

PERMIT SET: MARCH 17, 2021

HUCKLEBERRY HILL ELEMENTARY SCHOOL

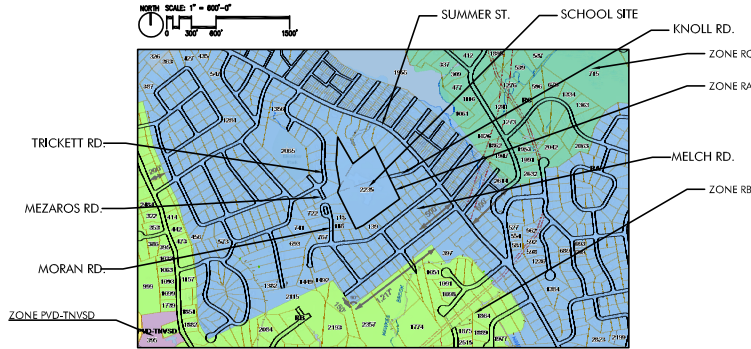
5 KNOLL ROAD, LYNNFIELD MA 01940

ZONING DISTRICT RA:

	REQUIRED	PROVIDED/ PROPOSED
LOT AREA	15,000 SQ.FT.	495,027 SQ.FT.
LOT FRONTAGE	110 FT. (MIN.)	97 FT.
PERMITTED LOT COVERAGE	35% (MAX.)	15.4%
SETBACK DISTANCE FROM STREET CENTER LINE	50 FT.	N/A
FRONT YARD DEPTH	30 FT.	132 FT. 11 IN.
SIDE YARD WIDTH	15 FT.	93 FT.
REAR YARD DEPTH	20 FT.	100 FT. 5 IN.

FOR PARKING TABLE, SEE SHEET L200

LOCUS MAP WITH ZONING DISTRICTS:



TAPPÉ ARCHITECTS, INC.

ARCHITECTURE PLANNING

SIX EDGERLY PLACE
BOSTON MA 02116
PHONE: 617.451.0200
FAX: 617.451.3899

CLIENT
TOWN OF LYNNFIELD
55 SUMMER STREET
LYNNFIELD, MA 01940

STRUCTURAL
ENGINEERS DESIGN GROUP
350 MAIN STREET
MALDEN, MA 02148
PHONE: (781) 396-9007

MEP / FP
GRIFFITH & VARY, INC.
12 KENDRICK ROAD, #1
WAREHAM, MA 02571
PHONE: (508) 295-0050
FAX: (508) 295-0003

LANDSCAPE
WARNER LARSON
130 WEST BROADWAY
BOSTON, MA 02127
PHONE: (617) 464-1440

CIVIL
NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
PHONE: (857) 206-8714

SURVEYOR- BOUNDARY & TOPOGRAPHY
HAYES ENGINEERING, INC.
603 SALEM STREET
WAKEFIELD, MA 01880
PHONE: (781) 246-2800
FAX: (781) 246-7596

SPECIFICATIONS
KALIN ASSOCIATES
1121 WASHINGTON STREET
NEWTON, MA 02465
PHONE: (617) 964-5477

HARDWARE
ROBBIE MCCABE CONSULTING
27 MAIN STREET, PO BOX 530
MAYNARD, MA 01754
PHONE: (978) 532-8261

COST ESTIMATOR
PM&C
20 DOWNER AVE, SUITE #5
HINGHAM, MA 02043
PHONE: (617) 740-8007

TECHNOLOGY
EDVANCE TECHNOLOGY DESIGN
300 BRICKSTONE SQUARE, SUITE 201
ANDOVER, MA 02810
PHONE: (978) 256-9900
FAX: (978) 560-1771

LIST OF DRAWINGS

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15 WEST BROADWAY BOSTON MA 02116
www.warnerlarson.com

**HUCKLEBERRY HILL
ELEMENTARY SCHOOL**
5 KNOLL RD. LYNNFIELD, MA 01940

Project:	A1907.00
Date:	03/17/2021
Scale:	N/A
Drawn By:	MB
Checked By:	TJ
Scale:	1/8" = 1'-0"

TITLE SHEET
G001

Topographic Plan in LYNNFIELD, MASS.

Hayes Engineering, Inc.
Civil Engineers & Land Surveyors
603 Salem Street
Wakefield, MA 01880

Telephone: 781.246.2800
Facsimile: 781.246.7596
www.hayeseng.com

Scale: 1" = 40'

March 3, 2021
March 11, 2021



LEGEND

- SMH SEWER MANHOLE
- DMH DRAIN MANHOLE
- CB CATCH BASIN
- MH MANHOLE
- TMH TELEPHONE MANHOLE
- WG WATER GATE
- GC GAS GATE
- R= RIM ELEVATION
- I= INVERT ELEVATION
- C.I. CAST IRON PIPE
- RCP REINFORCED CONCRETE PIPE
- CMP CORRUGATED METAL PIPE
- VOC VERTICAL GRANITE CURB
- ROUND CATCH BASIN
- BIT. CONC BURN
- BOLLARDS
- LA LANDSCAPE AREA
- DA DETECTABLE WARNING PAD
- NA INACCESSIBLE
- CLF CHAIN LINK FENCE
- EP EDGE OF PAVEMENT
- FM SEWER FORCE MAIN
- BORING LOCATION (EXISTING OR PROPOSED)
- PINE
- M=MAPLE
- O=OAK
- X 160.00 HYDRANT
- EXISTING SPOT ELEVATION
- 116 EXISTING CONTOUR
- TREE LINE/DROP EDGE
- G APPROX. GAS LINE LOCATION
- W APPROX. WATER MAIN LOCATION
- D APPROX. WATER MAIN LOCATION
- E UNDERGROUND ELECTRIC
- OVERHEAD POWER

NOTE: PLAN REFERENCE PLAN OF LAND IN LYNNFIELD TO BE CONVEYED TO THE INHABITANTS OF THE TOWN OF LYNNFIELD FOR ELEMENTARY SCHOOL PURPOSES DATED MAY 1956 BY H. KINGMAN ARBOTT AND FILED WITH THE ESSEX REGISTRY OF DEEDS, SOUTH DISTRICT, BOOK 4354 PAGE 330.

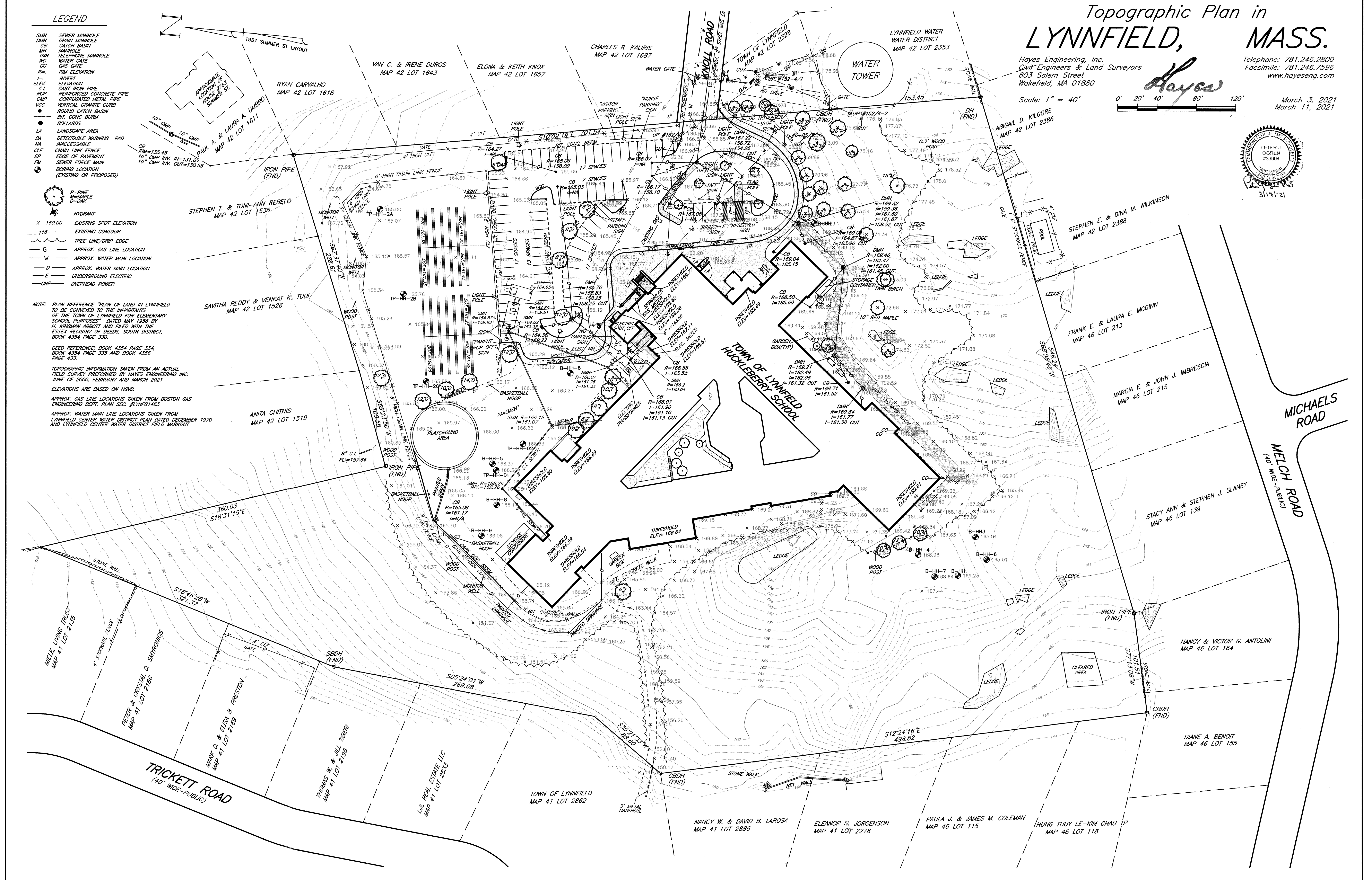
DEED REFERENCE: BOOK 4354 PAGE 334, BOOK 4354 PAGE 335 AND BOOK 4356 PAGE 433.

TOPOGRAPHIC INFORMATION TAKEN FROM AN ACTUAL FIELD SURVEY PERFORMED BY HAYES ENGINEERING INC. JUNE OF 2000, FEBRUARY AND MARCH 2021.

ELEVATIONS ARE BASED ON NGVD.

APPROX. GAS LINE LOCATIONS TAKEN FROM BOSTON GAS ENGINEERING DEPT. PLAN SEC. #LYNF01463

APPROX. WATER MAIN LINE LOCATIONS TAKEN FROM LYNNFIELD CENTER WATER DISTRICT PLAN DATED DECEMBER 1970 AND LYNNFIELD CENTER WATER DISTRICT FIELD MARKOUT



EROSION AND SEDIMENT CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS" PREPARED BY DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF RESOURCE PROTECTION, AND THE CURRENT NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
- MEANS OF EROSION AND SEDIMENT PROTECTION AS NOTED ON THE DRAWINGS INDICATE MINIMUM RECOMMENDED PROVISIONS. THE CONTRACTOR IS RESPONSIBLE FOR FINAL SELECTION AND PLACEMENT OF EROSION AND SEDIMENTATION CONTROLS BASED ON ACTUAL SITE CONDITIONS AND CONSTRUCTION CONDITIONS. ADDITIONAL MEANS OF PROTECTION SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED FOR CONTINUED OR UNFORESEEN EROSION PROBLEMS, OR AS DIRECTED BY CONTROLLING MUNICIPAL AUTHORITIES, AT NO ADDITIONAL EXPENSE TO THE OWNER.
- AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS INDICATED IN THE PLAN PRIOR TO COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS.
- SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF AND DURING ALL PHASES OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO AND IMMEDIATELY AFTER ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
- AFTER ANY SIGNIFICANT RAINFALL (GREATER THAN 0.25 INCHES OF RAINFALL WITHIN 24 HOURS), SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED FOR INTEGRITY. ANY DAMAGE SHALL BE CORRECTED IMMEDIATELY.
- PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES SHALL BE PROVIDED TO ENSURE THAT THE INTENDED PURPOSE IS ACCOMPLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEDIMENT LEAVING THE LIMIT OF WORK. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING SEDIMENT FROM ENTERING ANY STORM DRAINAGE SYSTEM AND FROM BEING CONVEYED TO ANY WETLAND RESOURCE AREA, PUBLIC WAYS, ADJUTING PROPERTY, OR OUTSIDE OF THE PROJECT LIMITS.
- THE CONTRACTOR SHALL PROTECT ALL DRAINAGE SWALES AND GROUND SURFACES WITHIN THE LIMIT OF WORK FROM EROSION CONDITIONS. STRAW BALE, CRUSHED STONE OR EQUIVALENT CHECK DAMS ARE TO BE PROVIDED AT A MAXIMUM OF TWO HUNDRED (200) FOOT SPACING, OR LESS AS SITE-SPECIFIC CONDITIONS WARRANT, WITHIN ALL DRAINAGE SWALES AND DITCHES AND AT UPSTREAM SIDES OF ALL DRAINAGE INLETS.
- ALL STOCK PILES SHALL BE PROTECTED & WITHIN THE LIMIT OF WORK.
- ANY SEDIMENT TRACKED ONTO PAVED AREAS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY.
- ALL SEDIMENT RETAINED BY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE LEGALLY DISPOSED OF OFFSITE.
- TEMPORARY DIVERSION DITCHES, PERMANENT DITCHES, CHANNELS, EMBANKMENTS, AND ANY DENUDED SURFACE THAT WILL BE EXPOSED FOR A PERIOD OF 14 CALENDAR DAYS OR MORE SHALL BE CONSIDERED CRITICAL VEGETATION AREAS. THESE AREAS SHALL BE STABILIZED/PROTECTED WITH APPROPRIATE EROSION CONTROL MATTING OR OTHER EROSION CONTROL METHODS.
- DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS DIRECTED BY THE PERMITTING AUTHORITY OR OWNER.
- THE CONTRACTOR SHALL USE TEMPORARY SEEDING, MULCHING, OR OTHER APPROVED STABILIZATION MEASURES TO PROTECT EXPOSED AREAS DURING PROLONGED CONSTRUCTION OR OTHER LAND DISTURBANCE. STOCKPILES THAT WILL BE EXPOSED FOR LONGER THAN 14 DAYS SHALL BE STABILIZED.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL EROSION AND SEDIMENT CONTROLS AT THE COMPLETION OF SITE CONSTRUCTION, BUT ONLY WHEN DIRECTED BY THE TOWN OF SAUGUS. STABILIZE OR SEED BARE AREAS LEFT AFTER EROSION CONTROL REMOVAL.
- THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING EROSION CONTROL AS NECESSARY FOR PROJECT PHASES.

UTILITY DEMOLITION NOTES:

- SITE PREPARATION AND DEMOLITION SHALL INCLUDE THOSE AREAS WITHIN THE LIMIT OF WORK LINE AS SHOWN ON THE CONTRACT DOCUMENTS.
- ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING DEMOLITION.
- THE CONTRACTOR SHALL COORDINATE SITE DEMOLITION EFFORTS WITH ALL TRADES THAT MAY BE AFFECTED BY THE WORK.
- ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS REQUIRED TO FACILITATE CONSTRUCTION, AND LEGALLY DISPOSED OF OFFSITE BY CONTRACTOR.
- UTILITY PIPES DESIGNATED TO BE ABANDONED IN PLACE SHALL BE PLUGGED AT THEIR ENDS WITH WATERTIGHT BRICK MASONRY OR CEMENT MORTAR WITH A MINIMUM THICKNESS OF 8 INCHES.
- UTILITY PIPES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF THE ENTIRE LENGTH OF PIPE AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN THE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
- UTILITY STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE SHALL HAVE THEIR CAST IRON CASTINGS REMOVED AND DISPOSED, INLET AND OUTLET PIPES PLUGGED, THE BOTTOM OF THE STRUCTURES SHALL BE BROKEN, THE VOID OF THE STRUCTURES SHALL BE BACKFILLED AND COMPACTED TO 95% WITH ORDINARY BORROW OR FLOWABLE FILL, AND THE TOP OF THE STRUCTURE SHALL BE REMOVED SO THAT IT IS AT LEAST 36 INCHES BELOW FINISH GRADE.
- UTILITY STRUCTURES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF CAST IRON CASTINGS, PLUGGING OF INLET AND OUTLET PIPES, REMOVAL OF THE STRUCTURE, AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN THE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
- ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFFSITE.

COST ESTIMATING NOTES:

- ALL WATER LINES ARE DUCTILE IRON UNLESS OTHERWISE NOTED. ASSUME ALL WATER LINES INSTALLED WITH 5' OF COVER.
- ASSUME ALL DRAINAGE LINES ARE 12" ROP UNLESS OTHERWISE NOTED. ASSUME ALL DRAIN LINES INSTALLED WITH 6' OF COVER.
- ASSUME ALL ROOF DRAINAGE LINES ARE 6" CORRUGATED PLASTIC PIPE UNLESS OTHERWISE NOTED. ASSUME ALL DRAIN LINES INSTALLED WITH 4' OF COVER.
- ASSUME THAT ALL SEWER LINES ARE 8" PVC. ASSUME ALL SEWER LINES INSTALLED WITH 6' OF COVER.
- ASSUME ALL STRUCTURES ARE 4' INSIDE DIAMETER, EXCEPT FOR DOUBLE CATCH BASINS AND STRUCTURES THAT ARE DIRECTLY CONNECTED TO UNDERGROUND RECHARGE/DETENTION SYSTEMS. ASSUME THOSE STRUCTURES ARE 6' INSIDE DIAMETER AND STRUCTURES LABELED OTHERWISE.
- SEE MEP PLANS FOR SIZING OF ELECTRIC, CABLE, TELEPHONE AND LIGHTING.

GENERAL NOTES:

- TOPOGRAPHIC DATA, PROPERTY LINE INFORMATION, AND EXISTING SITE FEATURES WERE OBTAINED FROM A PLAN ENTITLED "TOPOGRAPHIC PLAN IN LYNNFIELD, MASS", PREPARED BY HAYES ENGINEERING, INC., DATED MARCH 3, 2021.
- FLOODPLAIN INFORMATION WAS OBTAINED FROM THE FLOOD INSURANCE RATE MAP (FIRM) NO. 2500900394F. THE SITE IS IN ZONE X.
- THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82, SECTION 40, AS AMENDED, WHICH STATES THAT NO ONE MAY EXCAVATE IN THE COMMONWEALTH OF MASSACHUSETTS EXCEPT IN AN EMERGENCY WITHOUT 72 HOURS NOTICE, EXCLUSIVE OF SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, TO NATURAL GAS PIPELINE COMPANIES, AND MUNICIPAL UTILITY DEPARTMENTS THAT SUPPLY GAS, ELECTRICITY, TELEPHONE, OR CABLE TELEVISION SERVICE IN OR TO THE CITY OR TOWN WHERE THE EXCAVATION IS TO BE MADE. THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-DIG-SAFE.
- THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82A, ALSO REFERRED TO AS JACKIE'S LAW, AS DETAILED IN SECTION 520 CMR 14.00 OF THE CODE OF MASSACHUSETTS REGULATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS AND SAFETY CODES IN THE CONSTRUCTION OF ALL IMPROVEMENTS.
- THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRESENCE AND LOCATIONS OF ALL UTILITIES WITHIN THE LIMIT OF WORK MUST BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND CONTACTING THE CONTROLLING AUTHORITIES AND/OR UTILITY COMPANIES RELATIVE TO THE LOCATIONS AND ELEVATIONS OF THEIR LINES. THE CONTRACTOR SHALL KEEP A RECORD OF ANY DISCREPANCIES OR CHANGES IN THE LOCATIONS OF ANY UTILITIES SHOWN OR ENCOUNTERED DURING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND NITSCHE ENGINEERING. ANY DAMAGE RESULTING FROM THE FAILURE OF THE CONTRACTOR TO MAKE THESE DETERMINATIONS AND CONTACTS SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL, THROUGHOUT CONSTRUCTION, TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, GRADING, SIDEWALKS AND SITE DETAILS OUTSIDE OF THE LIMIT OF WORK AS DEFINED ON THE DRAWINGS AND SHALL REPAIR AND REPLACE OR OTHERWISE MAKE GOOD AS DIRECTED BY THE ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE ANY SUCH OTHER DAMAGE SO CAUSED.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND CONSTRUCTION DOCUMENTS TO DEVELOP A THOROUGH UNDERSTANDING OF THE PROJECT, INCLUDING ANY SPECIAL CONDITIONS AND CONSTRAINTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PROJECT SITE AND TO VERIFY ALL CONDITIONS IN THE FIELD AND REPORT DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE OWNER OR OWNER'S REPRESENTATION IMMEDIATELY.
- THE CONTRACTOR SHALL CONDUCT ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ESTABLISHMENT AND USE OF ALL VERTICAL AND HORIZONTAL CONSTRUCTION CONTROLS.

UTILITY NOTES:

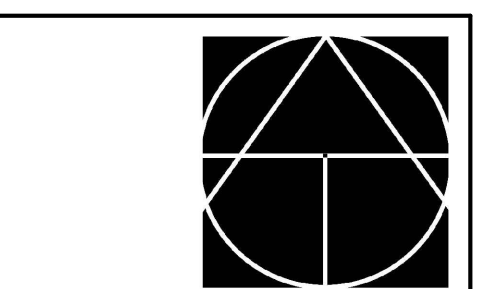
- ALL UTILITY CONNECTIONS ARE SUBJECT TO THE APPROVAL OF, AND GRANTING OF PERMITS BY, THE LOCAL MUNICIPALITY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS AND APPROVALS RELATED TO UTILITY WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ALL PERMISSIONS FOR AND FOR CONDUCTING ALL PREPARATIONS RELATED TO, WORK AFFECTING ANY UTILITIES WITHIN THE JURISDICTION OF ANY NON-MUNICIPAL UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO ELECTRIC, TELEPHONE, AND/OR GAS. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE AGENCIES, DEPARTMENTS, AND UTILITY COMPANIES, IN WRITING, AT LEAST 7 DAYS (OR PER UTILITY COMPANY REQUIREMENT) AND NOT MORE THAN 30 DAYS PRIOR TO ANY CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN UTILITIES SERVICING BUILDINGS AND FACILITIES WITHIN OR OUTSIDE THE PROJECT LIMIT UNLESS THE INTERRUPTION OF SERVICE IS COORDINATED WITH THE OWNER.
- ALL WATER, SEWER, AND DRAIN WORK SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS AND STANDARD SPECIFICATIONS OF THE LOCAL MUNICIPALITY.
- GAS, TELECOMMUNICATIONS AND ELECTRIC SERVICES ARE TO BE DESIGNED BY EACH UTILITY COMPANY IN COORDINATION WITH THE MECHANICAL, ELECTRIC, AND PLUMBING CONSULTANTS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES OF NEW UTILITIES WITH GAS, TELECOMMUNICATION AND ELECTRICAL SERVICES.
- INSTALL WATER LINES WITH A MINIMUM OF FIVE FEET OF COVER AND A MAXIMUM OF SEVEN FEET COVER FROM THE FINAL DESIGN GRADES.
- MAINTAIN 10 FEET HORIZONTAL SEPARATION AND 18 INCHES VERTICAL SEPARATION (WATER OVER SEWER) BETWEEN SEWER AND WATER LINES. WHEREVER THERE IS LESS THAN 10 FEET OF HORIZONTAL SEPARATION AND 18 INCHES OF VERTICAL SEPARATION BETWEEN A PROPOSED OR EXISTING SEWER LINE TO REMAIN AND A PROPOSED OR EXISTING WATER LINE TO REMAIN BOTH WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE FOR A DISTANCE OF 10- FEET ON EITHER SIDE OF THE CROSSING. ONE (1) FULL LENGTH OF WATER PIPE SHALL BE CENTERED OVER THE SEWER AT THE CROSSING.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES EXCEPT THOSE NOTED TO BE ABANDONED AND/OR REMOVED & DISPOSED.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR TRENCHING, BACKFILLING, AND SURFACE RESTORATION FOR GAS UTILITY SYSTEMS.
- ALL ONSITE UTILITIES SHALL BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.
- ALL EXISTING AND PROPOSED MANHOLE FRAMES, COVERS, VALVES, CLEANOUTS, CASTINGS, ETC. SHALL BE RAISED TO FINISHED GRADE PRIOR TO FINAL GRADING AND PAVING CONSTRUCTION.
- ALL GRATES IN WALKWAYS SHALL BE ADA COMPLIANT.

PROPOSED LEGEND

- — — — — LIMIT OF WORK
- // — — — — — EXISTING UTILITY TO BE ABANDONED, REMOVED AND DISPOSED IF IN CONFLICT WITH NEW SITE IMPROVEMENTS, OR AS INDICATED ON DRAWINGS
- ○ — ○ — EROSION CONTROL BARRIER
- x — x — CONSTRUCTION FENCE
- W — — — — — DOMESTIC WATER PIPE
- FP — — — — — FIRE PROTECTION PIPE
- S — — — — — SANITARY SEWER PIPE
- D — — — — — STORM DRAIN PIPE
- G — — — — — GAS PIPE
- E — — — — — ELECTRIC DUCTBANK
- T/C — — — — — TELECOM DUCTBANK
- CW — — — — — CHILLED WATER PIPE
- STM — — — — — STEAM PIPE
- CR — — — — — CONDENSATE RETURN PIPE
- HW — — — — — HOT WATER PIPE/RETURN
- — — — — HEATING HOT WATER
- RW — — — — — REUSE WATER PIPE
- GW — — — — — GREY WATER PIPE
- x — — — — — FUTURE UTILITY, SHOWN FOR INFORMATION ONLY
- — — — — — INLET PROTECTION
- — — — — ELEVATION CONTOURS
- — — — — MATCH LINE
- — — — — CENTERLINE
- — — — — — CLEANOUT
- — — — — — AREA DRAIN
- — — — — — ACCESS BASIN
- — — — — — DRAIN MANHOLE
- — — — — — WATER QUALITY STRUCTURE
- — — — — — CATCH BASIN
- — — — — — DOUBLE CATCH BASIN
- — — — — — WATER QUALITY INLET
- — — — — — SEWER MANHOLE
- — — — — — STEAM MANHOLE
- — — — — — TELECOM MANHOLE
- — — — — — ELECTRIC MANHOLE
- ◀ — — — — — CHILLED WATER VALVE
- ▶ — — — — — WATER VALVE
- — — — — — FIRE HYDRANT

ABBREVIATIONS

- AB ACCESS BASIN
- AD AREA DRAIN
- BC BOTTOM OF CURB ELEVATION
- BW BOTTOM OF WALL ELEVATION
- CB CATCH BASIN
- CCB CAPE COD BERM
- CI CAST IRON
- CJ CONTROL JOINT
- CL CENTER LINE
- CO CLEANOUT
- COP CENTER OF PIPE
- CP CARRIER PIPE
- CPP CORRUGATED POLYETHYLENE PIPE
- DCB DOUBLE CATCH BASIN
- DI DUCTILE IRON PIPE CEMENT LINED
- DMH DRAIN MANHOLE
- EHH ELECTRIC HANDHOLE
- EJ EXPANSION JOINT
- EMH ELECTRIC MANHOLE
- FD FOUNDATION DRAIN
- FFE FINISHED FLOOR ELEVATION
- HP HIGH POINT
- HYD FIRE HYDRANT
- INV INVERT ELEVATION
- LF LINEAR FEET
- LOW LIMIT OF WORK
- LP LOW POINT
- LW LAB WASTE
- M&P MAINTAIN AND PROTECT
- NIC NOT IN CONTRACT
- OC ON CENTER
- OCS OUTLET CONTROL STRUCTURE
- PD PERMETER DRAIN
- PERF PERFORATED
- PVC POLYVINYL CHLORIDE PIPE
- R&D REMOVE AND DISPOSE
- R&S REMOVE AND STOCKPILE
- RD ROOF DRAIN
- RIM RIM ELEVATION
- SMH SEWER MANHOLE
- SS SEWER SERVICE
- TC TOP OF CURB ELEVATION
- TW TOP OF WALL ELEVATION
- THH TELECOM HANDHOLE
- TMH TELECOM MANHOLE
- TOP TOP OF PIPE
- TOD TOP OF DUCT BANK
- TYP TYPICAL
- UD UNDERDRAIN
- USD UNDERSLAB DRAIN
- VCC VERTICAL GRANITE CURB
- WQI WATER QUALITY INLET
- WQS WATER QUALITY STRUCTURE
- WV WATER VALVE

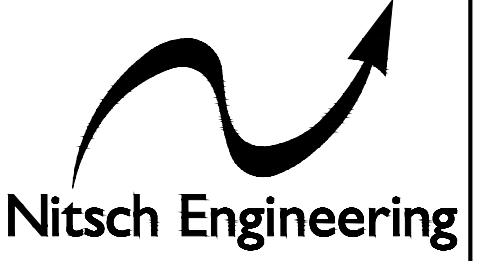


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PLANNING
DESIGN

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BOSTON, MA
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FOR PERMITTING ONLY

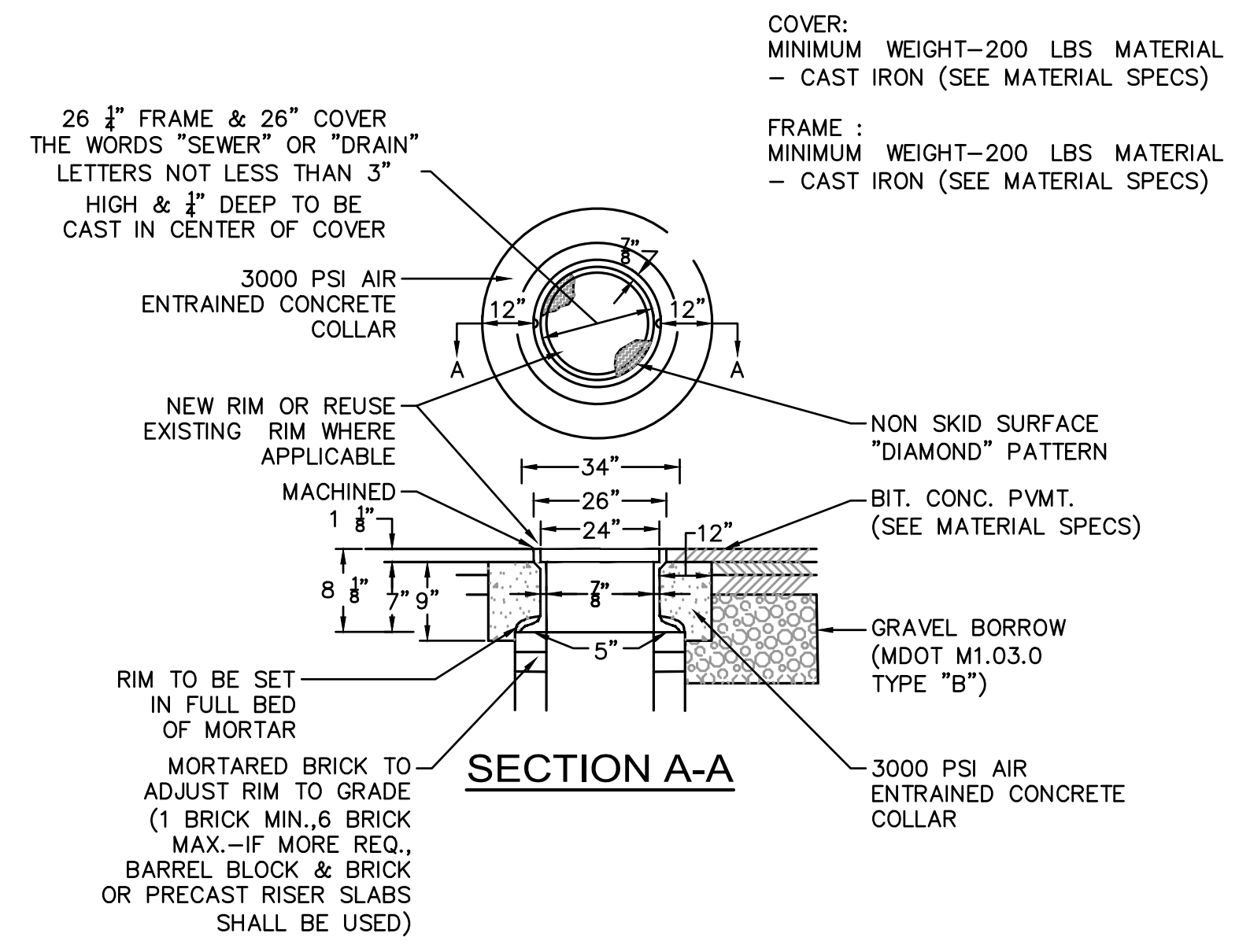
**HUCKLEBERRY HILL
ELEMENTARY SCHOOL**
5 KNOLL RD LYNNFIELD, MA 01940

Drawing Issue Record:									
03/17/2021	PERMIT SET								

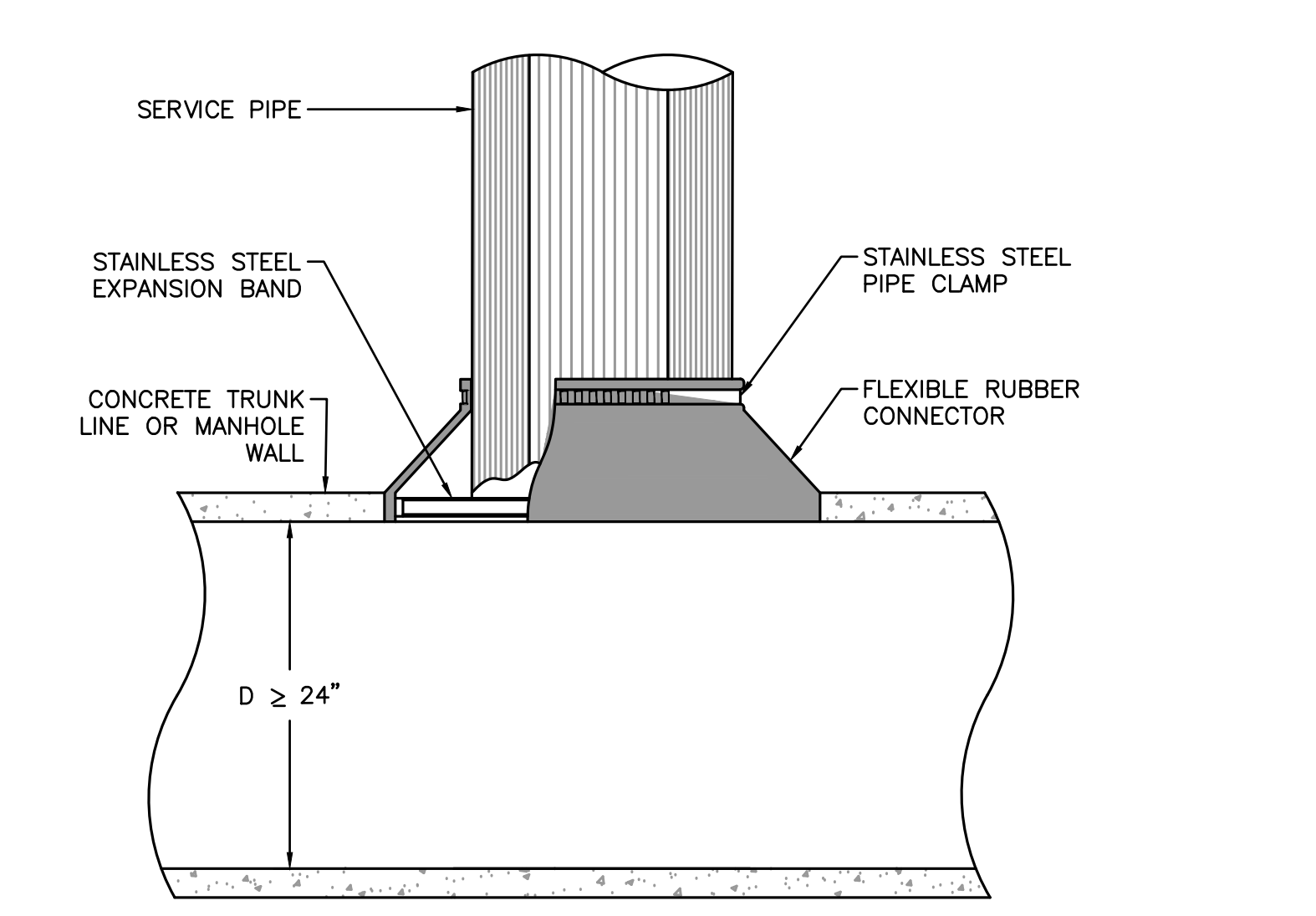
Project: A1907.00
Date: 03/17/2021
Scale: NTS
Drawn By: SEK
Checked By: MLC

