

LEGEND

- ⊞ CATCHBASIN
- ⊞ DRAIN MANHOLE
- ⊞ SEWER MANHOLE
- ⊞ ELECTRIC MANHOLE
- ⊞ TELEPHONE MANHOLE
- ⊞ CABLE TV MANHOLE
- ⊞ MISCELLANEOUS MANHOLE
- ⊞ ELECTRIC HANDHOLE
- ⊞ LIGHTING HANDHOLE
- ⊞ ROOF DRAIN
- ⊞ AREA DRAIN
- ⊞ OIL FILL
- ⊞ HYDRANT
- ⊞ WATER GATE
- ⊞ WATER SERVICE
- ⊞ WATER METER
- ⊞ GAS GATE
- ⊞ GAS SERVICE
- ⊞ LIGHT POLE/LAMP
- ⊞ UTILITY POLE
- ⊞ TRAFFIC SIGNAL
- ⊞ GUY WIRE
- ⊞ SIGN POLE
- ⊞ MAIL BOX
- ⊞ BOLLARD
- ⊞ POST
- ⊞ TREE
- ⊞ CHAIN LINK FENCE
- ⊞ WOOD POST FENCE
- ⊞ TEST PIT
- ⊞ MONITORING WELL
- ⊞ LIMIT OF WETLANDS W/FLAG #
- ⊞ STONE BOUND W/DRILL HOLE
- ⊞ IRON ROD
- ⊞ INTERMEDIATE CONTOUR
- ⊞ INDEX CONTOUR
- ⊞ SPOT GRADE
- FFE= FINISHED FLOOR ELEVATION
- dw= DOORWAY ELEVATION
- tc= TOP OF CURB ELEVATION
- bc= BOTTOM OF CURB ELEVATION
- ts= TOP STEP ELEVATION
- bs= BOTTOM STEP ELEVATION

SURVEY NOTES:

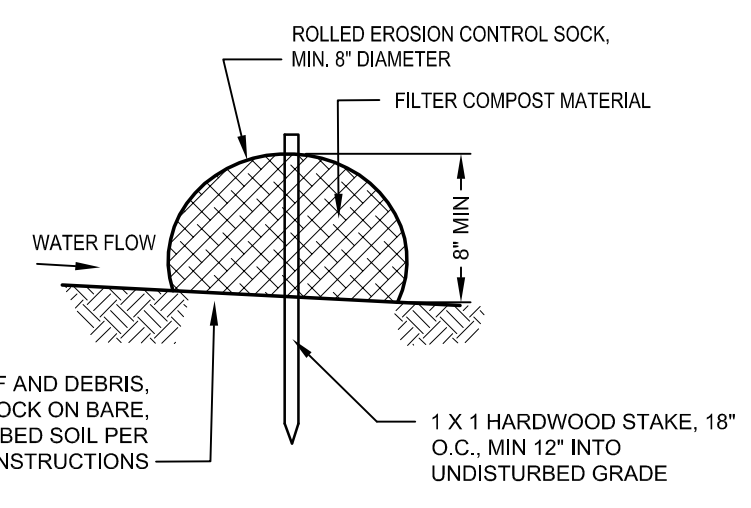
- 1) EXISTING CONDITIONS INFORMATION IS TAKEN FROM A SURVEY PREPARED BY LANATA AND ASSOCIATES DATED AUGUST 2, 2014.
- 2) THE DATUM IS THE TOWN OF ARLINGTON BASE AND THE COORDINATE SYSTEM IS ASSUMED AND THE NORTH ARROW IS MAGNETIC.
- 3) THIS SURVEY IS THE RESULT OF FIELD SURVEY AND SHOWS THE LOCATION OF ALL VISIBLE PHYSICAL FEATURES.
- 4) "DIG SAFE" SHOULD BE CONTACTED FOR THE FINAL DETERMINATION OF UNDER GROUND UTILITIES.
- 5) ALL DRAINAGE STRUCTURES AND PIPES ARE IN POOR CONDITION AND NEED TO BE CLEANED TO DETERMINE SIZES AND TYPES OF PIPES. REFER TO RECORD PLANS.

SITE PREPARATION LEGEND

- ⊞ MATERIALS STAGING AREA
- EROSION CONTROL LINE
- ⊞ ITEM TO BE REMOVED
- D & R: DEMOLISH AND REMOVE

EXISTING CONDITIONS AND SITE PREPARATION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AS THEY MAY AFFECT THE WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THIS PLAN, PRIOR TO ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION BEFORE PROCEEDING WITH THE WORK.
3. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON THE FILED LOCATION OF ALL VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATERGATES, ETC., AND COMPILED FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES.
4. ALL CONTRACTORS SHOULD NOTIFY, IN WRITING, ALL UTILITY COMPANIES OR AGENCIES PRIOR TO ANY EXCAVATION OR UTILITY WORK.
5. CALL DIG SAFE, 1-800-322-4844 AND OBTAIN UTILITY MARK OUT BEFORE COMMENCING ANY WORK IN ACCORDANCE WITH MASS. REGULATIONS.
6. REVIEW EXTENT OF DEMOLITION AND REMOVAL WITH ARCHITECT BEFORE COMMENCING SITE OPERATIONS.
7. REPORT DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE DRAWINGS IMMEDIATELY TO THE LANDSCAPE ARCHITECT FOR RESOLUTION. DO NOT PROCEED WITH SITE PREPARATION IN AREAS OF DISCREPANCY UNTIL WRITTEN RESOLUTION IS OBTAINED.
8. DO NOT SCALE DRAWINGS. IF DIMENSION OR EXTENT OF WORK IS UNCLEAR, OBTAIN CLARIFICATION FROM LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH CONSTRUCTION.
9. INSTALL EROSION CONTROL BEFORE COMMENCING SITE OPERATIONS.
10. CONSULT EXISTING DRAWINGS AND RECORDS FOR LOCATION AND EXTENT OF SITE UTILITIES. EXERCISE CARE TO PROTECT EXISTING UTILITIES TO REMAIN.
11. PORTIONS OF THE WORK PROPOSED ON THIS PLAN ARE ALLOWED BY AN ORDER OF CONDITIONS AND WETLAND PERMIT ISSUED BY THE ARLINGTON CONSERVATION COMMISSION WHICH INCLUDES STRICT CONDITIONS AND REQUIREMENTS. NO WORK IS TO PROCEED UNTIL THE CONTRACTOR HAS REVIEWED THE ORDER OF CONDITIONS AND AGREED TO ABIDE BY ALL CONDITIONS THEREIN.



EROSION CONTROL DETAIL
NOT TO SCALE

- NOTES:
1. THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
 2. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE SOCK WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE SOCK, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.
 3. REMOVE EROSION CONTROL BERM WHEN NO LONGER REQUIRED, AS DETERMINED BY THE LANDSCAPE ARCHITECT.

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No.	Date	Description
0	02/25/2015	ISSUE FOR BIDS
0	01/13/2015	COMMISSION REVIEW SET

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Arlington Parks and Recreation Commission
422 Summer Street
Arlington, Massachusetts 02474
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EXISTING CONDITIONS AND SITE PREPARATION

