

TOWN OF READING

ROBERT W. LELACHEUR, JR.
TOWN MANAGER



LOCUS

CONTRACT 14-13 WASHINGTON PARK IMPROVEMENTS

JUNE 2, 2014

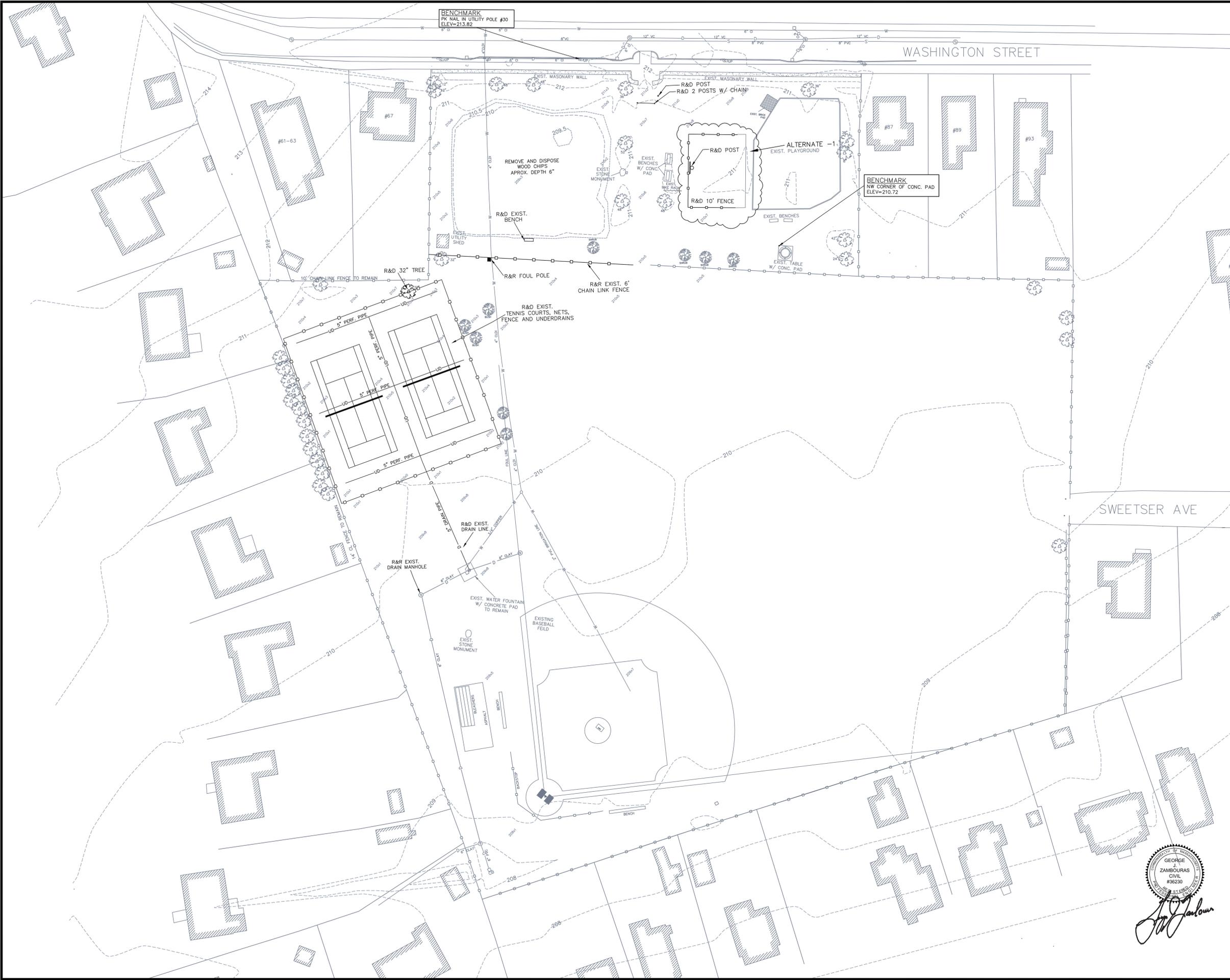
DEPARTMENT OF PUBLIC WORKS

JEFFREY T. ZAGER

D.P.W. DIRECTOR

GEORGE J. ZAMBOURAS

TOWN ENGINEER

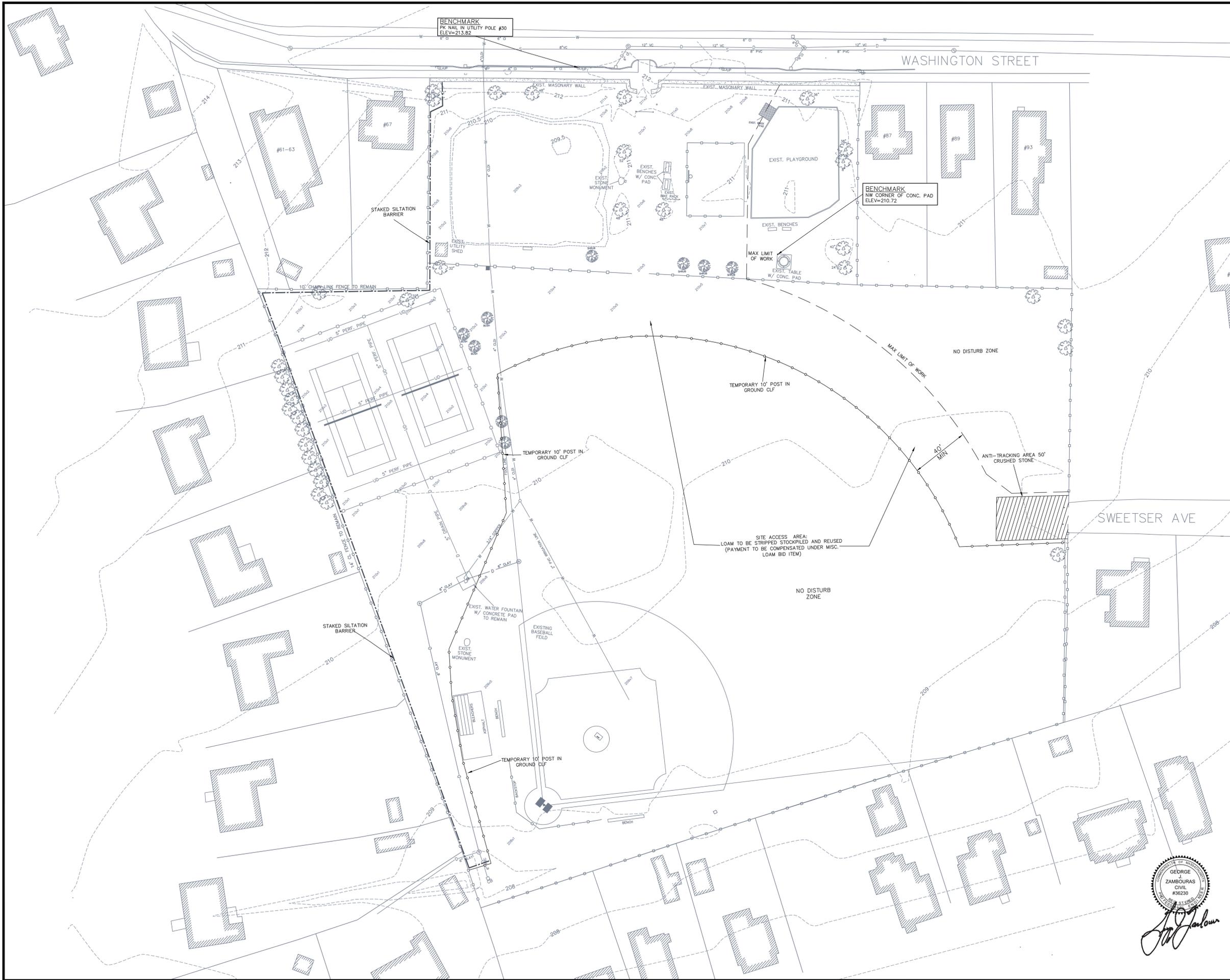


LEGEND:

- W 6" CLDI — W — EXISTING WATER MAIN
- S 6" VC — S — EXISTING SEWER MAIN
- D — D — 12" RCP — EXISTING DRAINAGE
- UD — UD — EXISTING UNDERDRAIN
- - - 217.00 - - - EXISTING CONTOUR
- ○ — ○ — EXISTING FENCE
- ⊗ EXISTING SHRUB
- ⊙ EXISTING TREE
- 210x10 EXISTING SPOT GRADE
- 210x10 PROPOSED SPOT GRADE
- 209 — PROPOSED CONTOUR
- ○ — ○ — PROPOSED FENCE
- ⊕ PROPOSED DRAIN MANHOLE
- ⊕ PROPOSED CATCH BASIN
- ○ — ○ — PROPOSED DRAINAGE
- ○ — ○ — PROPOSED SUB-DRAINAGE PIPE
- R&D REMOVE AND DISPOSE
- R&R REMOVE AND RESET
- F&I FURNISH AND INSTALL

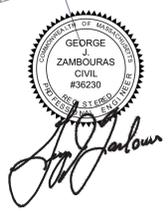


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|---|------------------------|-----------------------------------|
| TOWN OF READING DEPARTMENT OF PUBLIC WORKS | | |
| SCALE : 1" = 30' | APPROVED BY : G.J.Z | DRAWN BY : A.G.M. |
| DATE : JUNE 2, 2014 | | |
| WASHINGTON PARK IMPROVEMENTS | | |
| EXISTING CONDITIONS & DEMOLITION PLAN | | DRAWING NUMBER : 1 OF 5 |

