

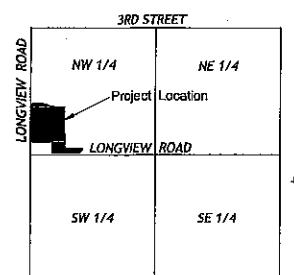
- Legend symbols for construction documents including FOUND SECTION CORNER, FOUND MONUMENT, SET 1/2" X 24" REBAR, BENCHMARK, BOLLARD, CLEANOUT, ROOF DRAIN, MONITORING WELL, FIBER OPTIC MARKER, GATE POST, GAS LINE MARKER, MAILBOX, AC UNIT, CABLE BOX, ELECTRICAL BOX, ELECTRIC METER, ELECTRICAL MANHOLE, GAS METER, GAS VALVE, TELEPHONE BOX, TELEPHONE VAULT, TELEPHONE MANHOLE, FLOOD LIGHT, STREET LIGHT, YARD LIGHT, POWER POLE, GUY POLE, UTILITY POLE, GUY ANCHOR, SIGNAL POLE, SIGNAL BOX, SIGNS, STORM MANHOLE, SANITARY MANHOLE, TREE, CONIFEROUS, TREE, DECIDUOUS, BUSH, WATER METER, WATER VALVE, FIRE HYDRANT, SPOUT, SPRINKLER VALVE, YARD SPRINKLER, UNDERGROUND TELEPHONE, OVERHEAD TELEPHONE, FIBER OPTIC LINE, UNDERGROUND POWER, OVERHEAD POWER, GAS LINE, WATER LINE, UNDERGROUND CABLE, OVERHEAD CABLE, SANITARY SEWER LINE, STORM SEWER LINE, UTILITY EASEMENT, SANITARY SEWER EASEMENT, DRAINAGE EASEMENT, ACCESS EASEMENT, WATERLINE EASEMENT, GAS LINE EASEMENT, BUILDING SETBACK LINE, RESTRICTED ACCESS, MEASURED, PLATTED, DEDICATED, DESCRIBED, LENGTH OF CURVE, RADIUS OF CURVE, CHORD LENGTH, CHORD BEARING.

Residences at New Longview

Construction Documents

Zoning: PMIX

City of Lee's Summit, Jackson County, Missouri



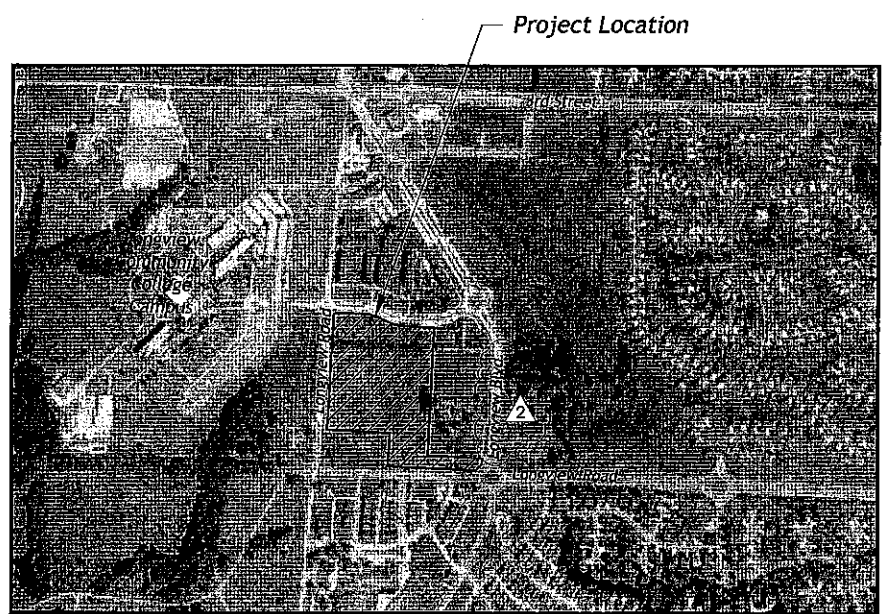
LOCATION MAP
SECTION 10 47N-32W
Scale 1" = 2000'