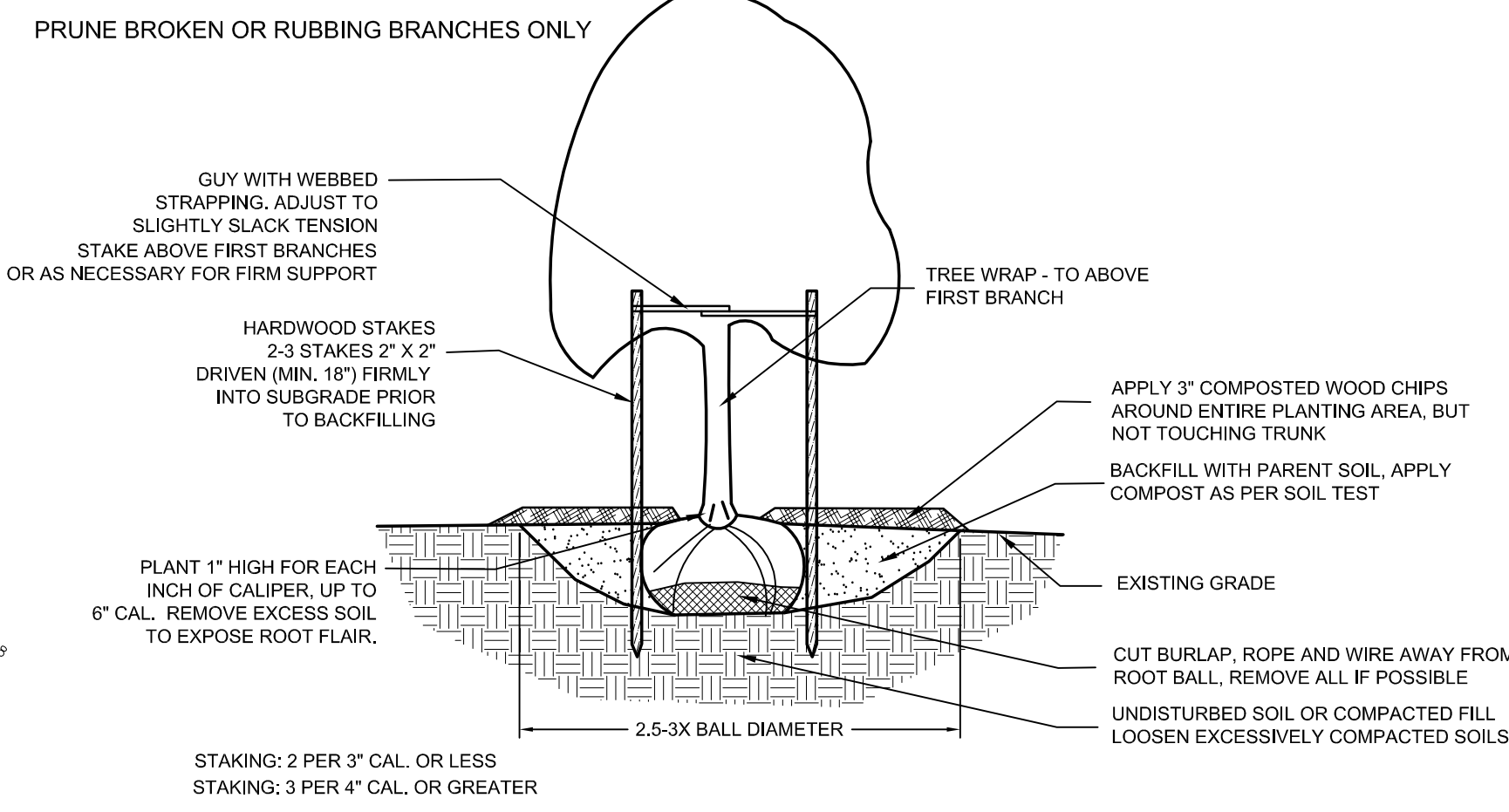
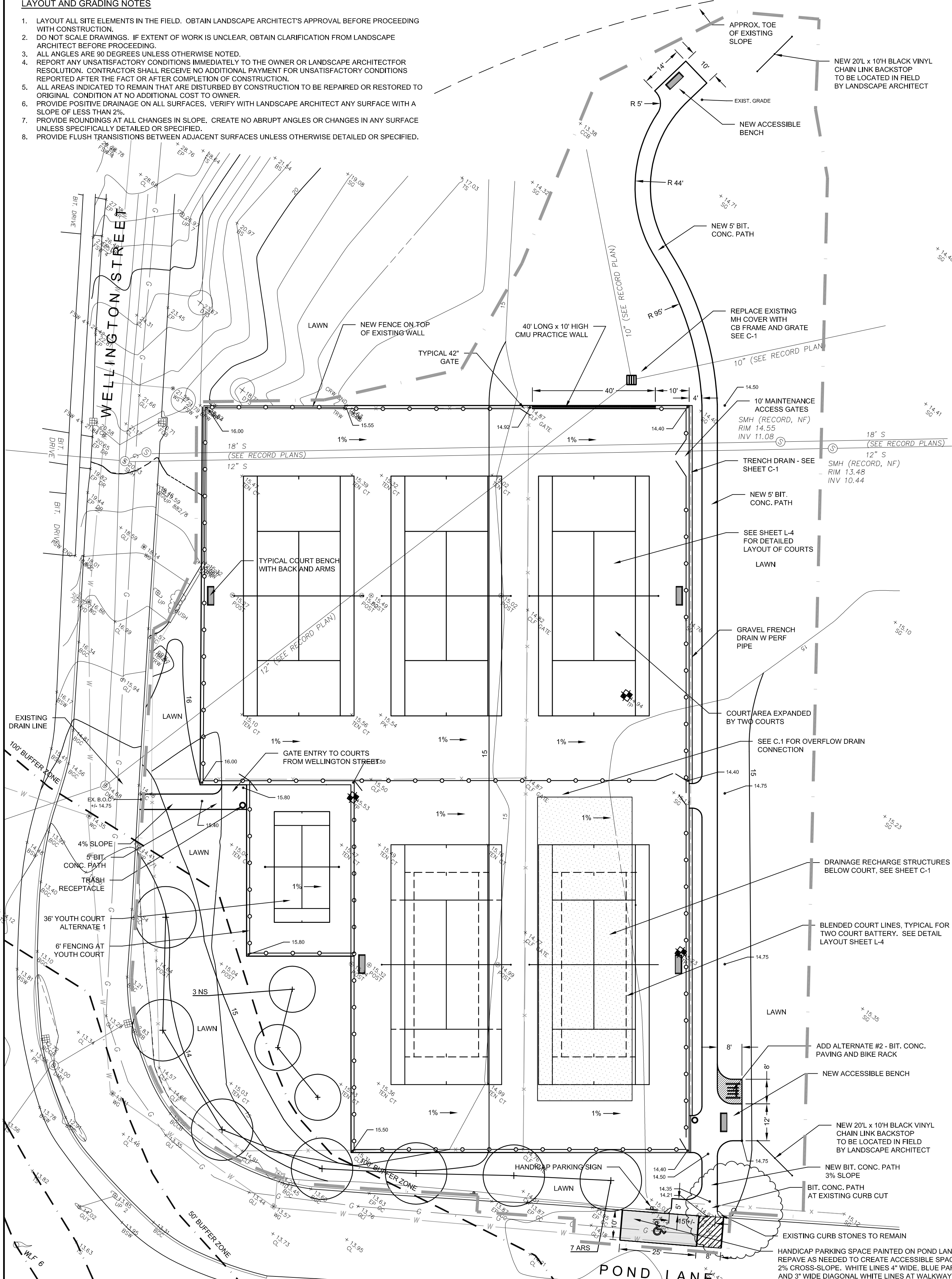
JOB NUMBER: 1414	DRAWN: ADL	DATE: 2/25/2015
FILE: arlparks/spy pond tennis	CHECKED: ADL	SCALE: 1" = 20'

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DRAWING ALTERATION
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
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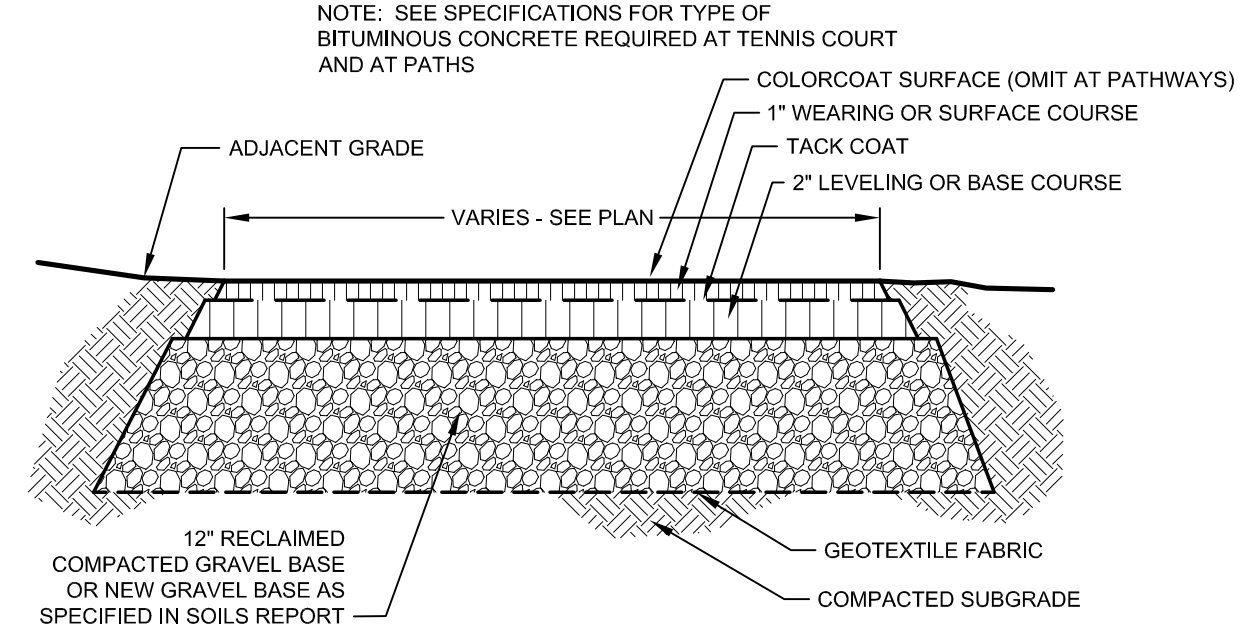
L.1

LAYOUT AND GRADING NOTES

- LAYOUT ALL SITE ELEMENTS IN THE FIELD. OBTAIN LANDSCAPE ARCHITECT'S APPROVAL BEFORE PROCEEDING WITH CONSTRUCTION.
- DO NOT SCALE DRAWINGS. IF EXTENT OF WORK IS UNCLEAR, OBTAIN CLARIFICATION FROM LANDSCAPE ARCHITECT BEFORE PROCEEDING.
- ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
- REPORT ANY UNSATISFACTORY CONDITIONS IMMEDIATELY TO THE OWNER OR LANDSCAPE ARCHITECT FOR RESOLUTION. CONTRACTOR SHALL RECEIVE NO ADDITIONAL PAYMENT FOR UNSATISFACTORY CONDITIONS REPORTED AFTER THE FACT OR AFTER COMPLETION OF CONSTRUCTION.
- ALL AREAS INDICATED TO REMAIN THAT ARE DISTURBED BY CONSTRUCTION TO BE REPAIRED OR RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO OWNER.
- PROVIDE POSITIVE DRAINAGE ON ALL SURFACES. VERIFY WITH LANDSCAPE ARCHITECT ANY SURFACE WITH A SLOPE OF LESS THAN 2%.
- PROVIDE ROUNDINGS AT ALL CHANGES IN SLOPE. CREATE NO ABRUPT ANGLES OR CHANGES IN ANY SURFACE UNLESS SPECIFICALLY DETAILED OR SPECIFIED.
- PROVIDE FLUSH TRANSITIONS BETWEEN ADJACENT SURFACES UNLESS OTHERWISE DETAILED OR SPECIFIED.