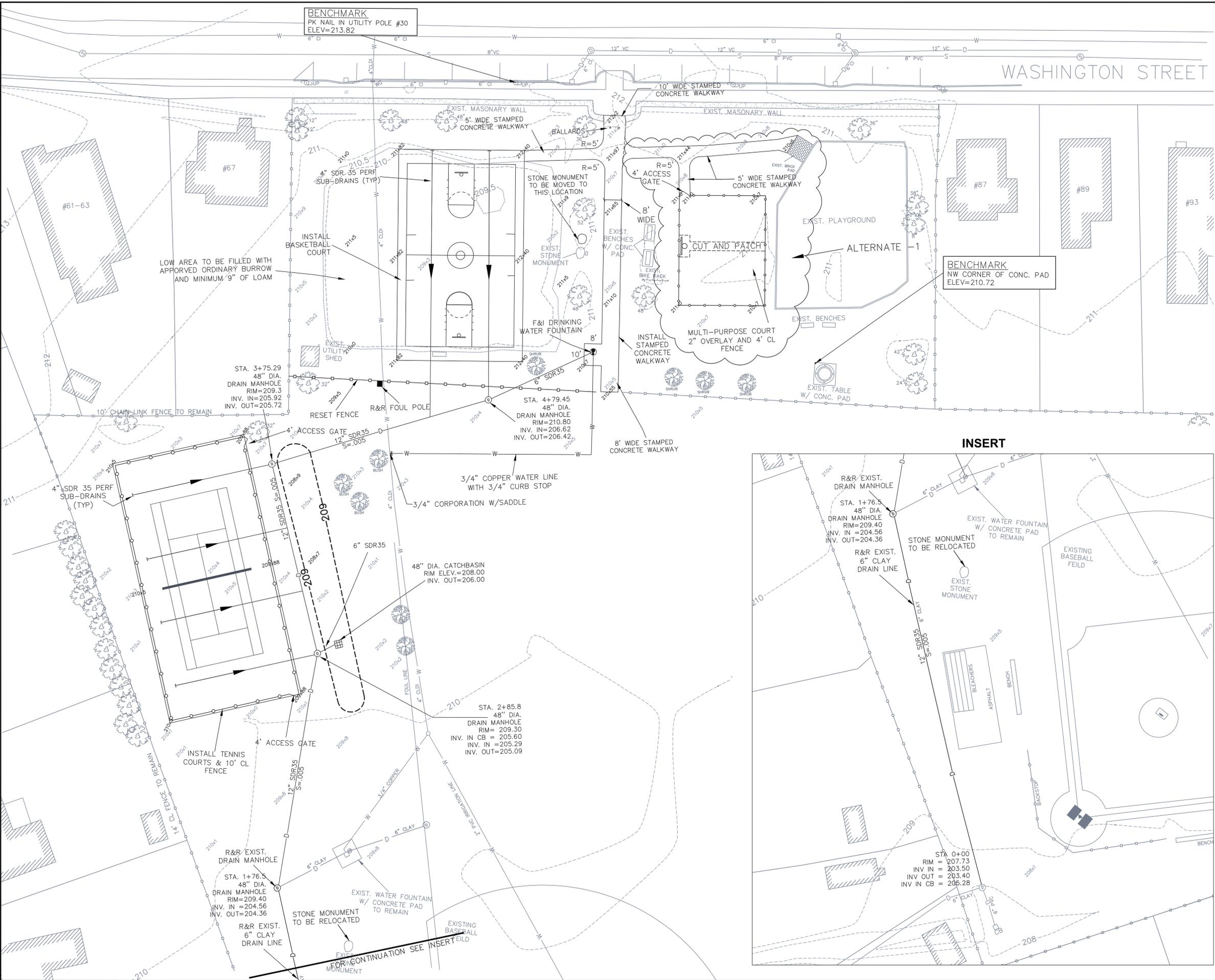


LEGEND:

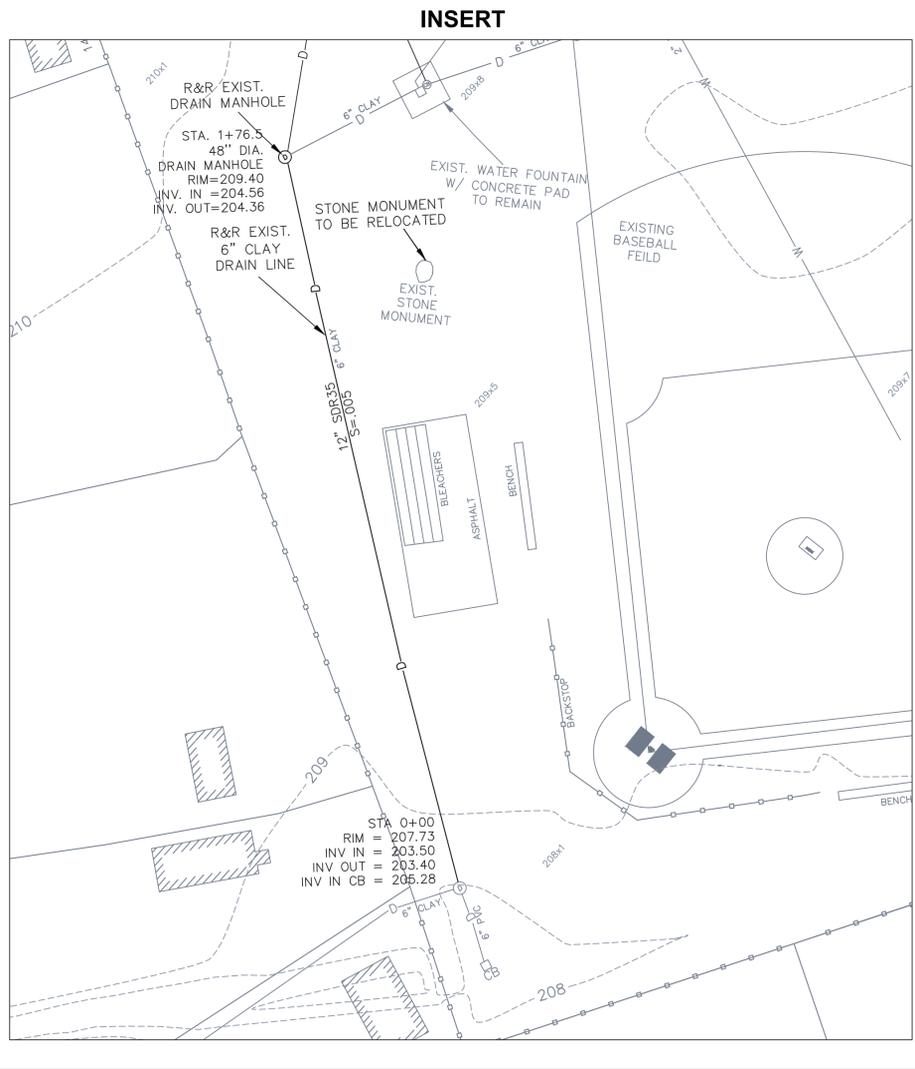
| | |
|--------------------|----------------------------|
| —W— 6" CLDI —W— | EXISTING WATER MAIN |
| —S— 6" VC —S— | EXISTING SEWER MAIN |
| —D— 12" RCP —D— | EXISTING DRAINAGE |
| —UD— UD —UD— | EXISTING UNDERDRAIN |
| ----- 217.00 ----- | EXISTING CONTOUR |
| —○— | EXISTING FENCE |
| ⊗ | EXISTING SHRUB |
| ⊕ | EXISTING TREE |
| 210x10 210x10 | EXISTING SPOT GRADE |
| —209— | PROPOSED SPOT GRADE |
| —○— | PROPOSED CONTOUR |
| —○— | PROPOSED FENCE |
| ⊕ | PROPOSED DRAIN MANHOLE |
| ⊕ | PROPOSED CATCH BASIN |
| 12" PVC SDR 35 | PROPOSED DRAINAGE |
| —○— | PROPOSED SUB-DRAINAGE PIPE |
| R&D | REMOVE AND DISPOSE |
| R&R | REMOVE AND RESET |
| F&I | FURNISH AND INSTALL |
| ----- | STAKED SILTATION BARRIER |