SITE EROSION
AND SEDIMENT
CONTROL
DETAILS

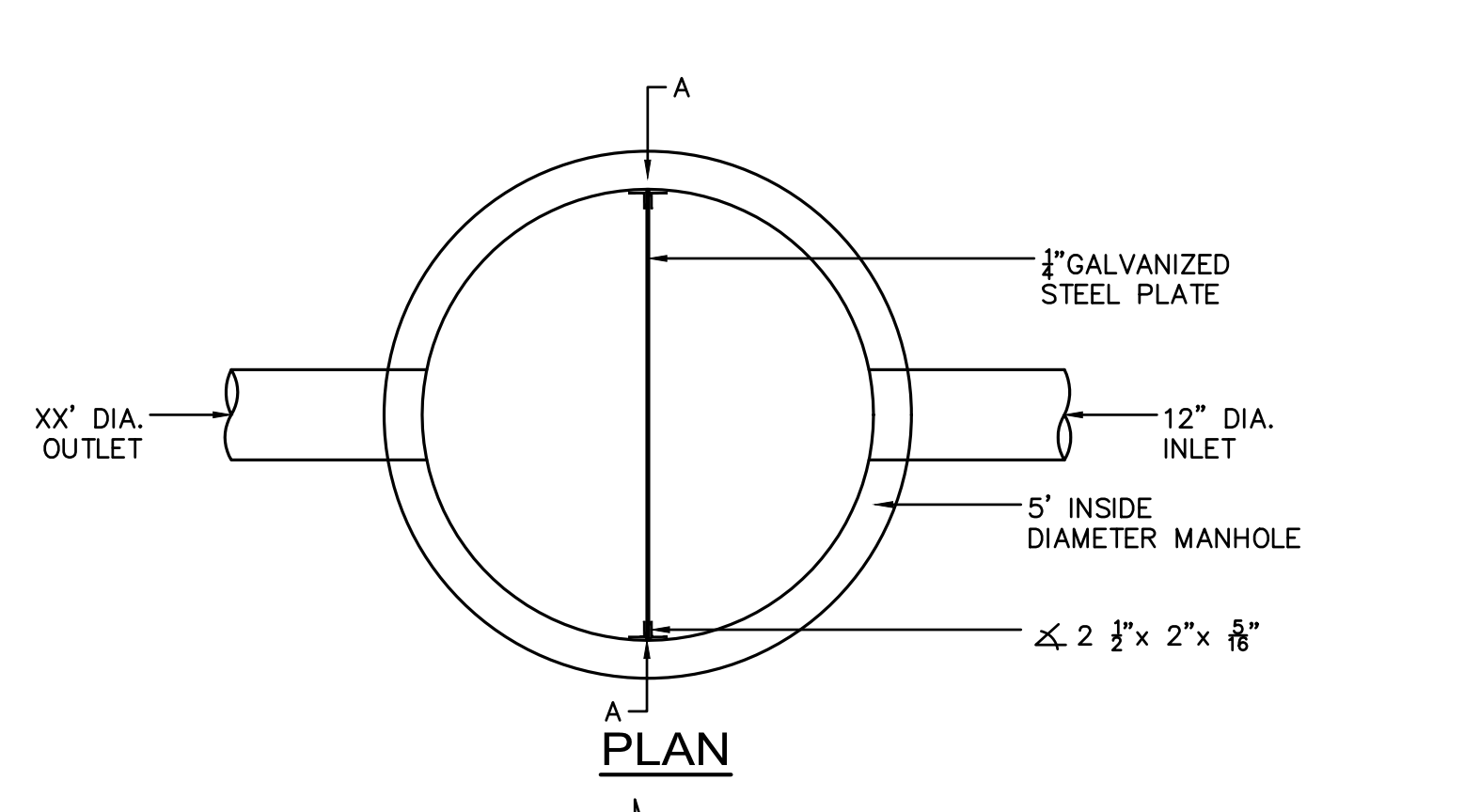
C000



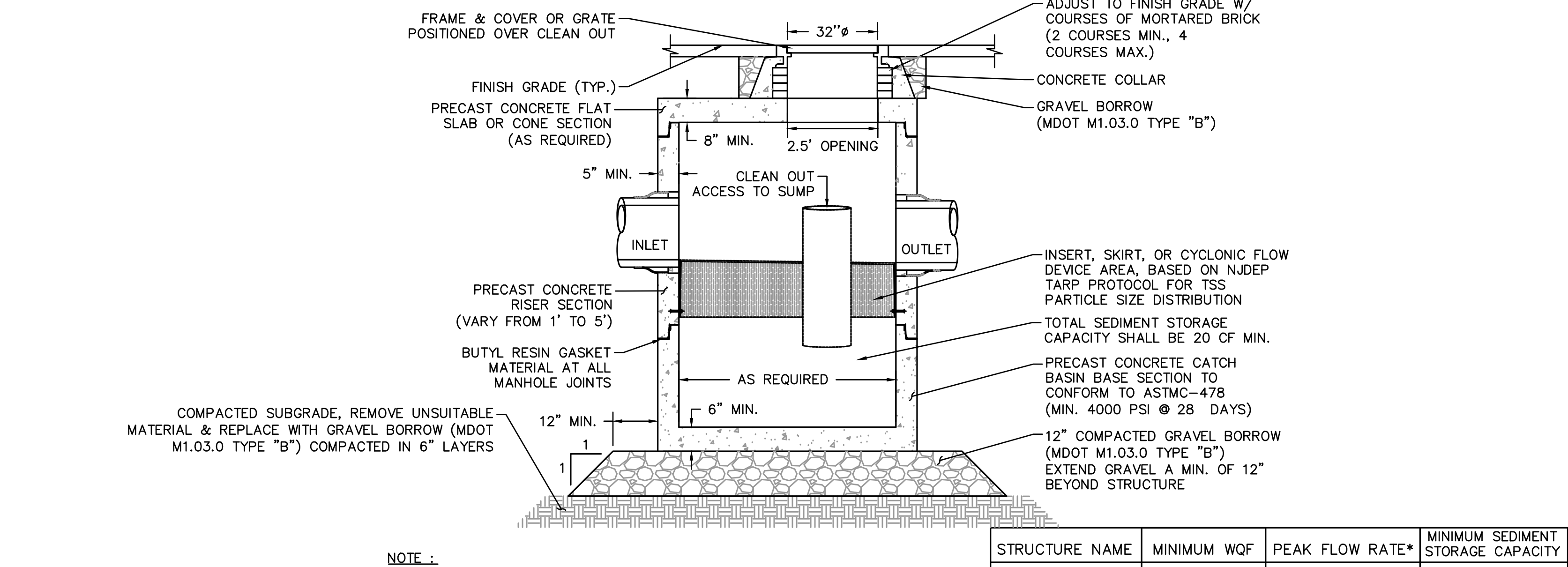
MANHOLE FRAME, COVER & SETTING DETAIL
NOT TO SCALE



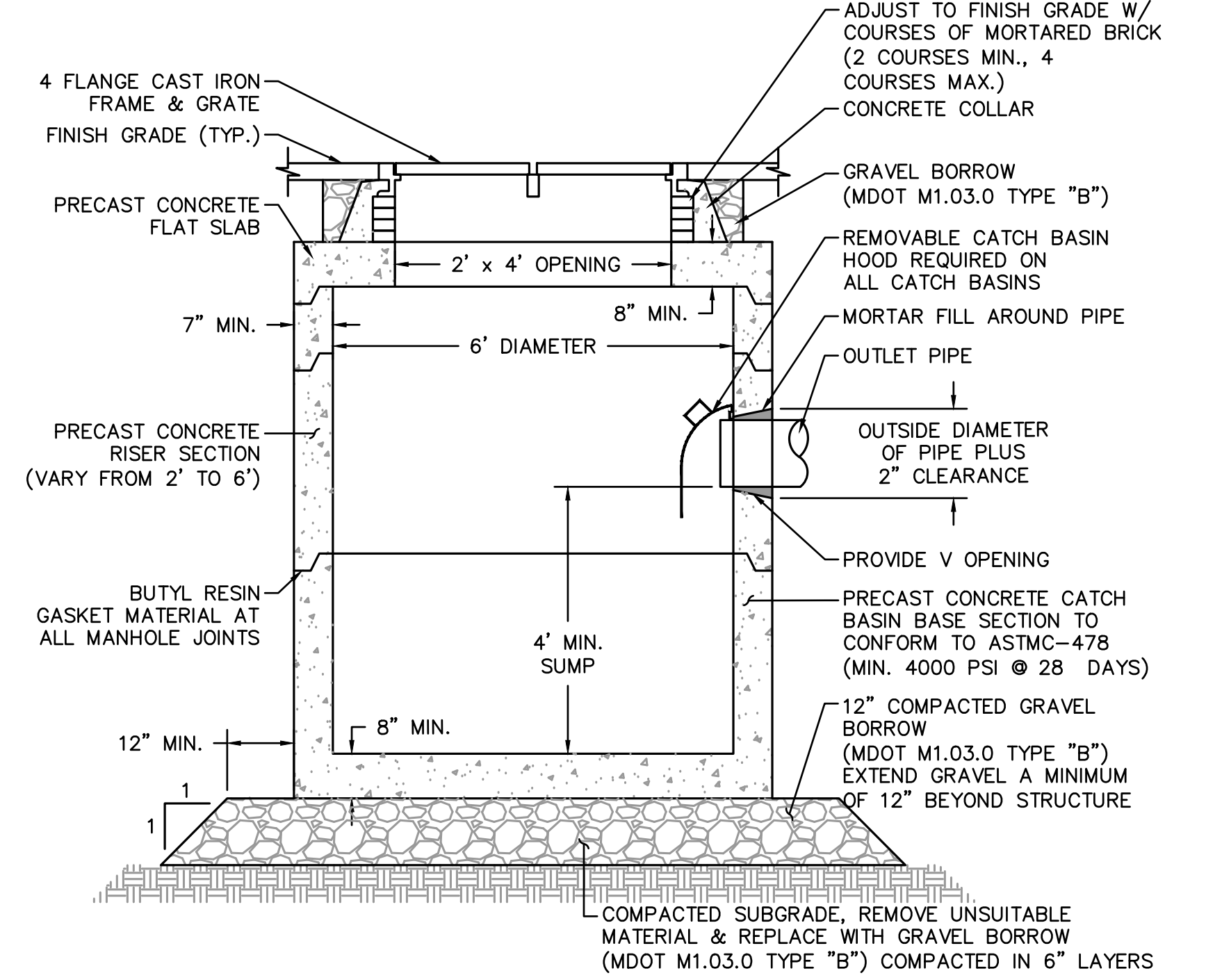
TYPICAL FIELD CONNECTION TO LARGE CONCRETE PIPE OR CONCRETE MANHOLE DETAIL
NOT TO SCALE



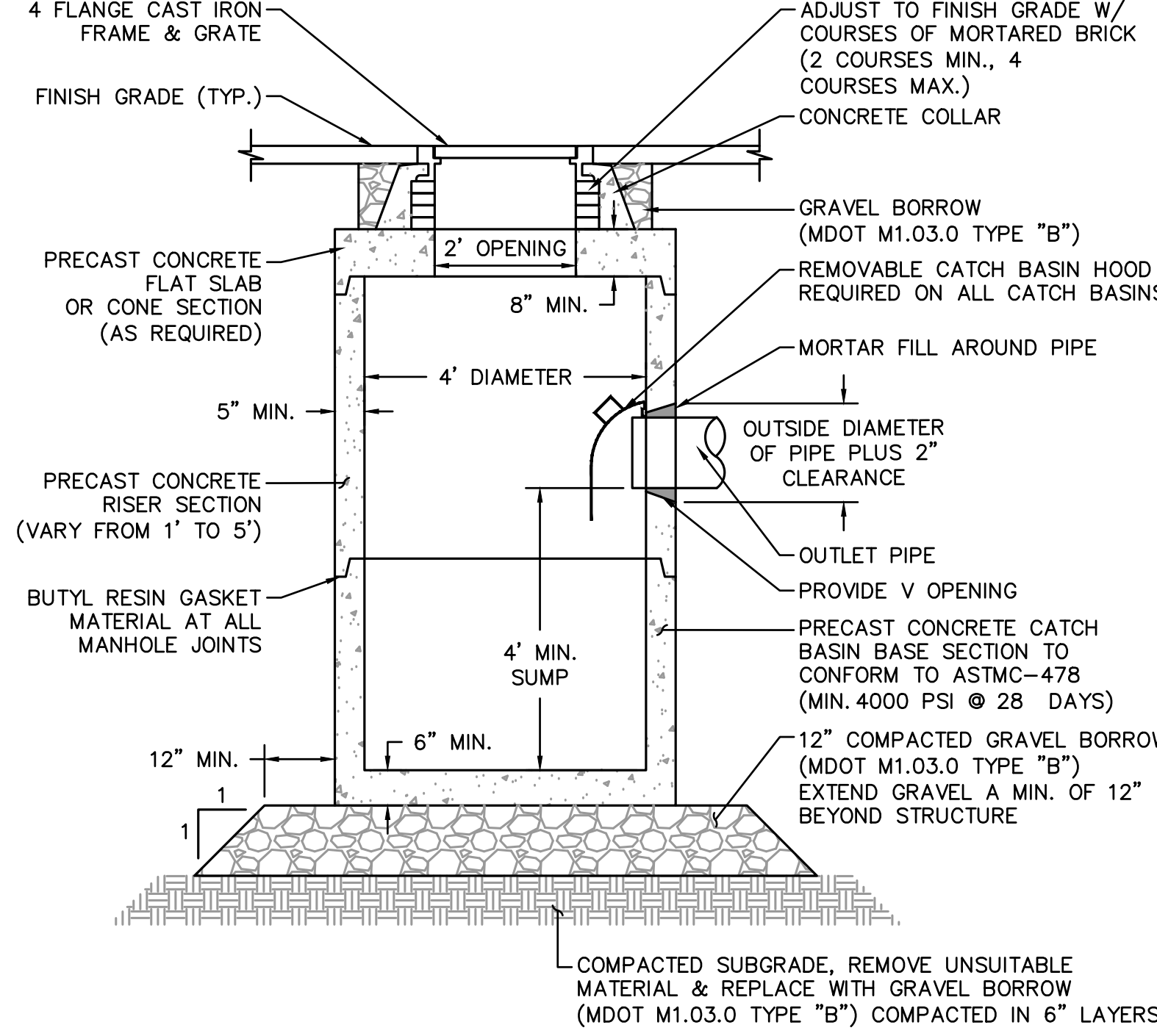
OUTLET CONTROL STRUCTURE 313
NOT TO SCALE



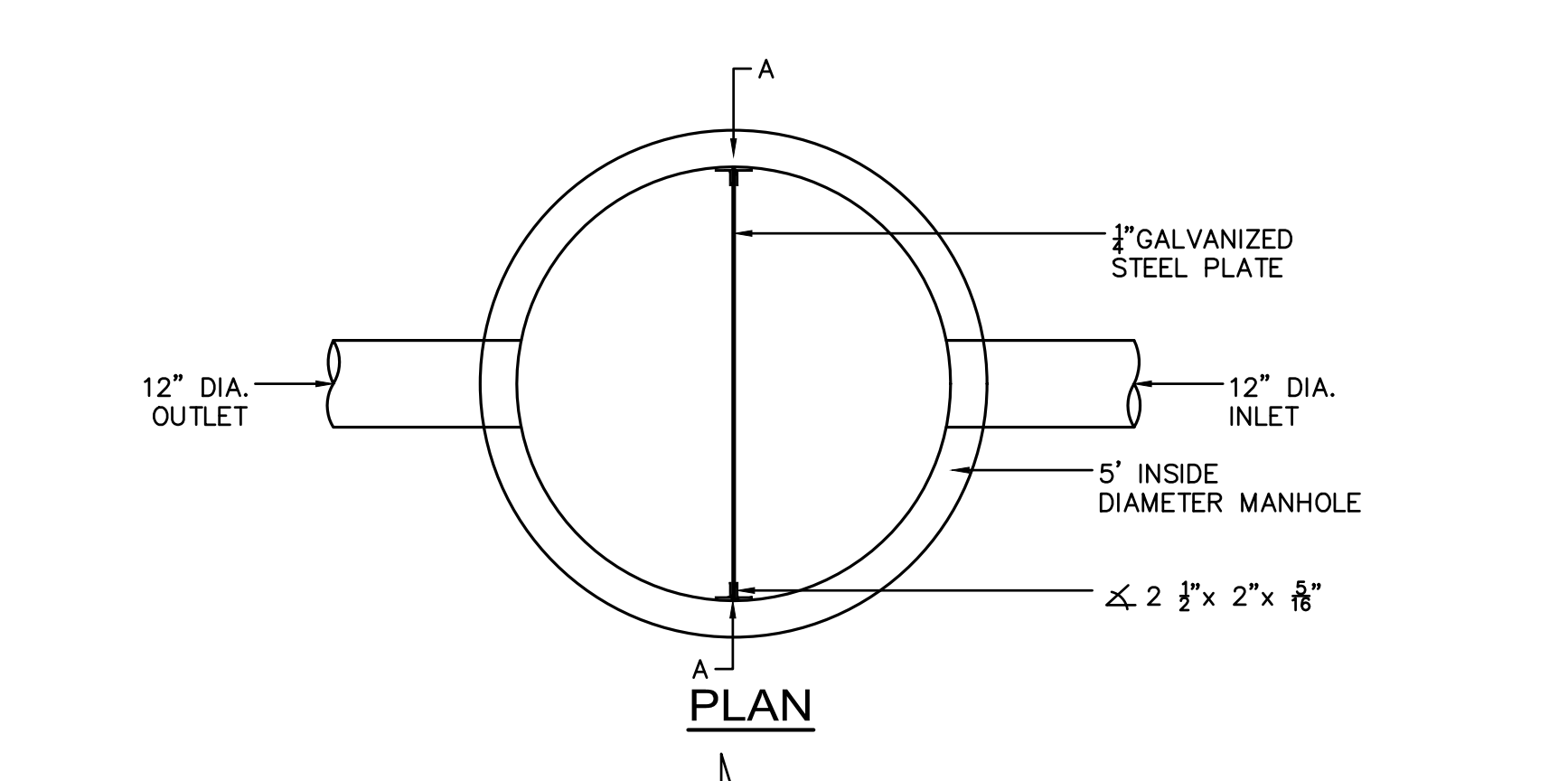
WATER QUALITY STRUCTURE DETAIL
NOT TO SCALE



TYPICAL DOUBLE CATCH BASIN DETAIL
NOT TO SCALE



TYPICAL CATCH BASIN DETAIL
NOT TO SCALE



OUTLET CONTROL STRUCTURE 323
NOT TO SCALE

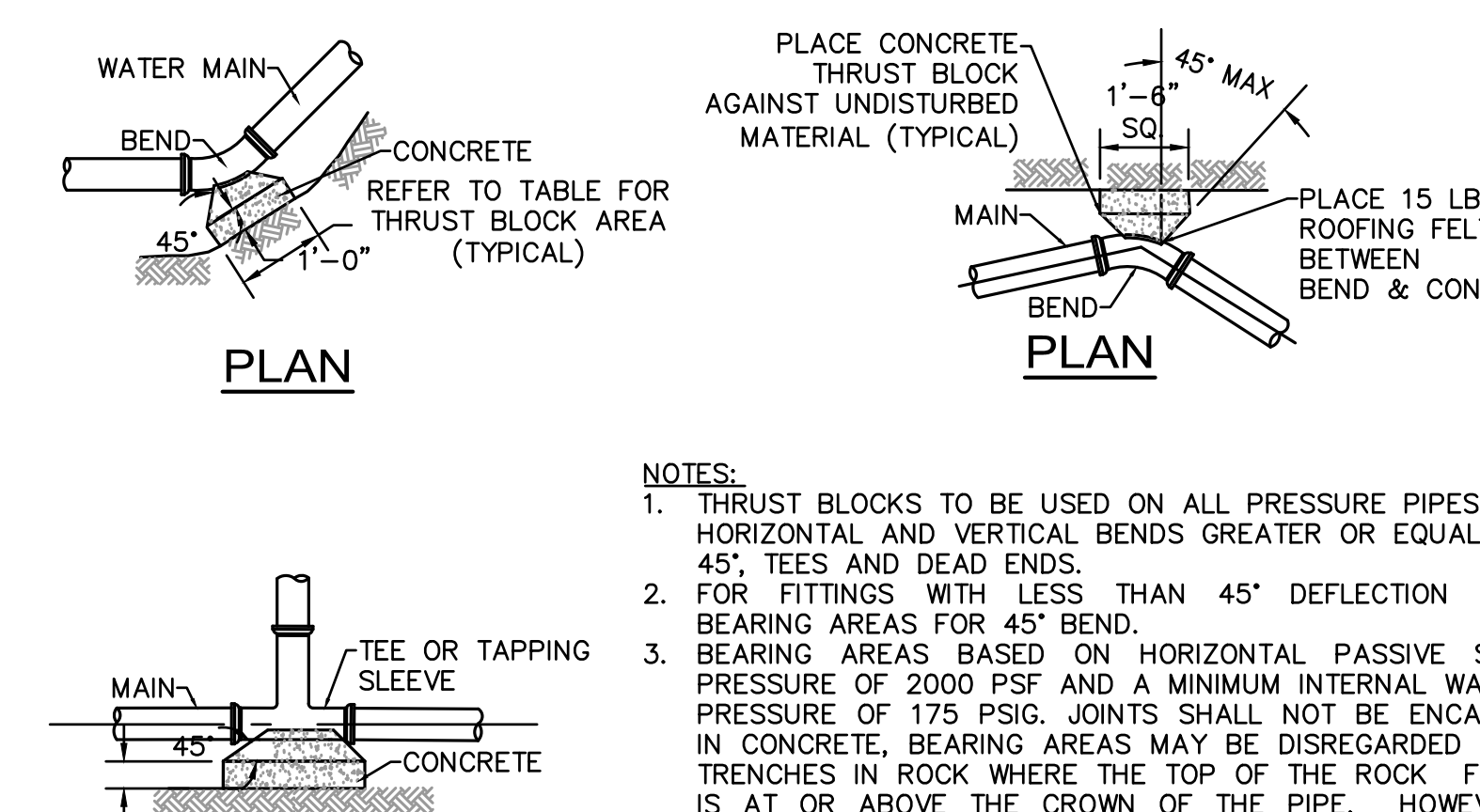
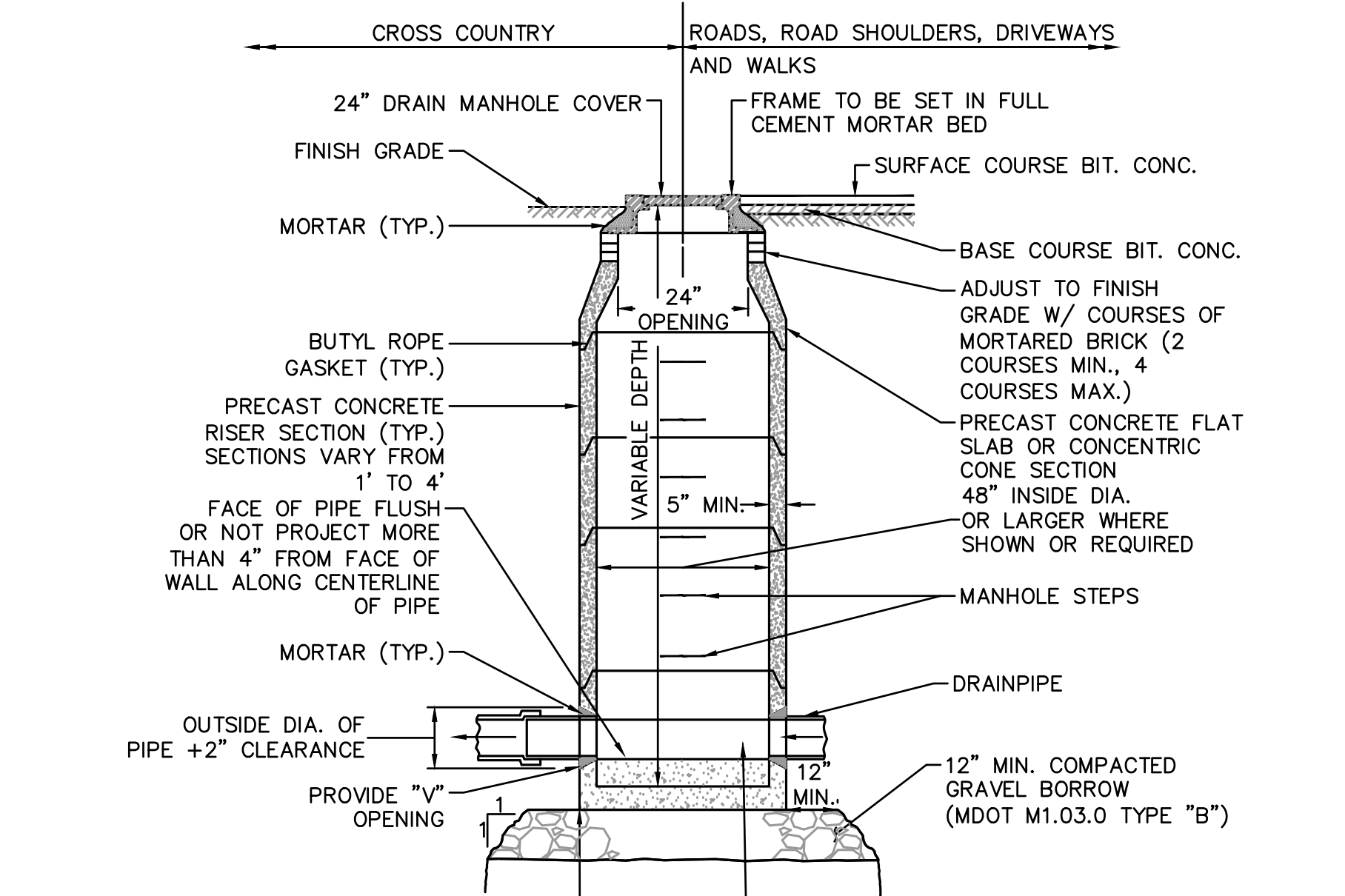


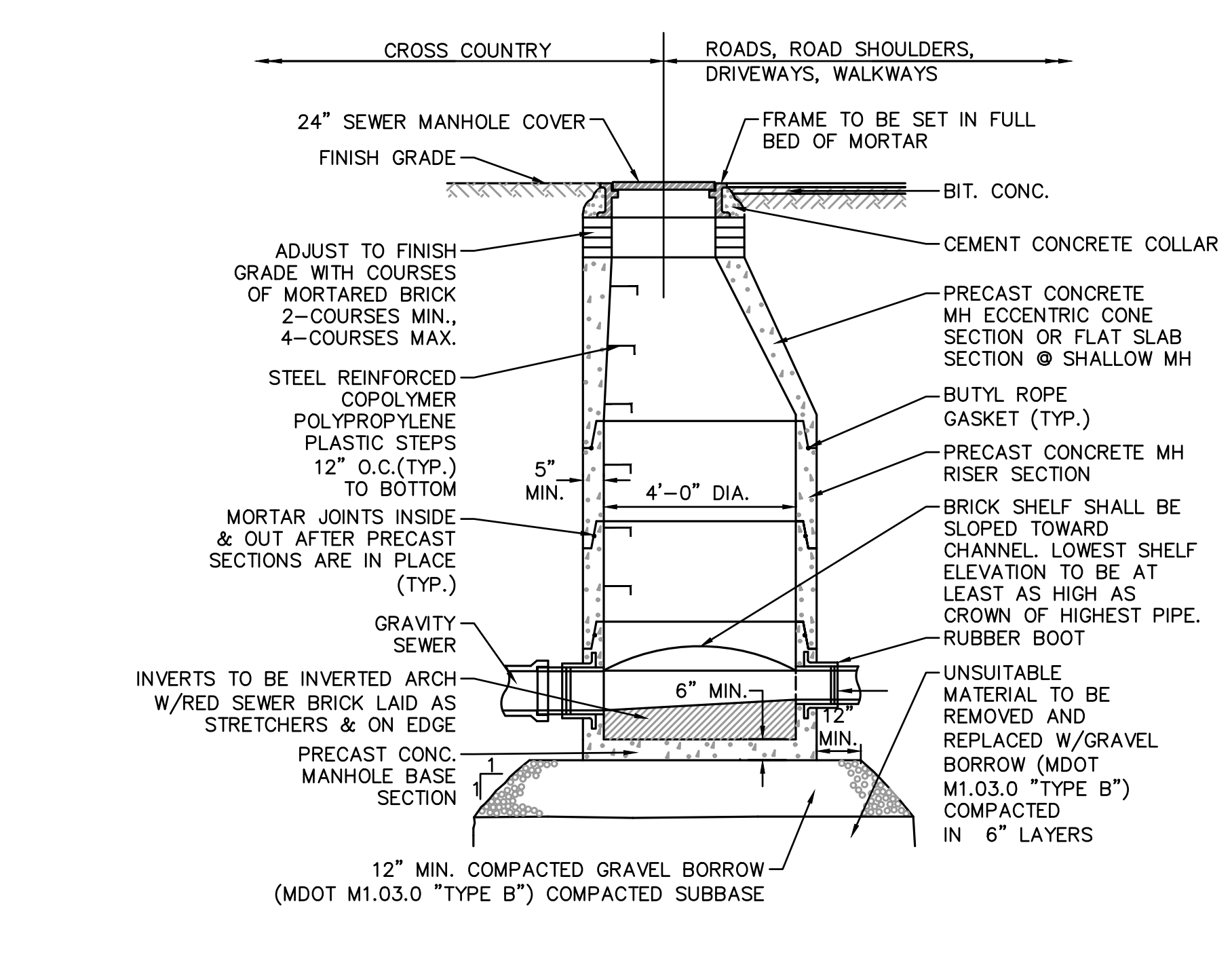
TABLE OF BEARING AREAS IN SQUARE FEET AGAINST UNDISTURBED MATERIAL FOR FITTING. *

SIZE OF MAIN (INCHES)	90° BEND (S.F.)	45° BEND (S.F.)	DEAD END (S.F.)
4	2.3	1.3	1.6
6	4.7	2.5	3.3
8	8.0	4.5	6.0
12	17.0	9.5	12.0