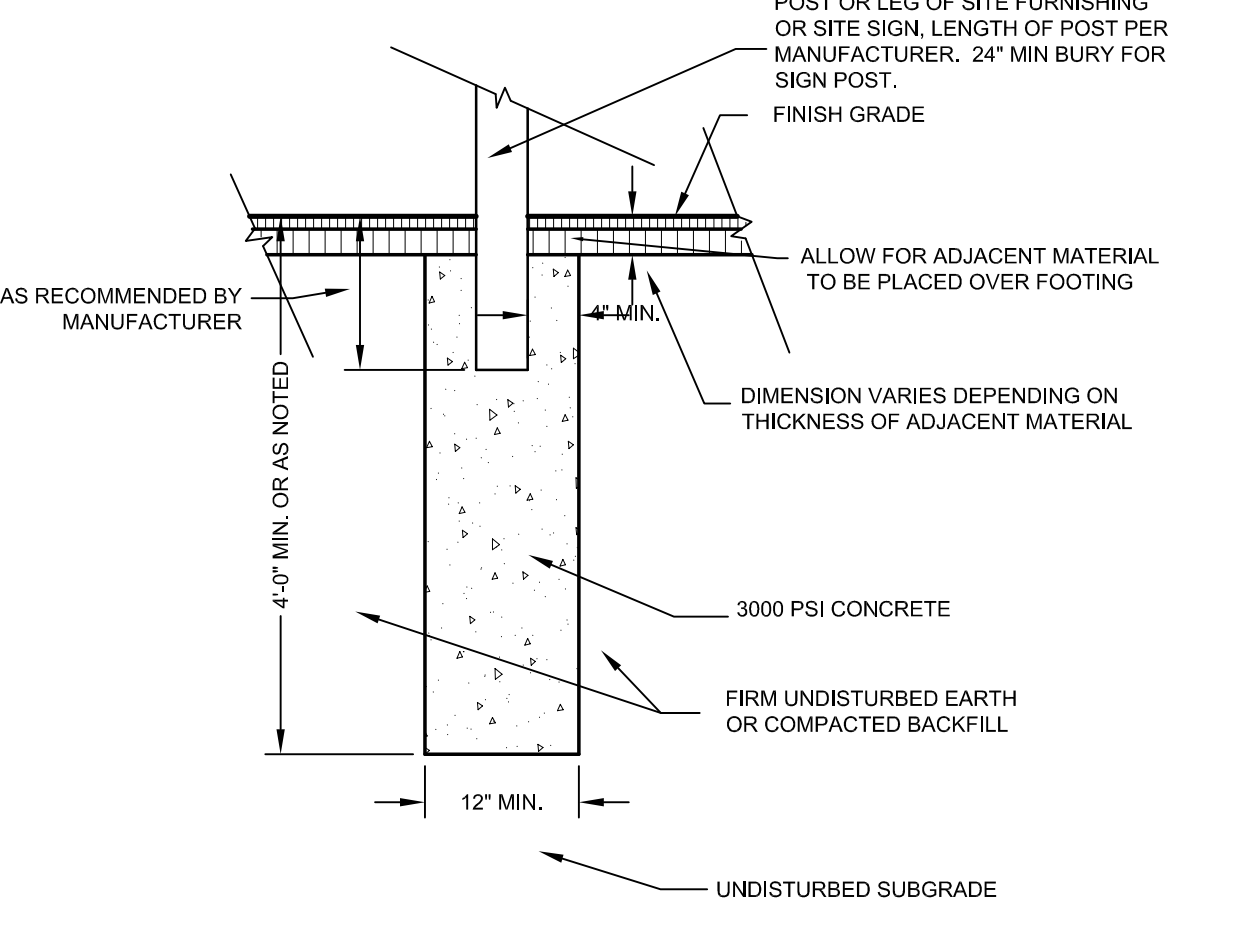
TREE PLANTING - VERTICAL STAKES
NOT TO SCALE



TENNIS COURT PAVING/PATHWAY PAVING
NOT TO SCALE

GENERAL PLANTING NOTES

- ALL PLANT MATERIAL SHALL BE FIRST QUALITY STOCK GROWN IN THE NORTH EAST.
- ALL PLANT MATERIALS AND METHODS SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMEN, AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION.
- PROVIDE ONE YEAR WARRANTY ON ALL PLANT MATERIALS STAKE OR PHYSICALLY LAYOUT PLANTING MATERIALS IN APPROXIMATE LOCATIONS AND OBTAIN APPROVAL OF LANDSCAPE ARCHITECT BEFORE PLANTING.
- REPORT ANY UNSATISFACTORY CONDITIONS IMMEDIATELY TO THE OWNER. CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR NECESSARY CORRECTION OF WORK REQUIRED BY UNSATISFACTORY CONDITIONS REPORTED AFTER THE FACT OR AFTER COMPLETION OF PLANTING.
- ALL AREAS DISTURBED BY CONSTRUCTION TO BE REPAIRED OR RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO OWNER.
- PLANTING SOIL MIXTURE: 4 PARTS TOPSOIL TO 1 PART ORGANIC COMPOST.
- ALL LAWN AREAS TO RECEIVE 4\"/>



FOOTING FOR SITE FURNISHING - IMBEDMENT MOUNT
NOT TO SCALE

PLANT LIST					
ITEM	QNTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	COMMENTS
ARS	7	ACER RUBRUM 'RED SUNSET'	ACER RUBRUM RED MAPLE	4\"/>	

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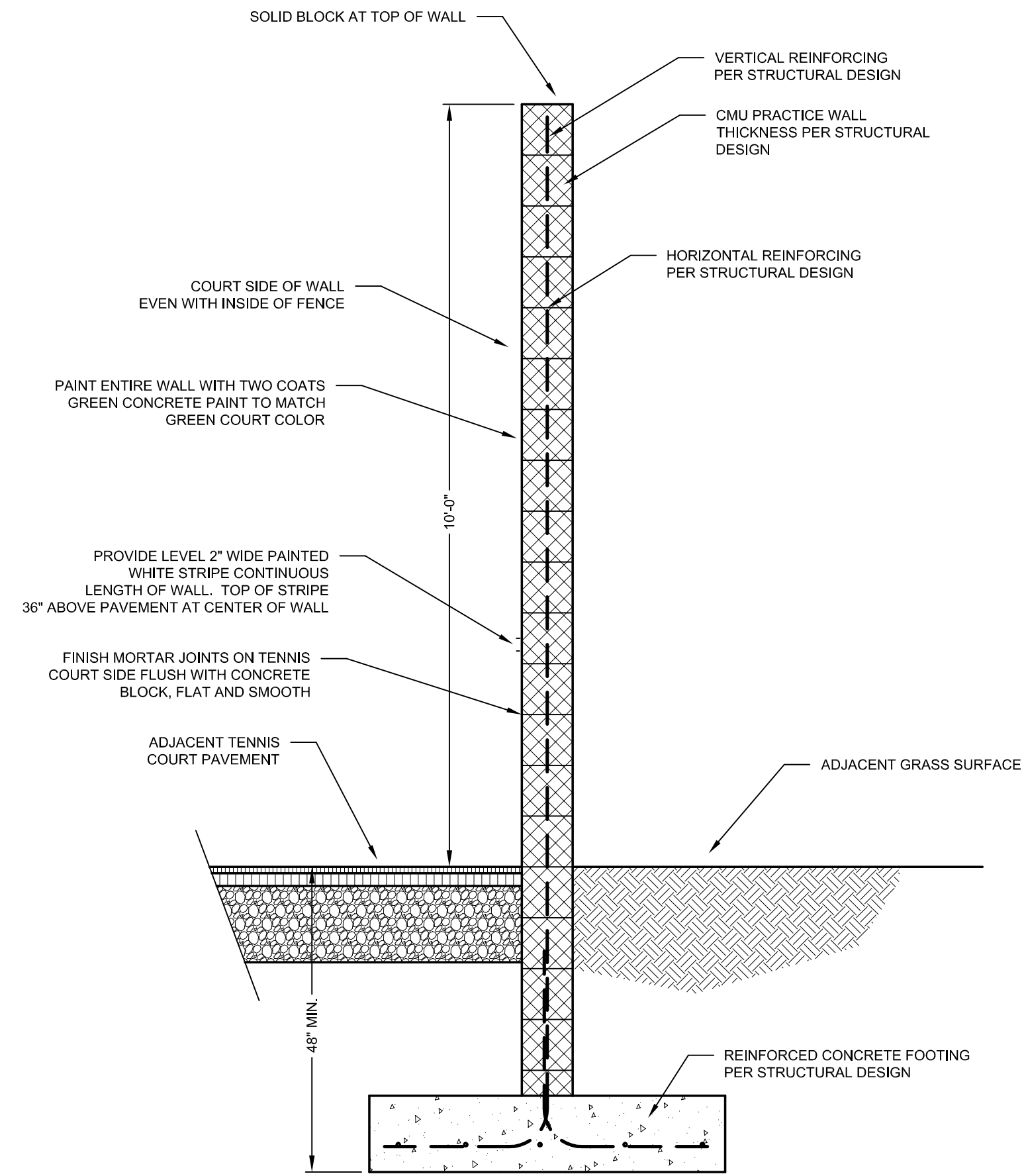
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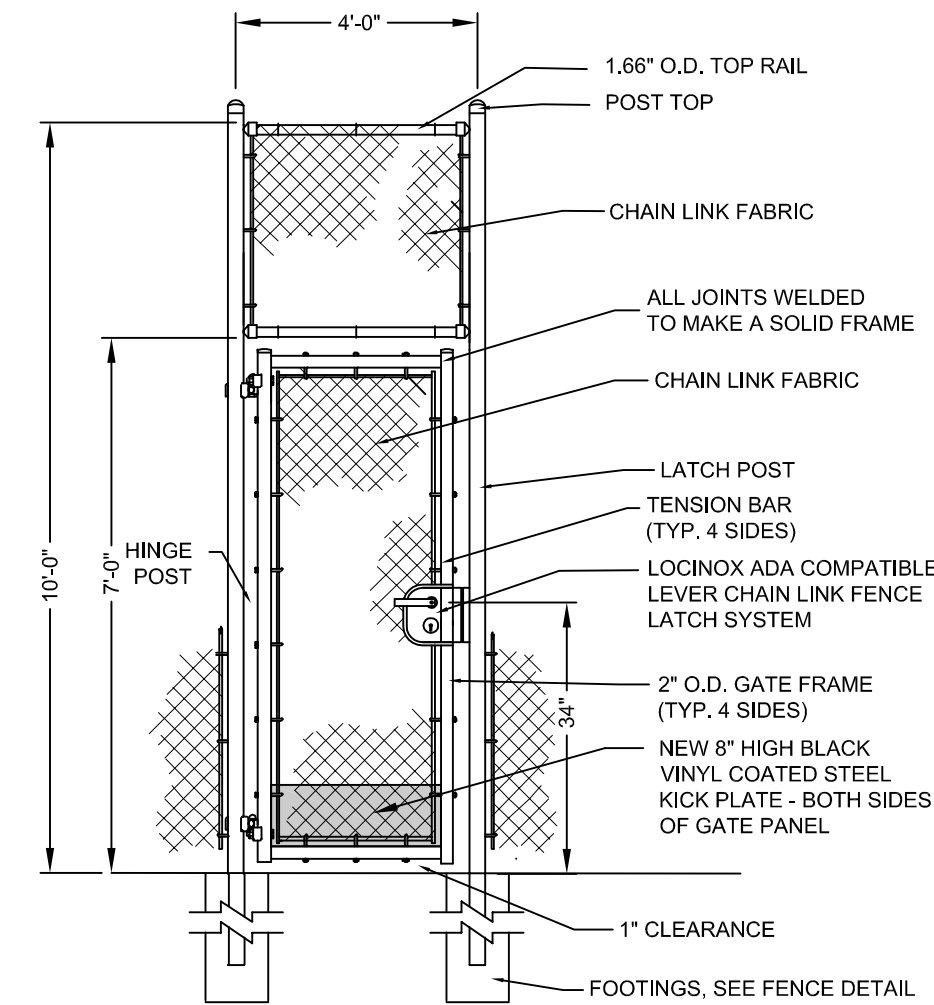
LAYOUT AND MATERIALS PLAN