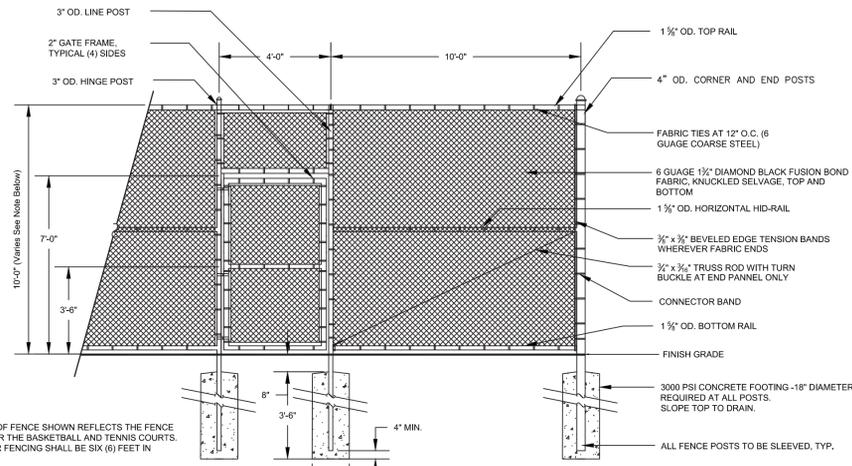
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|---|-----------------------------------|----------------------|
| TOWN OF READING DEPARTMENT OF PUBLIC WORKS | | |
| SCALE : 1" = 30' | APPROVED BY : G.J.Z | DRAWN BY : A.G.M. |
| DATE : JUNE 2, 2014 | | |
| WASHINGTON PARK IMPROVEMENTS | | |
| EROSION / SECURITY CONTROL | DRAWING NUMBER : 2 OF 5 | |



- LEGEND:**
- 6" CLDI
 - 6" VC
 - 12" RCP
 - UD
 - 217.00-
 - EXISTING FENCE
 - EXISTING SHRUB
 - EXISTING TREE
 - 210x10
 - 210x10
 - 209
 - PROPOSED FENCE
 - PROPOSED DRAIN MANHOLE
 - PROPOSED CATCH BASIN
 - PROPOSED DRAINAGE
 - PROPOSED SUB-DRAINAGE PIPE
 - R&D
 - R&R
 - F&I



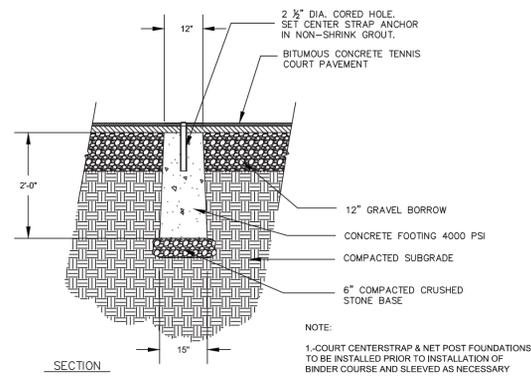
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| TOWN OF READING DEPARTMENT OF PUBLIC WORKS | | |
| SCALE : 1" = 20' | APPROVED BY : G.J.Z | DRAWN BY : A.G.M. |
| DATE : JUNE 2, 2014 | | |
| WASHINGTON PARK IMPROVEMENTS | | |
| CONSTRUCTION PLAN | DRAWING NUMBER : 3 OF 5 | |



NOTE:
 1. HEIGHT OF FENCE SHOWN REFLECTS THE FENCE HEIGHT FOR THE BASKETBALL AND TENNIS COURTS. PERIMETER FENCING SHALL BE SIX (6) FEET IN HEIGHT.
 2. GATES IN PERIMETER FENCING SHALL BE SIX (6) FEET IN HEIGHT.
 3. ALL OTHER COMPONENTS DEPICTED BY THIS DETAIL SHALL APPLY TO ALL FENCE INSTALLATIONS.
 4. ALL POST FOUNDATIONS TO BE INSTALLED PRIOR TO INSTALLATION OF BINDER COURSE.

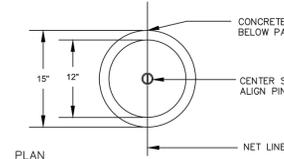
TYPICAL FENCE AND GATE SECTION VIEW

NOT TO SCALE



NOTE:
 1. COURT CENTERSTRAP & NET POST FOUNDATIONS TO BE INSTALLED PRIOR TO INSTALLATION OF BINDER COURSE AND SLEEVED AS NECESSARY.