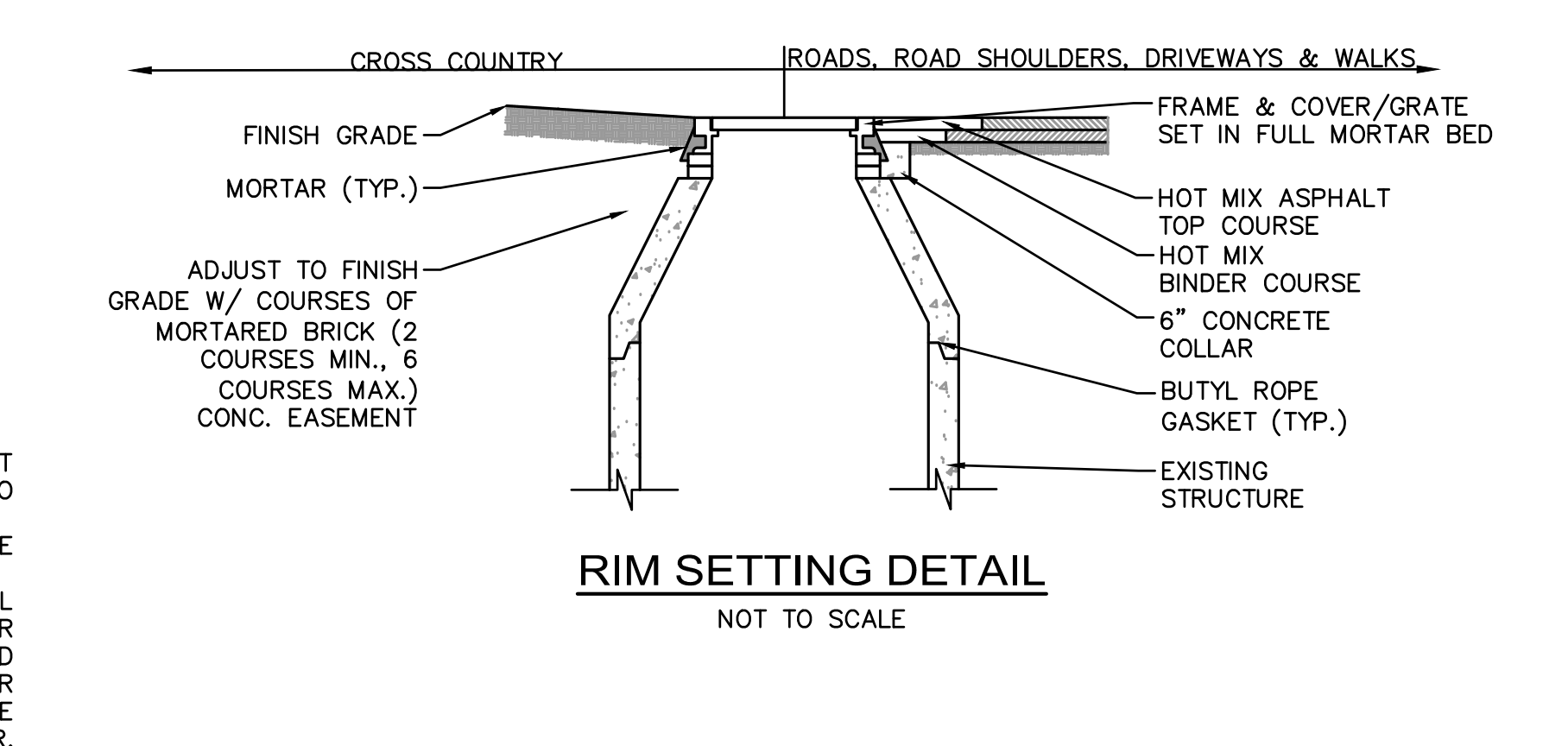
THRUST BLOCK DETAILS
NOT TO SCALE



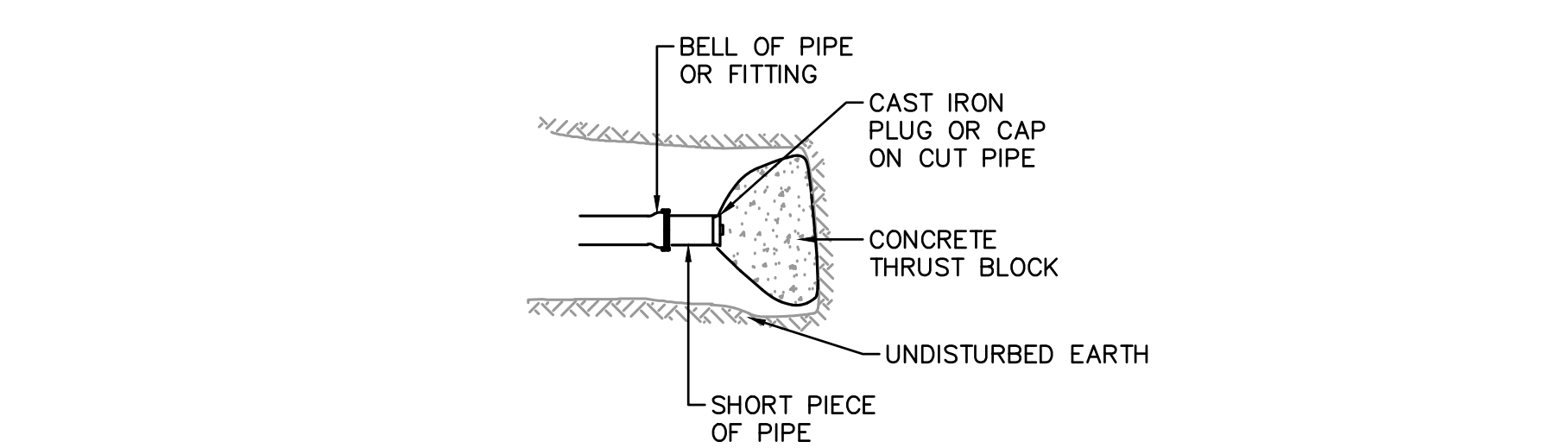
TYPICAL DRAIN MANHOLE DETAIL
NOT TO SCALE



TYPICAL SEWER MANHOLE DETAIL
NOT TO SCALE



RIM SETTING DETAIL
NOT TO SCALE



PLUG OR CAP DETAIL
NOT TO SCALE

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Nitsch Engineering

NITSCH PROJECT #13873

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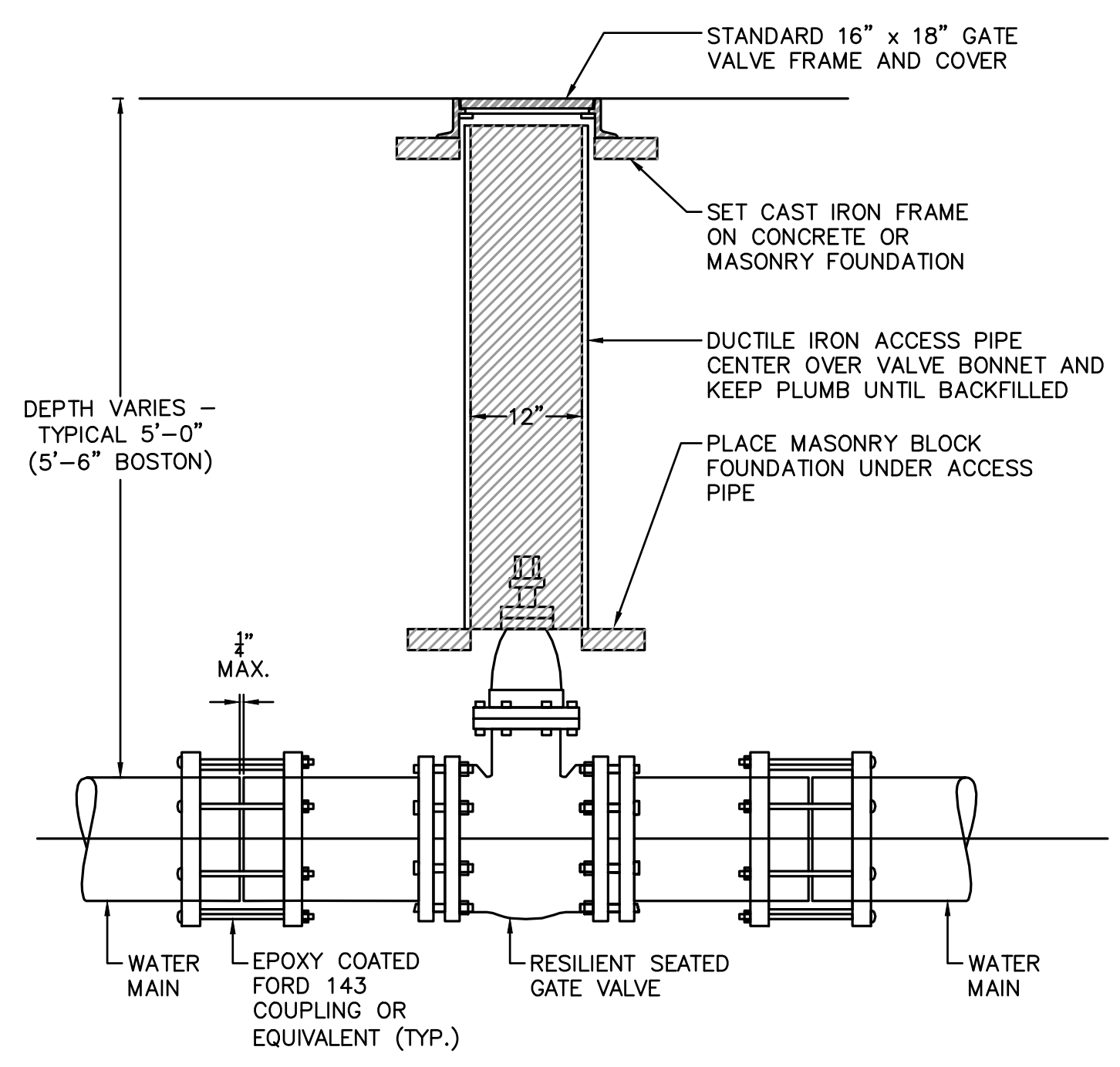
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Drawn By:	SEK
Checked By:	MLC
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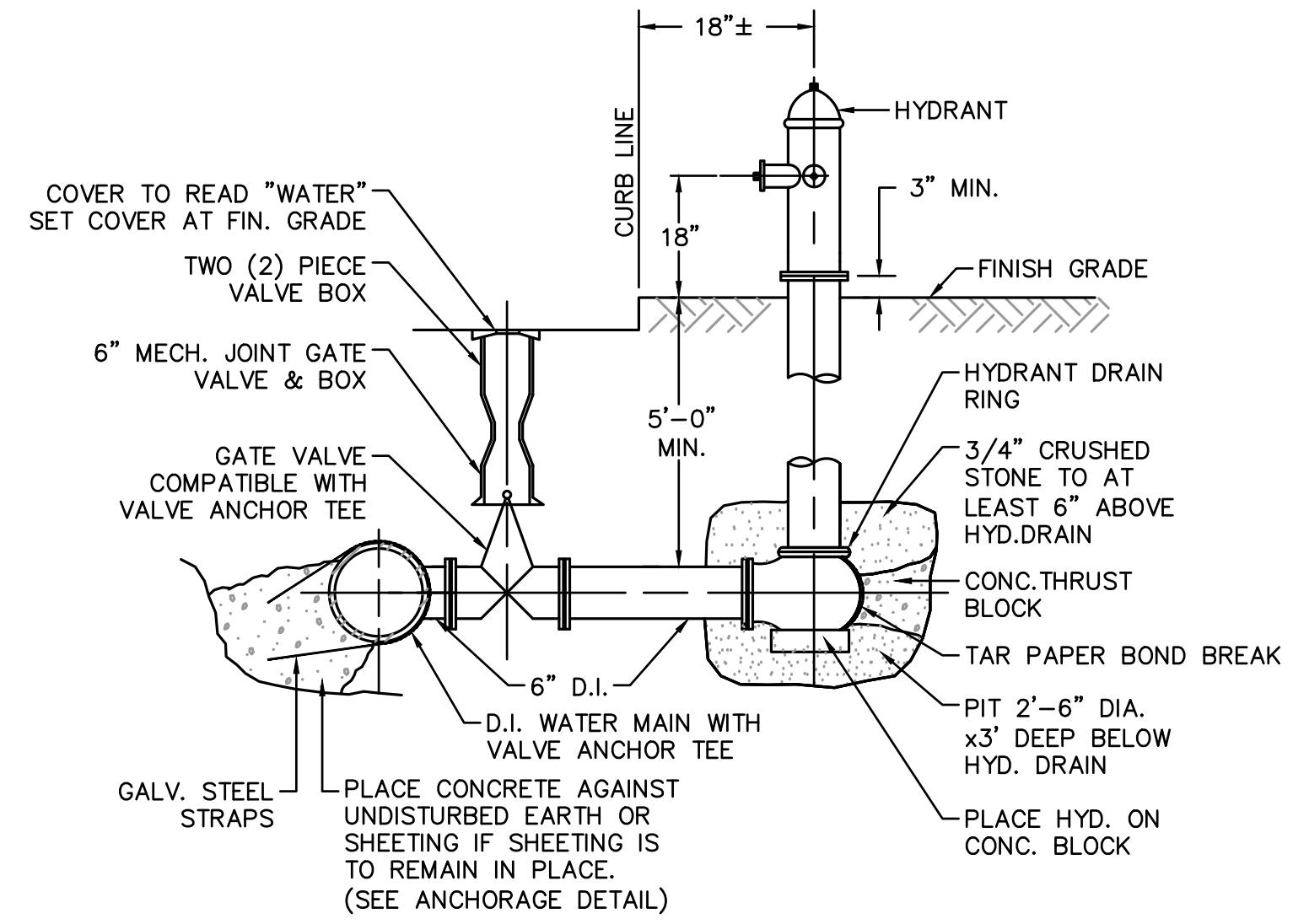
SITE UTILITY DETAILS

C301

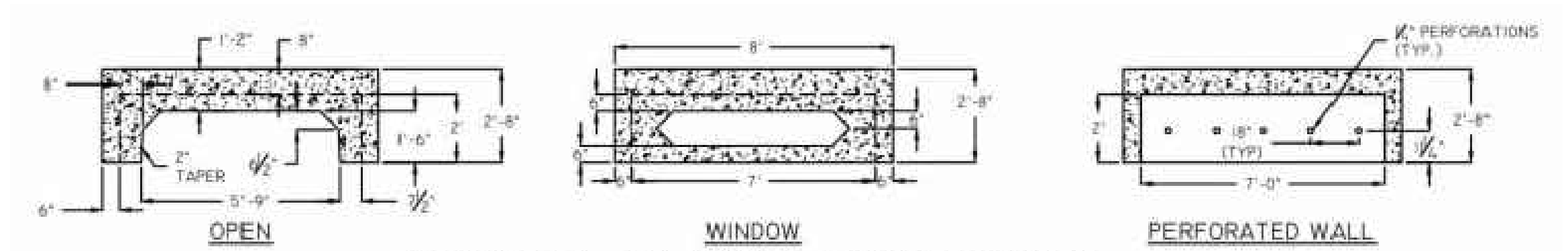
NITSCH PROJECT NUMBER 13873



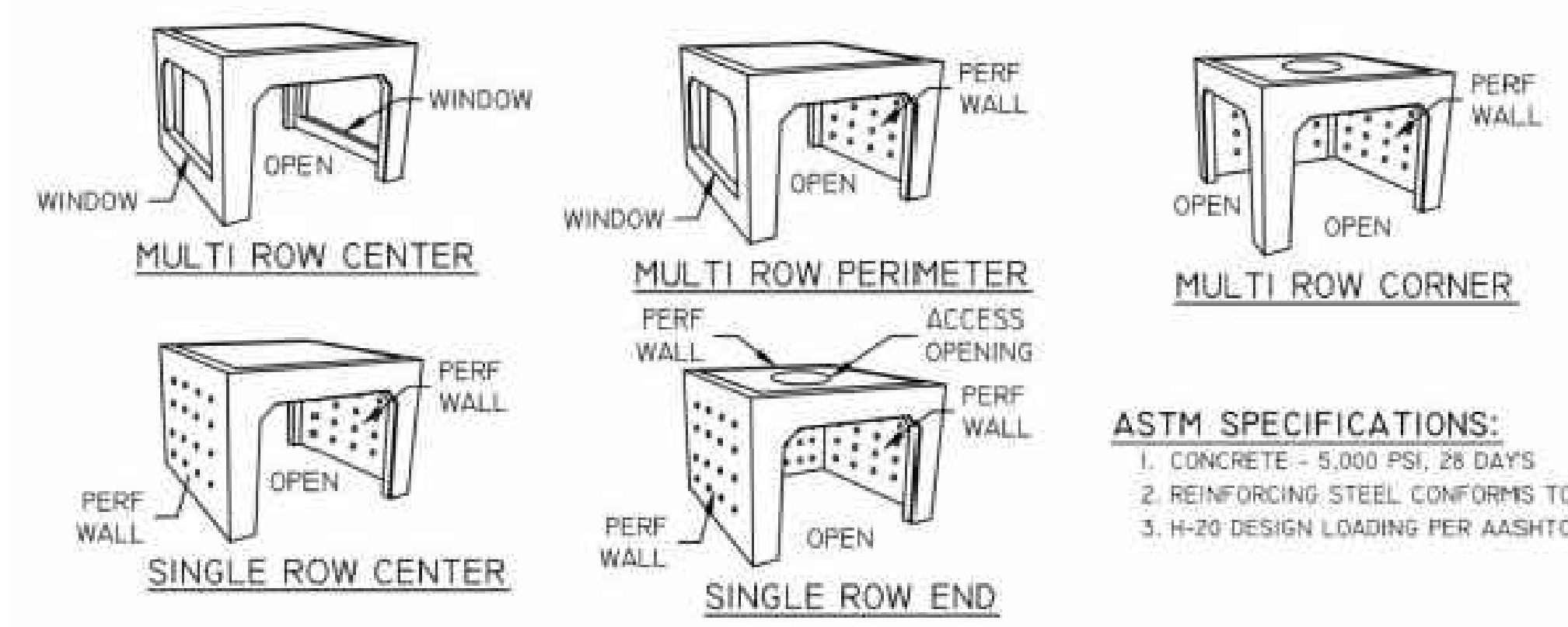
GATE VALVE DETAIL
NOT TO SCALE



FIRE HYDRANT DETAIL
NOT TO SCALE

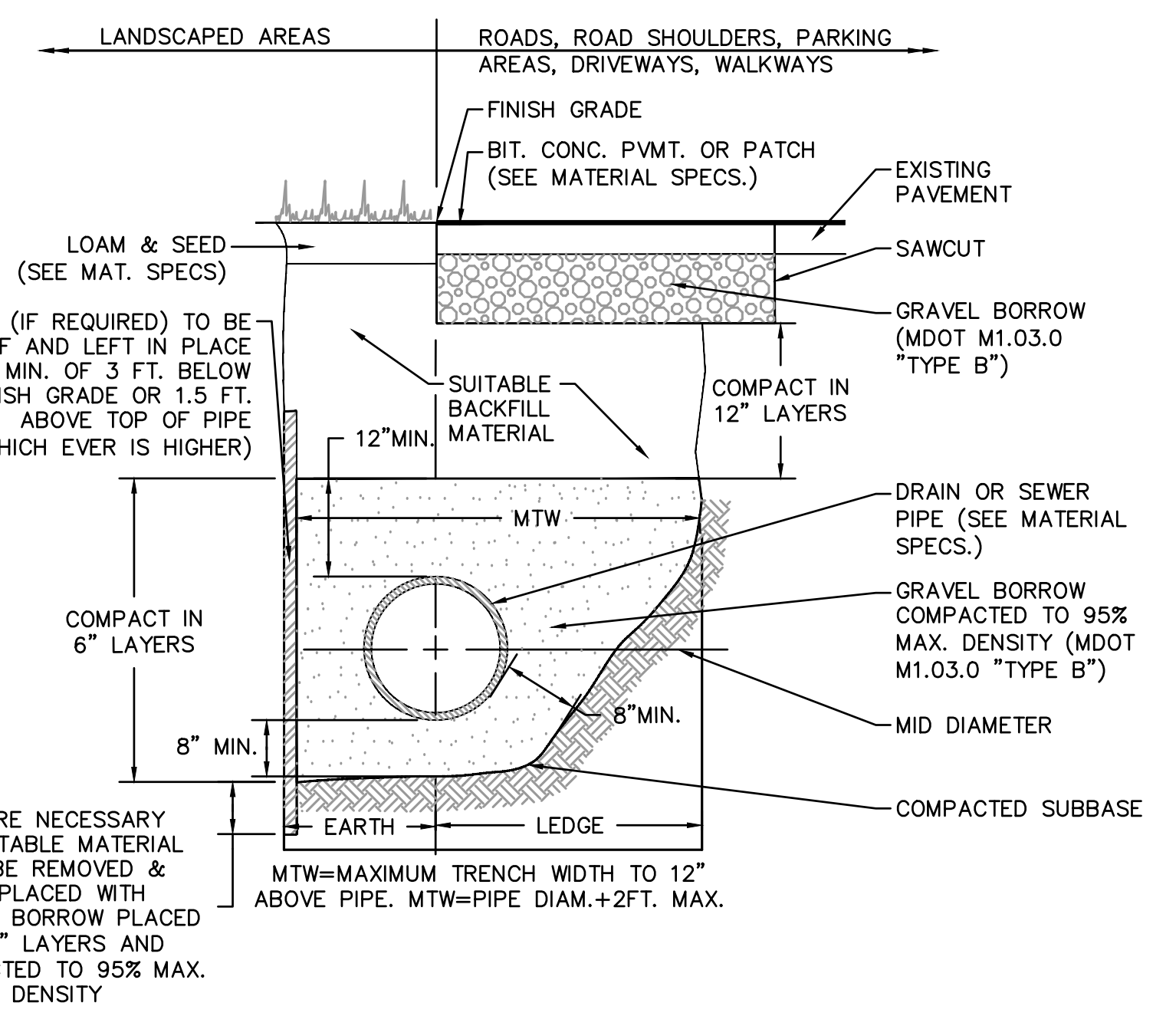


TYPICAL 2' UNIT DIMENSIONS

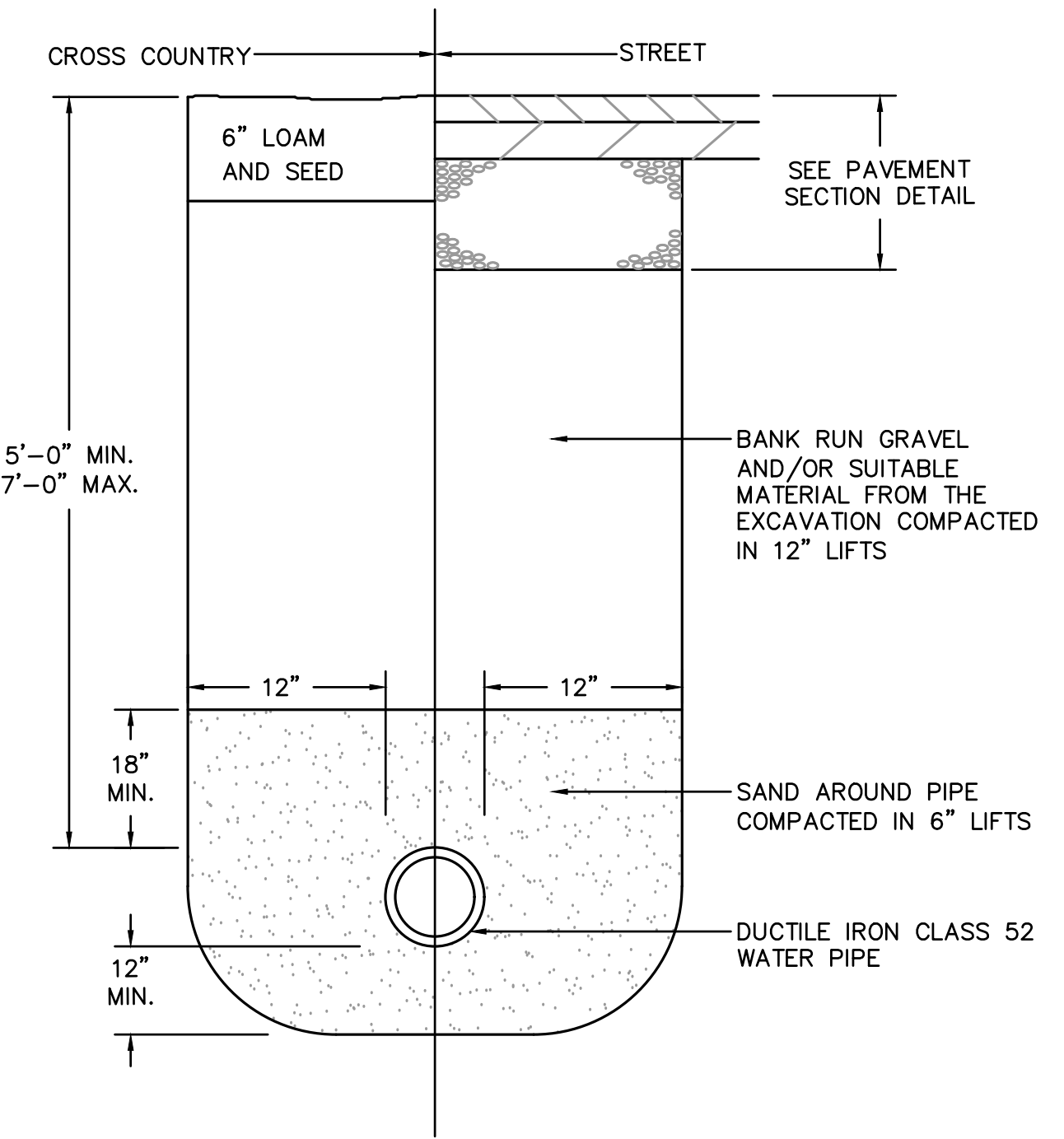


- ASTM SPECIFICATIONS:**
1. CONCRETE - 5,000 PSI, 28 DAYS
 2. REINFORCING STEEL CONFORMS TO LATEST ASTM A615
 3. H-20 DESIGN LOADING PER AASHTO HS-20-44

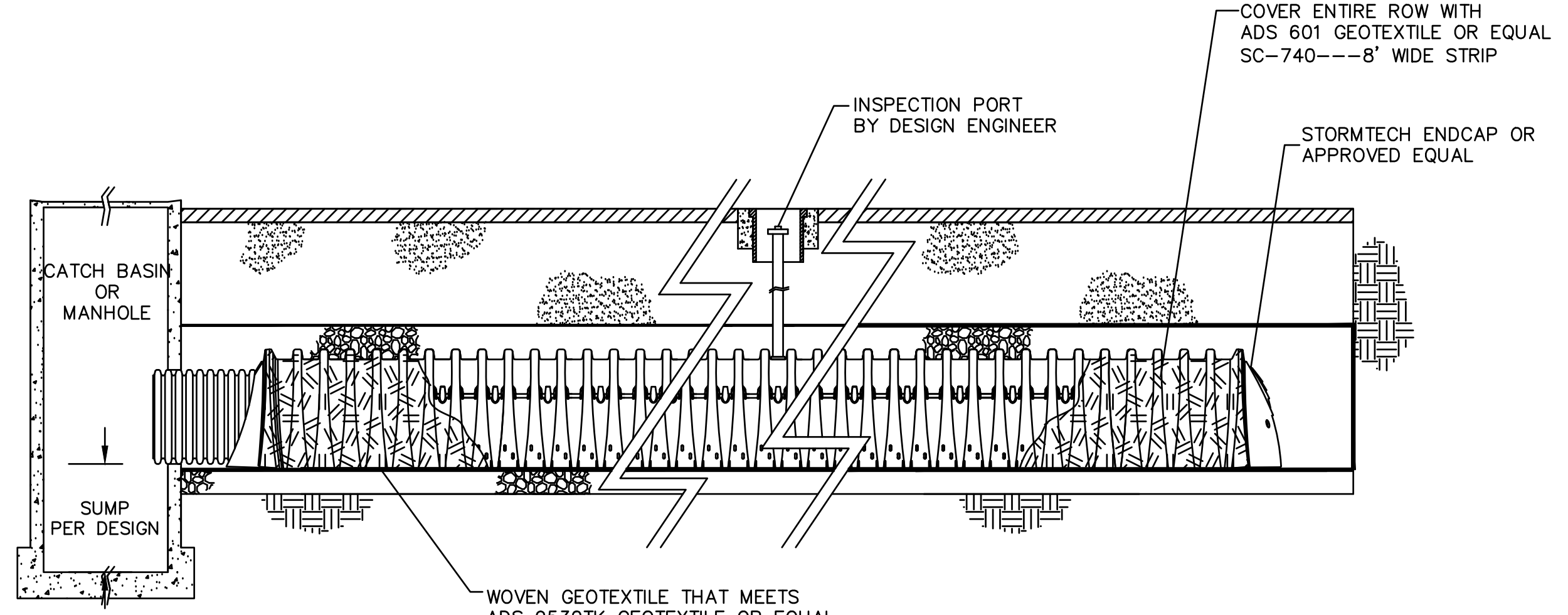
RETAIN-IT 2' DETENTION/RETENTION AND INFILTRATION SYSTEM OR APPROVED EQUAL
NOT TO SCALE



STANDARD TRENCH DETAIL FOR UTILITY PIPE
NOT TO SCALE



WATER TRENCH DETAIL
NOT TO SCALE

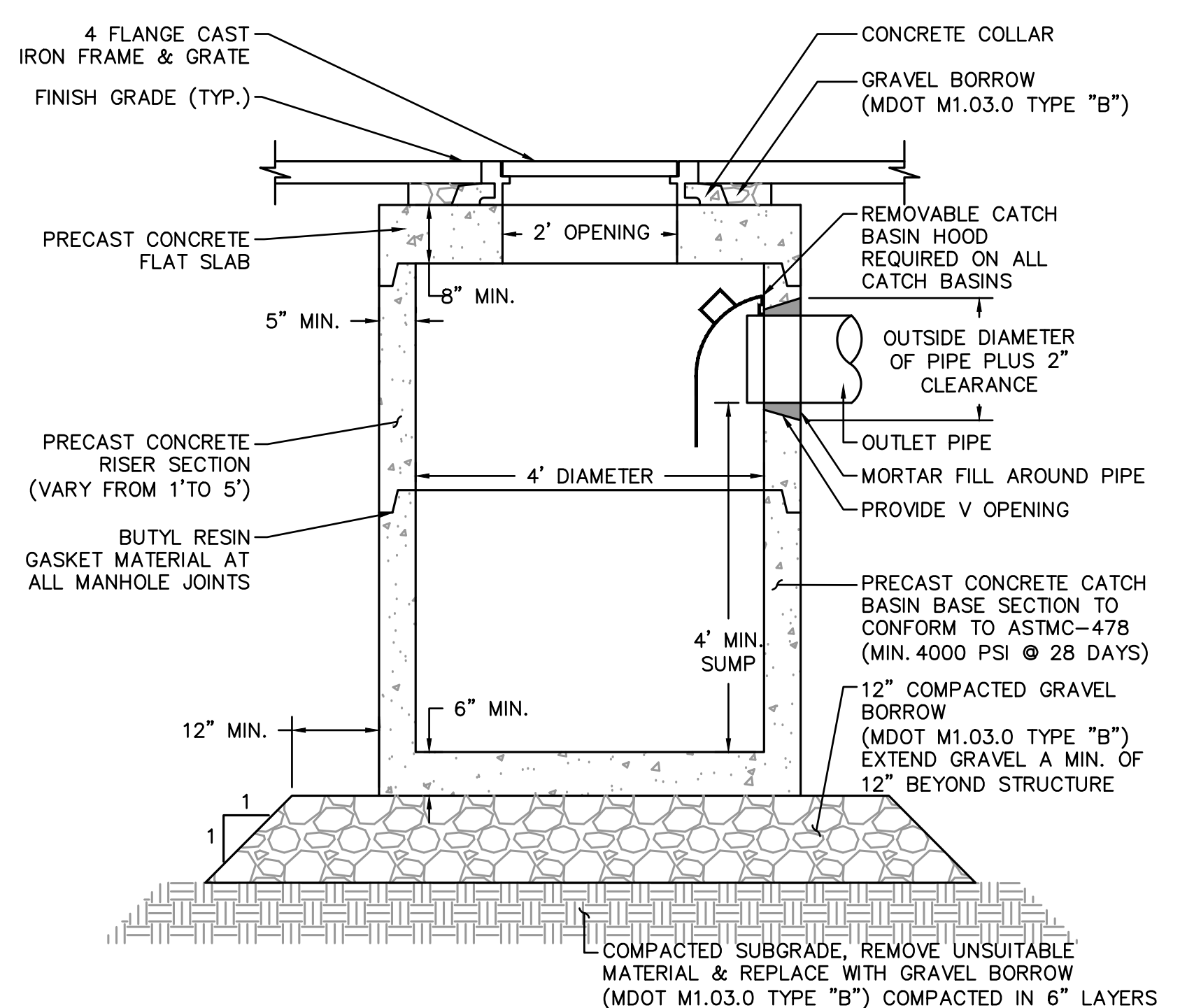


STORMTECH SC-740 ISOLATOR ROW DETAIL OR APPROVED EQUAL
NOT TO SCALE

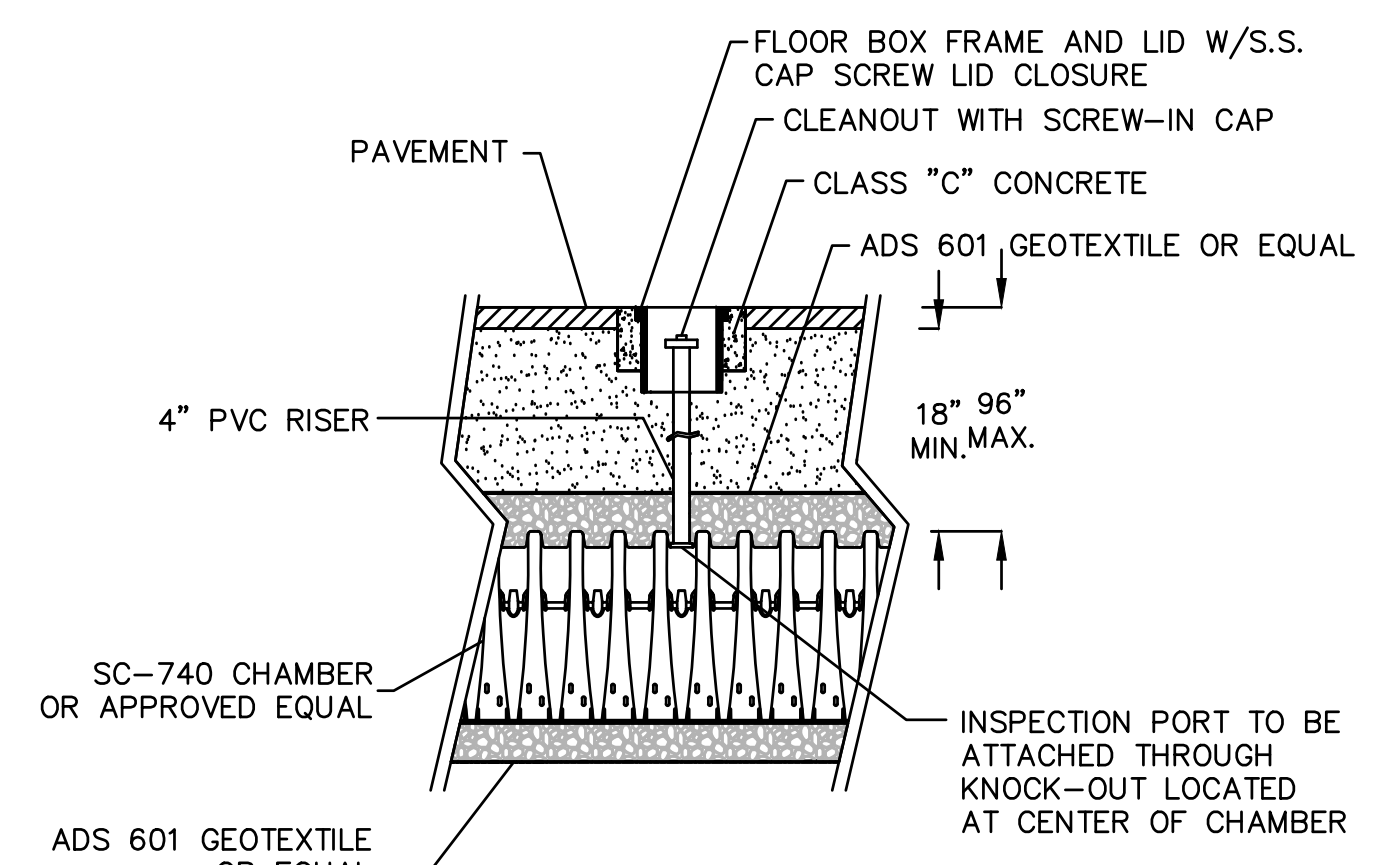
ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS OR APPROVED EQUAL