JOB NUMBER: 1414	DRAWN: ADL	DATE: 2/25/2015
FILE: arlparks/spy_pond_tennis	CHECKED: ADL	SCALE: 1" = 20'

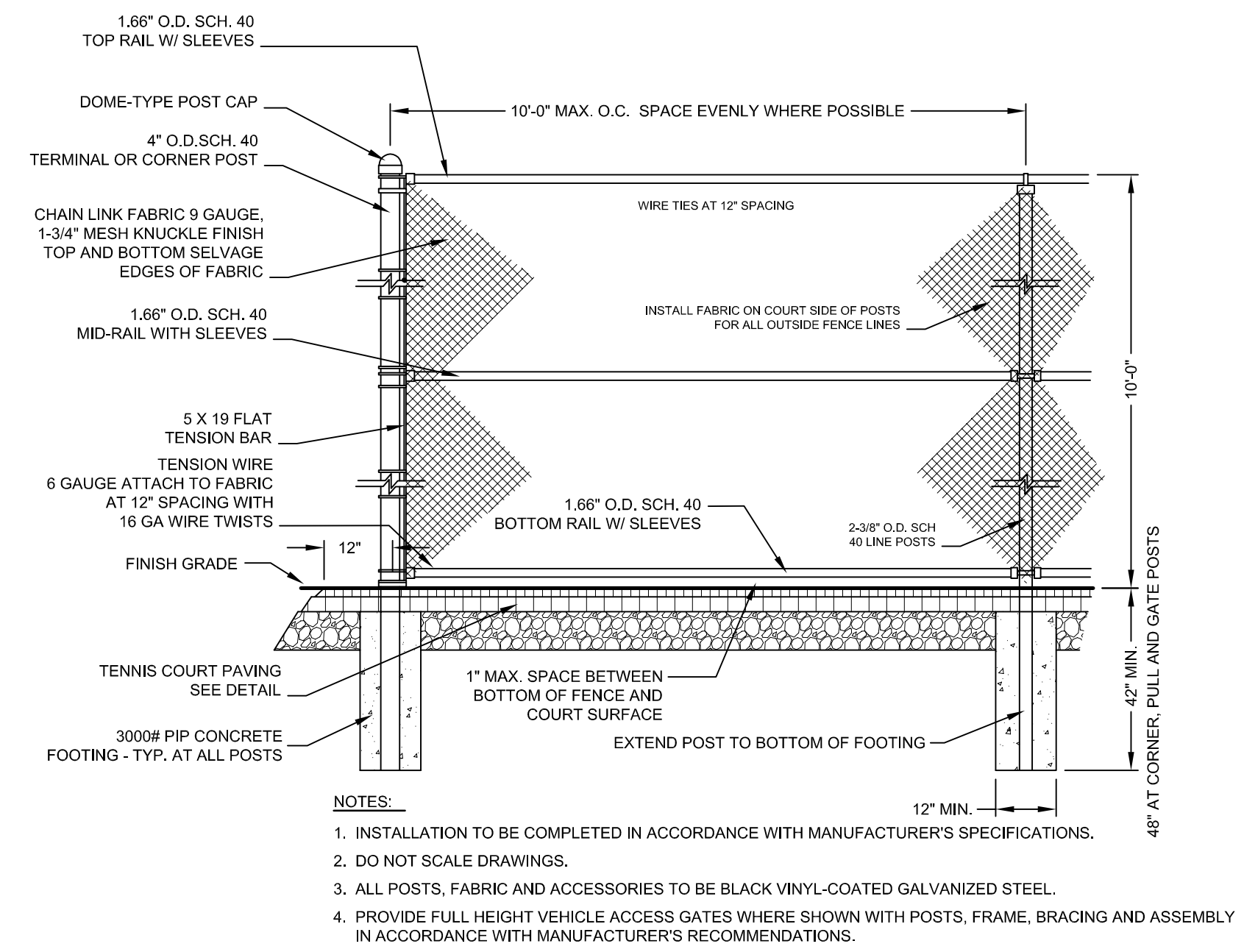
L.2



DESIGN-BUILD CMU PRACTICE WALL CONCEPT
NOT TO SCALE

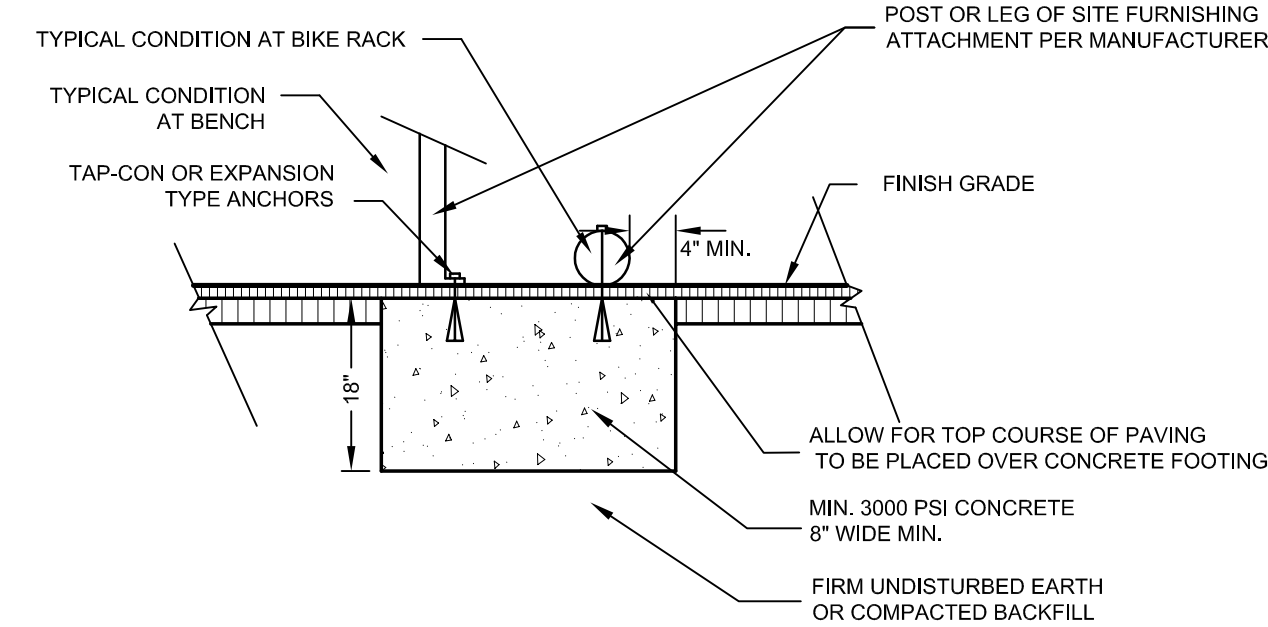


TENNIS FENCE PEDESTRIAN SWING GATE WITH ADA COMPATIBLE LATCH
NOT TO SCALE

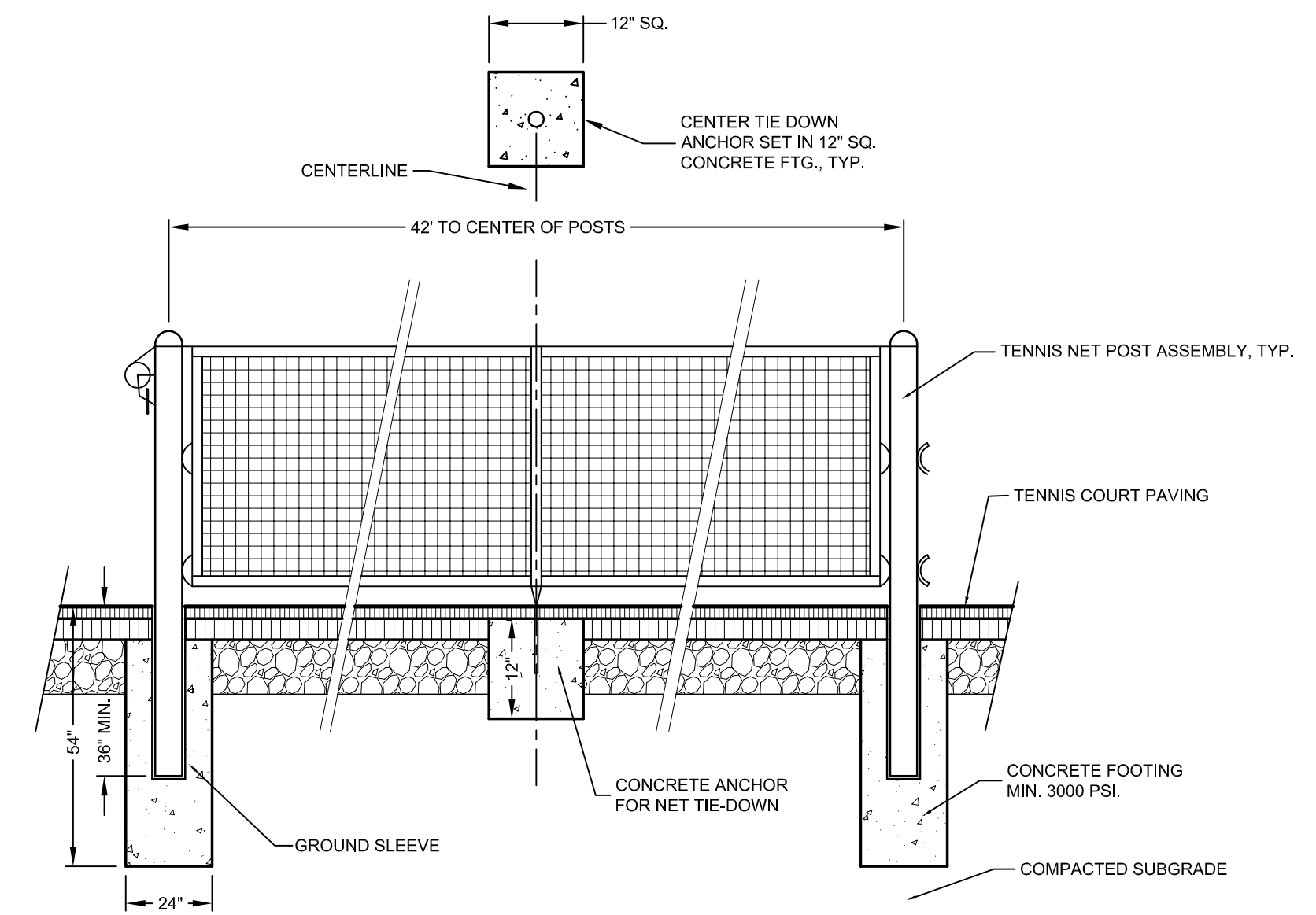


- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. DO NOT SCALE DRAWINGS.
 3. ALL POSTS, FABRIC AND ACCESSORIES TO BE BLACK VINYL-COATED GALVANIZED STEEL.
 4. PROVIDE FULL HEIGHT VEHICLE ACCESS GATES WHERE SHOWN WITH POSTS, FRAME, BRACING AND ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

TENNIS COURT FENCING
NOT TO SCALE



FOOTING FOR SITE FURNISHING - SURFACE MOUNT
NOT TO SCALE



TENNIS POSTS AND NET