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GENERAL NOTES

- All construction shall follow the City of Lee's Summit Design and Construction Manual as adopted by Ordinance 5813. Where discrepancies exist between the Final Development Plan and the Design and Construction Manual, the Design and Construction Manual shall govern.
- The contractor will be responsible for securing all bonds and insurance required by the contract documents, City of Lee's Summit, Mo., and all other governing agencies (including local, county, state, and federal authorities) having jurisdiction over the work proposed by these construction documents. The cost for all bonds, and insurance shall be the contractor's responsibility and shall be included in the bid for the work.
- All existing utilities indicated on the drawings are according to the best information available to the engineer; however, all utilities actually existing may not be shown. The contractor shall be responsible for contacting all utility companies for an exact field location of each utility prior to any construction. All utilities, shown and un-shown, damaged through the negligence of the contractor shall be repaired or replaced by the contractor at his expense.
- The contractor will be responsible for all damages to existing utilities, pavement, fences, structures, and other features not designated for removal. The contractor shall repair all damages at his expense.
- The demolition of existing pavement, curbs, structures, and all other features necessary to construct the proposed improvements, shall be performed by the contractor. All waste material removed during construction shall be disposed off the project site. The contractor shall be responsible for all permits for hauling and disposing of waste material. The disposal of waste material shall be in accordance with all local, state, and federal regulations.
- By use of these construction documents the contractor hereby agrees that he shall be solely responsible for the safety of the construction workers and the public. The contractor agrees to hold the engineer and owner harmless for any and all injuries, claims, losses, or damages related to the project.
- The contractor will be responsible for providing all signage, barricades, lighting, etc., as required for temporary traffic control during the construction of this project. Maintenance of the temporary traffic control devices will be the contractor's responsibility. All traffic control in conjunction with construction in the right-of-way shall be in conformance with the City Traffic Control Requirements.
- Contractor shall furnish evidence that his/her insurance meets the requirements of the City of Lee's Summit, Missouri Municipal Code.
- Prior to installing, constructing, or performing any work on the public storm sewer line (including connecting private drainage systems to the storm sewer), contact inspections.
- Connections to the public storm sewers between structures will not be permitted.
- Contractor shall verify and accept existing topography shown herein. Contractor shall notify Engineer if any discrepancies are found prior to any earthwork activities.
- Planning and Codes Administration will require a retaining wall design by a registered engineer in the State of Missouri.
- Geogrid, footings, or other elements of the retaining wall(s) cannot encroach into the right of way or public easements.
- A Knox Box shall be provided for Each Building.
- All building and life safety issues shall comply with the 2012 International Fire Code and local amendments as adopted by the City of Lee's Summit.



VICINITY MAP
NOT TO SCALE

LEGAL DESCRIPTION:

All of Tract 1, TOWER PARK DENTENTION POND, a subdivision of land, according to the recorded plat thereof, and all that part of the Northwest Quarter of Section 10, Township 47 North, Range 32 West, all in the City of Lee's Summit, Jackson County, Missouri, more particularly described as follows:

Commencing at the Southwest corner of the Northwest Quarter of said Section 10; thence North 03°15'08" East, coincident with the West line of said Northwest Quarter, 50.00 feet; thence departing said West line, South 87°10'51" East, 30.00 feet to a point of intersection of the North right-of-way line of SW Longview Road and the East right-of-way line of SW Longview Road, said point being the Point of Beginning; thence North 03°15'08" East, coincident with said East right-of-way line, 1002.29 feet to a point of intersection of the South right-of-way line of Kessler Drive and said East right-of-way line; thence departing said East right-of-way line, and coincident with said South right-of-way line, along the following courses: North 48°15'08" East, 21.21 feet; thence South 86°44'52" East, 204.38 feet; thence Southeasterly, along a tangent curve to the right, having a radius of 244.00 feet, for a distance of 113.82 feet; thence South 60°01'17" East, 0.20 feet; thence Southeasterly, along a tangent curve to the left, having a radius of 356.00 feet, for a distance of 168.83 feet; thence South 87°11'35" East, 180.45 feet; thence Easterly, along a tangent curve to the left, having a radius of 335.00 feet, for a distance of 9.48 feet; thence departing said South right-of-way line, South 02°46'30" West, 949.53 feet to a point on the North right-of-way line of said SW Longview Road; thence North 87°10'51" West, coincident with said North right-of-way line, 690.01 feet to the Point of Beginning, containing 674,305 square feet, or 15.480 acres, more or less.