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 EMBEDEDMENT STONE ('B' LAYER) TO 18\"/>		

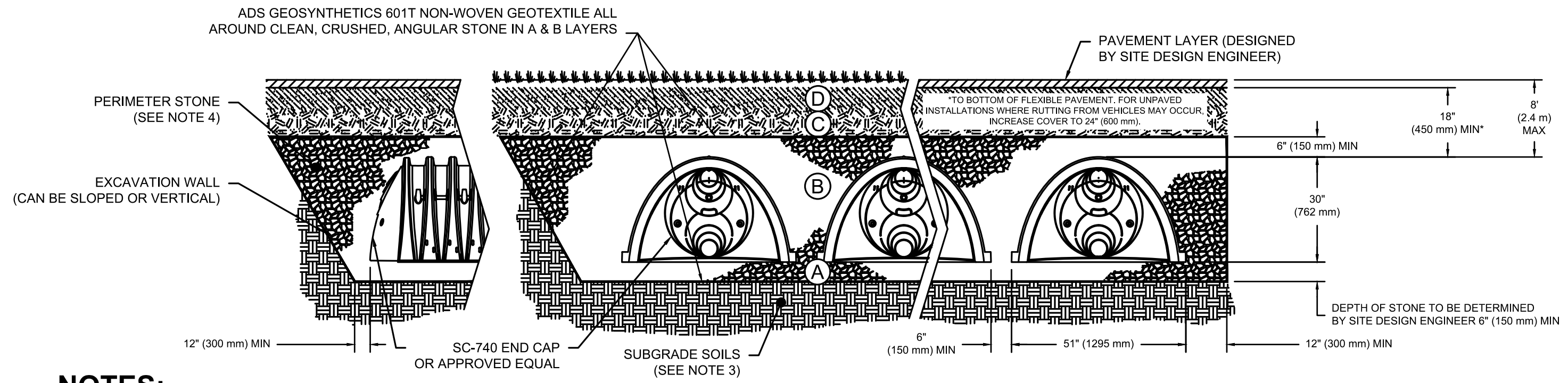
- PLEASE NOTE:**
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6\"/>



SHALLOW CATCH BASIN DETAIL
NOT TO SCALE



STORMTECH MC-3500 INSPECTION PORT DETAIL OR APPROVED EQUAL
NOT TO SCALE



- NOTES:**
1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 2. SC-740 CHAMBERS OR APPROVED EQUAL SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
 4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
 5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2\"/>

STORMTECH SC-740 DETAIL OR APPROVED EQUAL
NOT TO SCALE

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NITSCHE PROJECT #13873
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Checked By: MLC

SITE UTILITY DETAILS

C302



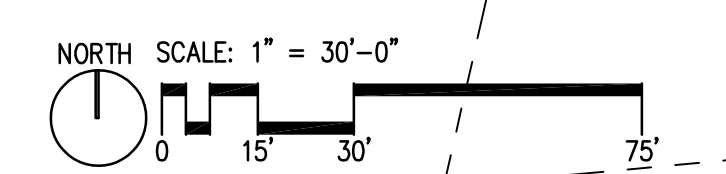
ELEVATION
 IR
 EDGE
 'E' LOCATION
 MAIN LOCATION
 MAIN LOCATION
 SCTRIC

'F LAND IN LYNNFIELD INHABITANTS 'D FOR ELEMENTARY 'D MAY 1956 BY 'ILED WITH THE 'S, SOUTH DISTRICT,
 '354 PAGE 334, 'D BOOK 4356
 ' TAKEN FROM AN ACTUAL BY HAYES ENGINEERING INC. 'AND MARCH 2021.
 ' NGVD.
 'NS TAKEN FROM BOSTON GAS SEC. #LYNFG1463
 ' LOCATIONS TAKEN FROM DISTRICT PLAN DATED DECEMBER 1970 'TER DISTRICT FIELD MARKOUT

LEGEND:

	PULVERIZE AND BLEND ASPHALT		LIMIT OF WORK
	ASPHALT REMOVAL		STRIP AND STOCKPILE
	CONCRETE REMOVAL		PRESERVE AND PROTECT
	GRUB AND CLEAR, R&D STUMPS		REMOVE AND DISPOSE
	SAWCUT LINE		REMOVE AND SALVAGE (SALVAGE LOCATION AS DIRECTED BY OWNER)
	VERTICAL/FLUSH GRANITE CURB REMOVAL (VGC)		EXISTING TO REMAIN
	TREE PROTECTION		
	TREE REMOVAL		

- SITE PREPARATION NOTES:**
- ALL ITEMS INDICATED "R&D" SHALL BE LEGALLY DISPOSED OF OFF-SITE UNLESS OTHER USE FOR MATERIAL IS INDICATED.
 - ITEMS TO BE SALVAGED SHALL BE STORED ON-SITE WITHIN CONSTRUCTION FENCING AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. SALVAGED BENCHES AND TABLES SHALL BE DELIVERED TO A LOCAL OFF-SITE TOWN OWNED FACILITY.
 - REFER TO UTILITY DRAWINGS FOR TREATMENT OF EXISTING SITE UTILITIES AND DRAINAGE SYSTEMS.
 - SALVAGE ALL SITE SIGNAGE REQUIRED TO BE REMOVED BY THE WORK OF THIS PROJECT, AND PROVIDE TO OWNER'S REPRESENTATIVE. DISPOSE OF FOOTINGS AND DAMAGED POSTS.
 - REFER TO CIVIL DRAWINGS AND STORMWATER POLLUTION PREVENTION PLAN FOR EROSION CONTROL.
 - REFER TO ELECTRICAL DRAWINGS FOR LIGHT POLES AND UTILITY POLES TO REMAIN.
 - CONTRACTOR SHALL REMOVE ALL EXISTING STRUCTURES, FOOTINGS, PAVEMENT, WALKS, WALLS, STAIRS, TREES, SHRUBS, ETC. NECESSARY TO COMPLETE THE WORK UNDER THIS CONTRACT
 - REFER TO GEOTECHNICAL INFORMATION FOR SUBSURFACE EXPLORATION LOCATIONS AND INFORMATION.
 - ALL EXISTING TREES TO REMAIN WITHIN THE LIMIT OF WORK AND WHERE INDICATED ON THE DRAWINGS SHALL BE PRUNED IN ACCORDANCE WITH THE SPECIFICATIONS.



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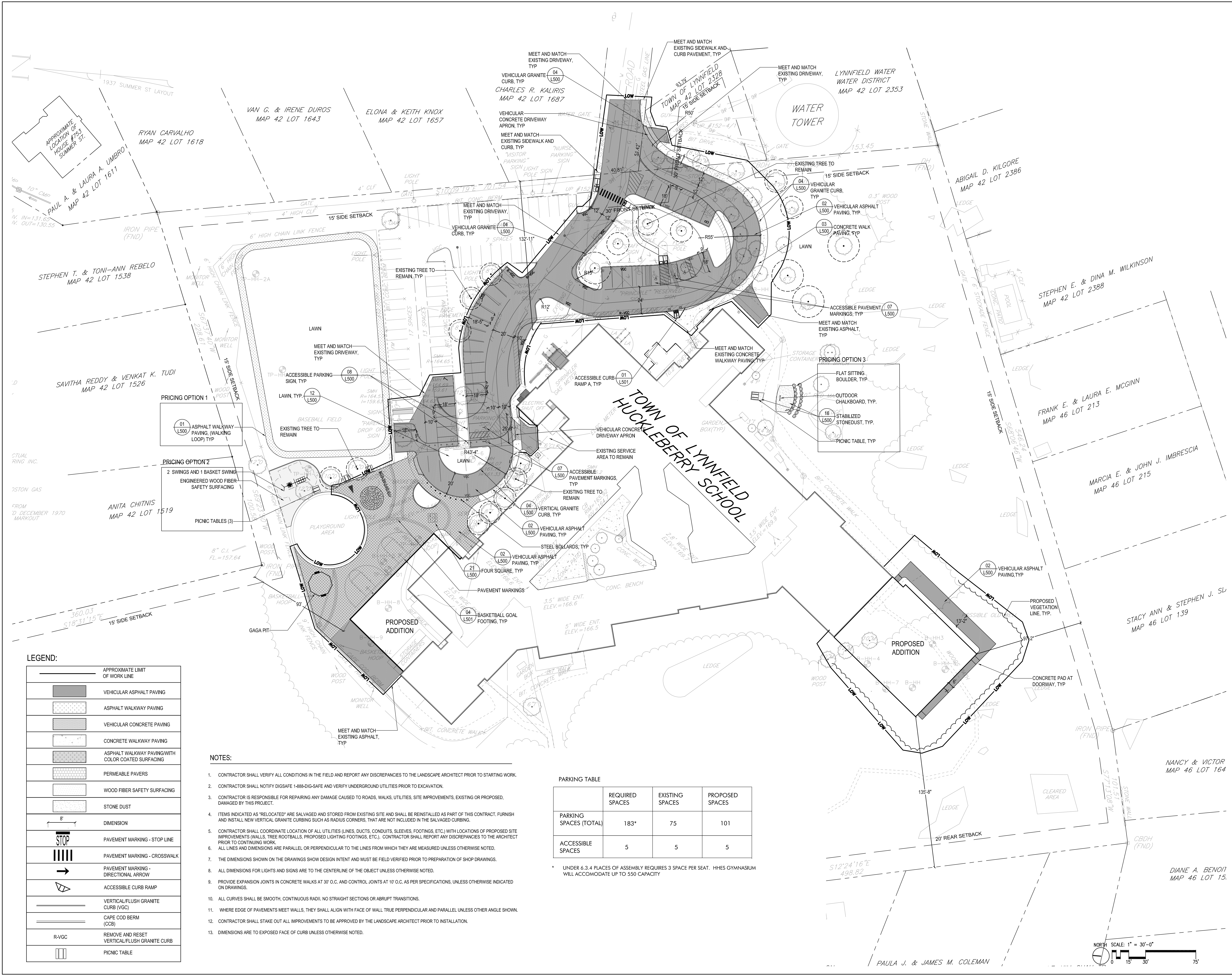
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**SITE
 PREPARATION
 PLAN**

L100



LEGEND:

	APPROXIMATE LIMIT OF WORK LINE
	VEHICULAR ASPHALT PAVING
	ASPHALT WALKWAY PAVING
	VEHICULAR CONCRETE PAVING
	CONCRETE WALKWAY PAVING
	ASPHALT WALKWAY PAVING WITH COLOR COATED SURFACING
	PERMEABLE PAVERS
	WOOD FIBER SAFETY SURFACING
	STONE DUST
	DIMENSION
	PAVEMENT MARKING - STOP LINE
	PAVEMENT MARKING - CROSSWALK
	PAVEMENT MARKING - DIRECTIONAL ARROW
	ACCESSIBLE CURB RAMP
	VERTICAL/FLUSH GRANITE CURB (VGC)
	CAPE COD BERM (CCB)
	REMOVE AND RESET VERTICAL/FLUSH GRANITE CURB
	PICNIC TABLE

- NOTES:**
- CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO STARTING WORK.
 - CONTRACTOR SHALL NOTIFY DIGSAFE 1-888-DIG-SAFE AND VERIFY UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
 - CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED TO ROADS, WALKS, UTILITIES, SITE IMPROVEMENTS, EXISTING OR PROPOSED, DAMAGED BY THIS PROJECT.
 - ITEMS INDICATED AS "RELOCATED" ARE SALVAGED AND STORED FROM EXISTING SITE AND SHALL BE REINSTALLED AS PART OF THIS CONTRACT. FURNISH AND INSTALL NEW VERTICAL GRANITE CURBING SUCH AS RADIUS CORNERS, THAT ARE NOT INCLUDED IN THE SALVAGED CURBING.
 - CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED SITE IMPROVEMENTS (WALLS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO CONTINUING WORK.
 - ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE NOTED.
 - THE DIMENSIONS SHOWN ON THE DRAWINGS SHOW DESIGN INTENT AND MUST BE FIELD VERIFIED PRIOR TO PREPARATION OF SHOP DRAWINGS.
 - ALL DIMENSIONS FOR LIGHTS AND SIGNS ARE TO THE CENTERLINE OF THE OBJECT UNLESS OTHERWISE NOTED.
 - PROVIDE EXPANSION JOINTS IN CONCRETE WALKS AT 30' O.C. AND CONTROL JOINTS AT 10' O.C. AS PER SPECIFICATIONS, UNLESS OTHERWISE INDICATED ON DRAWINGS.
 - ALL CURVES SHALL BE SMOOTH, CONTINUOUS RADIUS, NO STRAIGHT SECTIONS OR ABRUPT TRANSITIONS.
 - WHERE EDGE OF PAVEMENTS MEET WALLS, THEY SHALL ALIGN WITH FACE OF WALL TRUE PERPENDICULAR AND PARALLEL UNLESS OTHER ANGLE SHOWN.
 - CONTRACTOR SHALL STAKE OUT ALL IMPROVEMENTS TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
 - DIMENSIONS ARE TO EXPOSED FACE OF CURB UNLESS OTHERWISE NOTED.

PARKING TABLE

	REQUIRED SPACES	EXISTING SPACES	PROPOSED SPACES
PARKING SPACES (TOTAL)	183*	75	101
ACCESSIBLE SPACES	5	5	5

* UNDER 6.3.4 PLACES OF ASSEMBLY REQUIRES 3 SPACE PER SEAT. HHHS GYMNASIUM WILL ACCOMMODATE UP TO 550 CAPACITY

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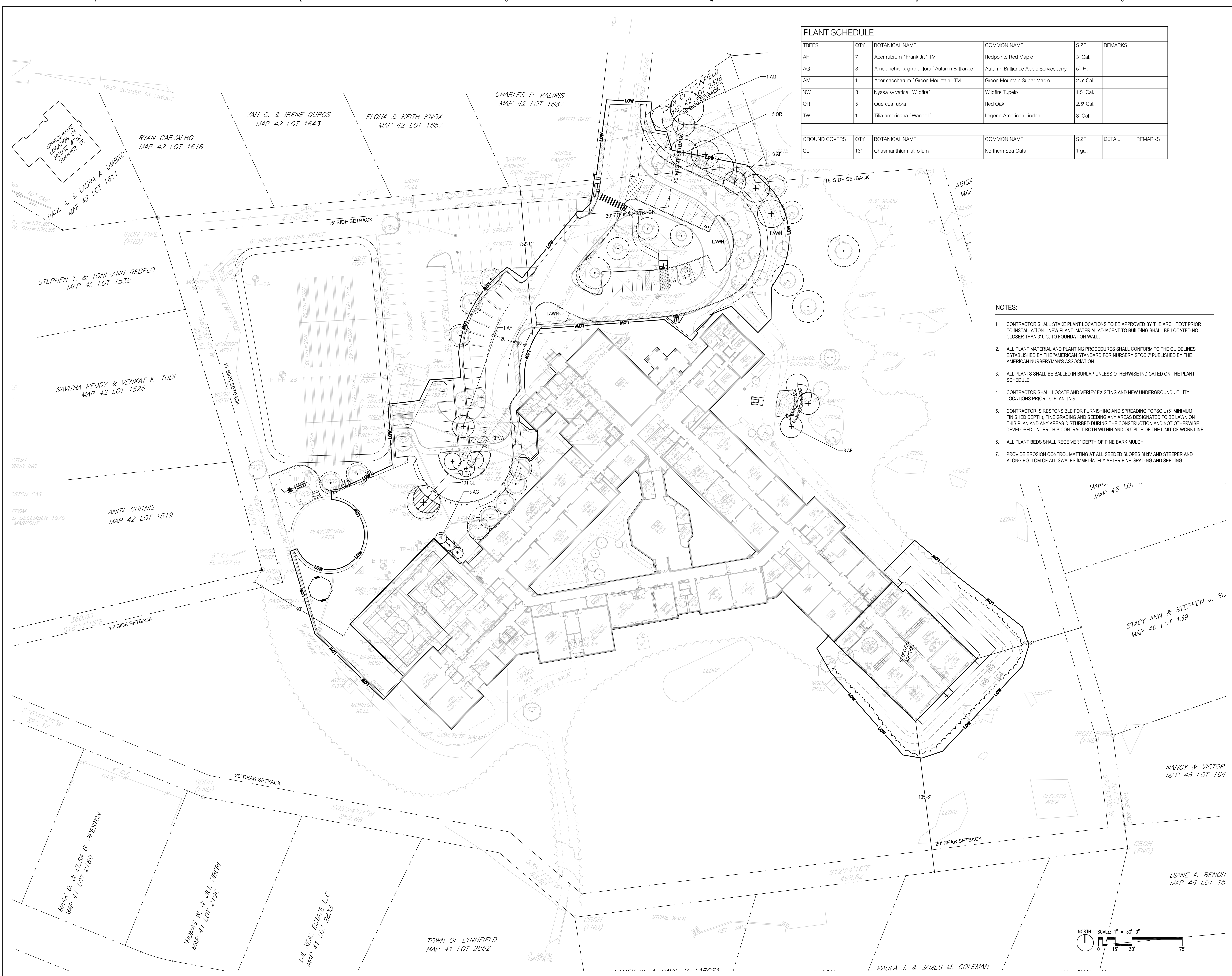
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<p>Drawing Issue Record:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>03/17/21</td> <td>PERMIT SET.</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	1	03/17/21	PERMIT SET.	<p>Project: A1907.00 Date: 03/17/2021 Scale: 1"=30'-0" Drawn By: MB Checked By: TJ Copyright 2021, Tappé Associates, Inc.</p>
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LAYOUT AND MATERIALS PLAN

L200



TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
AF	7	Acer rubrum 'Frank Jr.' TM	Redpointe Red Maple	3" Cal.		
AG	3	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Apple Serviceberry	5' Ht.		
AM	1	Acer saccharum 'Green Mountain' TM	Green Mountain Sugar Maple	2.5" Cal.		
NW	3	Nyssa sylvatica 'Wildfire'	Wildfire Tupelo	1.5" Cal.		
OR	5	Quercus rubra	Red Oak	2.5" Cal.		
TW	1	Tilia americana 'Wandell'	Legend American Linden	3" Cal.		
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	DETAIL	REMARKS
CL	131	Chasmanthium latifolium	Northern Sea Oats	1 gal.		

- NOTES:**
- CONTRACTOR SHALL STAKE PLANT LOCATIONS TO BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. NEW PLANT MATERIAL ADJACENT TO BUILDING SHALL BE LOCATED NO CLOSER THAN 3' O.C. TO FOUNDATION WALL.
 - ALL PLANT MATERIAL AND PLANTING PROCEDURES SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE 'AMERICAN STANDARD FOR NURSERY STOCK' PUBLISHED BY THE AMERICAN NURSERYMAN'S ASSOCIATION.
 - ALL PLANTS SHALL BE BALLED IN BURLAP UNLESS OTHERWISE INDICATED ON THE PLANT SCHEDULE.
 - CONTRACTOR SHALL LOCATE AND VERIFY EXISTING AND NEW UNDERGROUND UTILITY LOCATIONS PRIOR TO PLANTING.
 - CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND SPREADING TOPSOIL (6" MINIMUM FINISHED DEPTH), FINE GRADING AND SEEDING ANY AREAS DESIGNATED TO BE LAWN ON THIS PLAN AND ANY AREAS DISTURBED DURING THE CONSTRUCTION AND NOT OTHERWISE DEVELOPED UNDER THIS CONTRACT BOTH WITHIN AND OUTSIDE OF THE LIMIT OF WORK LINE.
 - ALL PLANT BEDS SHALL RECEIVE 3" DEPTH OF PINE BARK MULCH.
 - PROVIDE EROSION CONTROL MATTING AT ALL SEEDED SLOPES 3:1:1 AND STEEPER AND ALONG BOTTOM OF ALL SWALES IMMEDIATELY AFTER FINE GRADING AND SEEDING.

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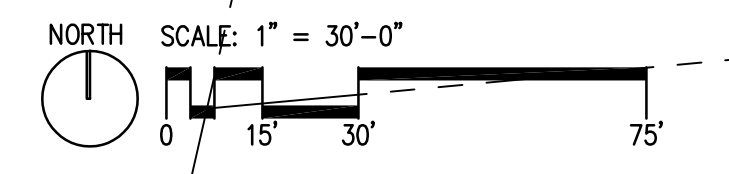
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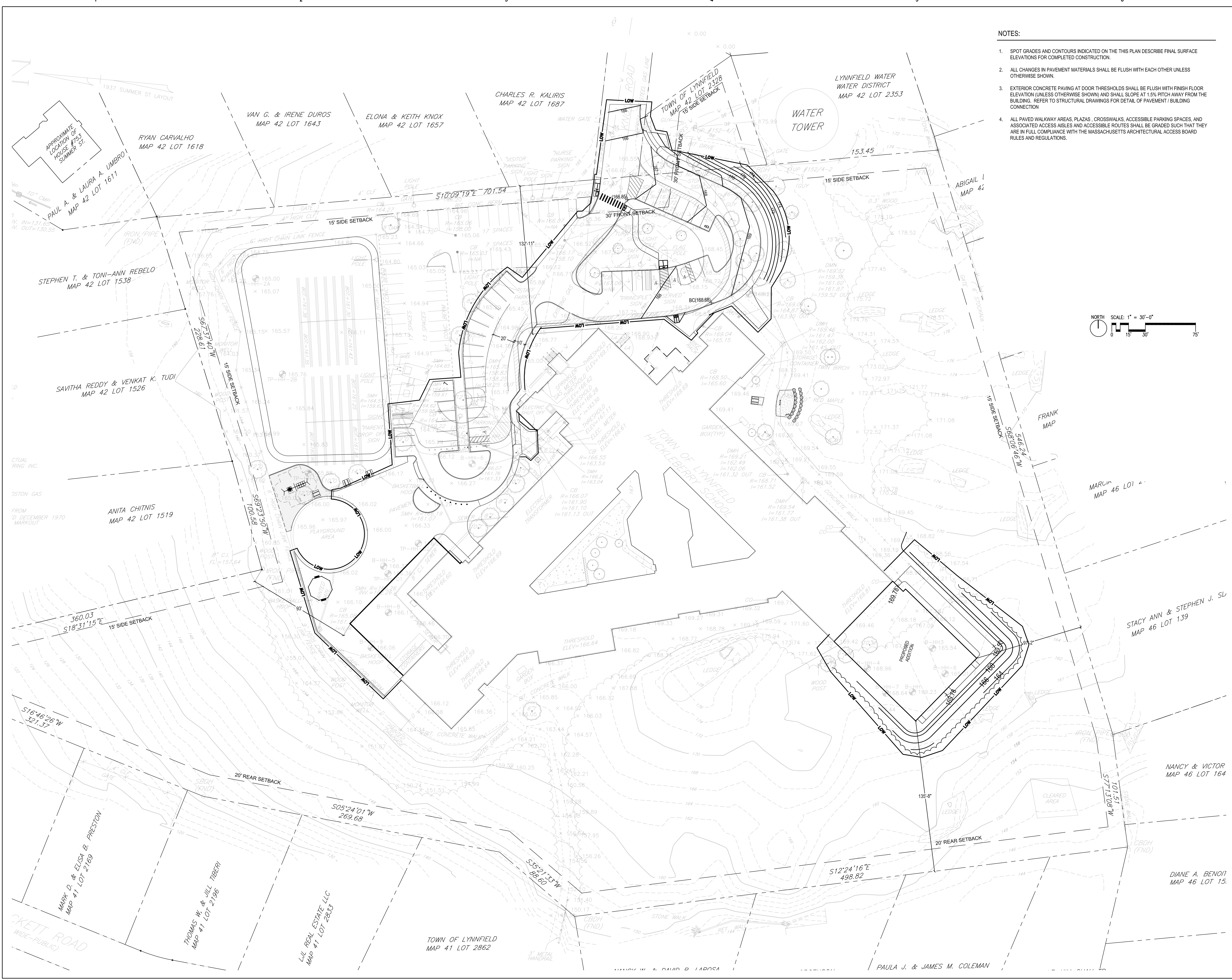
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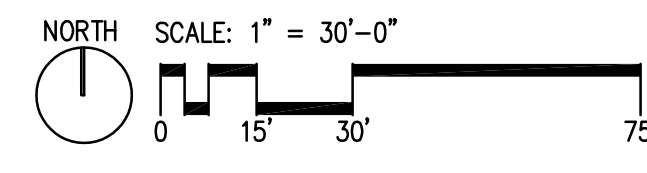
PLANTING PLAN

L300





- NOTES:
1. SPOT GRADES AND CONTOURS INDICATED ON THIS PLAN DESCRIBE FINAL SURFACE ELEVATIONS FOR COMPLETED CONSTRUCTION.
 2. ALL CHANGES IN PAVEMENT MATERIALS SHALL BE FLUSH WITH EACH OTHER UNLESS OTHERWISE SHOWN.
 3. EXTERIOR CONCRETE PAVING AT DOOR THRESHOLDS SHALL BE FLUSH WITH FINISH FLOOR ELEVATION (UNLESS OTHERWISE SHOWN) AND SHALL SLOPE AT 1.5% PITCH AWAY FROM THE BUILDING. REFER TO STRUCTURAL DRAWINGS FOR DETAIL OF PAVEMENT / BUILDING CONNECTION.
 4. ALL PAVED WALKWAY AREAS, PLAZAS, CROSSWALKS, ACCESSIBLE PARKING SPACES, AND ASSOCIATED ACCESSIBLE AREAS AND ACCESSIBLE ROUTES SHALL BE GRADED SUCH THAT THEY ARE IN FULL COMPLIANCE WITH THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD RULES AND REGULATIONS.



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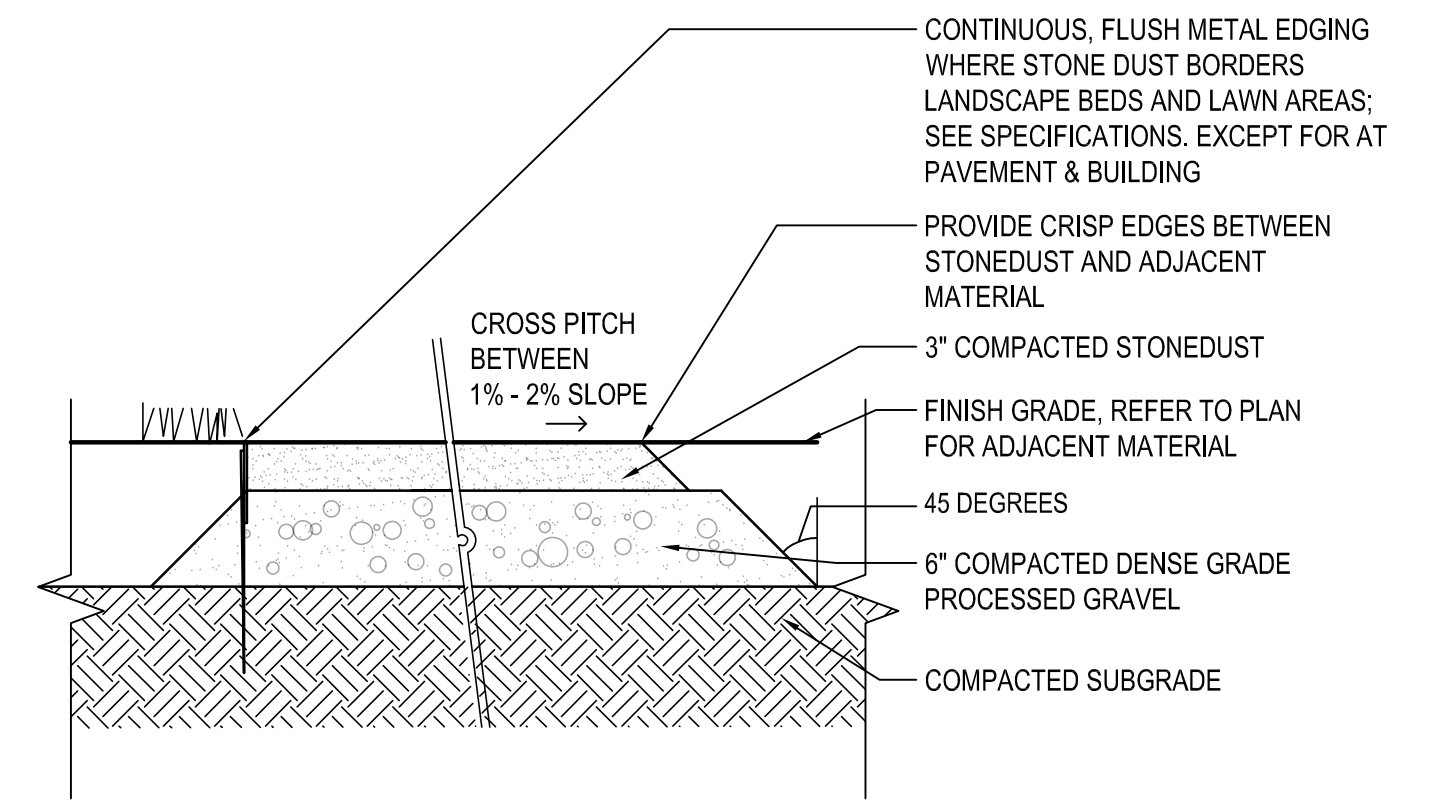
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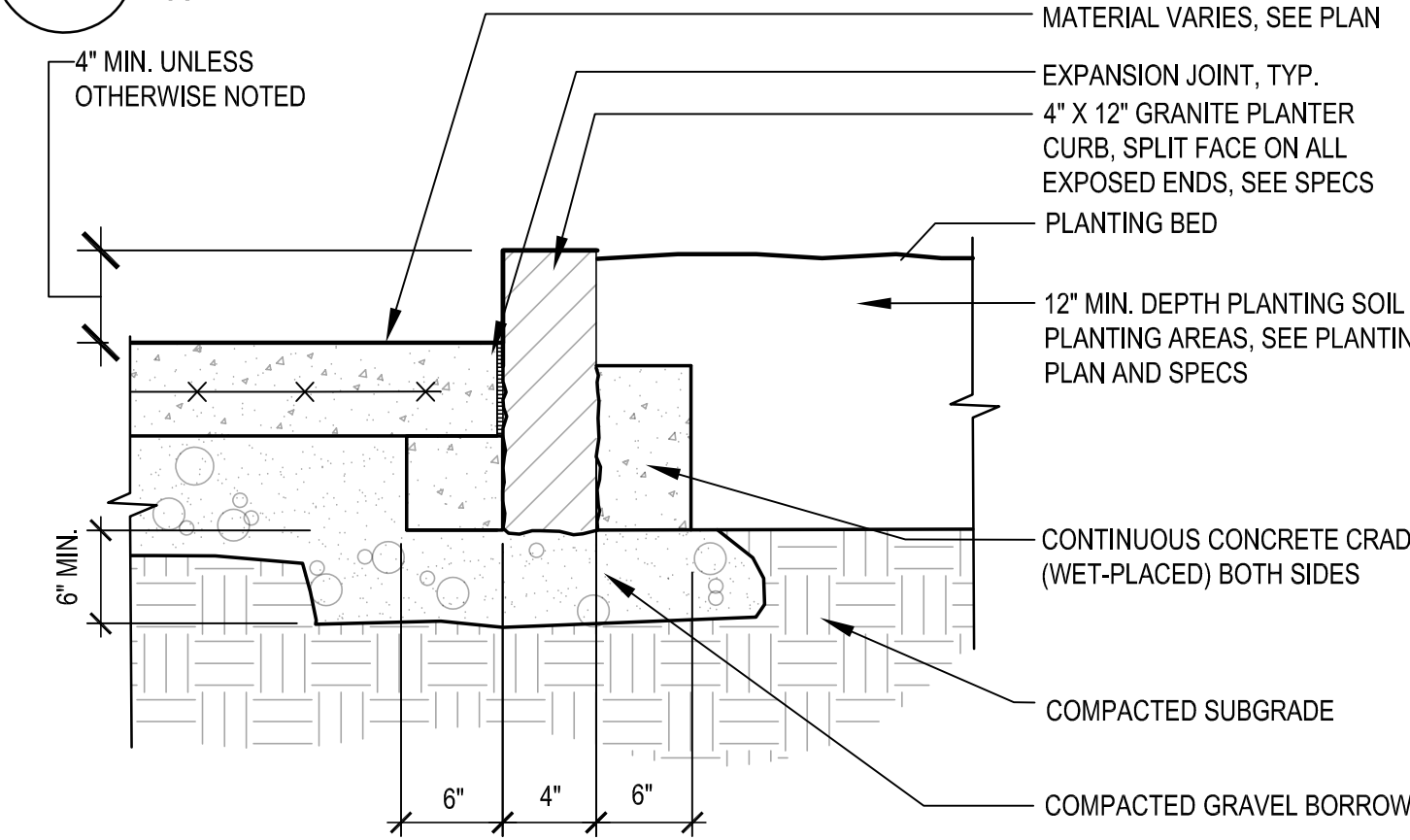
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GRADING PLAN