NOT TO SCALE

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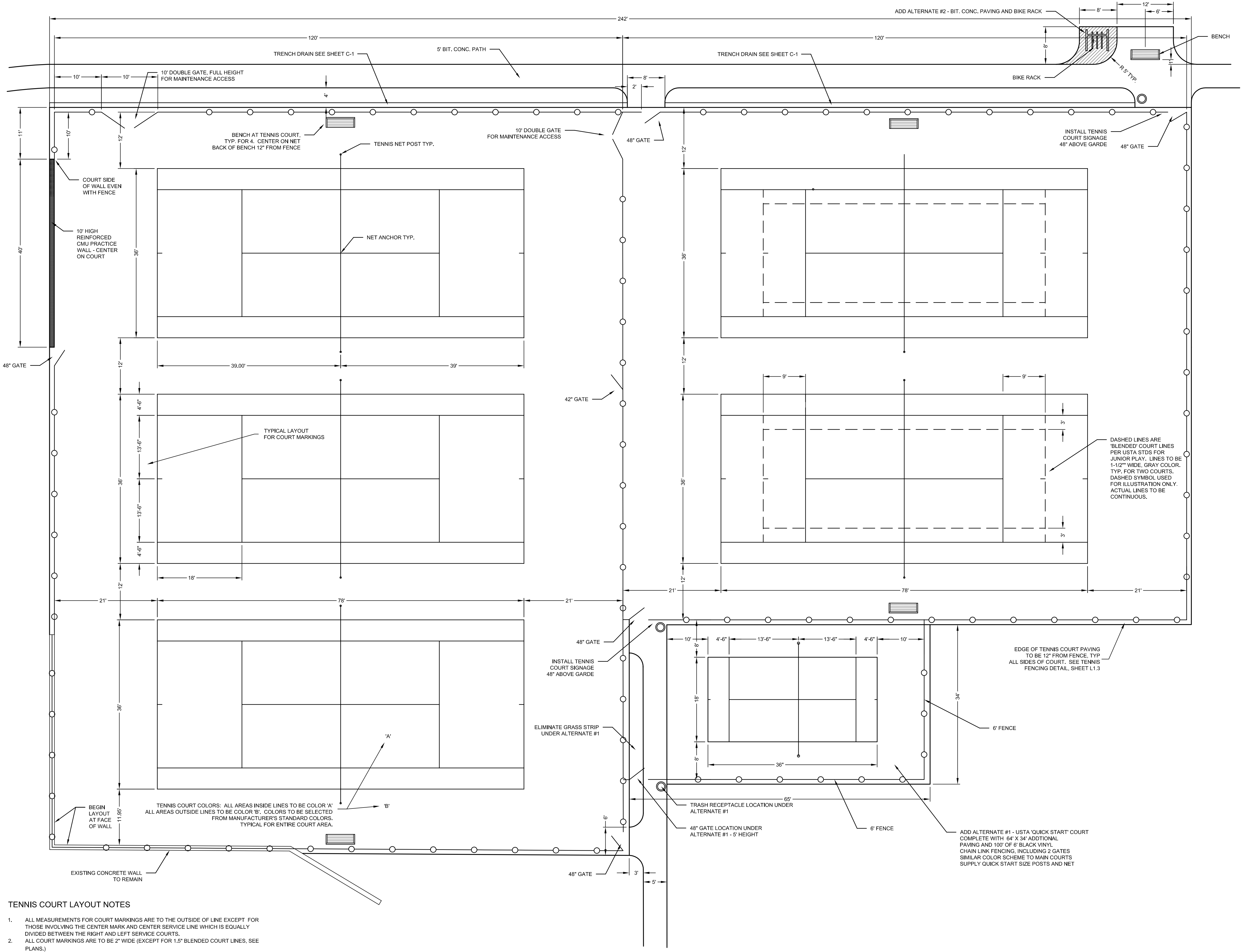
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SITE DETAILS

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FILE: arlparks/spy pond tennis	CHECKED: ADL	SCALE: AS NOTED

L.3



TENNIS COURT LAYOUT NOTES

1. ALL MEASUREMENTS FOR COURT MARKINGS ARE TO THE OUTSIDE OF LINE EXCEPT FOR THOSE INVOLVING THE CENTER MARK AND CENTER SERVICE LINE WHICH IS EQUALLY DIVIDED BETWEEN THE RIGHT AND LEFT SERVICE COURTS.
2. ALL COURT MARKINGS ARE TO BE 2" WIDE (EXCEPT FOR 1.5" BLENDED COURT LINES, SEE PLANS.)
3. CENTER LINE MARK AT BASELINE IS 4" LONG.
4. ALL LAYOUT AND MARKINGS ARE TO CONFORM WITH USTA SPECIFICATIONS.
5. ALL OVERALL COURT DIMENSIONS ARE TO CENTER OF FENCE LINE.

