARCHITECT.
2. LIFTING DEVICES, IF AND WHERE REQUIRED, SHALL BE PLACED AND CAST SO AS NOT TO WEAKEN THE UNIT DURING MANUFACTURE AND HANDLING. SUCH DEVICES SHALL NOT INTERFERE WITH THE ERECTION OR PLACING OF THE UNIT IN ITS FINAL POSITION. THESE DEVICES SHALL ALSO BE PERMANENTLY PROTECTED FROM ANY DAMAGE. UNDER NO CIRCUMSTANCES SHALL THEY BE VISIBLE IN THE COMPLETED WORK.
3. ALL REINFORCING STEEL SHALL HAVE A MINIMUM COVERAGE OF AT LEAST 2".
4. ALL PRECAST CONCRETE BENCH UNITS SHALL HAVE A COMPRESSIVE STRENGTH OF AT LEAST 5,000 PSI AT TWENTY-EIGHT (28) DAYS.
5. FURNISHING AND INSTALL ALL INSERTS, DOWELS AND ANCHORS AS REQUIRED FOR LIFTING AND/OR ATTACHMENT OF PRECAST UNITS.
6. REFER TO SPECIFICATION SECTION 03 45 00 - PRECAST STRUCTURAL CONCRETE.



NOTE:
1. SEE SPECIFICATION SECTION 32 17 23.13 - PAINTED PAVEMENT MARKINGS.
2. ACCESSIBLE PARKING PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD AND THE FEDERAL ADA RULES AND REGULATIONS.

A1 ACCESSIBLE PARKING SYMBOL
N.T.S.

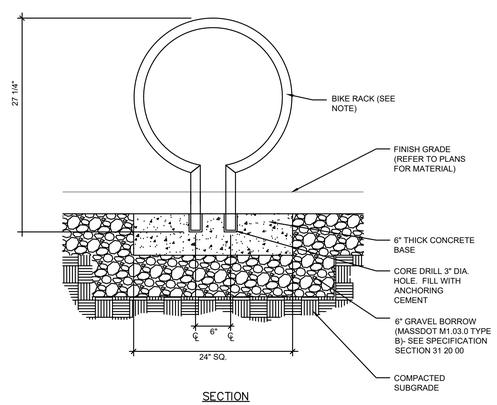
NOTE:
1. SEE SPECIFICATION SECTION 32 17 13.19 - PRECAST CONCRETE PARKING BUMPERS.



A3 PRECAST CONCRETE PARKING BUMPER
N.T.S.

NOTES:

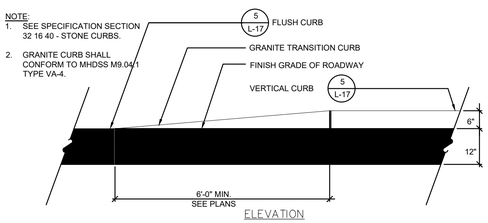
SEE SPECIFICATION SECTION 12 93 00 - SITE FURNISHINGS



SECTION

A5 RING BIKE RACK INSTALLATION
N.T.S.

NOTE:
1. SEE SPECIFICATION SECTION 32 16 40 - STONE CURBS.
2. GRANITE CURB SHALL CONFORM TO MHDSS M9.04.1 TYPE VA-4.



ELEVATION

A7 GRANITE TRANSITION CURB
N.T.S.

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HUNNEWELL ELEMENTARY SCHOOL

28 CAMERON STREET
WELLESLEY, MA 02482

MARK:	DATE:	DESCRIPTION:
	04/03/2020	PSI APPLICATION

ISSUE LOG

△ = CLOUDED CHANGE

NOT FOR CONSTRUCTION

SCALE	N.T.S.
DRAWN BY	PRR
CHECK BY	
PROJ.ARCH./ENGR.	EFP
PROJ. MRG.	KMO
JOB NO.	18080.00

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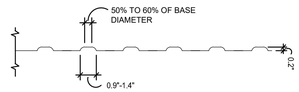
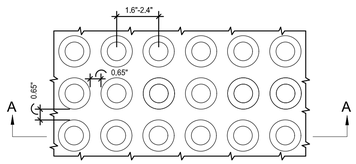
SITE DETAILS VIII

C-508

NOTE:
1. SEE SPECIFICATION SECTION 32 17 26 - TACTILE WARNING SURFACES.