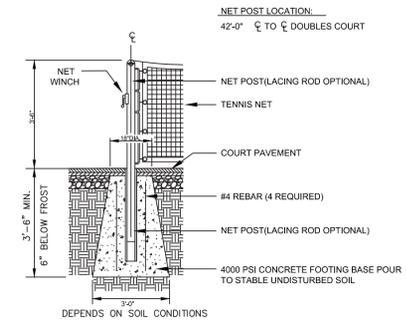
SECTION



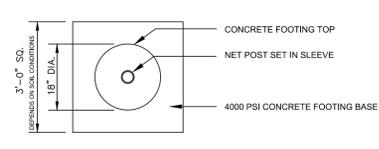
PLAN

TYPICAL TENNIS NET CENTER STRAP ANCHOR

NOT TO SCALE



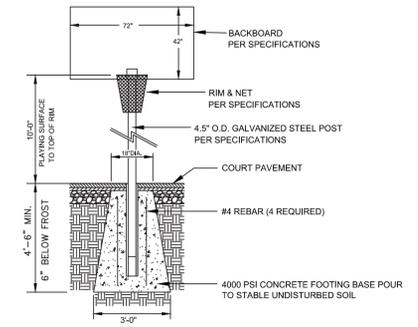
SECTION



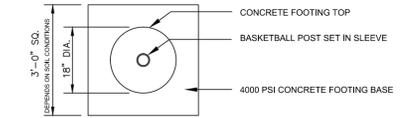
PLAN

TYPICAL TENNIS NET POST FOOTING

NOT TO SCALE



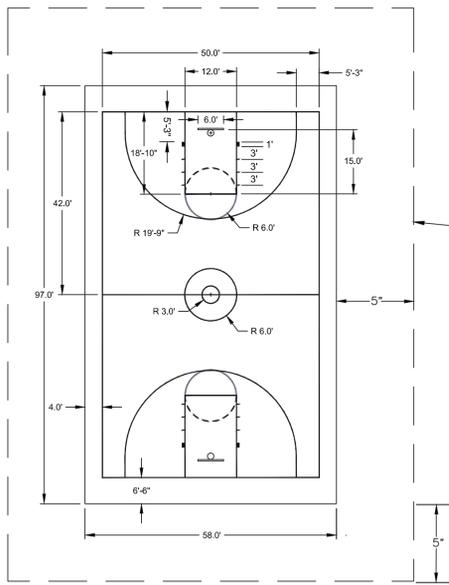
SECTION



PLAN

TYPICAL BASKETBALL POST WITH FOOTING

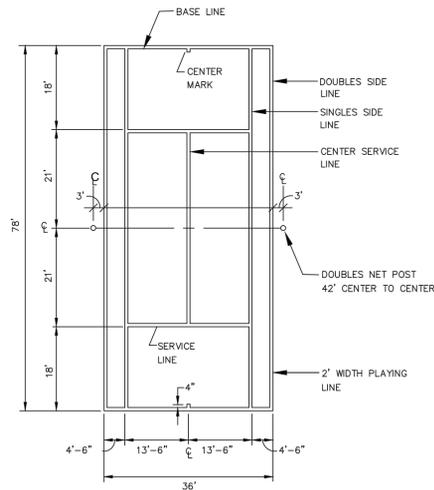
NOT TO SCALE



NOTES:
 ALL DIMENSIONS ARE TO THE OUTSIDE EDGE OF LINES.
 ALL PLAYING LINES ARE 2\"/>

BASKETBALL COURT LAYOUT AND STRIPING

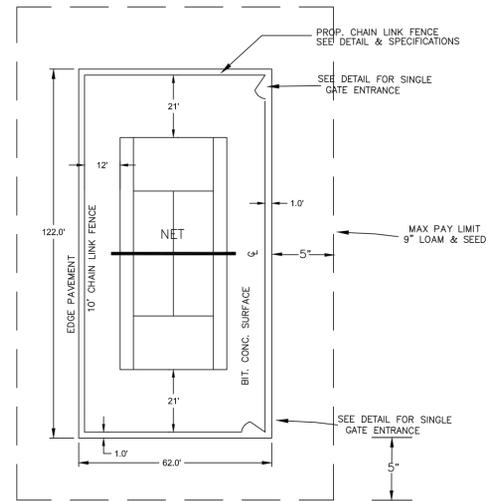
NOT TO SCALE



NOTES:
 ALL DIMENSIONS ARE TO THE OUTSIDE EDGE OF LINES.
 ALL PLAYING LINES ARE 2\"/>

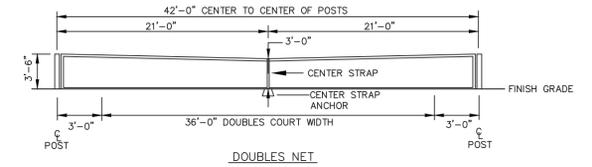
TENNIS COURT STRIPING DETAIL

NOT TO SCALE



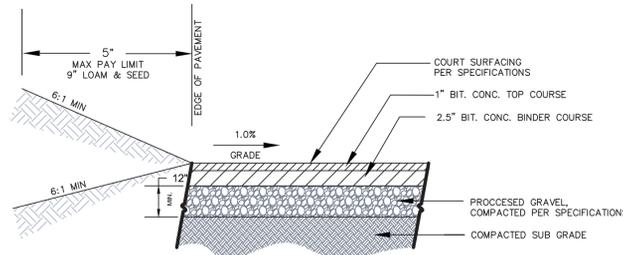
TENNIS COURT LAYOUT