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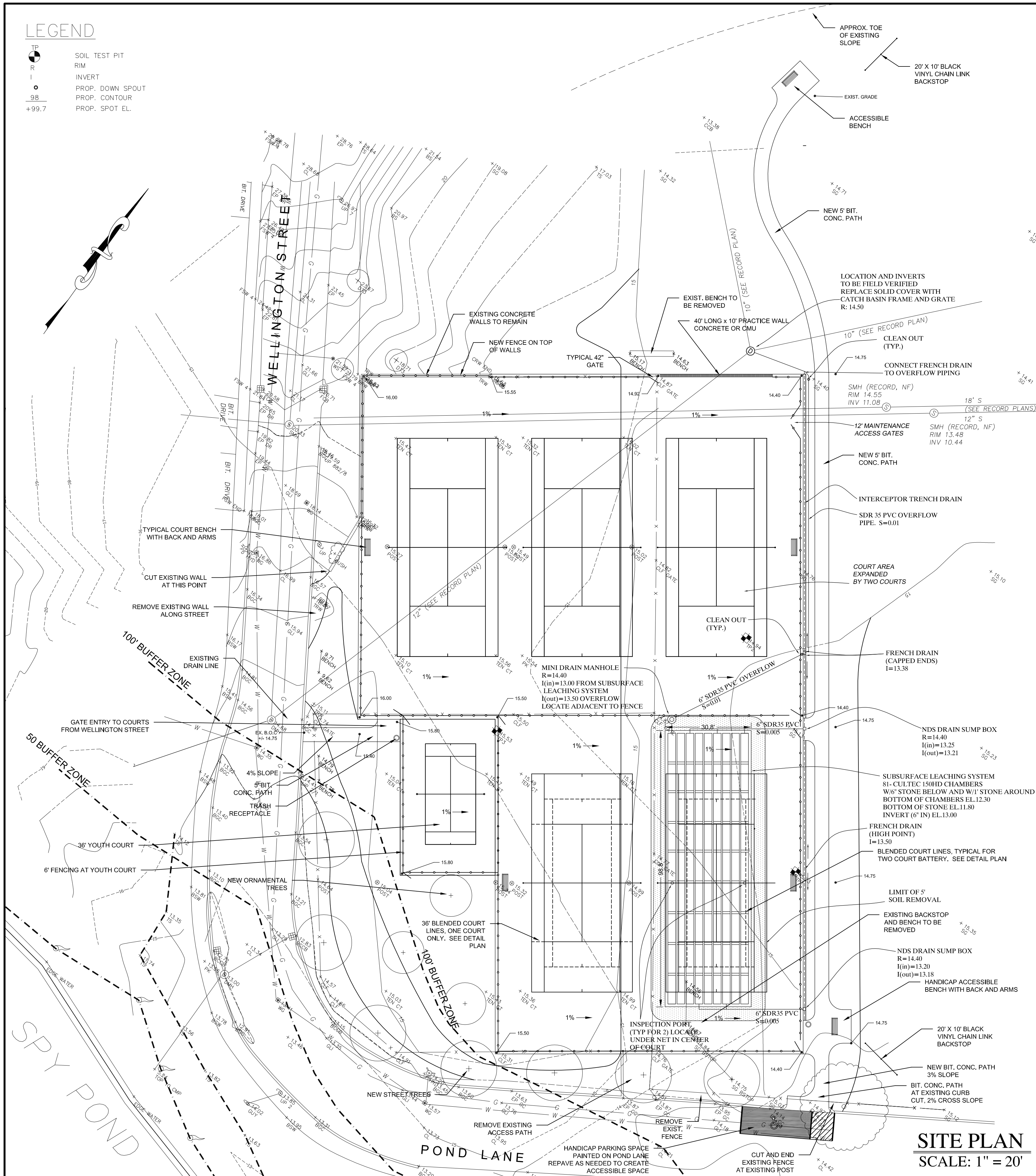
**TENNIS COURT LAYOUT
 AND DETAILS**

JOB NUMBER: 1414	DRAWN: ADL	DATE: 2/25/2015
FILE: ar/parks/spy_pond_tennis	CHECKED: ADL	SCALE: 1" = 20'

L.4

LEGEND

- TP SOIL TEST PIT
- R RIM
- I INVERT
- o PROP. DOWN SPOUT
- o PROP. CONTOUR
- +99.7 PROP. SPOT EL.



SITE PLAN
SCALE: 1" = 20'

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING INFORMATION ON THE GROUND AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER IMMEDIATELY FOR A DECISION PRIOR TO CONSTRUCTION.
2. ALL AREAS OUTSIDE OF THE LIMIT OF WORK LINES SHALL NOT BE DISTURBED IN ANY MANNER BY THE CONTRACT OPERATIONS. THE CONTRACTOR SHALL KEEP OUT OF THESE AREAS AND PRESERVE THEIR EXISTING CHARACTER.
3. INSTALL TEMPORARY EROSION CONTROL MEASURES PRIOR TO CONSTRUCTION FOR APPROVAL BY THE DESIGN ENGINEER.
4. PROVIDE SMOOTH TRANSITION AT CHANGES IN GRADE EXCEPT AS INDICATED ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNDERGROUND UTILITY LINES: ACTIVE OR NOT, AND SHALL MAINTAIN A CLOSE AND CONSTANT CONTACT WITH ALL UTILITY COMPANIES INVOLVED. CALL DIG-SAFE 888-344-7233
6. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS, PERMITTING, AND LICENSES ISSUED AT THE FEDERAL, STATE AND LOCAL AGENCIES.
7. CONTRACTOR SHALL COORDINATE ALL SITE UTILITY IMPROVEMENTS WITH THE TOWN OF ARLINGTON OFFICIALS.
8. ENGINEER IS TO BE CONTACTED BY CONTRACTOR TO PERFORM AS BUILT MEASUREMENTS.
9. OWNER/DEVELOPER IS TO COMPLY WITH ALL OF MASSACHUSETTS DEP SITE DEVELOPMENT REGULATIONS.

LAYOUT & GRADING NOTES

1. CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES PRIOR TO COMMENCING NEW CONSTRUCTION.
2. LOCATION OF EXISTING UTILITIES SHOWN ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL CONTACT THE PROPER AUTHORITIES IN WRITING TO CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE INCURRED DURING CONSTRUCTION TO ANY UTILITY SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
3. CONTRACTOR TO REFER TO A SURVEYOR PLOT PLAN FOR ACCURATE OFFSETS TO TO PROPERTY LINE.

DRAINAGE NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR THE VERTICAL AND HORIZONTAL CONTROLS OF THE PROJECT.
2. INSTALLATION OF THE SUBSURFACE CHAMBERS IS TO BE PERFORMED ACCORDING TO RECOMMENDATIONS FROM THE MANUFACTURER.
3. THE MINIMUM CLEARANCE FROM THE BOTTOM OF THE SUBSURFACE DRAINAGE SYSTEM TO REFUSAL OR GROUNDWATER IS 24 INCHES. IN THE EVENT THAT THIS CLEARANCE CANNOT BE MAINTAINED, ENGINEER IS TO BE NOTIFIED.
4. SYSTEM WILL REQUIRE PERIODIC INSPECTION.

UTILITY NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THIS PLAN, PRIOR TO ANY CONSTRUCTION.
2. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION BEFORE PROCEEDING WITH THE WORK.
3. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON THE FIELD LOCATION OF ALL VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATERGATES, ETC., AND COMPILED FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES.
4. ALL CONTRACTORS SHOULD NOTIFY, IN WRITING, ALL UTILITY COMPANIES OR AGENCIES PRIOR TO ANY EXCAVATION WORK.
5. CALL DIGSAFE AT 1-800-322-4844 AND OBTAIN UTILITY STAKE-OUT PRIOR TO ANY EXCAVATION WORK IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

AS BUILT NOTE:

CONTRACTOR IS TO CONTACT ENGINEER FOR AS-BUILT MEASUREMENTS PRIOR TO BACK FILLING DRAINAGE SYSTEMS.