SECTION AA

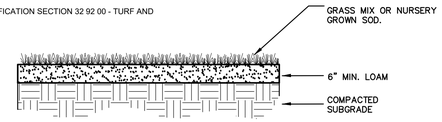


PLAN VIEW

E1 DETECTABLE WARNING PANEL FOR ACCESSIBLE RAMPS
N.T.S.

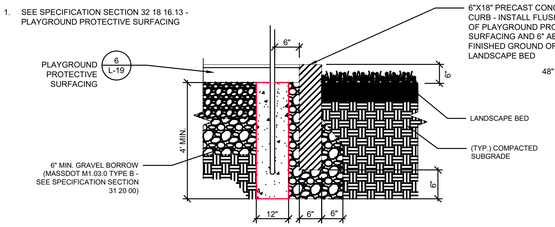
NOTES:

SEE SPECIFICATION SECTION 32 92 00 - TURF AND GRASSES

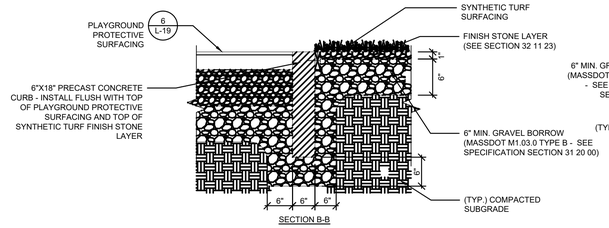


E3 LOAM & SEED/ SOD
N.T.S.