NOT TO SCALE



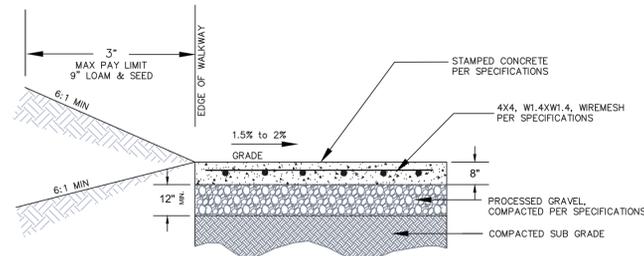
TYPICAL TENNIS NET ELEVATIONS

NOT TO SCALE



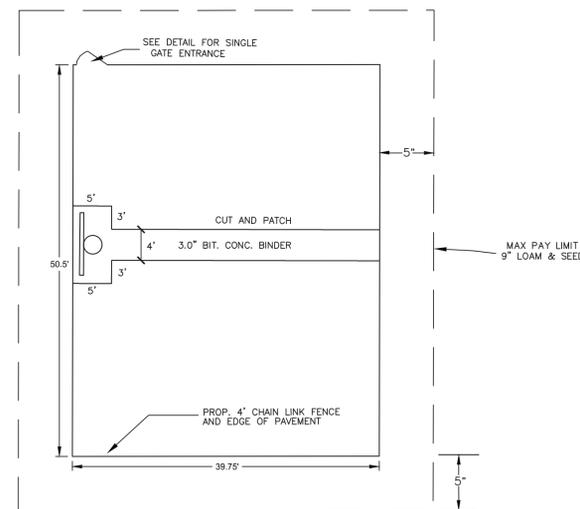
BASKETBALL AND TENNIS COURTS PAVEMENT SECTION

NOT TO SCALE



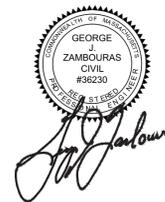
STAMPED CONCRETE WALKWAY SECTION

NOT TO SCALE



MULTI PURPOSE COURT LAYOUT

NOT TO SCALE



**TOWN OF READING
 DEPARTMENT OF PUBLIC WORKS**

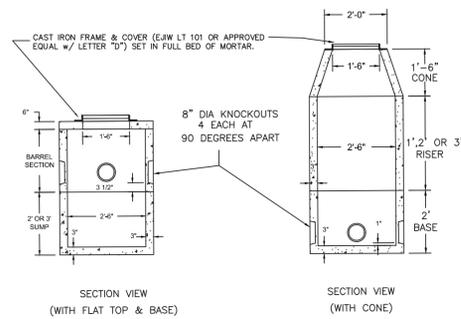
SCALE : NTS APPROVED BY : G.J.Z DRAWN BY : A.G.M.
 DATE : JUNE 2, 2014

WASHINGTON PARK IMPROVEMENTS

DETAILS

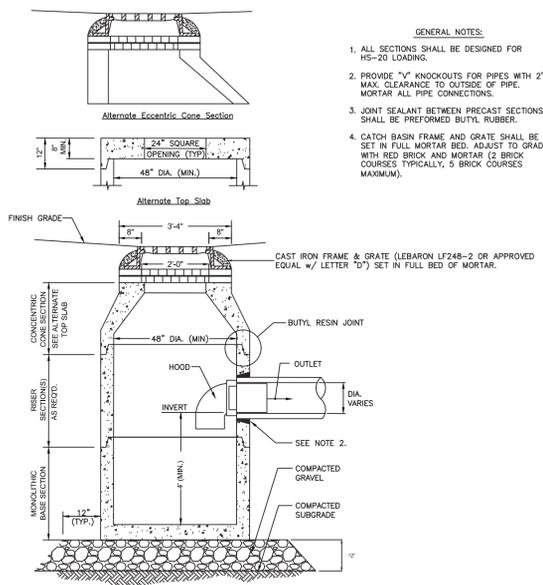
DRAWING NUMBER :

4 OF 5



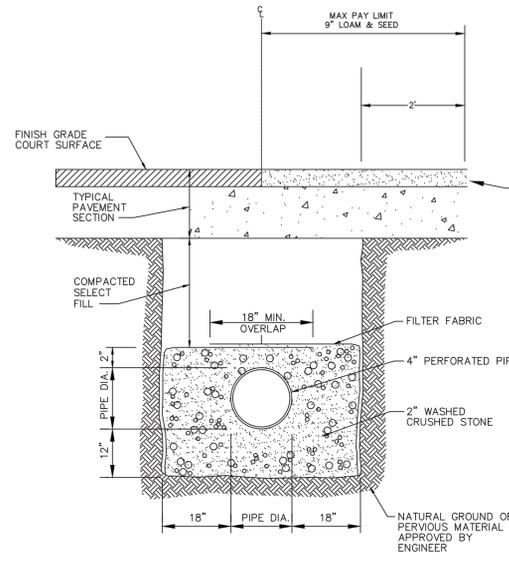
- NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
 2. BUTYL RESIN JOINT CONFORMS TO LATEST ASTM C443 SPEC.
 3. FLAT COVER CAN BE USED IN PLACE OF CONE.
 4. USE CAST IRON FRAME & COVER
 5. HS-20 LOADING REQUIRED