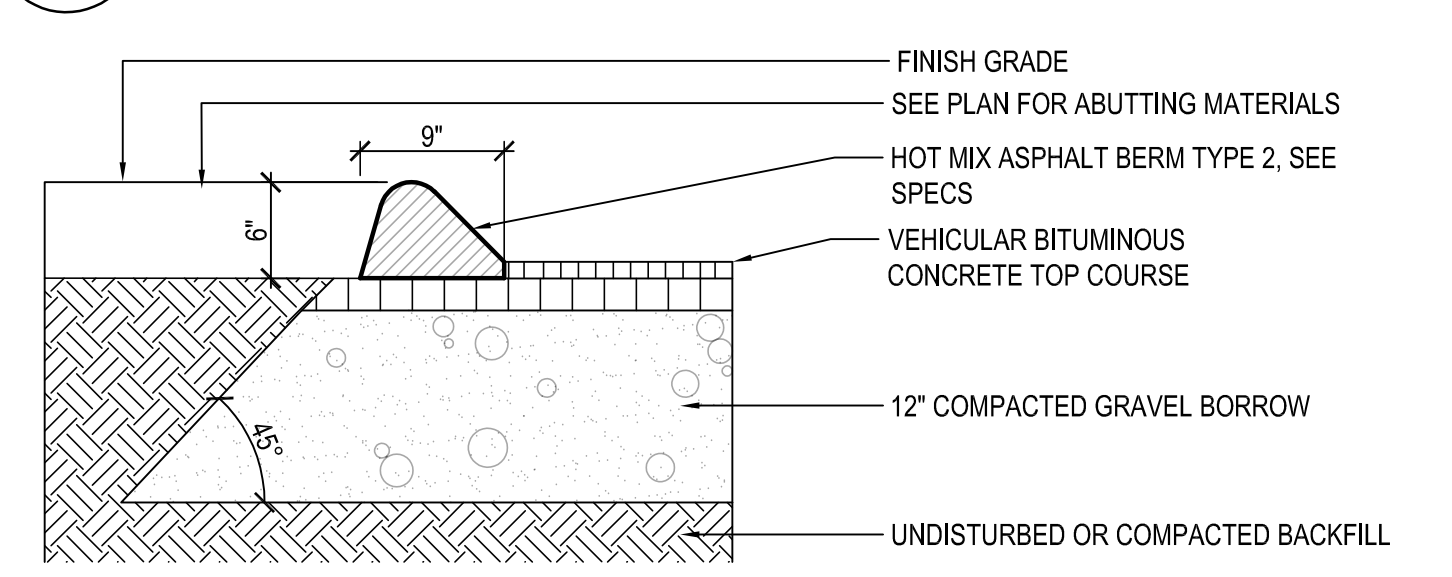
L400



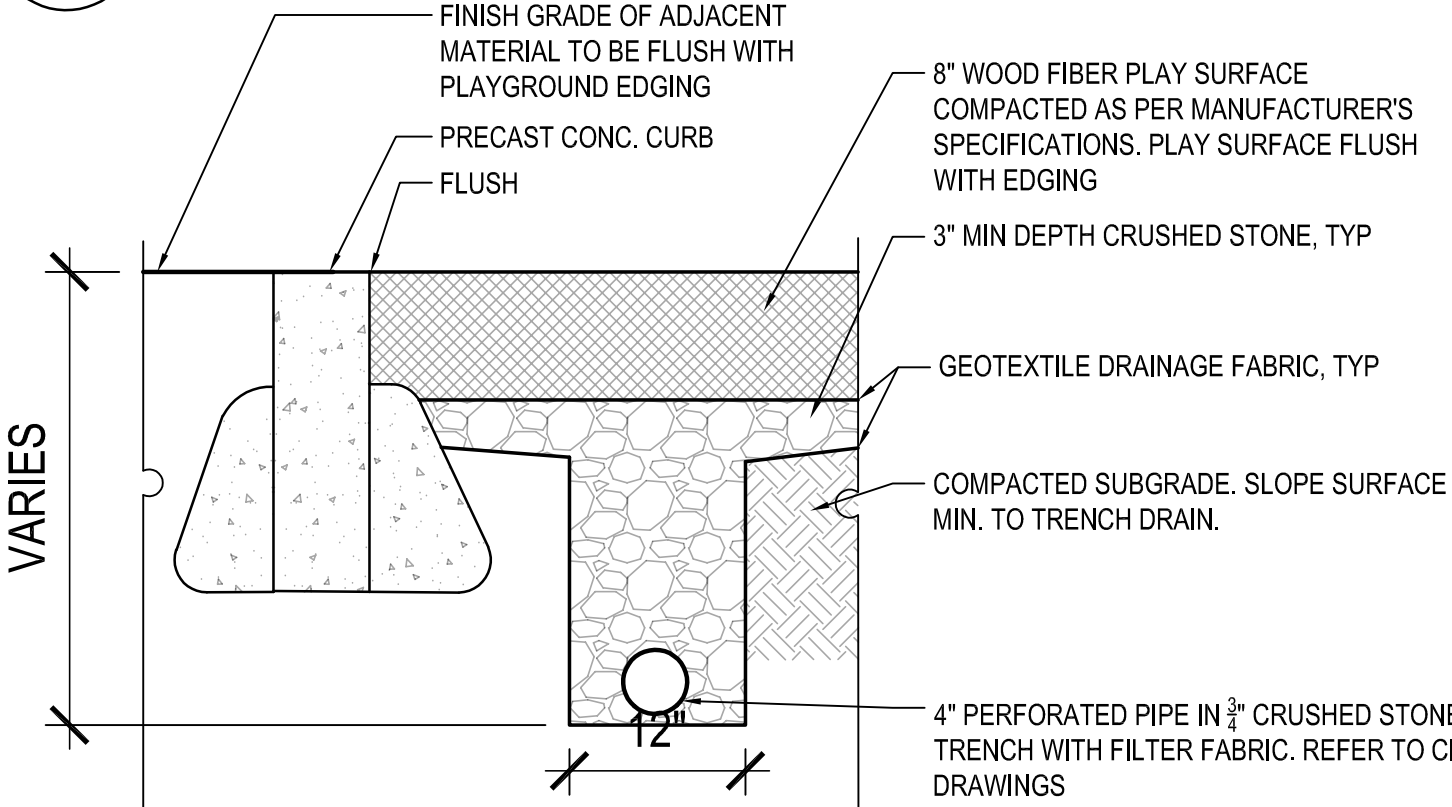
16 STABILIZED STONEDUST
SCALE: 1" = 1'-0"



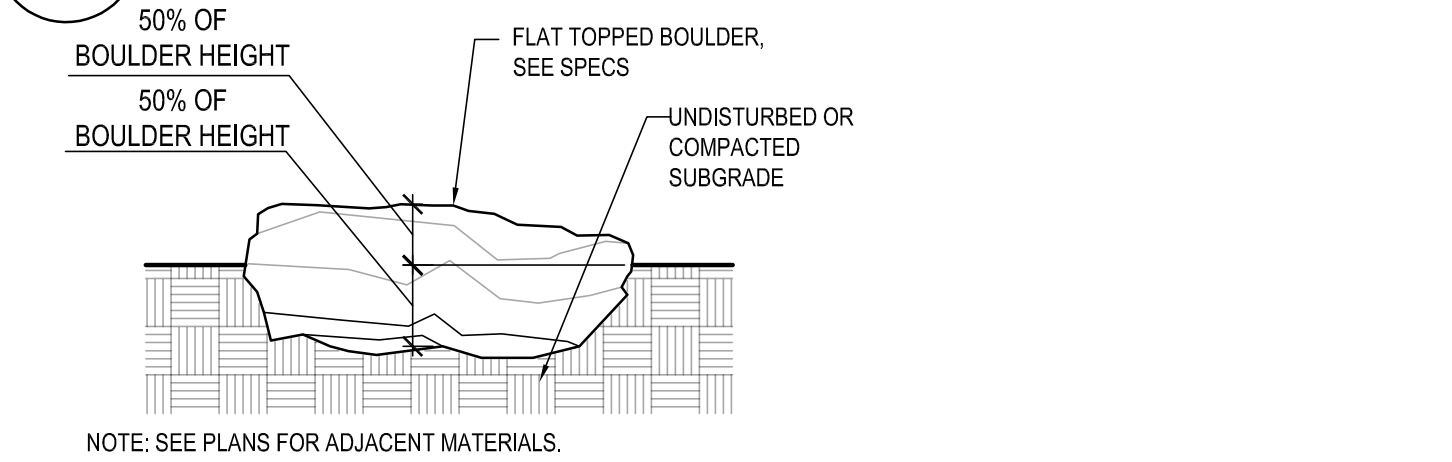
17 GRANITE PLANTER CURB
SCALE: 1" = 1'-0"



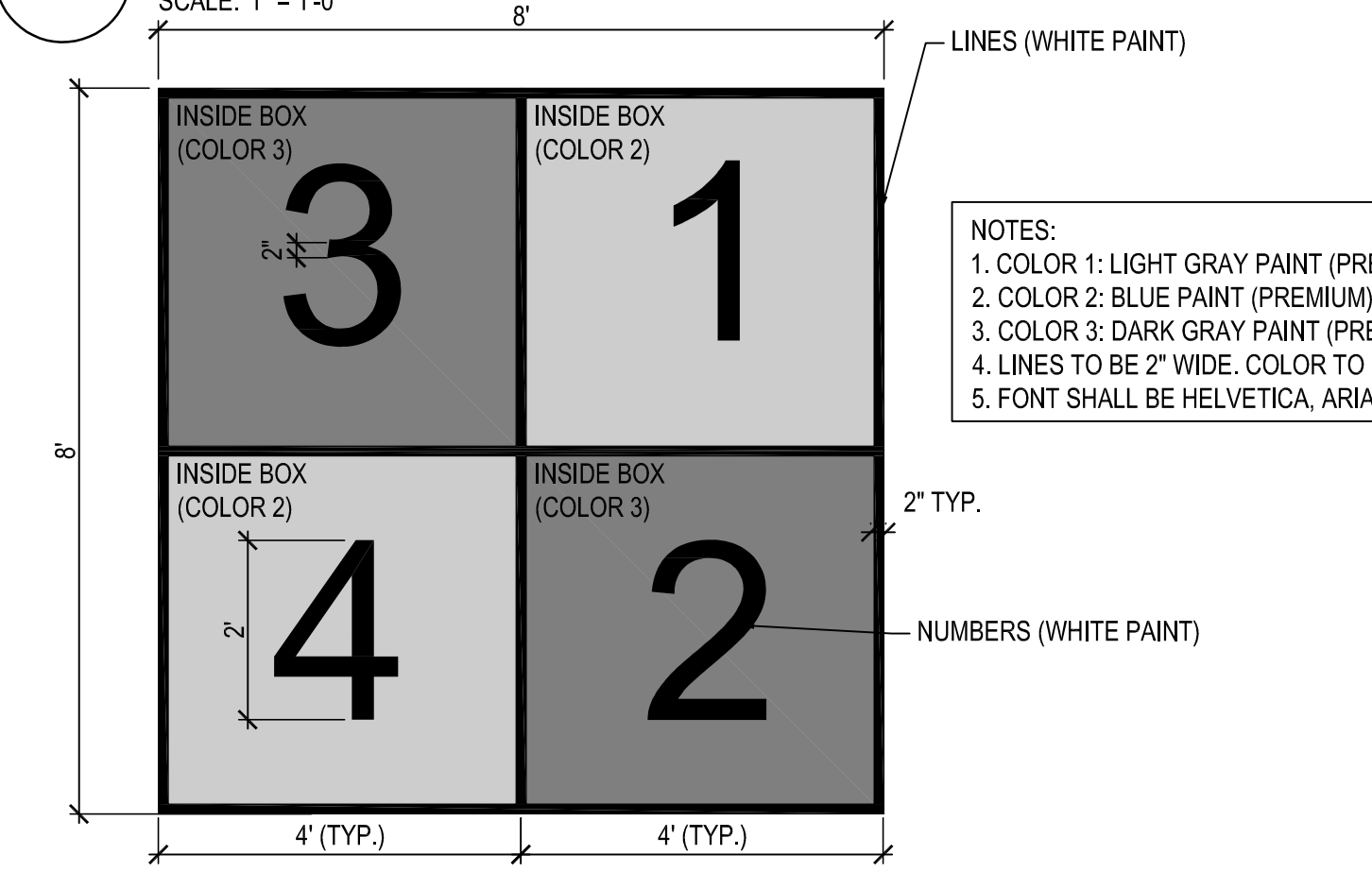
18 CAPE COD BITUMINOUS CONCRETE BERM
SCALE: 1" = 1'-0"



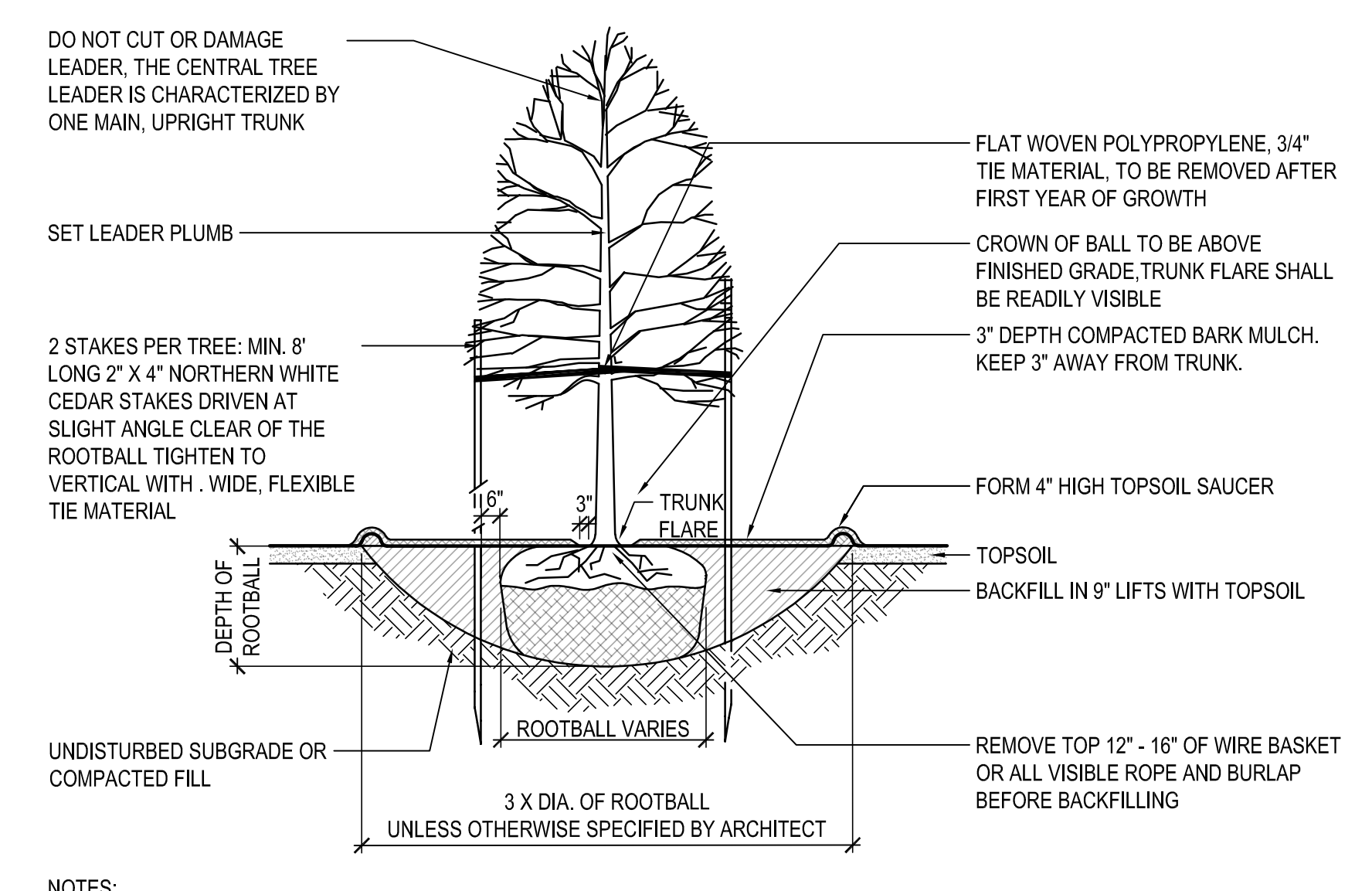
19 WOOD FIBER SAFETY SURFACING
SCALE: 1" = 1'-0"



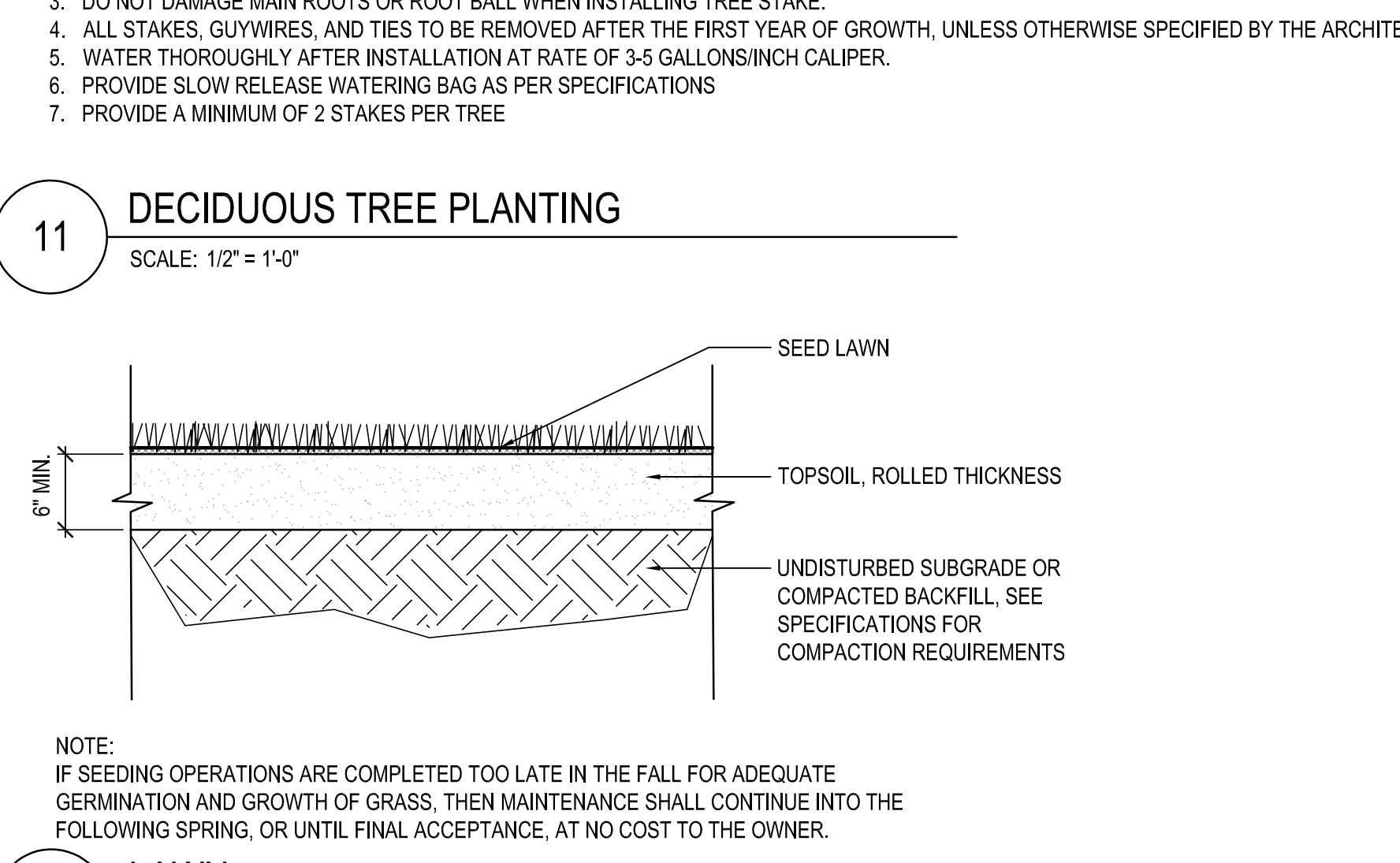
20 STEPPING STONE
SCALE: 1" = 1'-0"



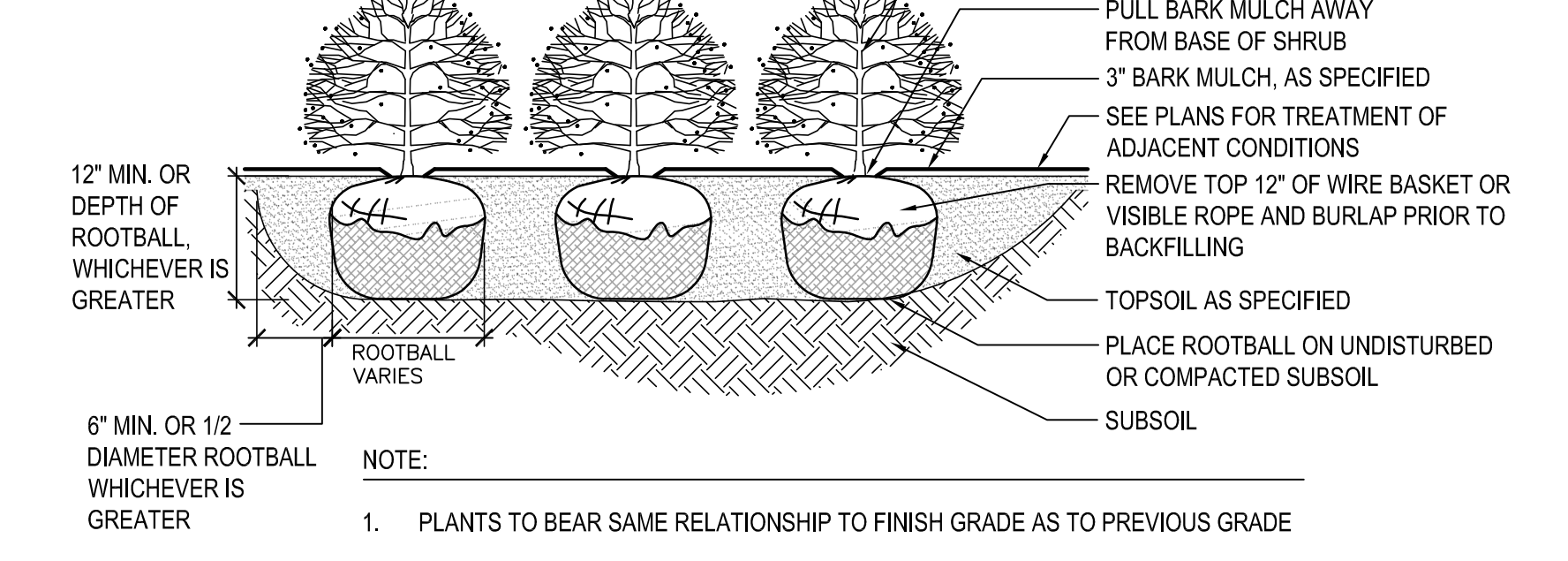
21 FOUR SQUARE
SCALE: 1/2" = 1'-0"



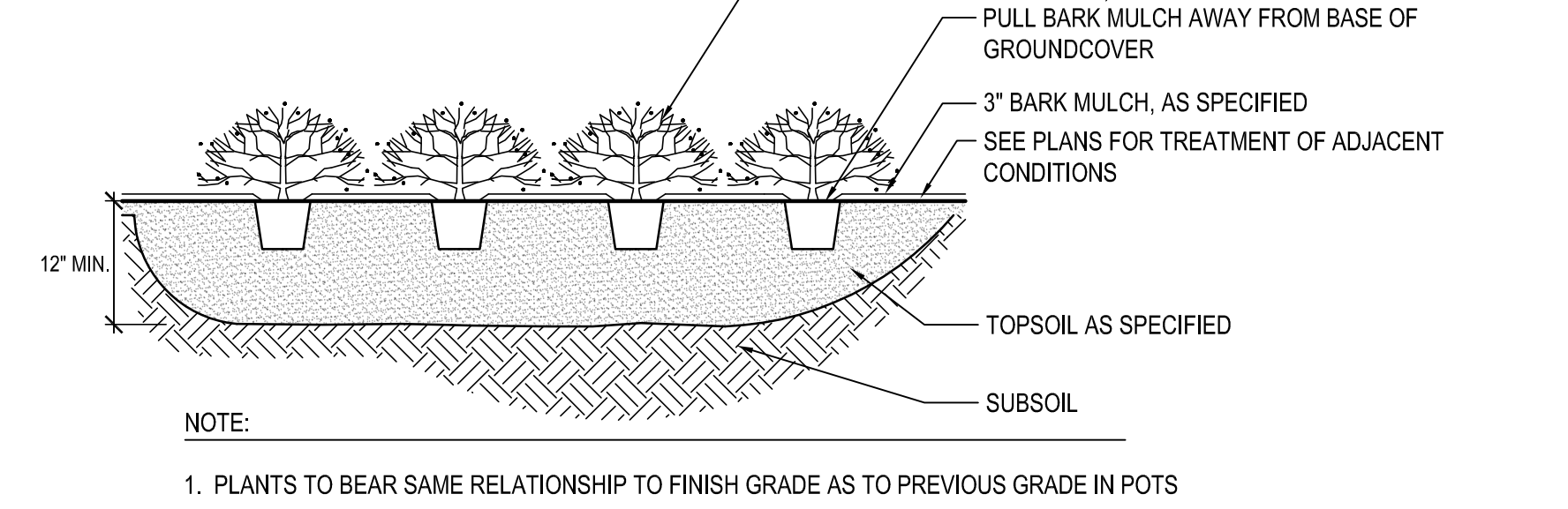
11 DECIDUOUS TREE PLANTING
SCALE: 1/2" = 1'-0"



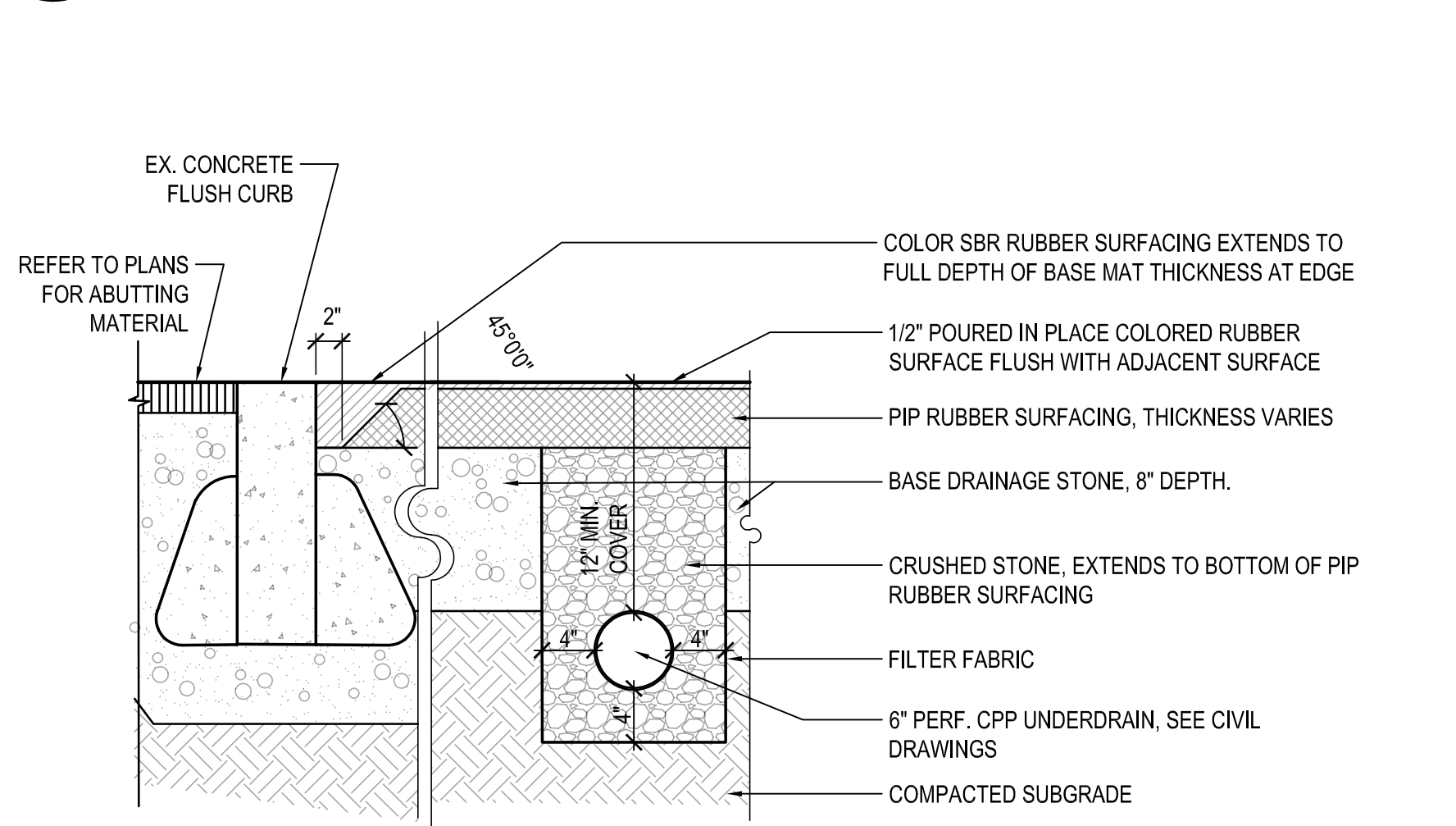
12 LAWN
SCALE: 1/2" = 1'-0"



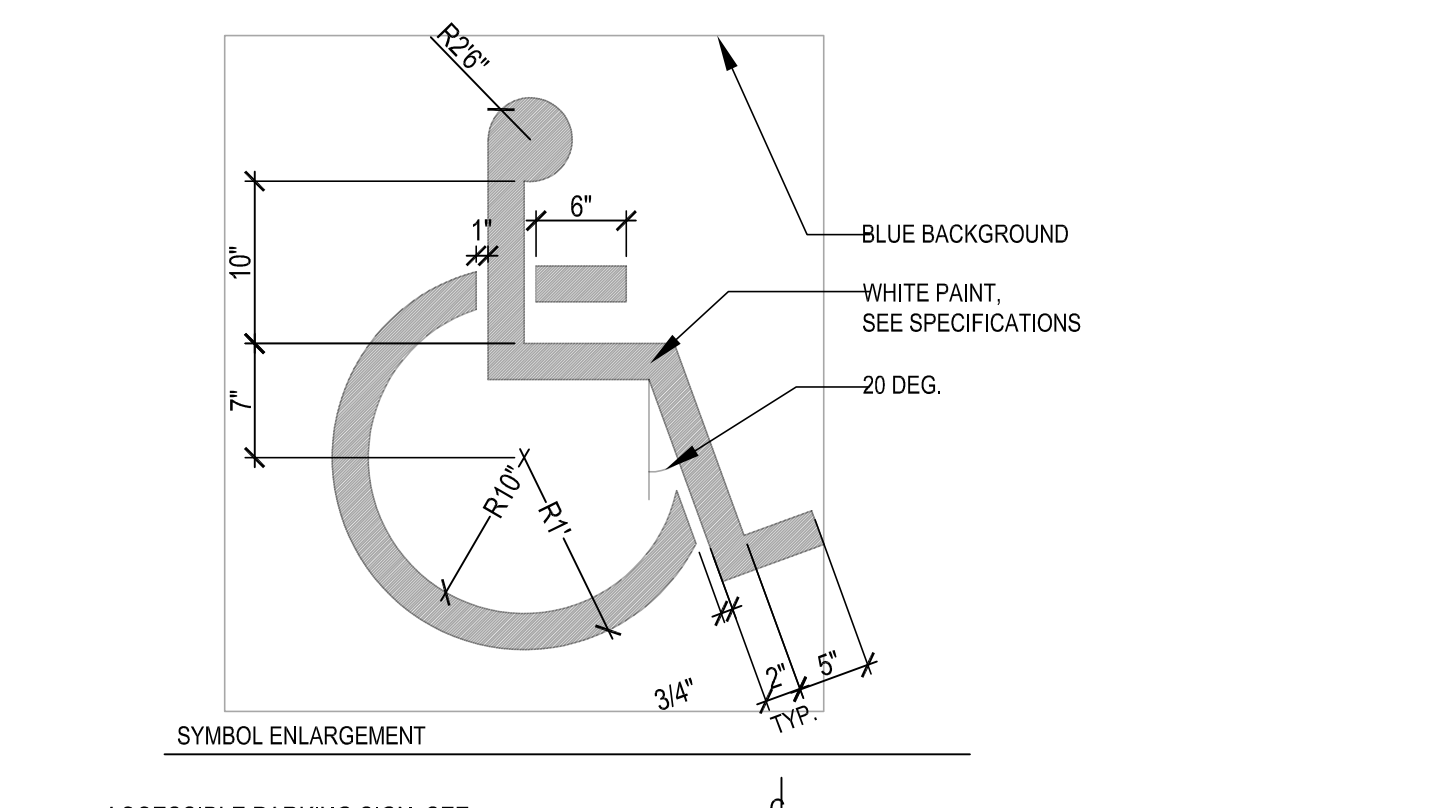
13 SHRUB PLANTING
SCALE: 1/2" = 1'-0"