NOTE:
1. SEE SPECIFICATION SECTION 32 18 16.13 - PLAYGROUND PROTECTIVE SURFACING

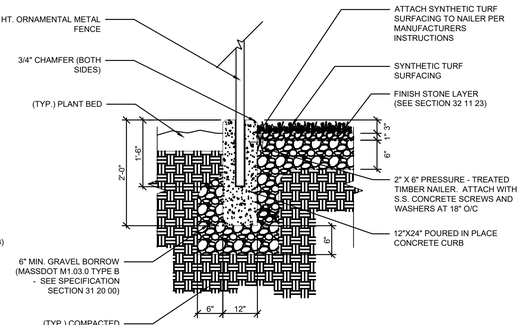


SECTION A-A



SECTION B-B

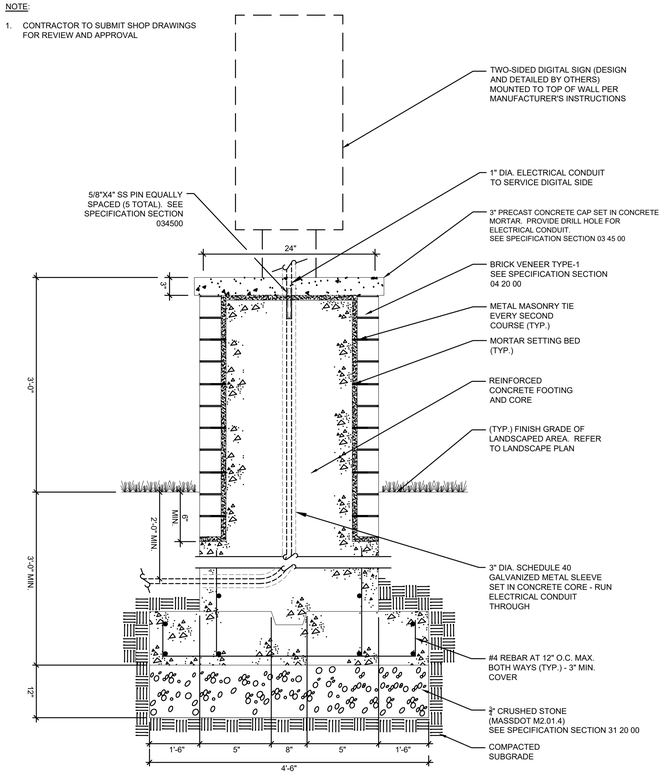
NOTE:
1. SEE SPECIFICATION SECTION 32 31 19 - DECORATIVE METAL FENCES AND GATES



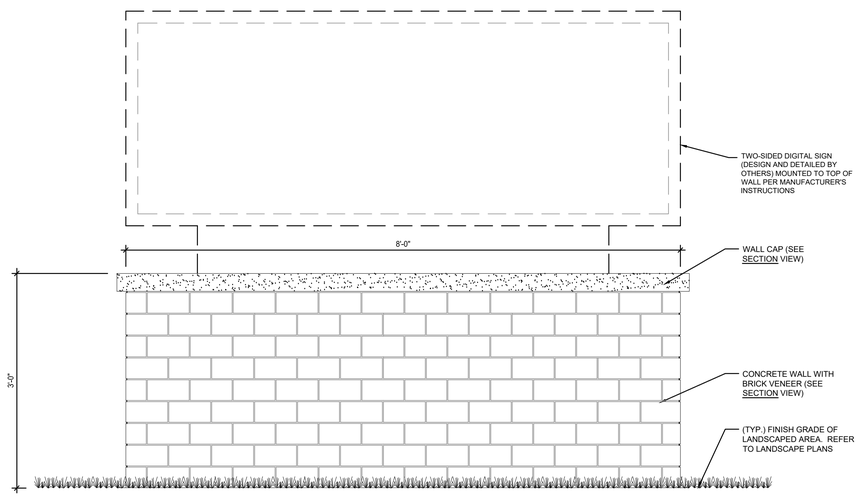
SECTION

E5 PLAYGROUND PROTECTIVE SURFACING EDGE CONDITIONS
N.T.S.

NOTE:
1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL



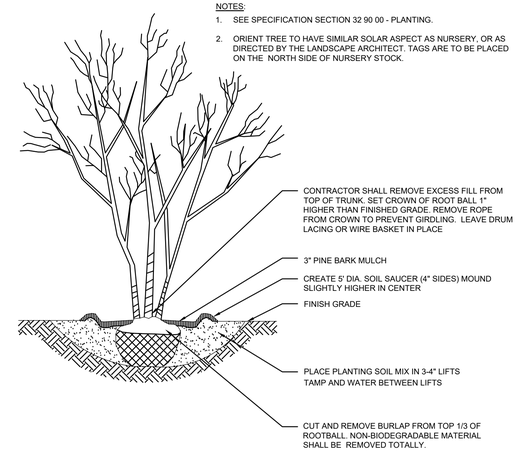
SECTION



ELEVATION

A1 REINFORCED CONCRETE WALL WITH BRICK FACE AND DIGITAL ENTRANCE SIGN
N.T.S.

NOTES:
1. SEE SPECIFICATION SECTION 32 90 00 - PLANTING.
2. ORIENT TREE TO HAVE SIMILAR SOLAR ASPECT AS NURSERY, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. TAGS ARE TO BE PLACED ON THE NORTH SIDE OF NURSERY STOCK.



C7 MULTI-STEM TREE PLANTING DETAIL
N.T.S.

SMMA

SYMMES MAINI & McKEE ASSOCIATES
1000 Massachusetts Avenue
Cambridge, Massachusetts 02138
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SITE DETAILS IX