DRAIN MANHOLE SECTION VIEW (DMH) - 2.5' DIA.
NOT TO SCALE

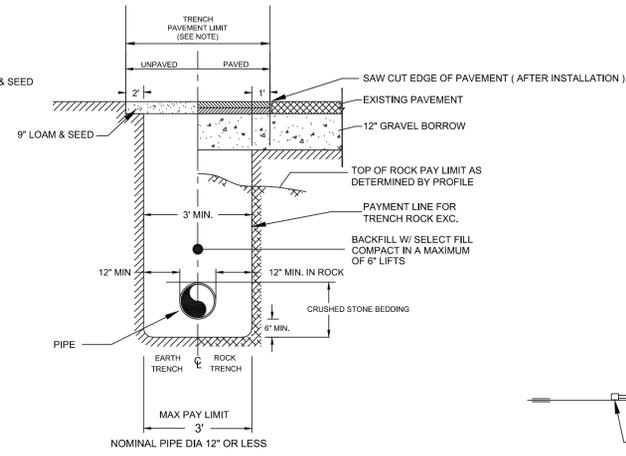


- GENERAL NOTES:
1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
 2. PROVIDE "Y" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
 3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
 4. CATCH BASIN FRAME AND GRATE SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH RED BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM).

CATCH BASIN (CB) WITH HOOD SECTION VIEW
NOT TO SCALE

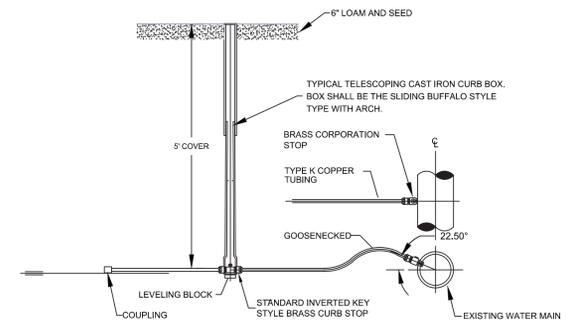


TYPICAL SUB-DRAIN TRENCH DETAIL SECTION VIEW
NOT TO SCALE



- NOTE: WHERE NOMINAL PIPE DIAMETER IS GREATER THAN 12" THE FOLLOWING WILL APPLY:
- 1.) ROCK EXCAVATION MAXIMUM PAY LIMITS:
0-12 FEET DEPTH ROCK/NOMINAL PIPE DIA + 24"
12-20 FEET DEPTH ROCK/NOMINAL PIPE DIA + 48"

TYPICAL TRENCH DETAIL SECTION VIEW 0-12 FEET
NOT TO SCALE



TYPICAL WATER SERVICE
NOT TO SCALE

GENERAL

Pedestal steel fountain with textured powder coat finish and E-Coat immersion for year-round beauty with minimum maintenance. The E-Coat immersion process coats the outside and inside of the fountain for the ultimate in corrosion protection. Contour-formed stainless steel bi-level basins with rounded corners and edges reduces splatter, insures proper drainage and prevents standing waste water. Designed to be easily accessible to both physically challenged and able-bodied individuals. Ideally suited for installation in public areas. Model meets state and federal requirements as defined by the Americans with Disabilities Act.

NO LEAD DESIGN
THIS DRINKING FOUNTAIN COMPLIES WITH THE LEAD-FREE DEFINITION IN THE SAFE DRINKING WATER ACT OF 1996 AND LEAD CONTAMINATION CONTROL ACT OF 1996. Elkay Drinking Fountains are manufactured with a waterway system utilizing copper components and completely lead-free material. These waterways have no lead because all leaded materials, such as leaded brass, have been removed.

CONSTRUCTION
Freeze-Resistant Valve System: Freeze-resistant valve designed for ground installation 18" below the frost line. 60" of access tubing provided with the freeze-resistant valve system. The length of the tubing can be reduced in the field for lesser frost depths.

Bubbler: Vandal-resistant, bubblers are one-piece, chrome-plated with integral hood guard design to prevent contamination from other users, airborne deposits and tampering.

Pushbutton Actuation Mechanism: Self-closing, vandal-resistant pushbuttons do not require grasping or twisting.

Automatic Stream Height Regulator: Self-cleaning assembly is located inside unit to prevent tampering. Unit resists corrosion and timing. A constant stream height is automatically maintained under line pressures that vary from 20 to 105 psi.

Water Inlet: 3/8" female NPT fitting.

Drain Outlet: Drain requirements are detailed in the owner's manual.

Access Panel: Manufactured of heavy-gauge steel with vandal-resistant screws. Provides access for easy hook-up of all plumbing connections.

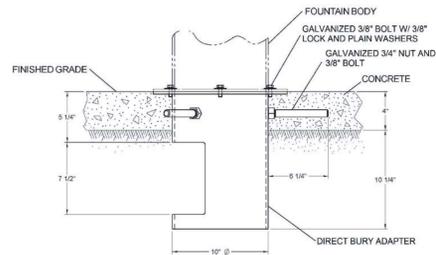
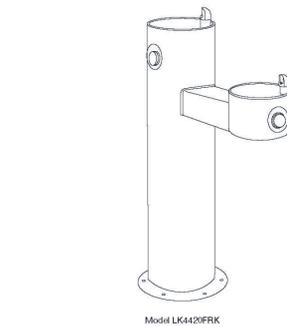
This fountain is ADA compliant.

SUGGESTED SPECIFICATIONS

Fountain shall include pushbuttons on the front and side. Shall include contoured-formed basins to eliminate splashing and standing water, and shall have rounded corners and edges. Projectors shall be chrome-plated vandal-resistant type with integral hood guard and anti-squirt feature. Fountain shall comply with ANSI 117.1 and ADA for visual and motion disabilities. The manufacturer shall certify the unit to meet the requirements of NSF/ANSI 61, and the Safe Drinking Water Act.