BENCHMARK:

BM # 1: "+" cut on the Southwest corner of curb inlet located on the South side of Kessler Drive approximately 89 feet Southeast of the intersection of Kessler Drive and Southwest Longview Road.
Elevation: 1003.65

LEGEND

Existing Property Line	Proposed Property Line
Existing Right-of-Way Line	Proposed Lot Line
Existing Easement Line	Proposed Right-of-Way Line
Existing Section Line	Proposed Easement Line
Existing Curb & Gutter	Proposed Building
Existing Storm Sewer	Proposed Curb & Gutter
Existing Sanitary Sewer	Proposed Pavement Marking
Existing Waterline	Proposed Storm Sewer
Existing Overhead Power	Proposed Storm Structure
Existing Underground Power	Proposed Waterline
Existing Gas Main	Proposed Sanitary Sewer
Existing Contours	Proposed Underground Power
	Proposed Detention Pond

UTILITIES

WATER & SANITARY SEWER
City of Lee's Summit Water Utilities
220 SE Green St
Lee's Summit, MO
(816) 969-1900

ELECTRICITY
Kansas City Power and Light
Phone: 816.471.5275

GAS
Missouri Gas Energy
PO Box 219255
Kansas City, Missouri 64141
Phone: 816.756.5252

TELEPHONE
AT&T
Phone: 800.288.2020

Time Warner Cable
Phone: 816.222.5952

CABLE TV
Comcast
Phone: 816.795.1100

Time Warner Cable
Phone: 816.358.8833

CITY OF LEE'S SUMMIT
PUBLIC WORKS DEPARTMENT
DEVELOPMENT ENGINEERING GROUP
STREET: Approved By: [Signature] Date: 3/1/14
TRAFFIC: Approved By: [Signature] Date: 3/1/14
WSS/ST: Approved By: [Signature] Date: 3/1/14
Approval by the City Engineer, or designee does not release the applicant from responsibility to comply with all City of Lee's Summit Ordinances and sound engineering/construction practices.
PW Records PW Insp PW Codes Dev File
P&I/Codes 179

Oil / Gas Well Note:

There is no visible evidence, this date, of abandoned oil or gas wells located within the property boundary, as identified in "Environmental Impact Study of Abandoned Oil and Gas Wells in Lee's Summit, Missouri."

Flood Plain Note

We have reviewed the "Flood Insurance Rate Map", Community Panel Number 29095C0287F & 29095C0289F, both dated September 29, 2006, as published by the Federal Emergency Management Agency. The above rate maps place the property in Zone "X" is defined as areas determined to be outside the 500 Year Flood Elevation.



Know what's below.
Call before you dig.