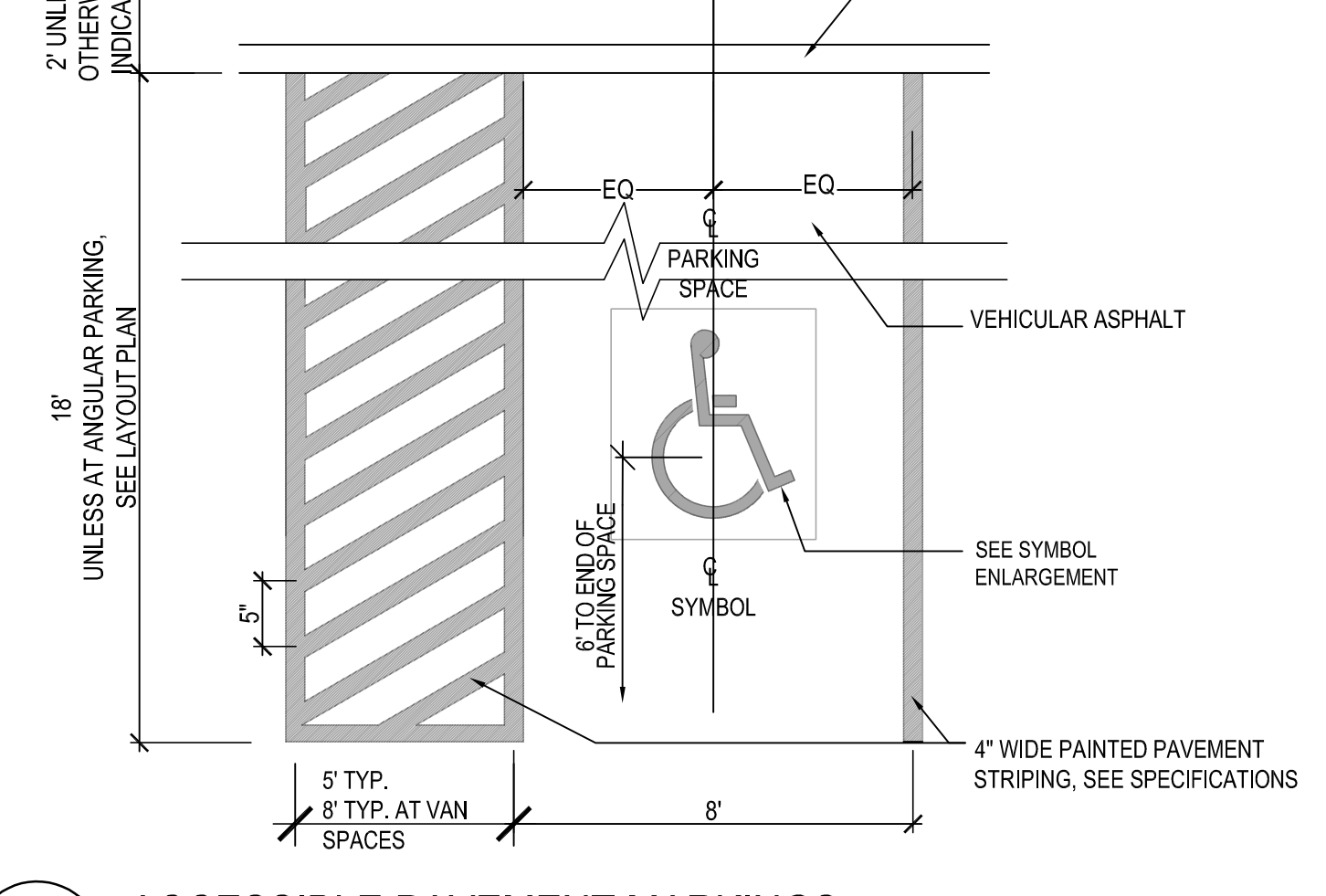
14 PERENNIALS AND GRASSES AND GROUNDCOVER PLANTING
SCALE: 1/2" = 1'-0"



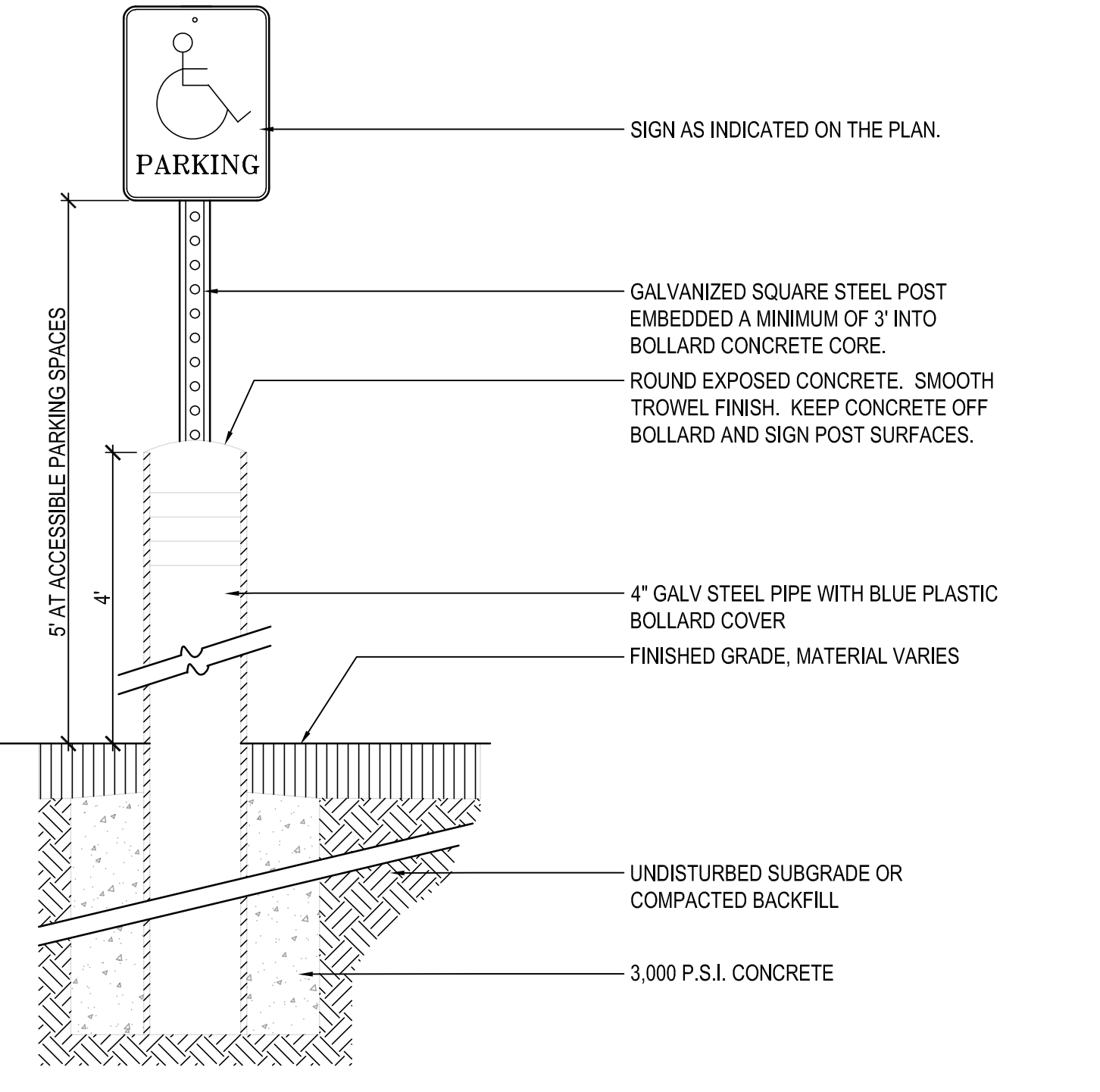
15 POUR IN PLACE
SCALE: 1" = 1'-0"



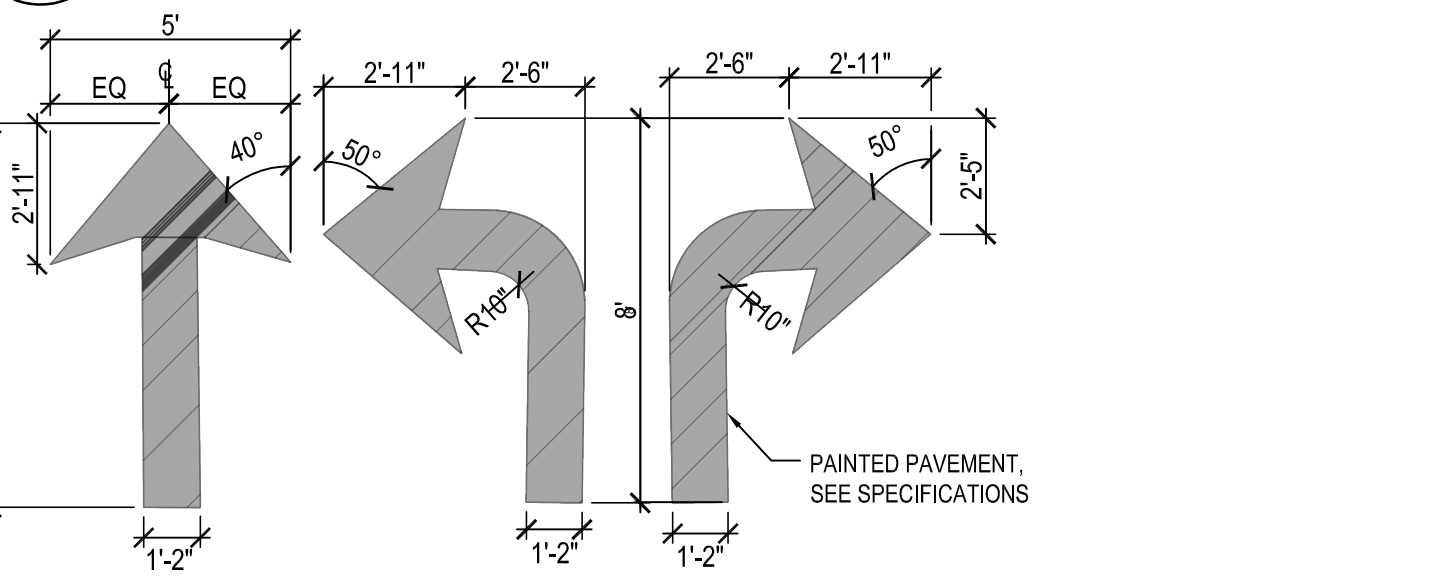
07 ACCESSIBLE PAVEMENT MARKINGS
SCALE: 1" = 1'-0"



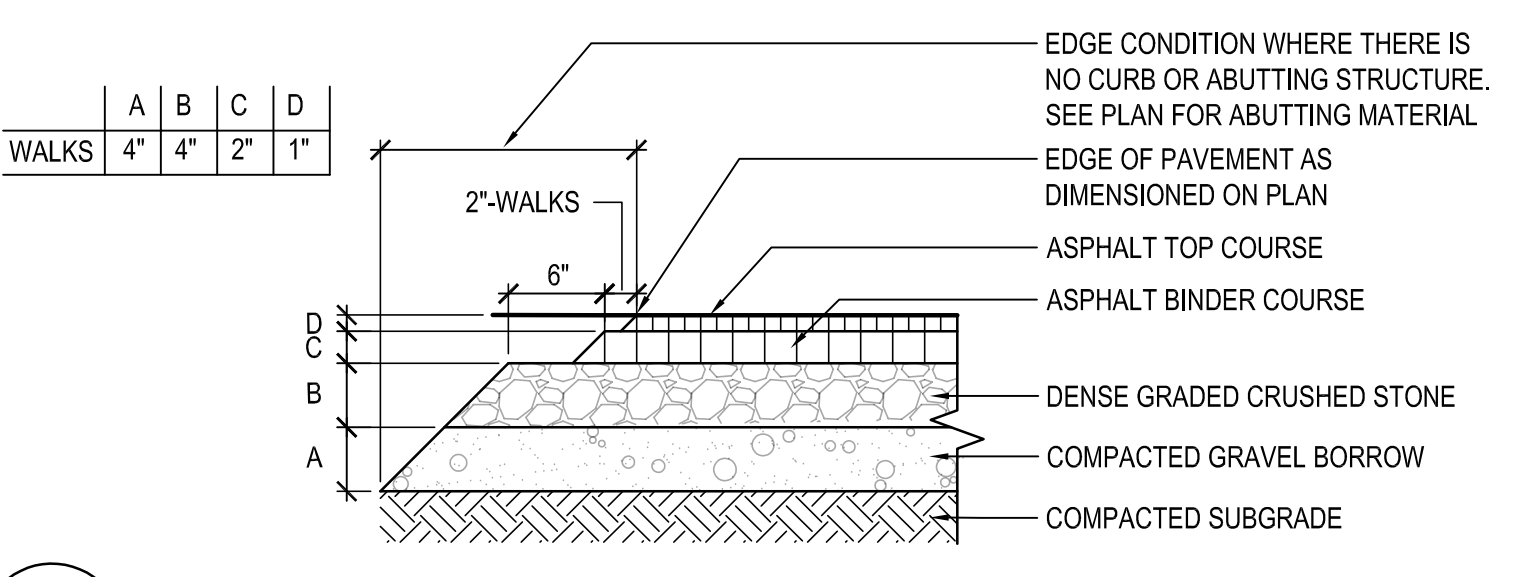
08 ACCESSIBLE PARKING SIGN
SCALE: 1" = 1'-0"



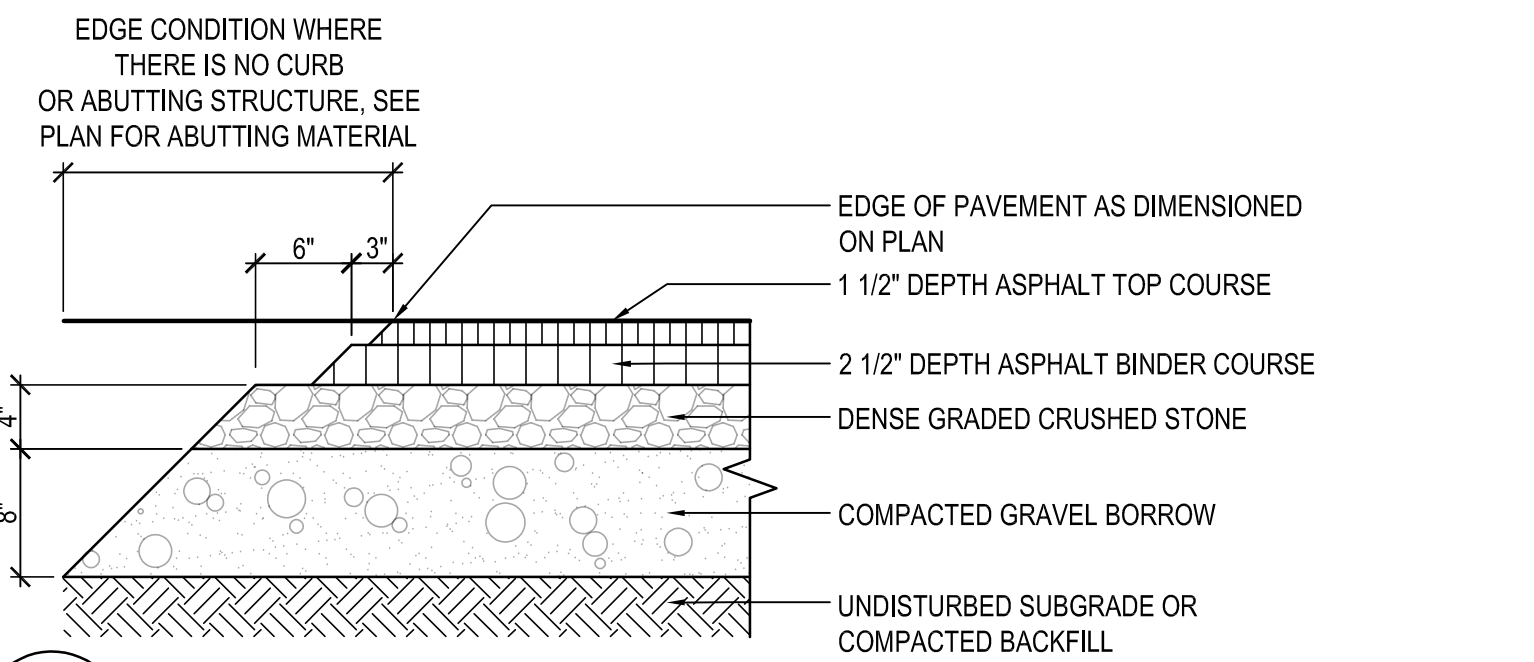
09 DIRECTIONAL PAVEMENT MARKINGS
SCALE: 1/4" = 1'-0"



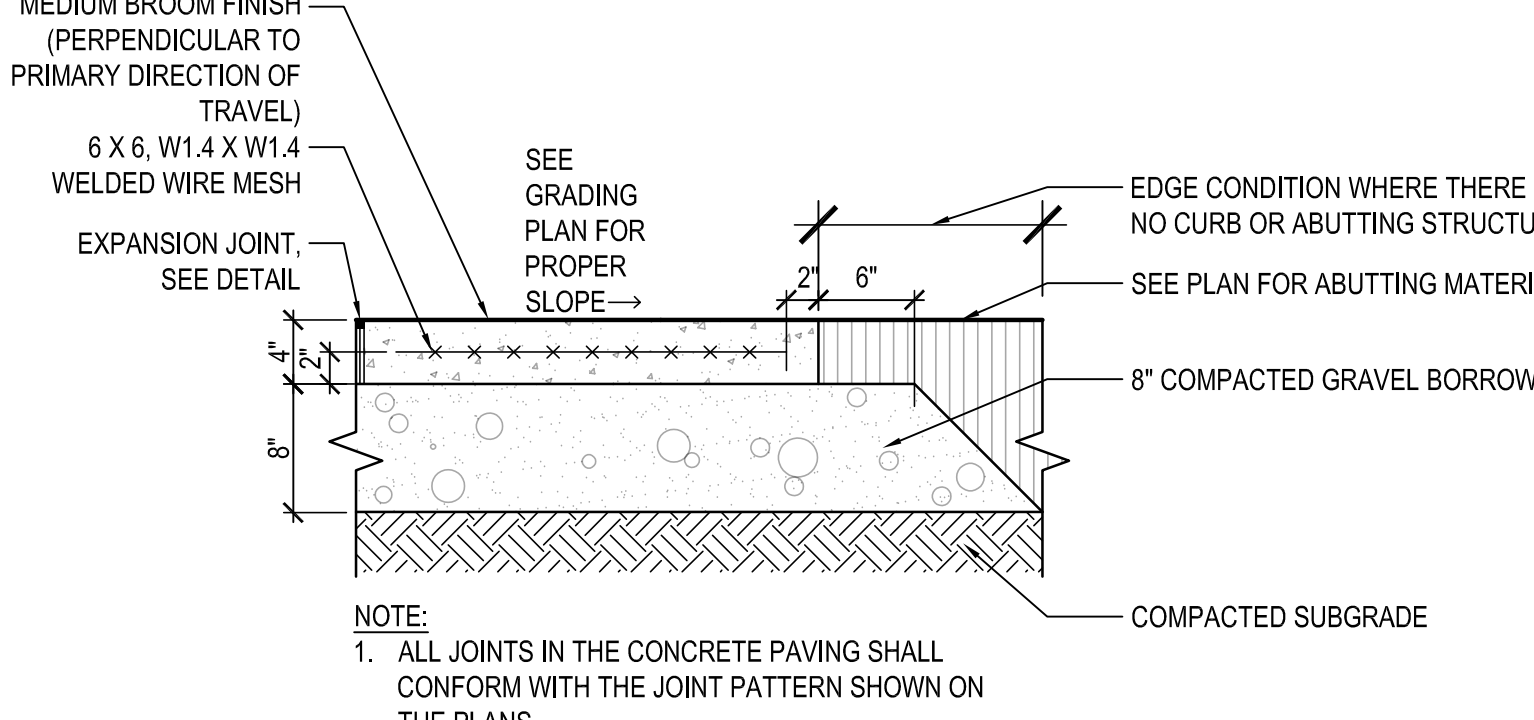
10 STOP PAVING MARKING
SCALE: 1" = 1'-0"



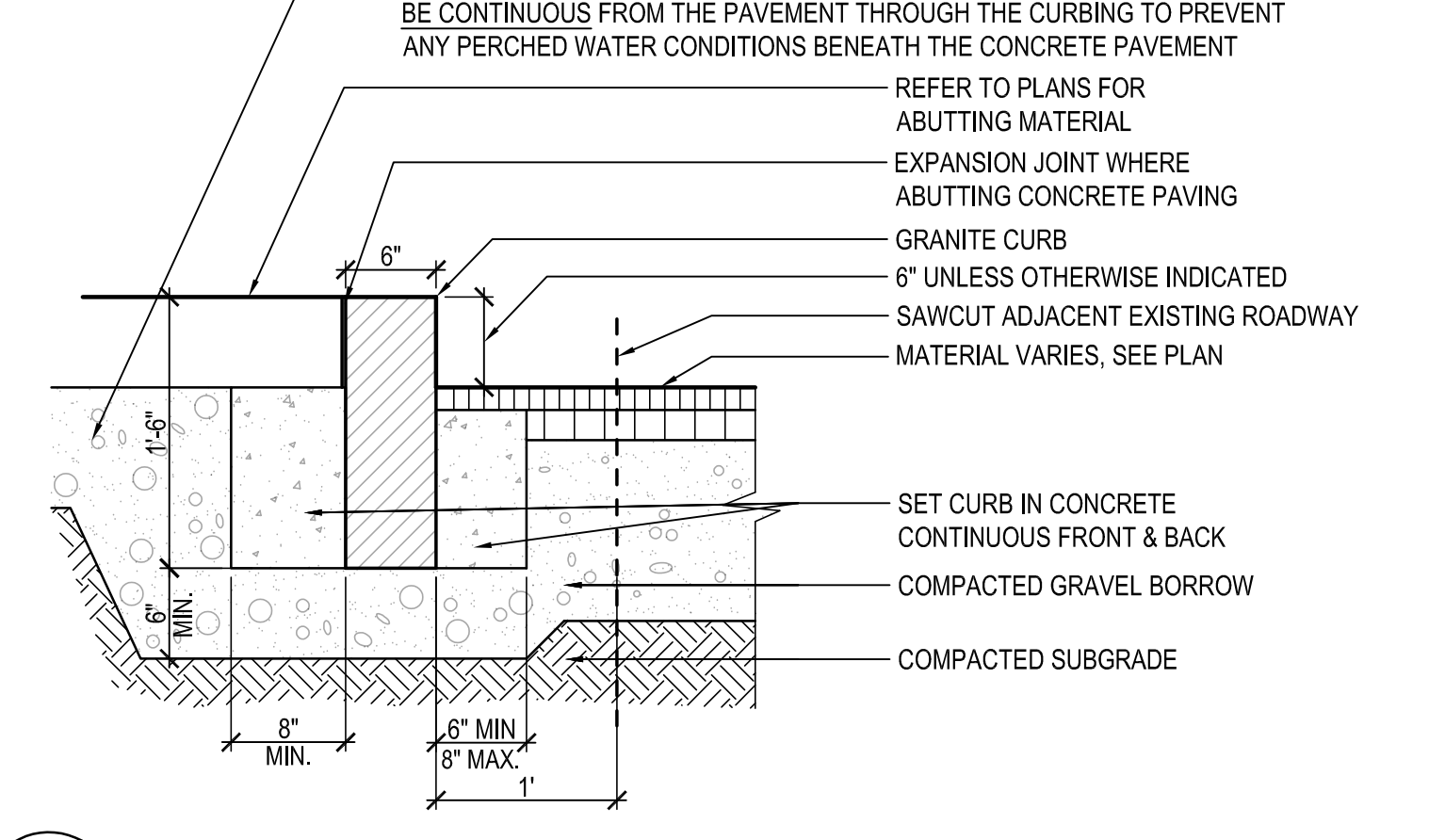
01 ASPHALT WALK
SCALE: 1" = 1'-0"



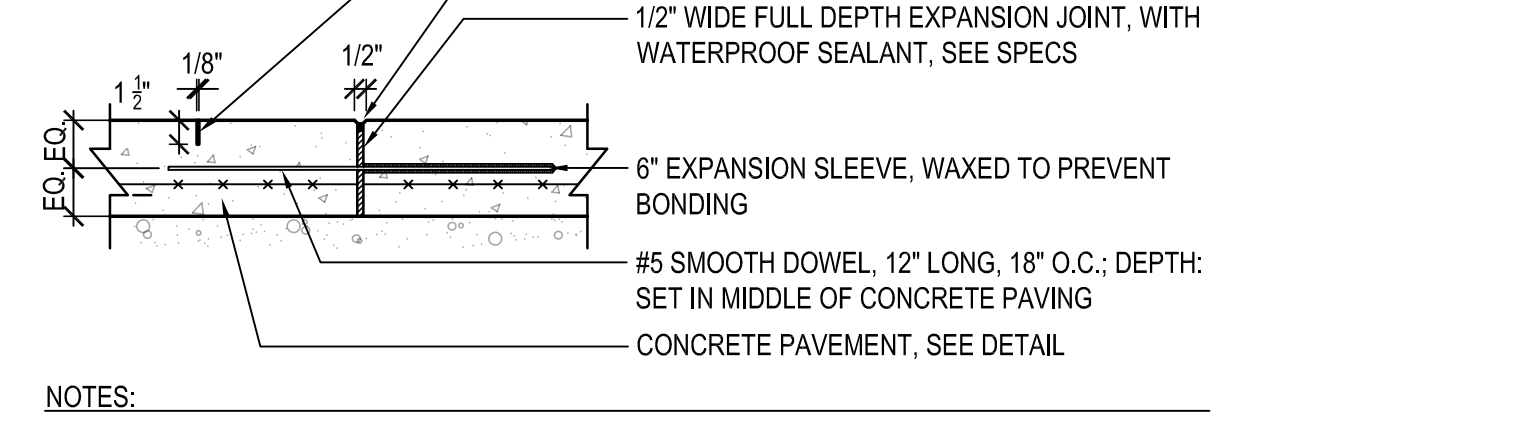
02 VEHICULAR ASPHALT PAVING
SCALE: 1" = 1'-0"



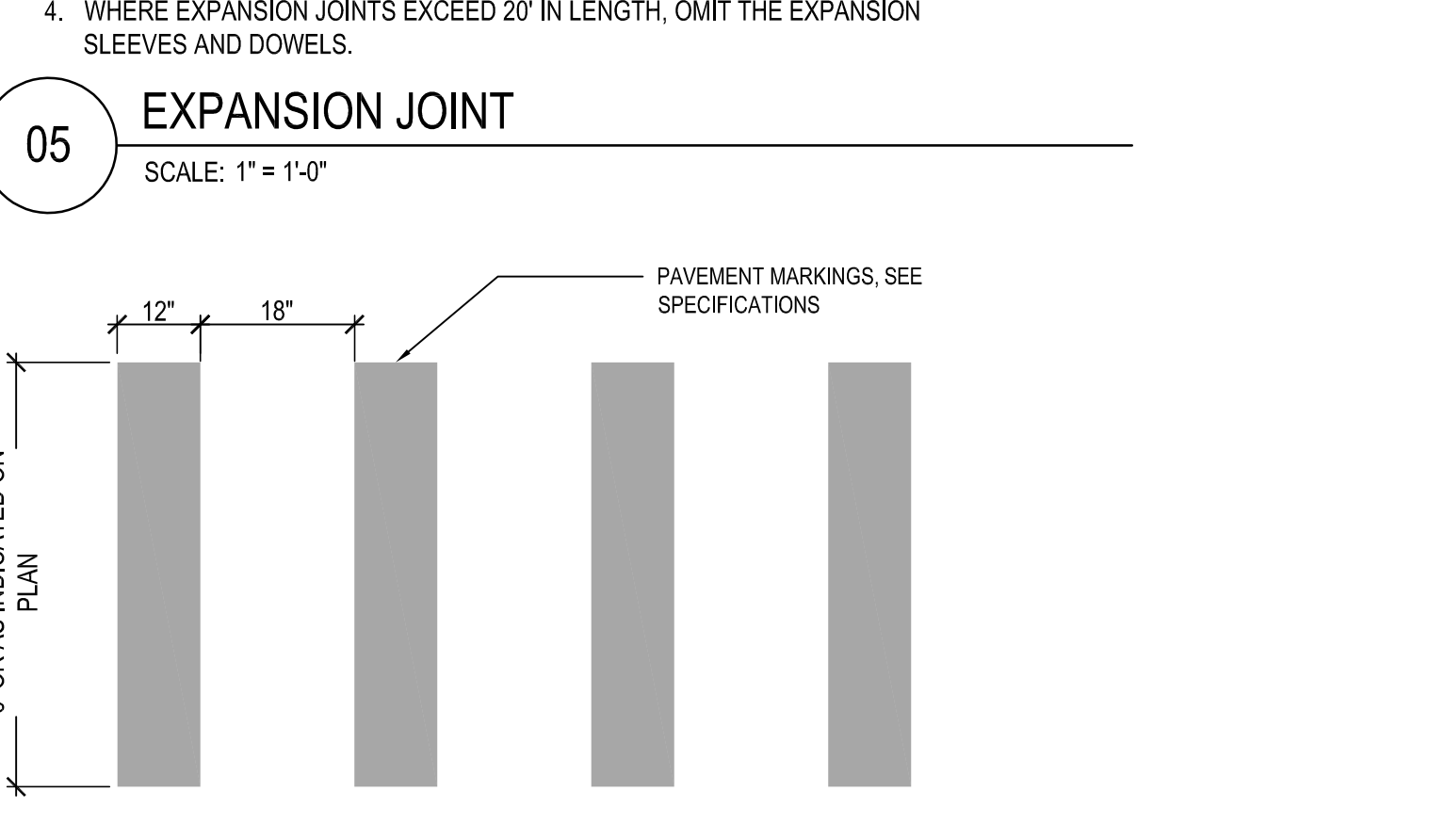
03 CONCRETE WALK
SCALE: 1" = 1'-0"