SOIL TEST DATA
Performed by Gala Simon Associates on July 23, 2014
For Drainage System Design Only

TH1 (EL. 15.2)	Horizon	Depth	Texture	Mottles	Color	Elevation
TH1 (EL. 15.2)	C1	12"	FILL	-	N/A	14.2
	C	90"	MS	-	10YR5/6	7.7
	NO WATER NO REFUSAL NO MOTTLING					
TH2 (EL. 14.9)	Horizon	Depth	Texture	Mottles	Color	Elevation
TH2 (EL. 14.9)	C1	8"	FILL	-	N/A	14.2
	C	72"	MS	-	10YR5/6	8.9
	NO WATER NO REFUSAL MOTTLING @ 61" EL. 9.82					
TH3 (EL. 15.5)	Horizon	Depth	Texture	Mottles	Color	Elevation
TH3 (EL. 15.5)	C1	3.5"	FILL	-	N/A	15.2
	C	55"	MS	-	10YR5/6	10.9
	NO WATER NO REFUSAL NO MOTTLING					

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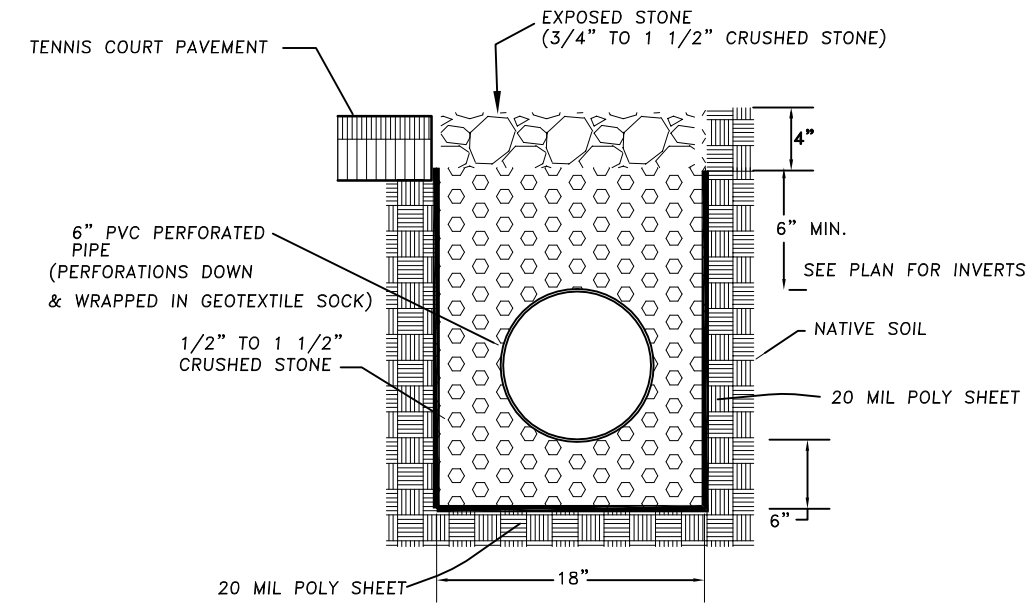
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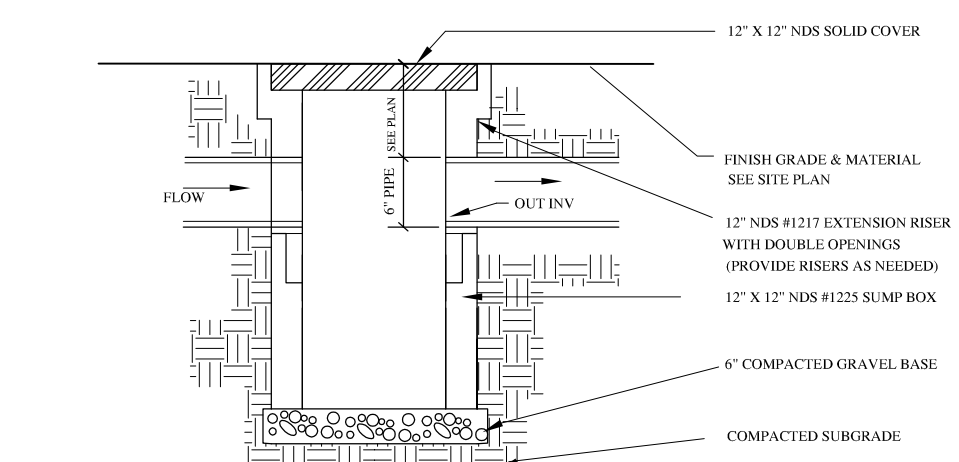
GRADING/DRAINAGE PLAN

JOB NUMBER: 1414	DRAWN: AG	DATE: 2/25/2015
FILE: arlparks/spy_pond_tennis	CHECKED: AG	SCALE: AS NOTED