CONSTRUCTION DOCUMENTS

RECEIVED
JUN 27 2014
Planning & Development

Renaissance Infrastructure





- ### LAYOUT & PAVING NOTES

1. All construction shall conform to the City of Lee's Summit's minimum design standards.
2. The contractor shall check existing grades, dimensions, and inverts in the field and report any discrepancies to the architect/engineer prior to beginning work.
3. The contractor shall verify the exact location of all existing utilities, take care to protect utilities that are to remain, and repair contractor caused damage according to current local standards and at the contractor's expense. coordinate all construction with the appropriate utility company.
4. The contractor shall comply with all local codes, obtain all permits, and pay all fees prior to beginning work.
5. Prior to installing, constructing, or performing any work in the public right of way or on the public storm sewer line (including concrete pavement or connecting private drainage systems to the storm sewer), contact City of Lee's Summit public works at 816.969.1800 for inspection of the work. Contract must be made at least 24 hours prior to start of the work.
6. Provide a smooth transition between existing pavement and new pavement. Field adjustment of final grades may be necessary. Adjust all utilities prior to installation of pavement.
7. The contractor shall protect all trees to remain, in accordance with the specifications. Do not operate or store heavy equipment, nor handle, nor store materials within the driplines of trees or outside the limit of grading.
8. Concrete curbs and pads shall have a broom finish. All concrete shall be 4,000 p.s.i. unless otherwise noted. Curb ramps, sidewalk slopes, and driveway ramps shall be constructed in accordance with all current local requirements. If applicable, the contractor shall request inspection of sidewalk and ramp areas prior to placement of concrete.
9. All damage to existing asphalt pavement to remain which results from new construction shall be replaced with like materials at contractor's expense.
10. Dimensions are to the back of curb, or edge of concrete, unless otherwise noted.
11. Excess material shall be disposed of by the contractor off the owner's property at no additional cost in a legal manner.
12. Maintain one set of as-built drawings on the job site for distribution to the engineer upon completion.
13. Concrete curb at all concrete paving and both side of drive-in ramps shall be integral.
14. Contractor shall be responsible for mud and debris on public ROW which shall be removed in a timely manner daily.

- ### PAVEMENT MARKING AND SIGNAGE NOTES

1. Parking stall marking stripes shall be four inch (4") wide white stripes. Handicap stall marking shall be furnished at locations shown on plans.
2. Traffic control devices and pavement markings shall conform to the requirements of the "Manual of Uniform Traffic Control Devices," and to the City of Lee's Summit.
3. Traffic control and pavement markings shall be painted with a white Sherwin Williams S-W traffic marking series b-28y2 or approved equal. The pavement marking shall be applied in accordance with manufacturers recommendations. Apply on a clean, dry surface and at a surface temperature of not less than 70°F and the ambient air temperature shall not be less than 60°F and rising. Two coats shall be applied.
4. All pavement markings for handicap stalls and aisles shall be blue.

- FOR NON-PUBLIC WORK**

- A. Screened items indicate a pre-construction topographic survey
- B. Connection joints shall conform to APWA Section 2200.
- C. All concrete to be 4000 psi with 5% (+/- 1%) air entrainment. Cement mixtures with water/cement ratios at 0.5 or below are recommended
- D. Construction of reinforced concrete pavements shall be in accordance with ACI 330 standard specifications.
- E. Curing compound to be applied to all concrete surfaces immediately after broom finish.
- F. Contractor shall reject concrete if it cannot be placed within 90 minutes of batch time expiration time shall be reduced to 60 minutes on high summer temperatures.

SITE DATA TABLE

PROPERTY INFO:

Existing Zoning:	PMIX
Total Land Area:	15.480 Acres
Proposed Street Right-of-Way:	0.00 Acres
Net Land Area:	15.480 Acres
Proposed Use:	Planned Mixed Use

EXISTING DETENTION TRACT:

Existing Area: 95,832 S.F. / 2.20 Acres

BUILDING INFO:

BUILDING INFO:

Building 1:	Type A - N (4/5 - 36 Units)
Buildings 2 & 3:	Type C (4/4 - (2) 42 Units)
Building 4:	Type C (5/4 - 48 Units)
Building 5:	Type C (4/4 - 42 Units)
Building 6:	Type B (4/4 - 46 Units)
Building 7:	Type B (5/4 - 53 Units)

PARKING INFO:

PARKING INFO:

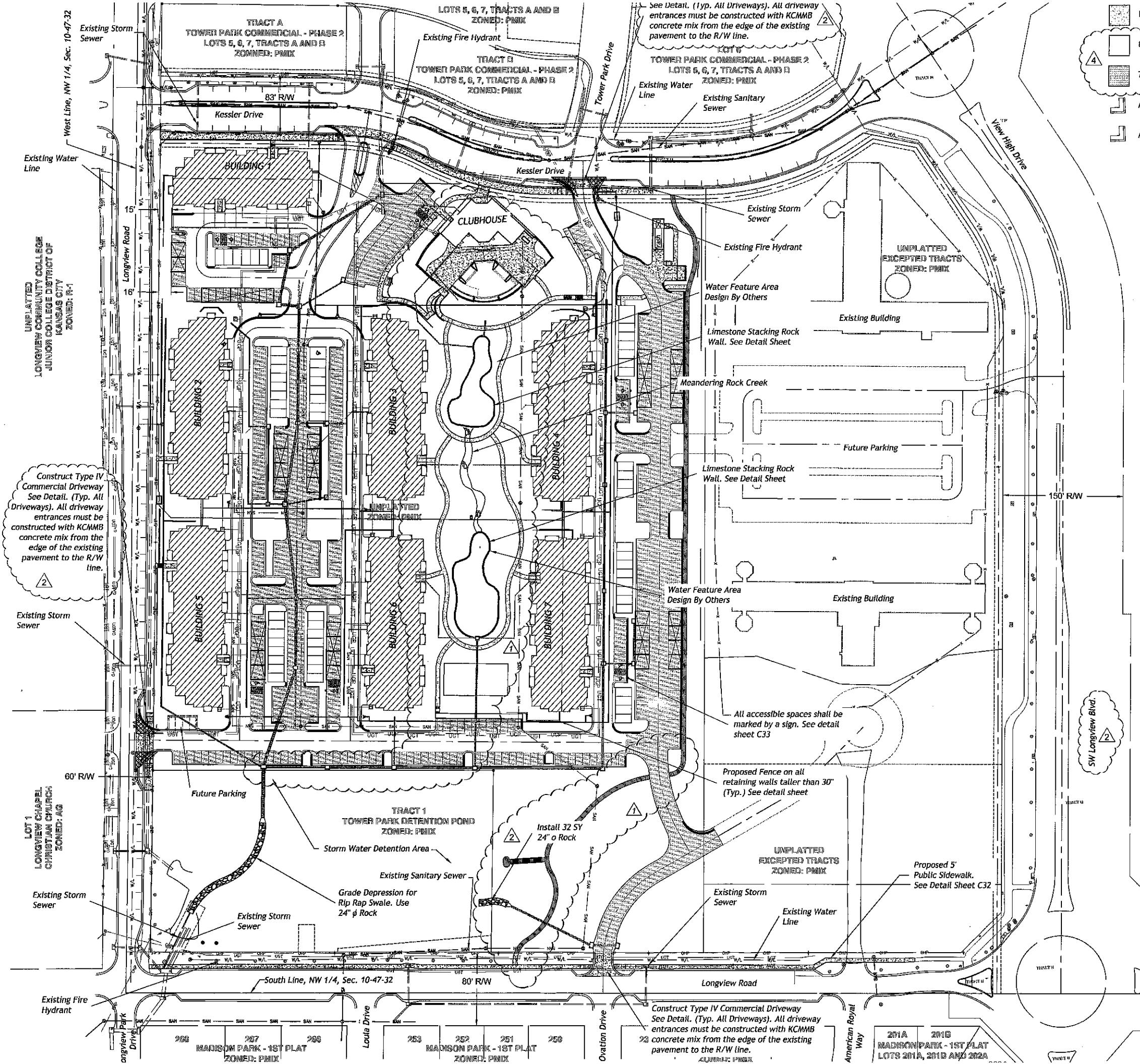
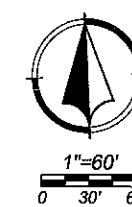
1 Bedroom Apartment	= 157 Units
2 Bedroom Apartment	= 152 Units
Total 1-2 Bedroom Apartments	= 309 Units
1.5 Stalls / 1-2 BR Unit	= 464 Spaces
0.5 Stalls / Unit (Visitor)	= 155 Spaces
Total Parking Required	= 619 Spaces