04 VERTICAL GRANITE CURB
SCALE: 1" = 1'-0"



05 EXPANSION JOINT
SCALE: 1" = 1'-0"



06 CROSSWALK PAVING MARKINGS
SCALE: 1" = 1'-0"

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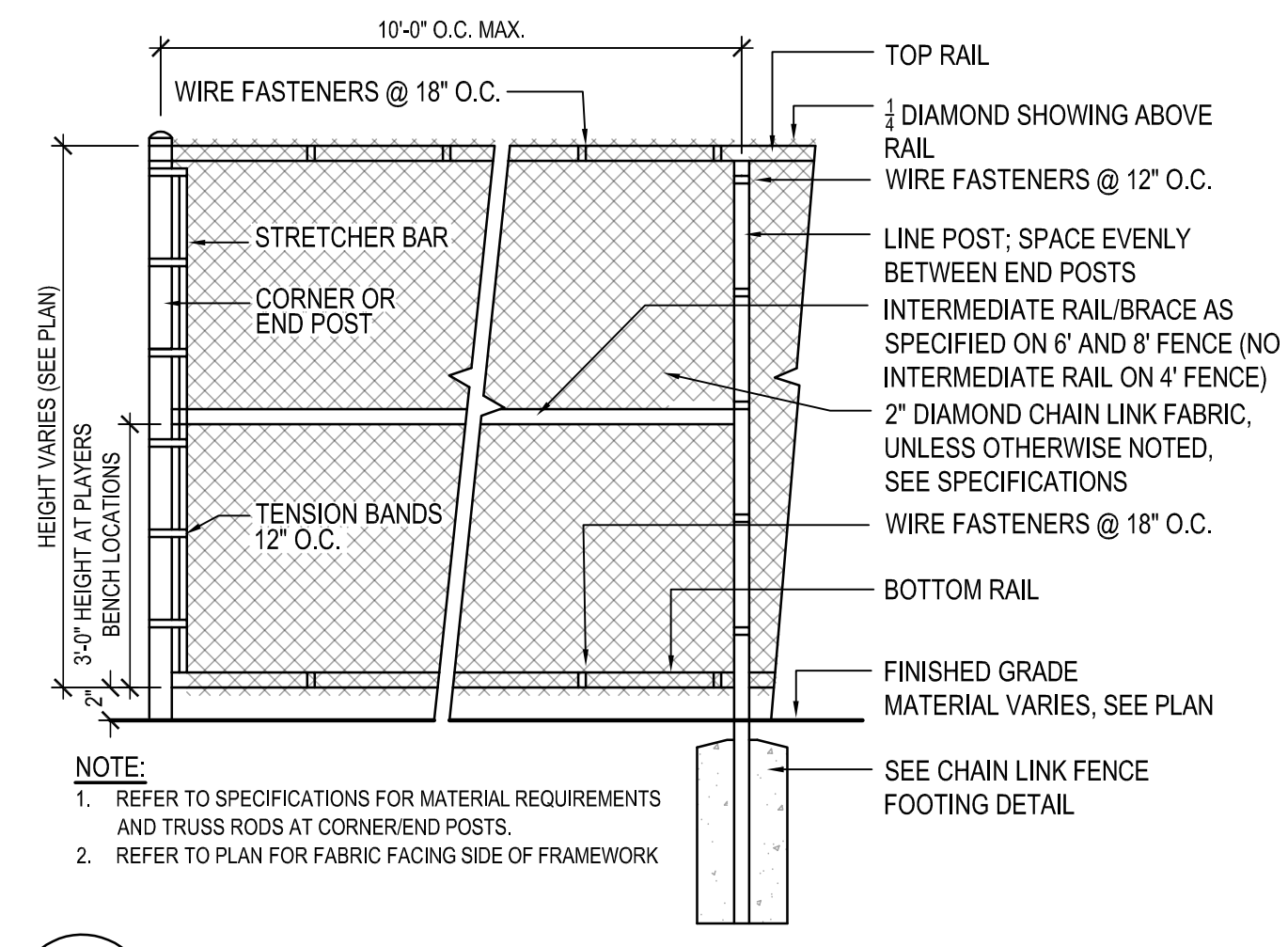
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1	03/17/21	PERMIT SET.
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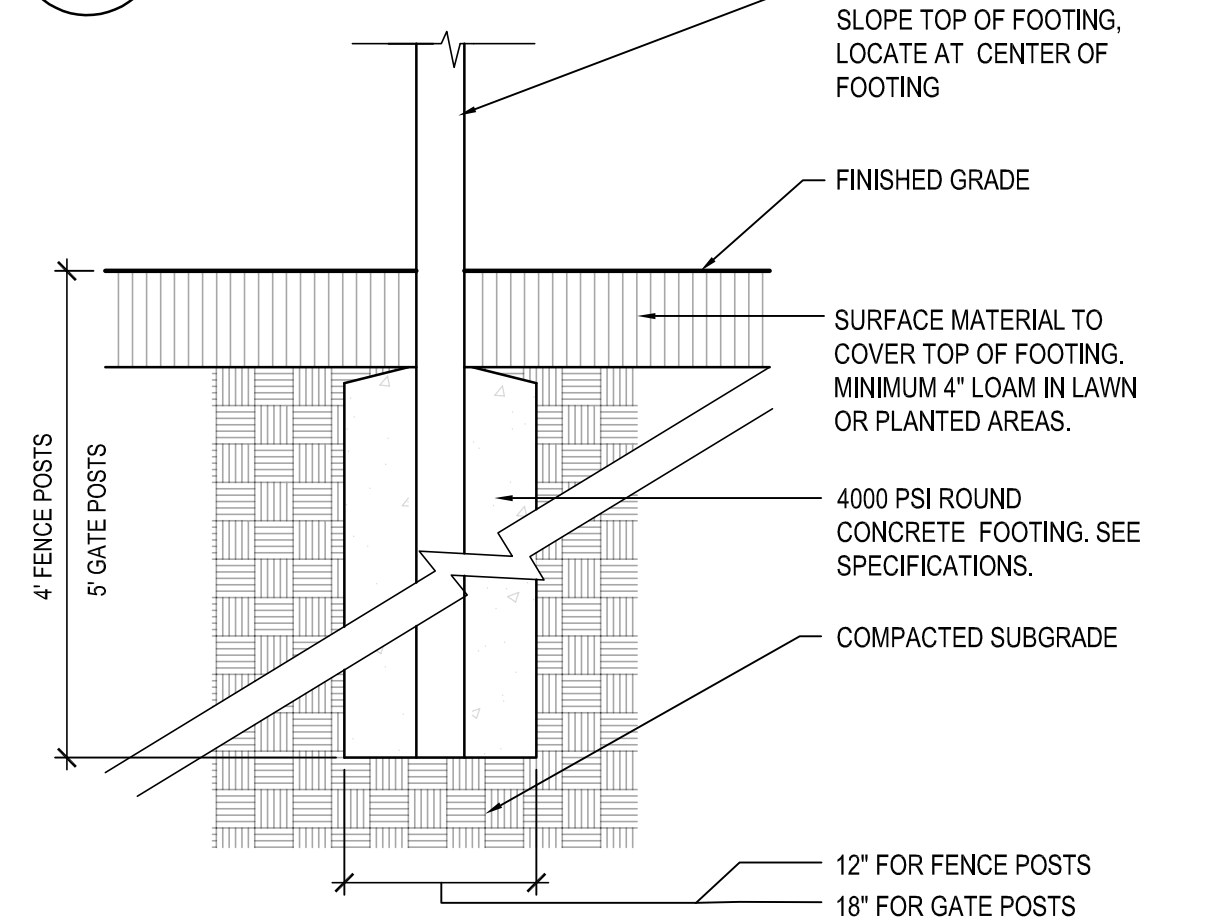
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Drawn By: MB
Checked By: TJ
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DETAILS

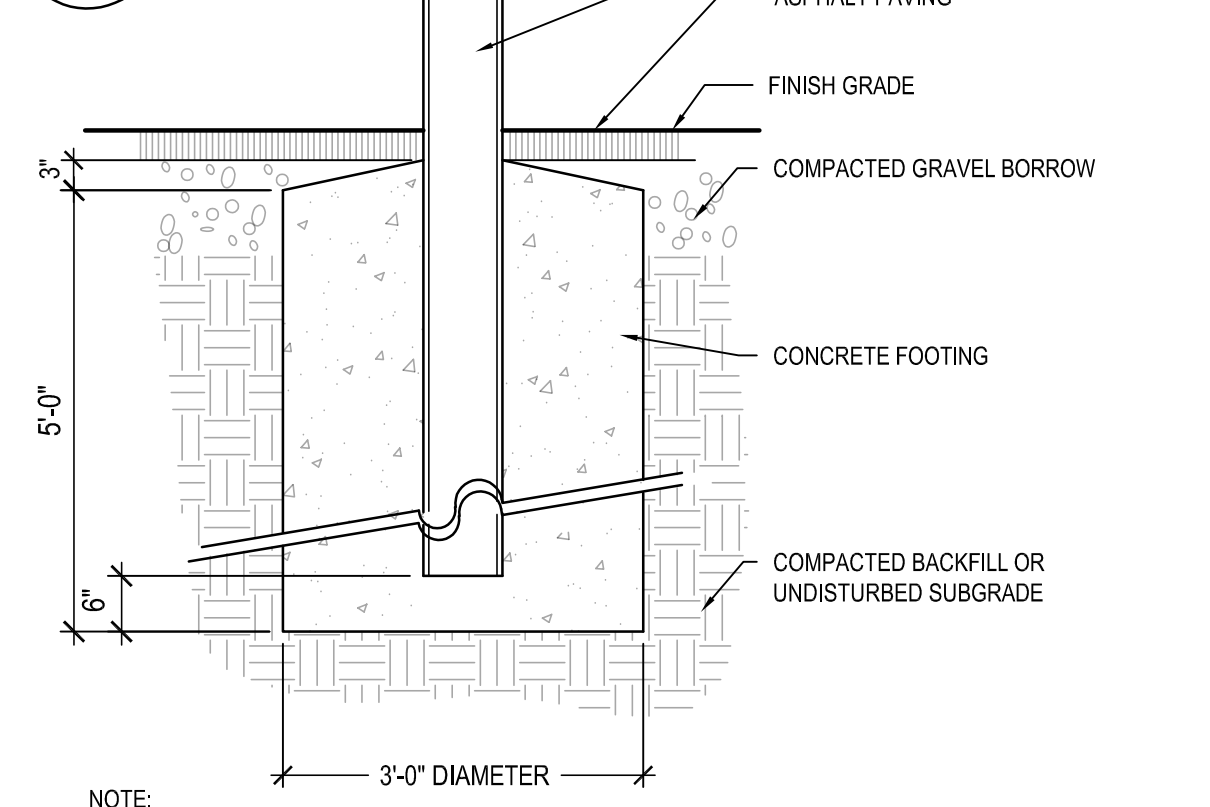
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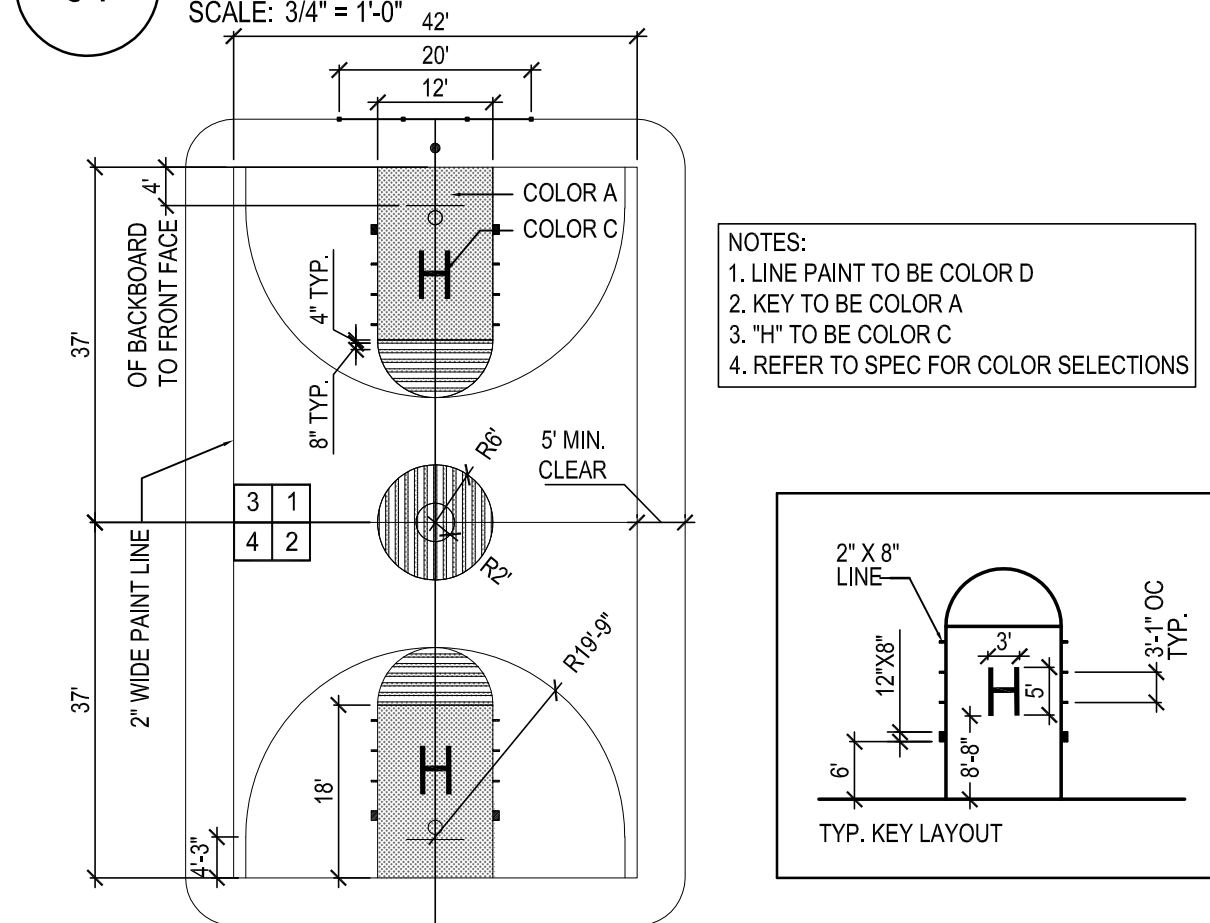
02 CHAIN LINK FENCE
SCALE: 1/2" = 1'-0"



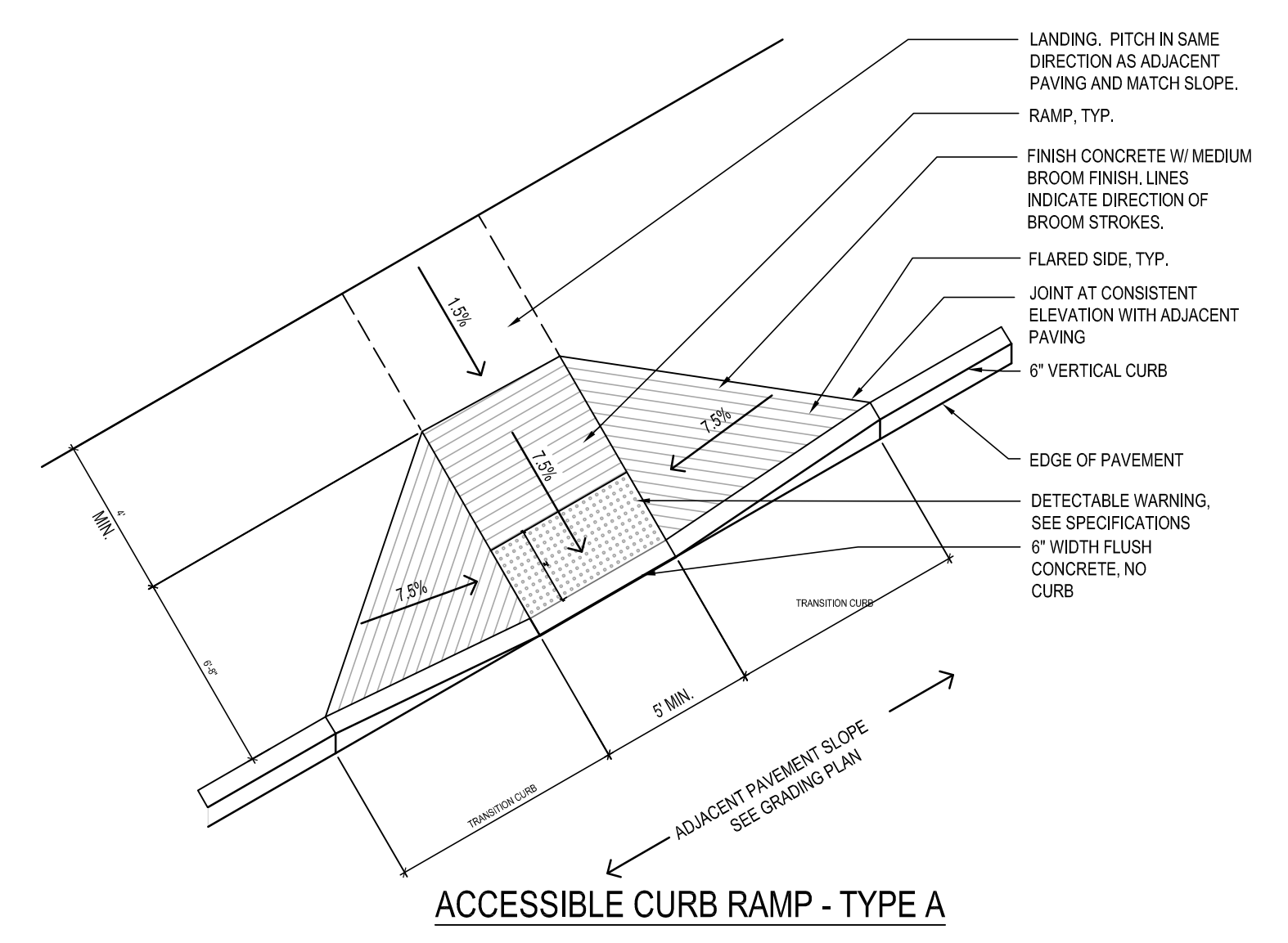
03 FENCE FOOTING
SCALE: 1" = 1'-0"



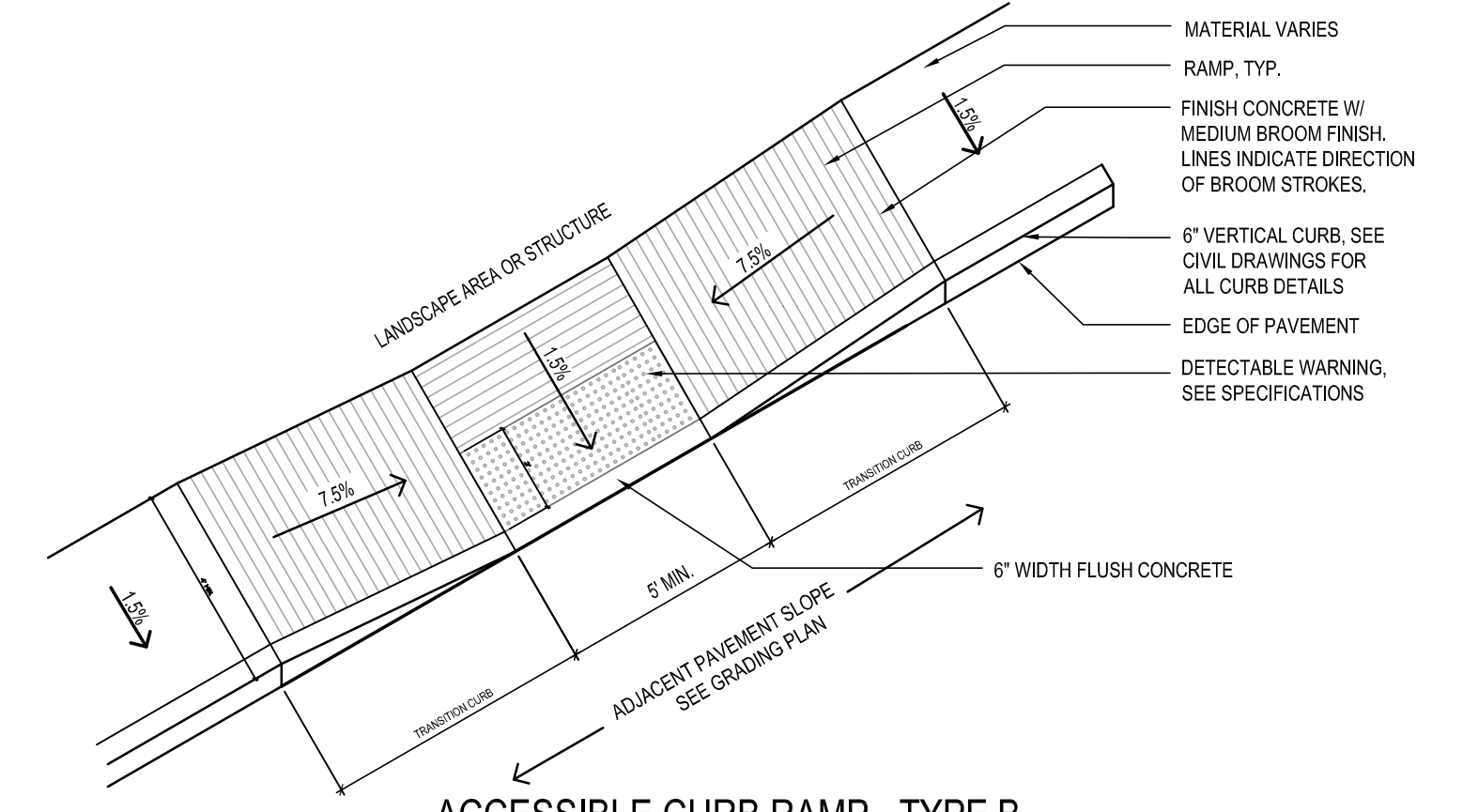
04 BASKETBALL GOAL FOOTING
SCALE: 3/4" = 1'-0"



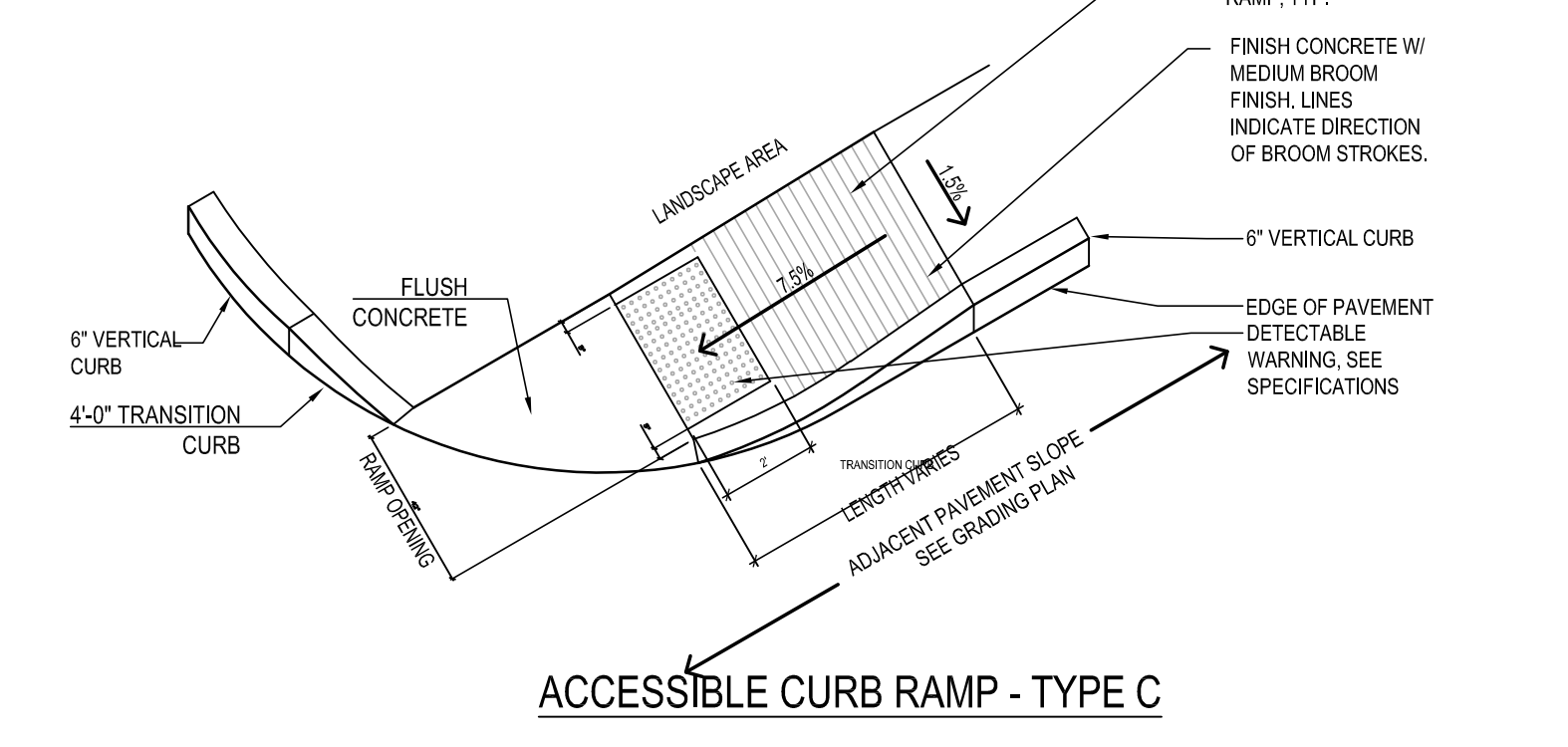
05 BASKETBALL COURT LAYOUT
SCALE: 7/16" = 1'-0"



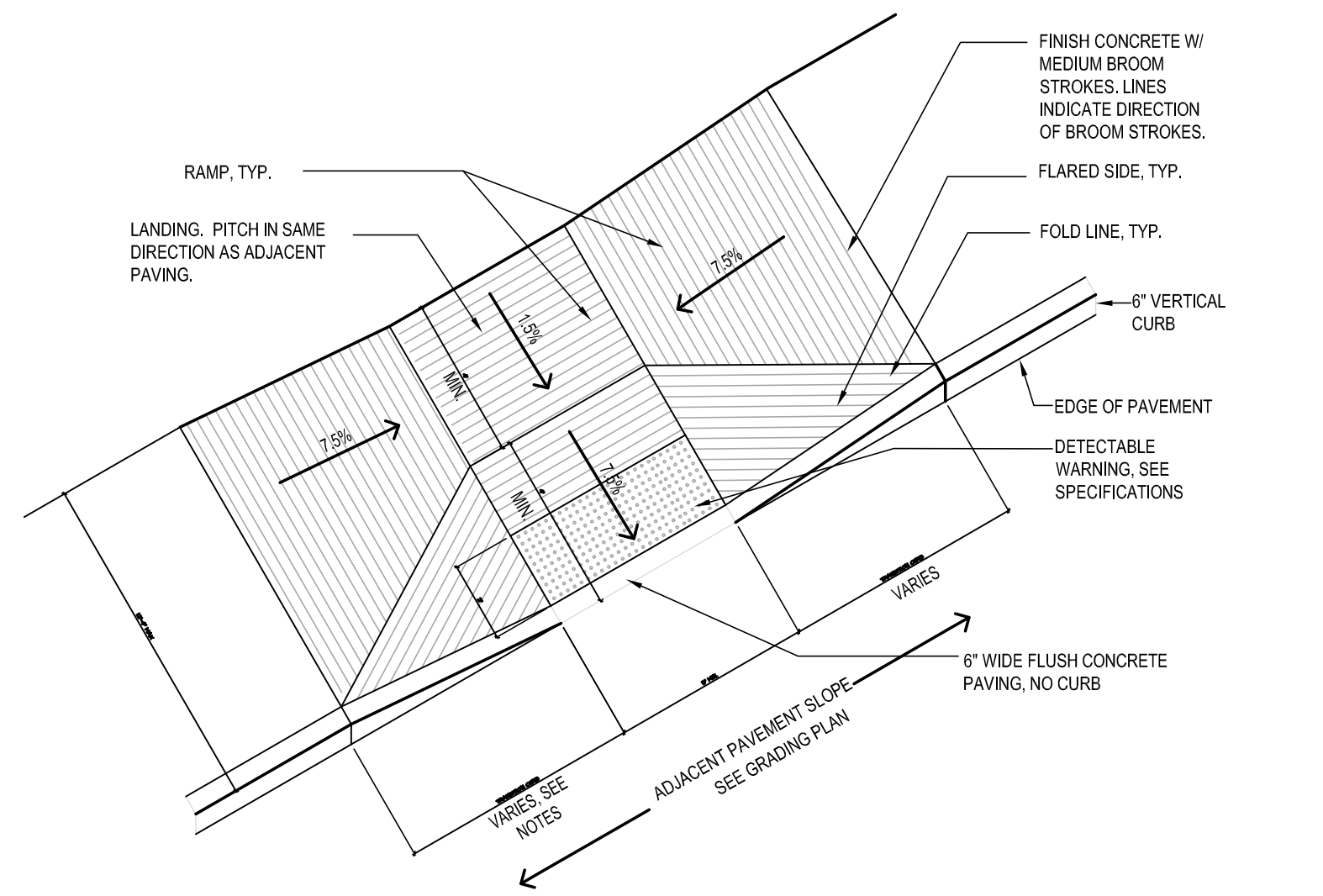
ACCESSIBLE CURB RAMP - TYPE A



ACCESSIBLE CURB RAMP - TYPE B



ACCESSIBLE CURB RAMP - TYPE C



ACCESSIBLE CURB RAMP "TYPE D"

TRANSITION CURB LENGTH CHART ON 7.5% SLOPE RAMP W/ 6" CURB REVEAL

ADJACENT PAVEMENT SLOPE	TRANSITION LENGTH UPHILL SIDE	TRANSITION LENGTH DOWNHILL SIDE
0-2%	6'-5"	6'-5"
0-1%	7'-0"	6'-5"
>1-2%	8'-0"	6'-5"
2-3%	11'-0"	6'-5"
3-4%	14'-0"	6'-5"
>4-5%	15'-0" MAX	6'-5"

- NOTES:
- CURBS AND WALKS ALONG ACCESSIBLE CURB RAMPS SHALL CONFORM TO THE APPLICABLE REGULATIONS OF THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD AND THE AMERICANS WITH DISABILITIES ACT. NON-CONFORMING WORK SHALL BE REMOVED AND REINSTALLED AT THE CONTRACTORS EXPENSE.
 - MAXIMUM SLOPE ON RAMP NOT TO EXCEED 8.0%. MAXIMUM CROSS SLOPE PERPENDICULAR TO RAMP NOT TO EXCEED 1.8%.
 - MAXIMUM SLOPE ON LANDING NOT TO EXCEED 1.8%. MINIMUM SLOPE ON LANDING NOT TO BE LESS THAN 1%.
 - MAXIMUM TRANSITION CURB AND FLARED SIDE SLOPES NOT TO EXCEED 8.0%. MINIMUM TRANSITION CURB AND FLARED SIDE SLOPE NOT TO BE LESS THAN 7%.
 - SOME ACCESSIBLE CURB CUT CONFIGURATIONS INDICATED MAY REQUIRE RADIAL TRANSITION CURBS. SEE LAYOUT DRAWING FOR RADIAL DIMENSIONS.
 - DETECTABLE WARNING SURFACE COLOR TO CONTRAST ADJACENT PAVING MATERIAL. DARK WITH LIGHT OR LIGHT WITH DARK AS DEFINED IN THE AMERICANS WITH DISABILITIES ACT. SEE SPECIFICATIONS.
 - CURB CUTS SHALL BE PERPENDICULAR TO THE CURB, UNLESS OTHERWISE SHOWN.
 - REFER TO TRANSITION CURB LENGTH CHART FOR TRANSITION CURB LENGTHS.
 - PROVIDE POSITIVE DRAINAGE AWAY FROM BOTTOM OF CURB RAMPS TO PREVENT PONDING.
 - ALL RAMPS SHALL BE CONCRETE PAVING PER DETAIL.