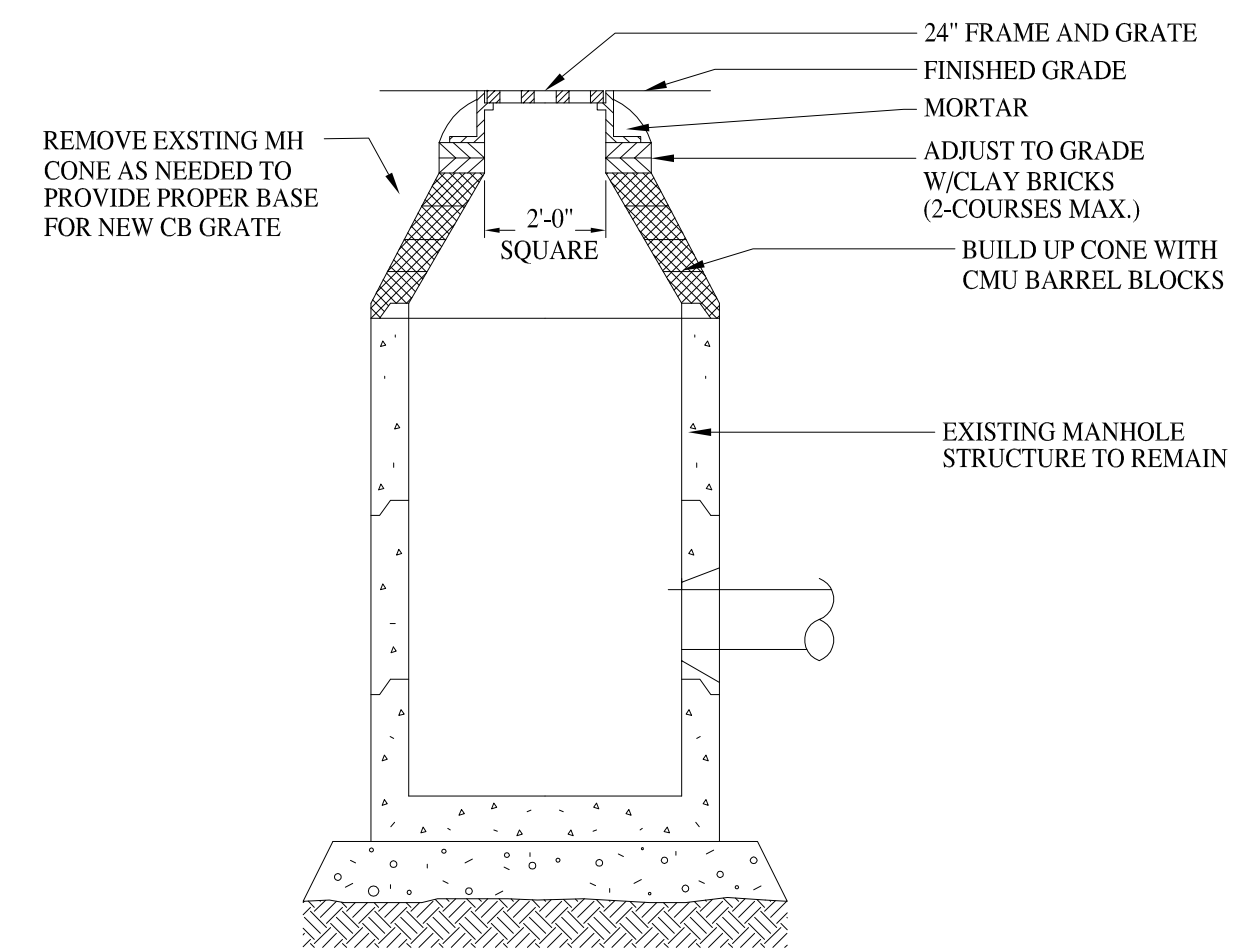
C.1



1 INTERCEPTOR TRENCH (PERF. DRAIN)
C-2 SCALE: NTS



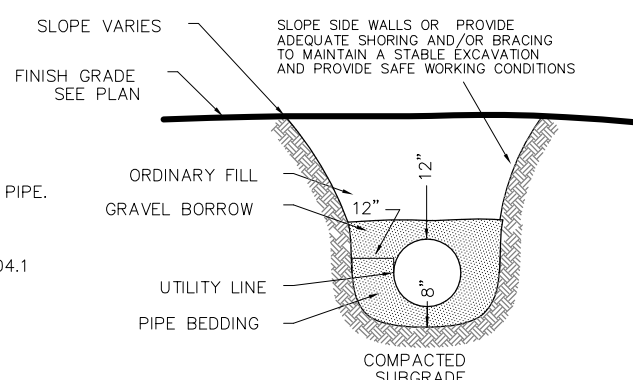
2 NDS DRAIN SUMP BOX
C-2 SCALE: NTS



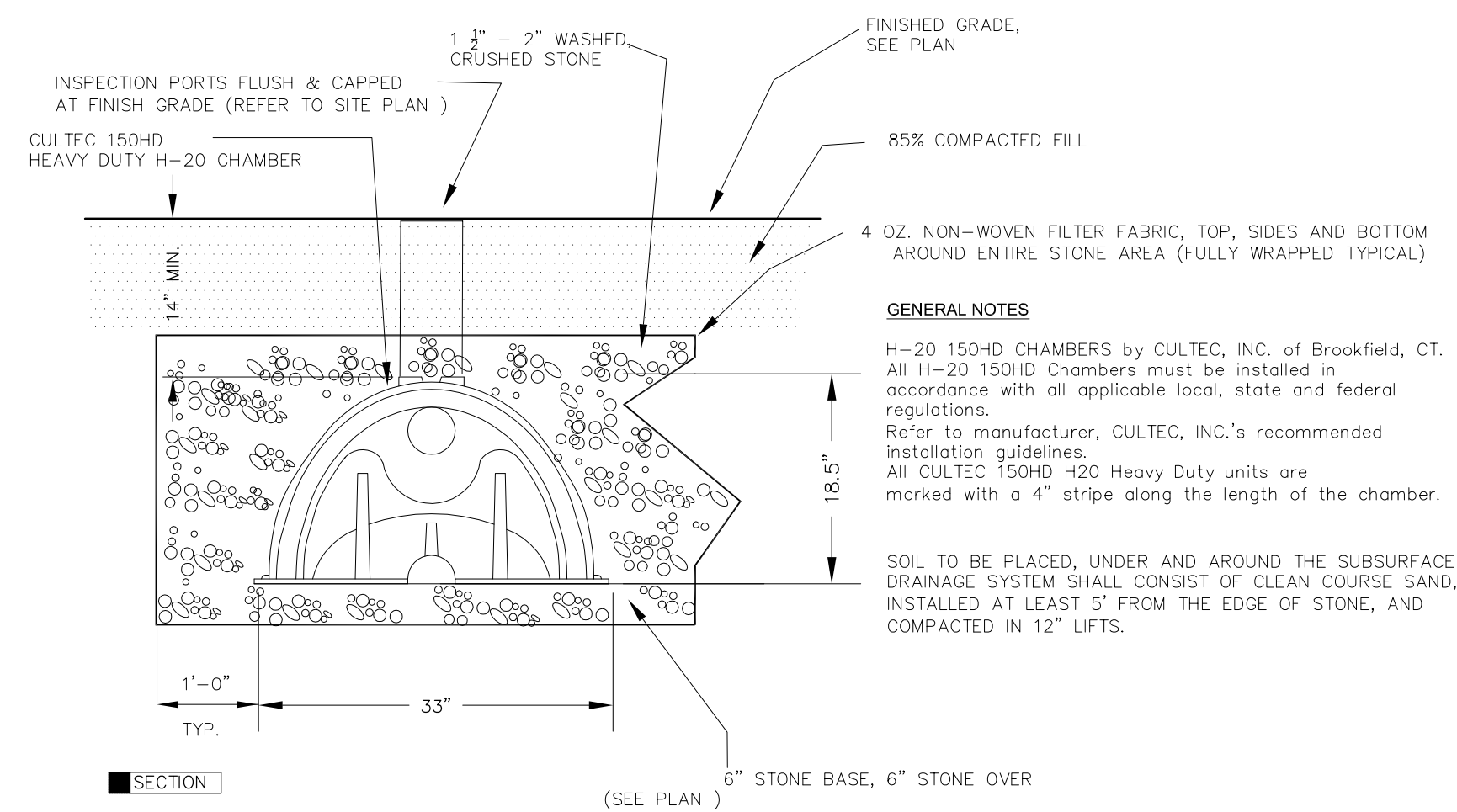
7 CONVERSIONS OF EXISTING MH TO CATCH BASIN
C-2 SCALE: NTS

NOTES:

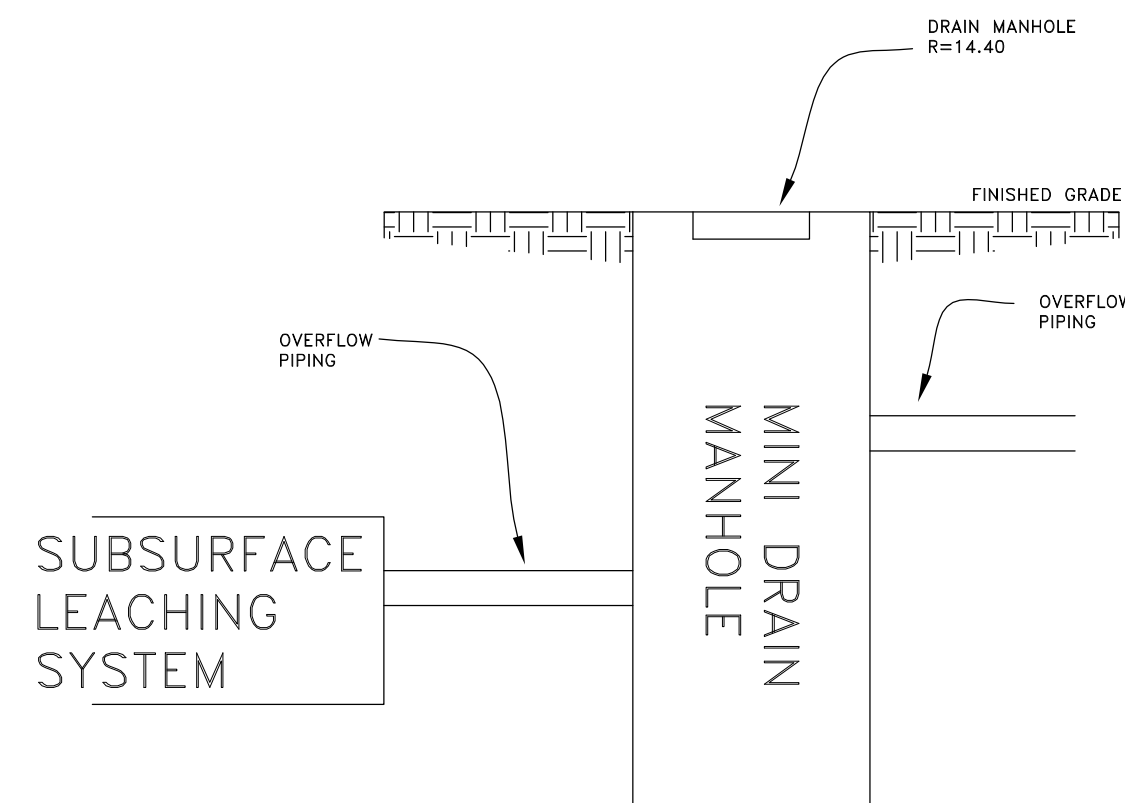
1. 8" SAND CUSHION REQUIRED AT ALL LEDGE OR PIPE CROSSING
2. NO STONE GREATER THAN 3" TO BE PLACED OVER PIPE TO FINISH GRADE
3. NO STONE GREATER THAN 3" WITHIN 12" OF PIPE.
4. GRAVEL BORROW SHALL COMPLY WITH MHD M1.03.0 TYPE C...
5. PIPE BEDDING SHALL COMPLY WITH MHD M1.04.1



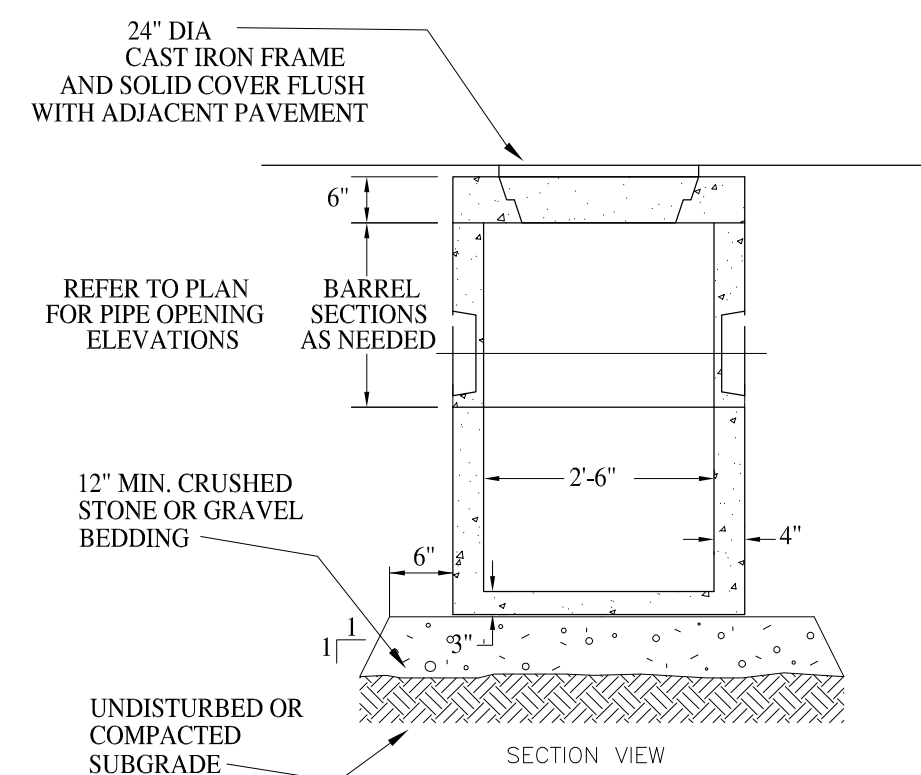
3 TYP. UTILITY TRENCH
C-2 SCALE: NTS



4 H-20 CULTEC 150HD CHAMBER SYSTEM
C-2 SCALE: NTS



5 OVERFLOW DETAIL
C-2 SCALE: NTS



6 MINI DRAIN MANHOLE
C-2 SCALE: NTS

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C.2