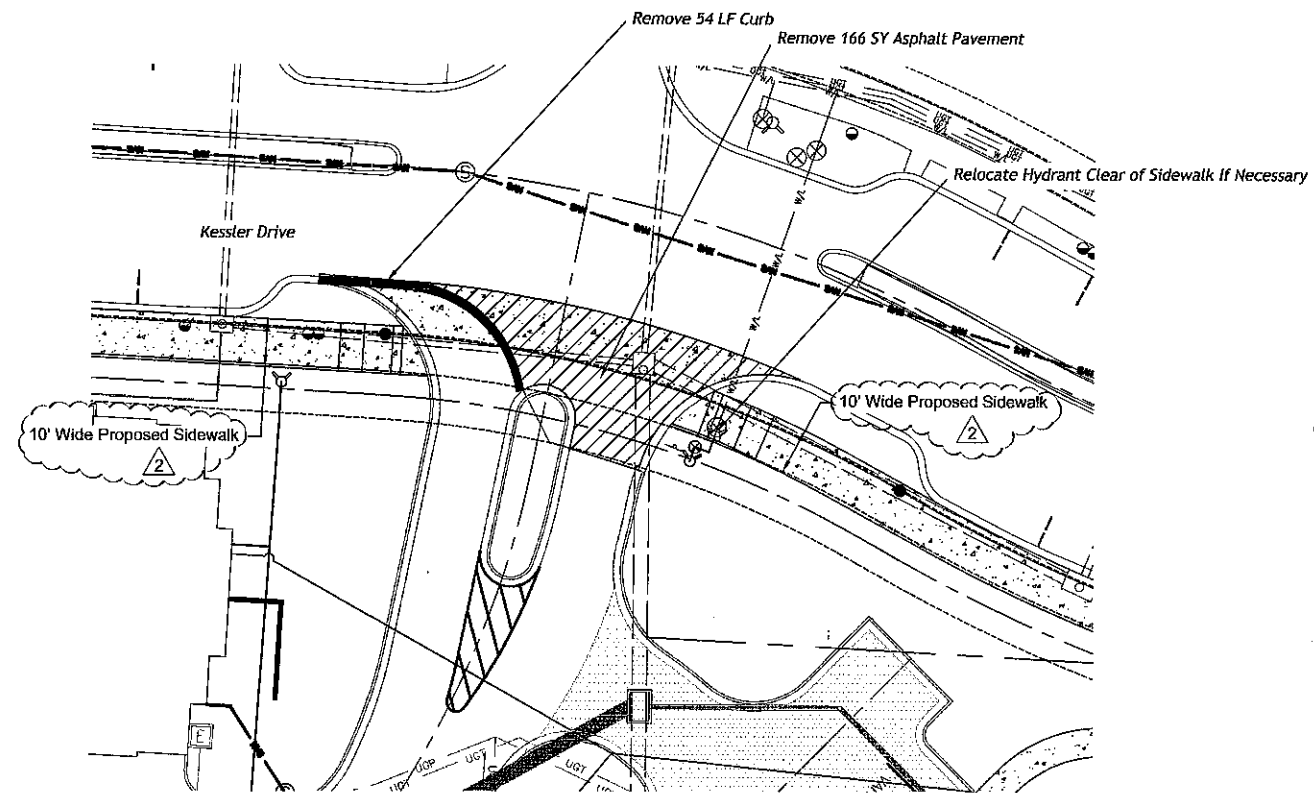
Onsite Parking:

See NSPJ Letter dated 02-14-14 to Hector Solo

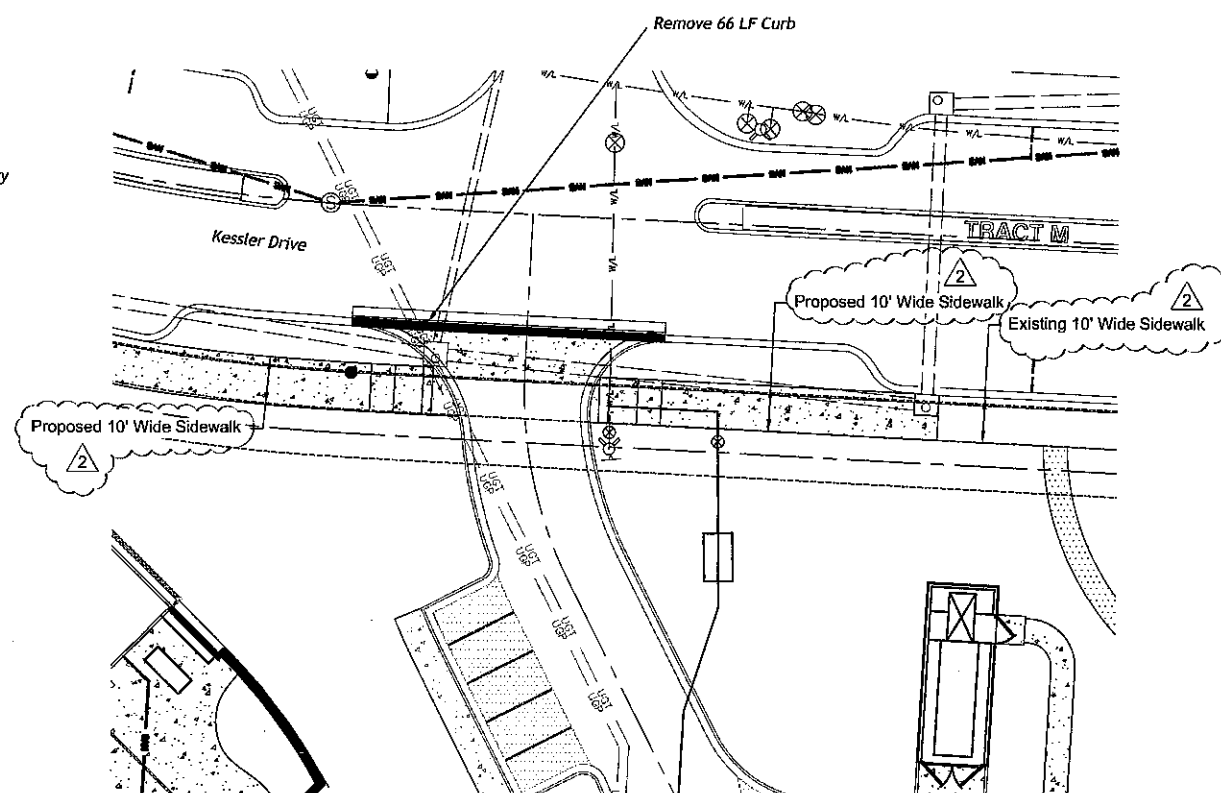
Total Floor Area = 98,750 SF
Total Impervious Area = 7.67 Acres