01 ACCESSIBLE CURB RAMP
SCALE: 1/4" = 1'-0"

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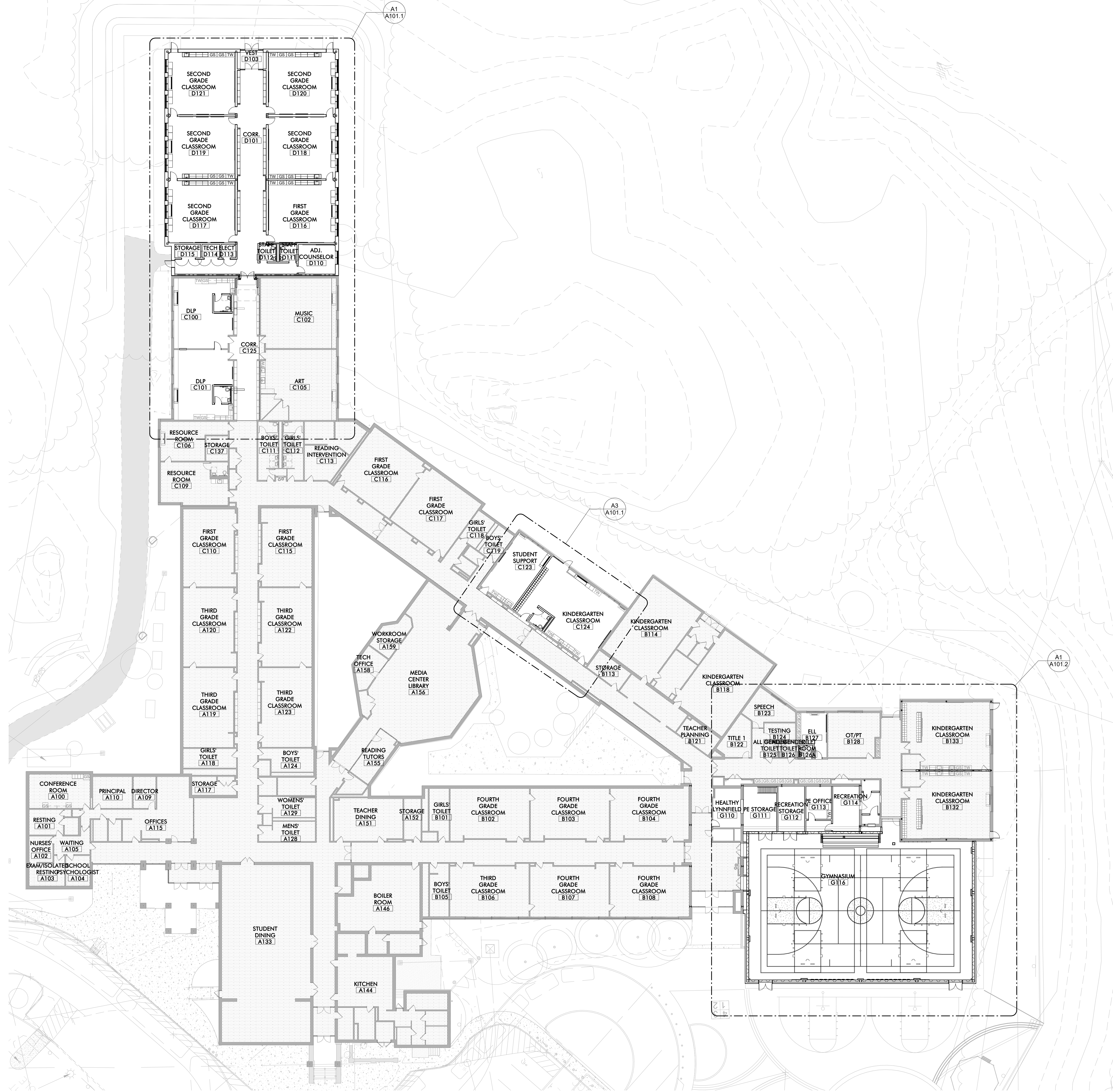
NO.	DATE	DESCRIPTION
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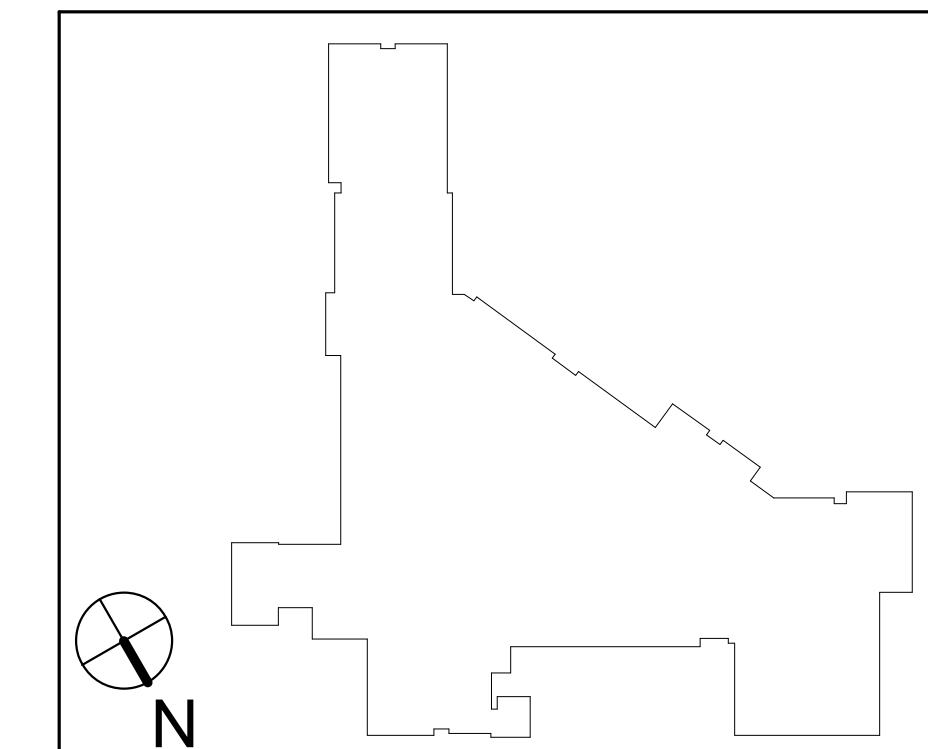
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DETAILS
L501

CLASSROOM ADDITION : 7,965 SQFT
 GYM ADDITION: 6,900 SQFT
 TOTAL BUILDING SQFT: 75,167 SQFT



A1 FIRST FLOOR REFERENCE PLAN
 1" = 20'-0"



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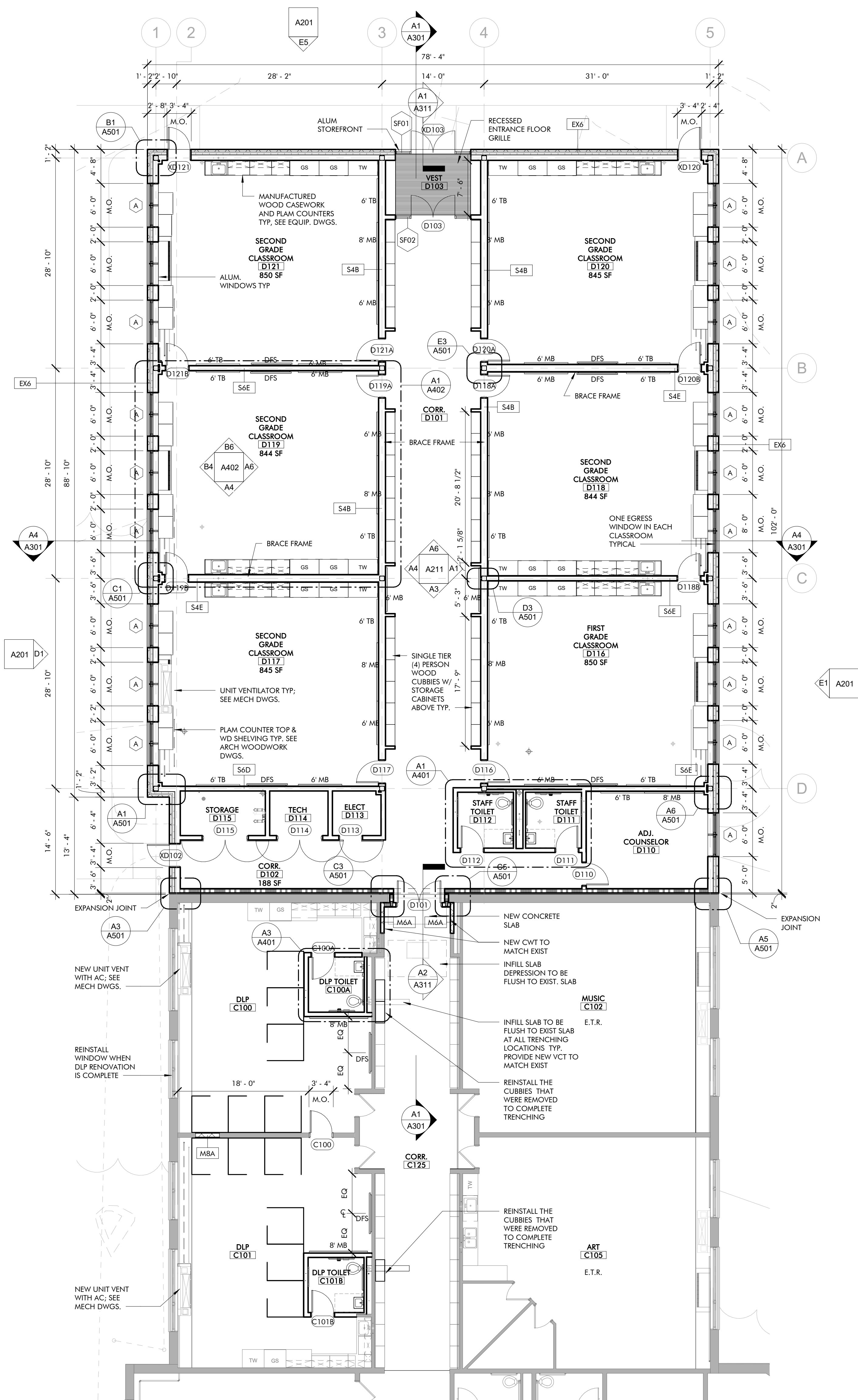
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Project: A1907.00
 Date: 03/17/2021
 Scale: 1" = 20'-0"
 Drawn By: Author
 Checked By: Checker
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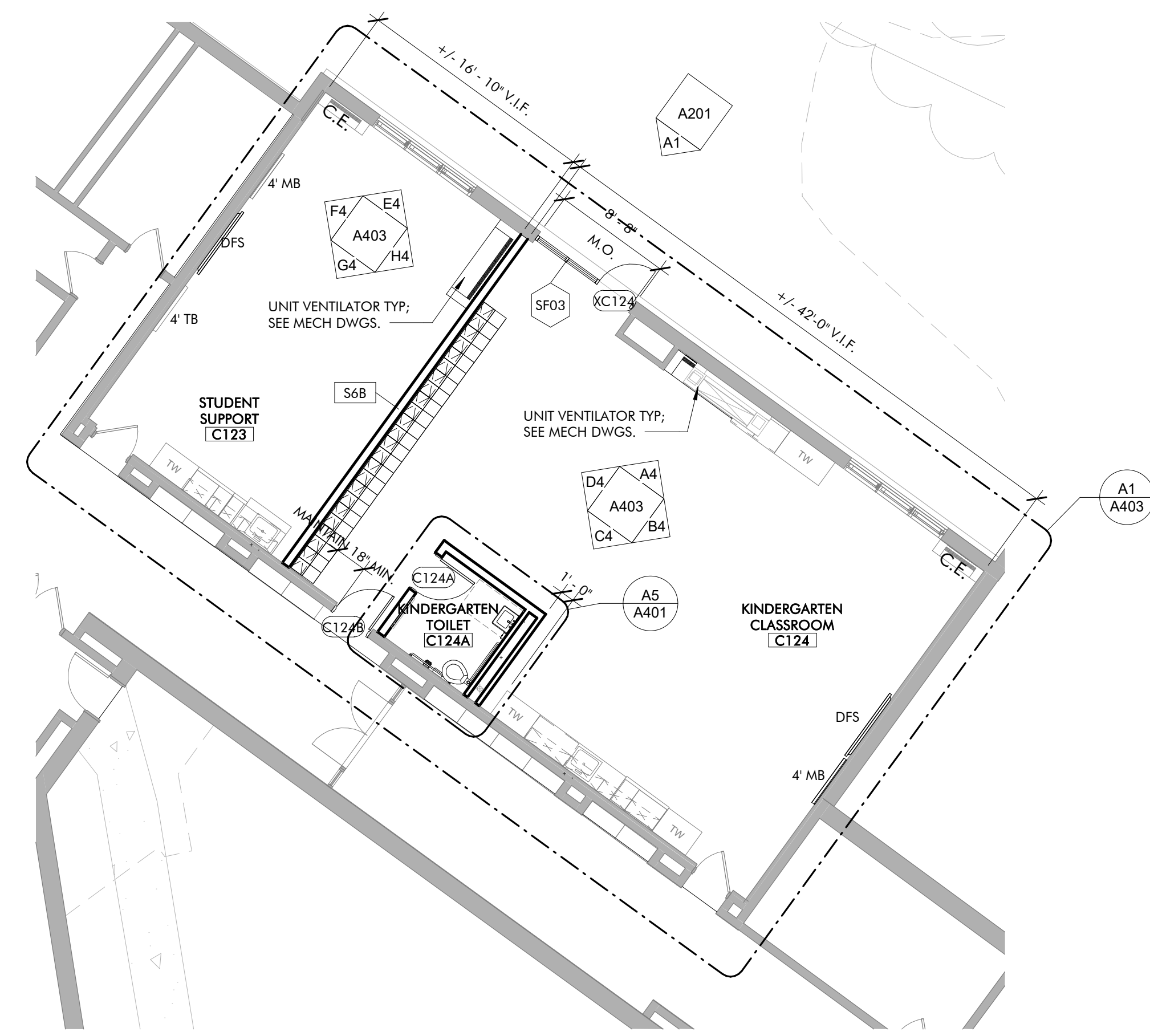
FIRST FLOOR
 REFERENCE PLAN

A101

**HUCKLEBERRY HILL
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A1 CLASSROOM WING ADDITION / RENOVATION FLOOR PLAN
A101.1 1/8" = 1'-0"

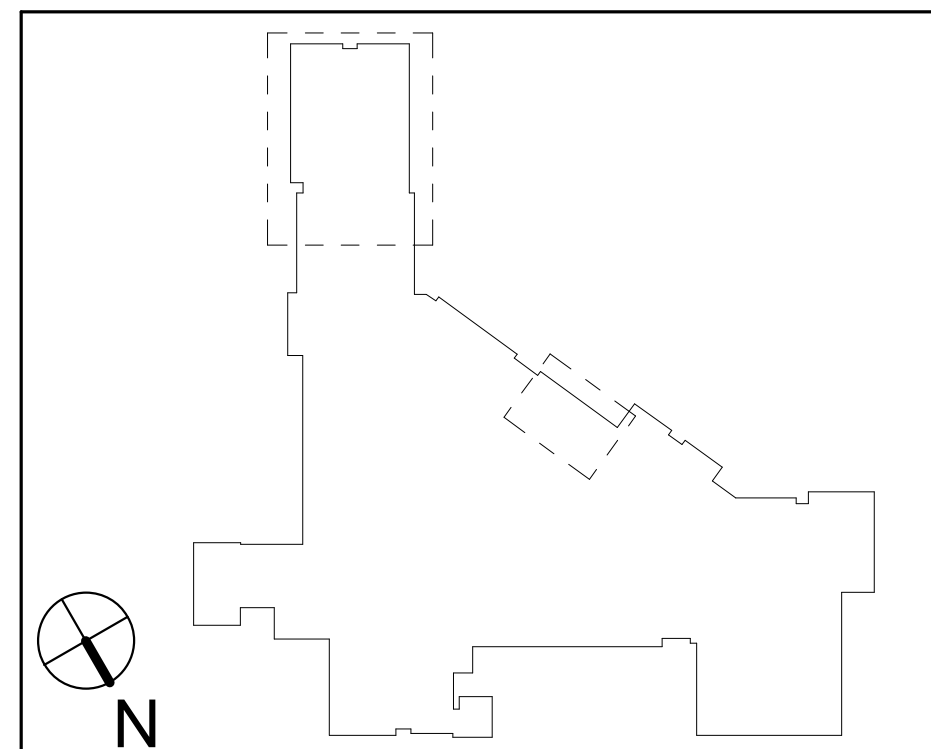


A3 KINDERGARTEN RENOVATION FLOOR PLAN
A101.1 1/8" = 1'-0"

GENERAL NOTES:

1. ALL NEW INTERIOR PARTITION TYPES TO BE S48 (STC 50) U.O.N. SEE DRAWING A002.
2. ALL MASONRY OPENINGS ARE 3/8" WIDER THAN STATED DIMENSION.
3. ALL INTERIOR DIMENSIONS TO DRYWALL PARTITIONS ARE TO THE FACE OF THE OUTERMOST LAYER OF GWB.
4. TYPICAL 1-HR RATED WALL TO BE S48 UL DESIGN #U449 U.O.N.
5. TYPICAL 2-HR RATED WALL TO BE S48 UL DESIGN #U411 U.O.N.
6. WALLS LOCATED ALONG COLUMN LINES ARE CENTERED ON THE COLUMN LINE U.O.N.
7. PROVIDE BLOCKING AS REQUIRED FOR TACKBOARDS, MARKERBOARDS, AND PROJECTORS.
8. SEE Q-DWGS FOR CASEWORK DETAILS.
9. SEE DRAWING A001 FOR SYMBOLS, ABBREVIATIONS, AND FIRE RATING LINE TYPE INFORMATION.
10. REFER TO FINISH SCHEDULE AND SPECIFICATIONS FOR REQUIRED TYPE OF GYPSUM WALL BOARD.
11. REFER TO FLOOR PLANS FOR LOCATION AND SIZES OF ALL TACKBOARD AND MARKER BOARDS.
12. ALL TACKBOARD TO BE LOCATED 5'-0" MIN. AWAY FROM ALL CLASSROOM ENTRY DOORS.
13. DOORS: ALL NEW ENTRY DOORS TO CORE LEARNING SPACES (CLASSROOMS, OFFICES USED FOR EDUCATIONAL PURPOSES) MUST HAVE A DOOR PANEL STC RATING OF 30 OR HIGHER AND HAVE PERIMETER, DROP AND ASTRAGAL SEAL.

LEGEND:	
---	= NOT IN CONTRACT (N.I.C.)
MB	= MARKER BOARD (NOTE: TACKSTRIP IN MATCHING LENGTH ABOVE ALL MARKER BOARDS, TYP)
HC	= HANDICAP DOOR OPERATOR
TB	= TACK BOARD
GS	= GENERAL STORAGE
TW	= TEACHER WARDROBE
DFS	= DIGITAL FLAT SCREEN (REFER TO TECH. DWGS)
---	= 1 HR RATED WALL
---	= 2 HR RATED WALL



Project: A1907.00
Date: 03/17/2021
Scale: 1/8" = 1'-0"
Drawn By: PM
Checked By: MB
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FLOOR PLANS

A101.1

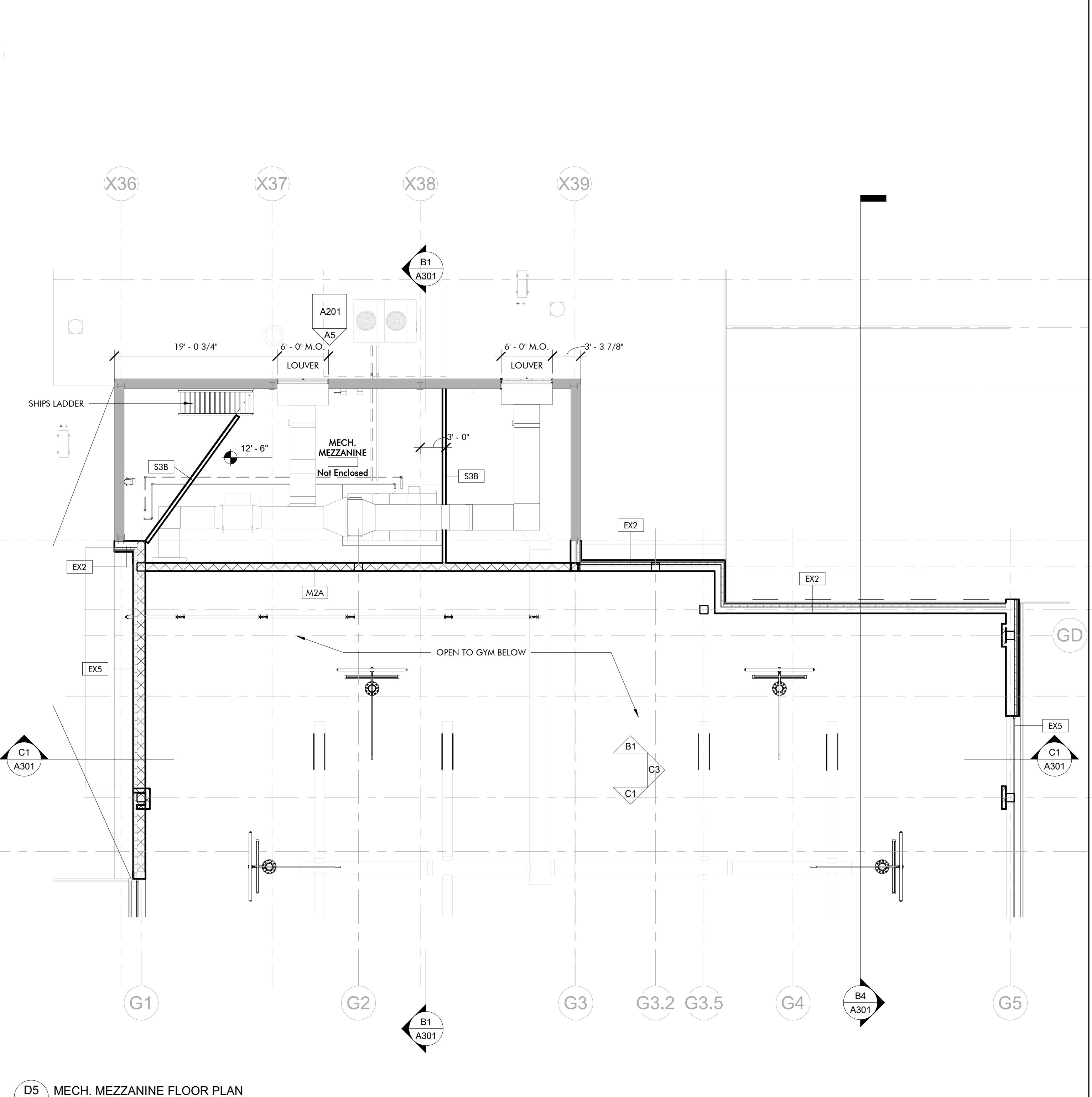
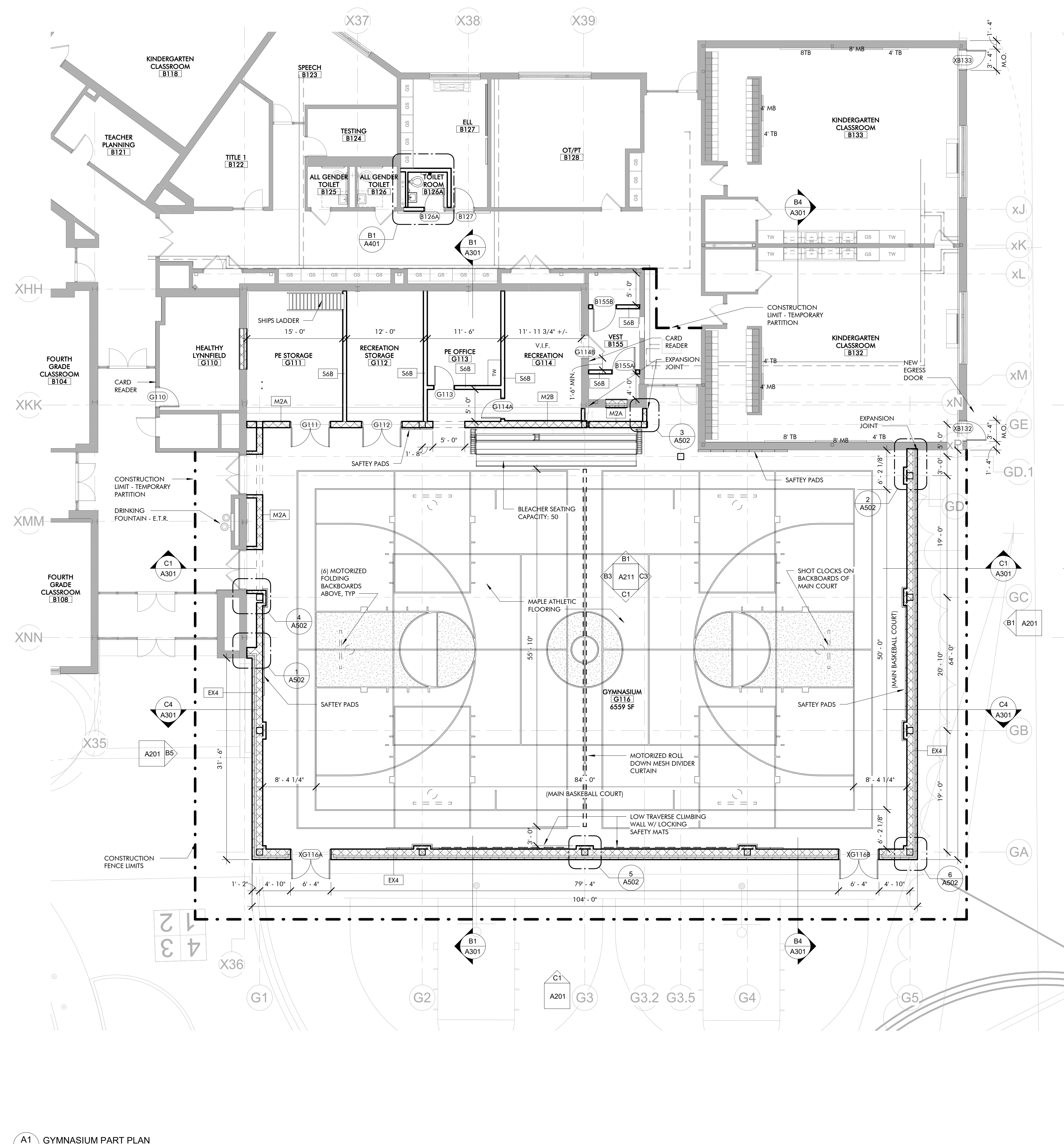
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GYM AND MECH. MEZZANINE FLOOR PLANS

A101.2

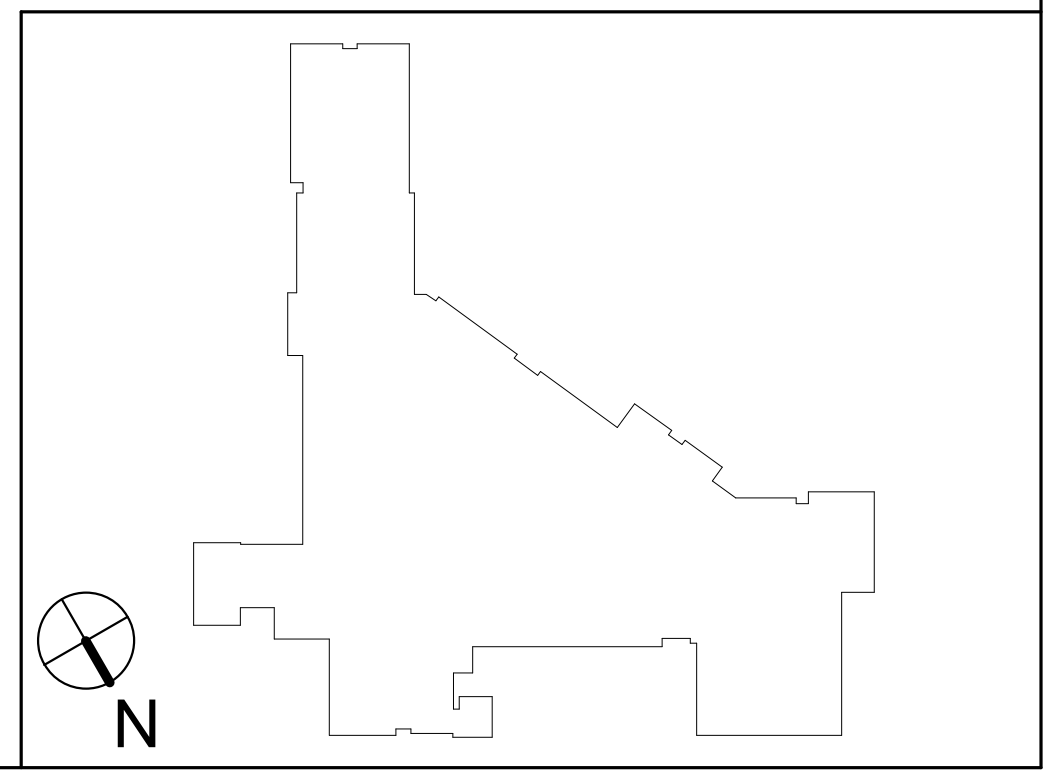


D5 MECH. MEZZANINE FLOOR PLAN
A101.2 1/8" = 1'-0"

- GENERAL NOTES:**
- ALL NEW INTERIOR PARTITION TYPES TO BE S&B (STC 50) U.O.N. SEE DRAWING A002.
 - ALL MASONRY OPENINGS ARE 3/8" WIDER THAN STATED DIMENSION.
 - ALL INTERIOR DIMENSIONS TO DRYWALL PARTITIONS ARE TO THE FACE OF THE OUTERMOST LAYER OF GWB.
 - TYPICAL 1-HR RATED WALL TO BE S&B UL DESIGN #1448 U.O.N.
 - TYPICAL 2-HR RATED WALL TO BE S&B UL DESIGN #1411 U.O.N.
 - WALLS LOCATED ALONG COLUMN LINES ARE CENTERED ON THE COLUMN LINE U.O.N.
 - PROVIDE BLOCKING AS REQUIRED FOR TACKBOARDS, MARKERBOARDS, AND PROJECTORS.
 - SEE Q-DWGS FOR CASEWORK DETAILS.
 - SEE DRAWING A001 FOR SYMBOLS, ABBREVIATIONS, AND FIRE RATING LINE TYPE INFORMATION.
 - REFER TO FINISH SCHEDULE AND SPECIFICATIONS FOR REQUIRED TYPE OF GYPSUM WALL BOARD.
 - REFER TO FLOOR PLANS FOR LOCATION AND SIZES OF ALL TACKBOARD AND MARKER BOARDS.
 - ALL TACKBOARD TO BE LOCATED 5'-0" MIN. AWAY FROM ALL CLASSROOM ENTRY DOORS.
 - ALL NEW ENTRY DOORS TO CORE LEARNING SPACES (CLASSROOMS, OFFICES USED FOR EDUCATIONAL PURPOSES) MUST HAVE A DOOR PANEL STC RATING OF 30 OR HIGHER AND HAVE PERIMETER, DROP AND ASTRAGAL SEAL.

LEGEND:

---	= NOT IN CONTRACT (N.I.C.)
MB	= MARKER BOARD (NOTE: TACKSTRIP IN MATCHING LENGTH ABOVE ALL MARKER BOARDS, TYP)
HC	= HANDICAP DOOR OPERATOR
TB	= TACK BOARD
GS	= GENERAL STORAGE
TW	= TEACHER WARDROBE
DFS	= DIGITAL FLAT SCREEN (REFER TO TECH. DWGS)
---	= 1 HR RATED WALL
---	= 2 HR RATED WALL



A1 GYMNASIUM PART PLAN
A101.2 1/8" = 1'-0"

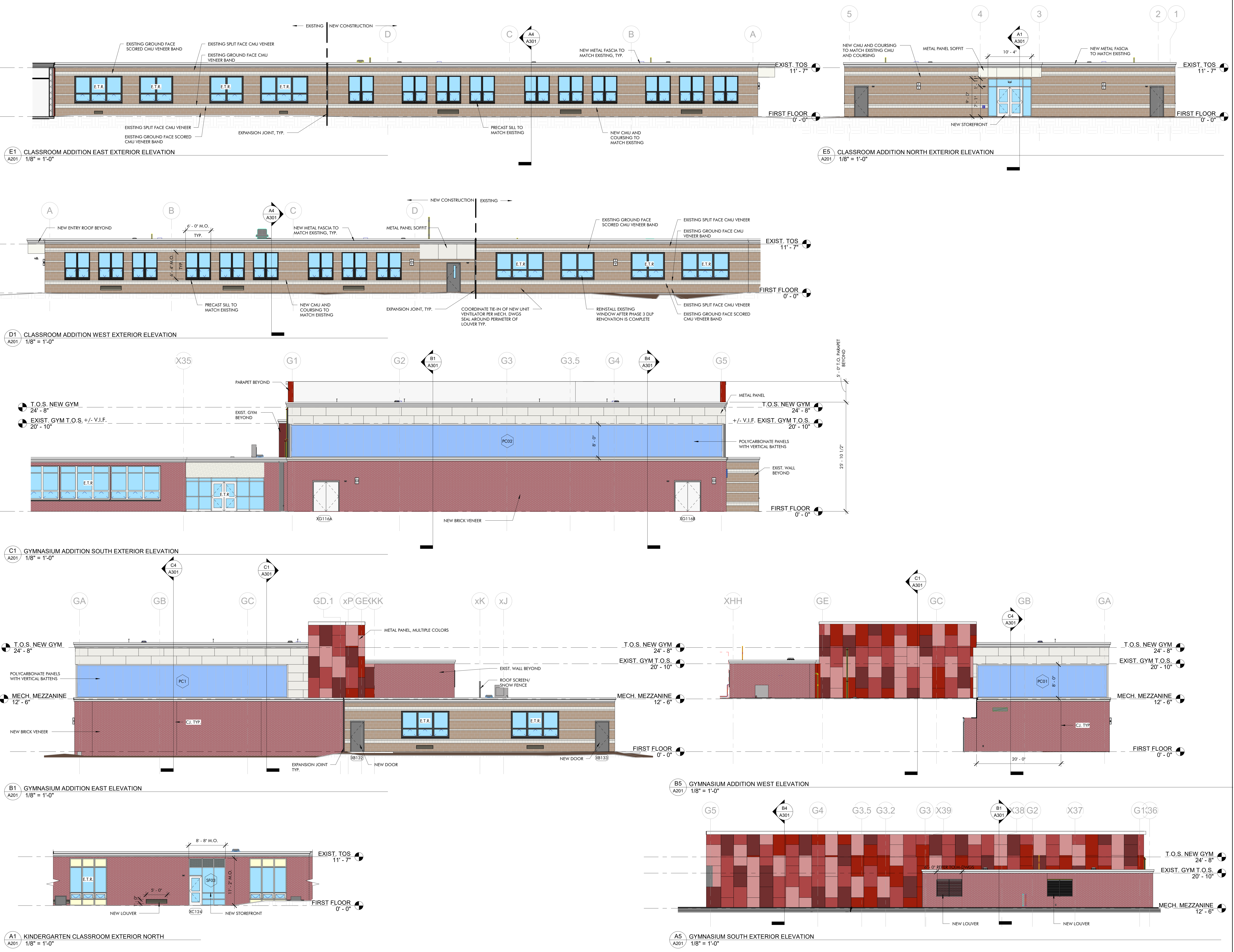
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EXTERIOR ELEVATIONS

A201





- EXISTING ELECTRICAL LEGEND:**
- EXISTING ELECTRICAL EQUIPMENT WITHOUT A DESIGNATION IS TO REMAIN.
 - "X" INDICATES EXISTING ELECTRICAL EQUIPMENT WHICH IS TO BE REMOVED. PULL BACK WIRING AND CONDUIT BACK TO NEXT ACTIVE OUTLET OR POWER SOURCE.
 - "R" INDICATES EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED AND RELOCATED. EXISTING CIRCUIT SHALL BE EXTENDED TO NEW LOCATION OF RELOCATED EXISTING ELECTRICAL EQUIPMENT.
 - "N" INDICATES NEW LOCATION OF RELOCATED EXISTING ELECTRICAL EQUIPMENT.
 - "D" INDICATES EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED. EXISTING CIRCUITRY AND BACK BOX SHALL REMAIN. NEW DEVICE SHALL BE LOCATED IN PLACE. EXTEND CIRCUITRY/WIRING TO NEW ELECTRICAL EQUIPMENT.
- NOTES:**
1. DOTTED SYMBOLS INDICATE EXISTING ELECTRICAL EQUIPMENT.
 2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 3. ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE CONTINUITY OF ALL EXISTING CIRCUITS WHICH ARE REMAINING.
 4. ELECTRICAL SUBCONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT, WIRING, CONDUIT, ETC. ASSOCIATED WITH EXISTING MECHANICAL, PLUMBING, AND FIRE PROTECTION EQUIPMENT SCHEDULED TO BE REMOVED. REFER TO DRAWINGS FOR LOCATIONS OF EQUIPMENT.
- SITE:**
- 12" X 12" X 12" MONOLITHIC POLYMER CONCRETE UNDERGROUND HANDHOLE, EQUAL TO QUAZITEA PC1212280209
 - LIGHTING:**
 - SINGLE HEAD SITE LIGHT FIXTURE (LUMINAIRE), REFER TO POLE BASE DETAIL.

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ELECTRICAL
SITE DEMOLITION
PLAN

EDS001