C-509

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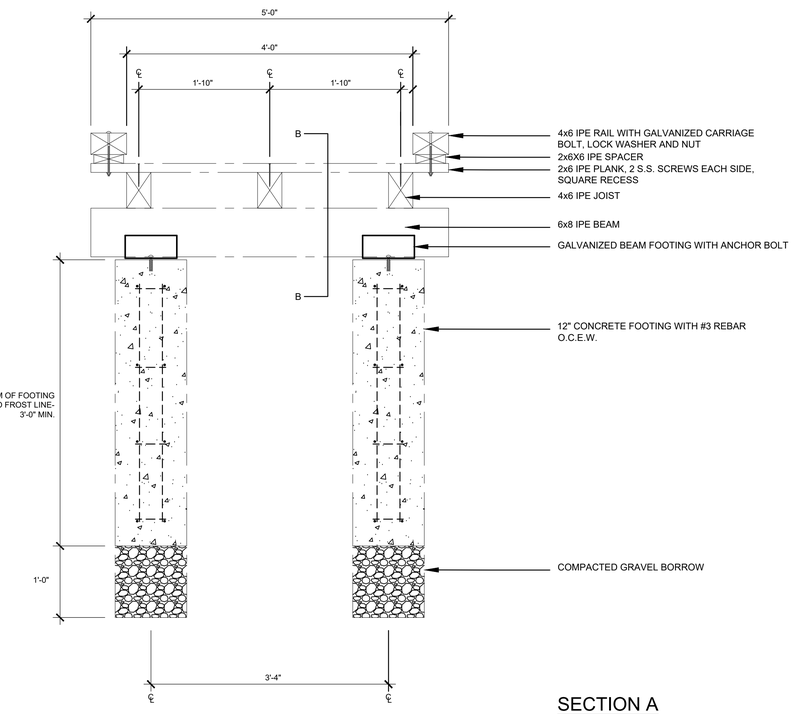
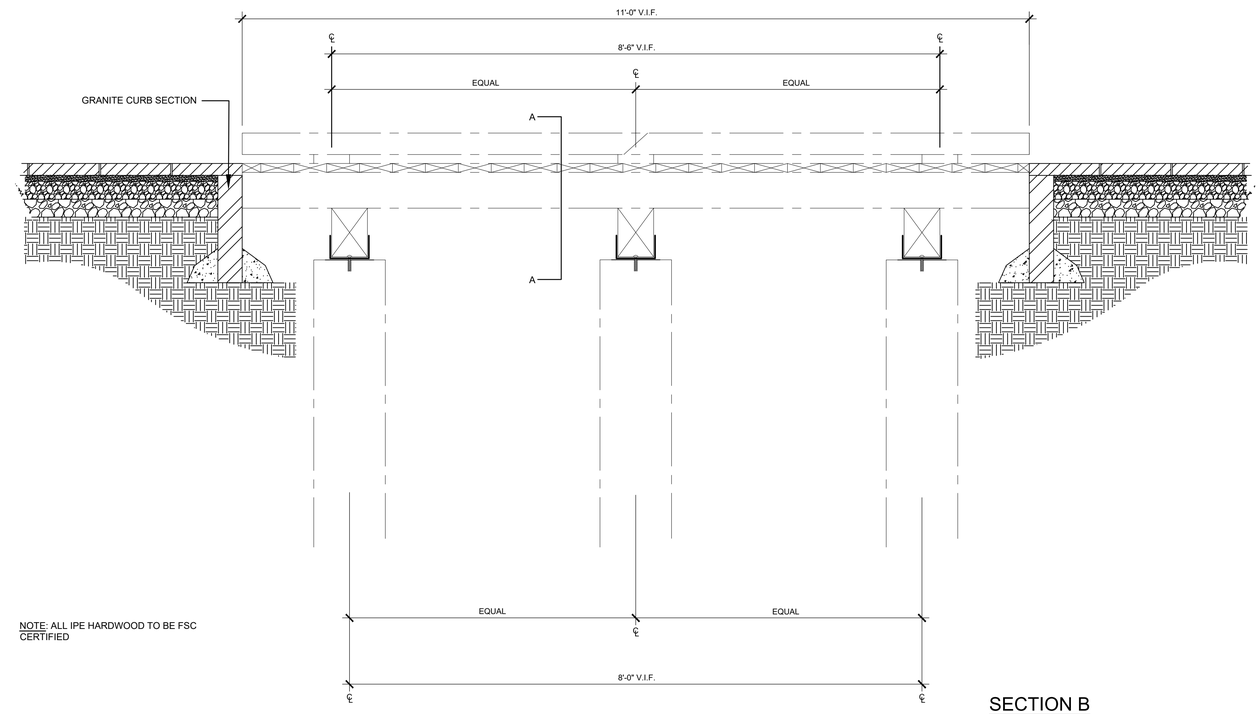


SECTION A

NOTE: ALL IPE HARDWOOD TO BE FSC CERTIFIED



SECTION B

C1 **BOARDWALK**
N.T.S.

SMMA

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SITE DETAILS X

C-510

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