Shipping Weight: 175 lbs.

This fountain is certified by WQA to lead-free compliance including NSF/ANSI 61-ANNEX G, AB 1953



ELKY MODEL LK4420 or an Approved Equivalent.
DRINKING WATER FOUNTAIN
NOT TO SCALE

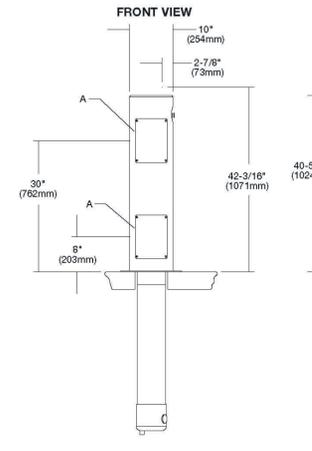
MOUNTING INSTRUCTIONS and PLUMBING INSTRUCTIONS

Site and drainage excavation is required for fountain installation. Provide solid, well-drained site and drainage surface to mount pedestal fountain (concrete pad recommended). (6) 1/2" anchor bolts (not included) should be attached firmly to mounting surface in order to secure fountain. Refer to rough-in diagram and be sure to allow an opening for the freeze-resistant valve in the ground as shown in the installation instructions that accompany the fountain. Refer to local codes for any additional requirements.

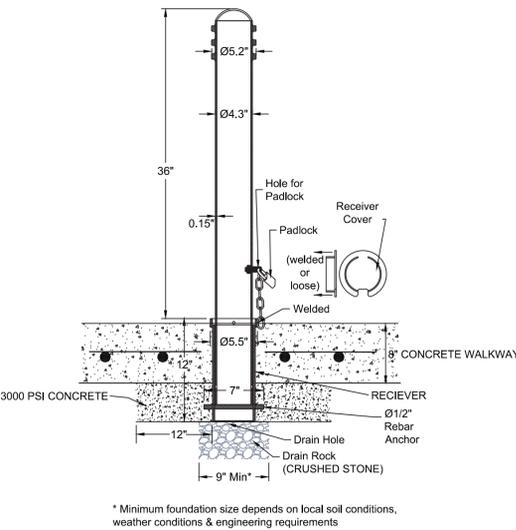
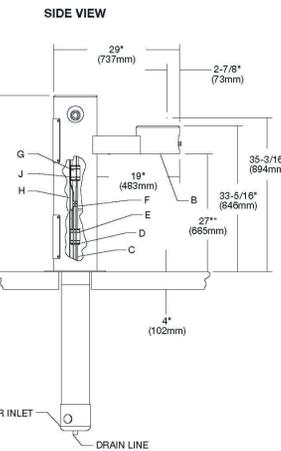
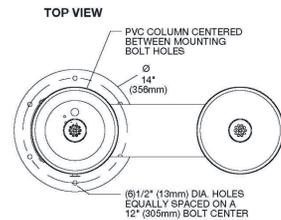
NOTE: Fountain is not furnished with service valve. Assemble fountain to prepared site and mounting pad. Position pedestal over plumbing and secure base to anchor bolts. Remove access panels and connect supply and water lines. Turn on water supply and check for leaks. Refer to owner's manual for detailed instructions.

Service stop not included.

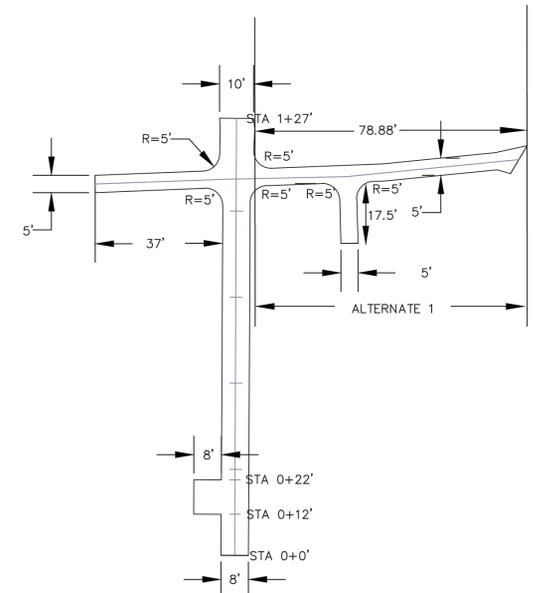
Operating Pressure: Supply water - 105 psi maximum.



- LEGEND
- A = ACCESS PANEL (8" X 10")
 - B = REMOVABLE BOTTOM COVER
 - C = 1" PVC DRAIN
 - D = PRESSURE FITTING 1-1/4" X 3/4"
 - E = CONNECTOR 1-1/4" TO 1-1/4"
 - F = 1-1/4" DRAIN TUBE
 - G = AIR CONTROL LINE
 - H = 1/4" WATER LINE
 - J = CONNECTOR FOR AIR CONTROL LINE
 - *ADA Requirement



RELIANCE FOUNDRY MODEL R-7901 AND R-8902-R or an Approved Equivalent.
REMOVABLE STEEL BOLLARD W/ RECIEVER WITH CHAIN AND COVER
NOT TO SCALE



CONCRETE WALKWAY DIMENSIONS
NOT TO SCALE



| TOWN OF READING DEPARTMENT OF PUBLIC WORKS | | |
|---|--------------------|------------------|
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| DETAILS | DRAWING NUMBER: | 5 OF 5 |