Floor Area Ratio (FAR) = 0.146
Dwellings (Units) Per Acre = 19.96

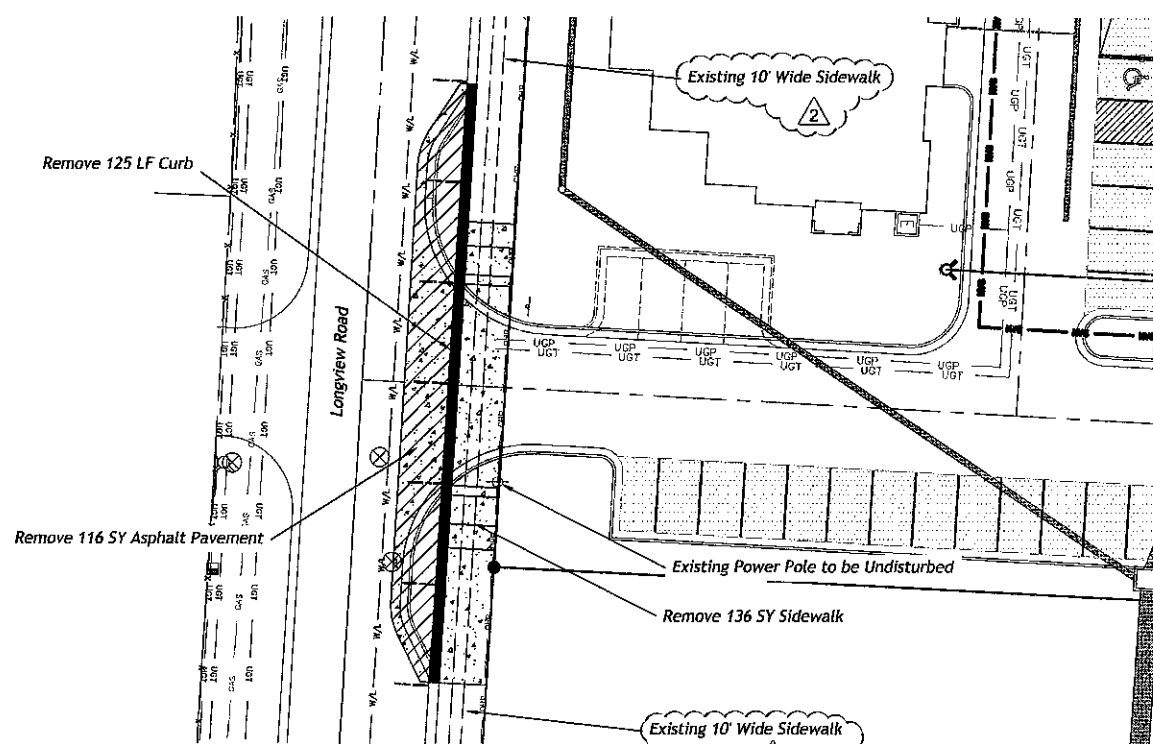




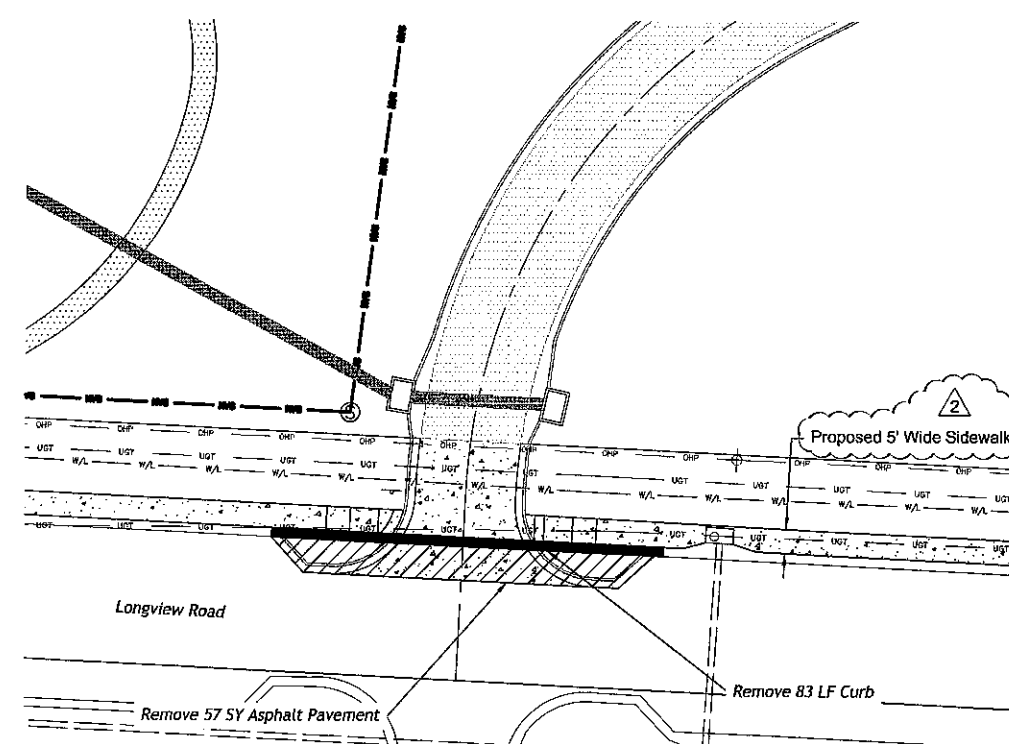
Northwest Kessler Drive Entrance



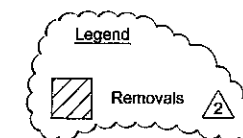
Northeast Kessler Drive Entrance

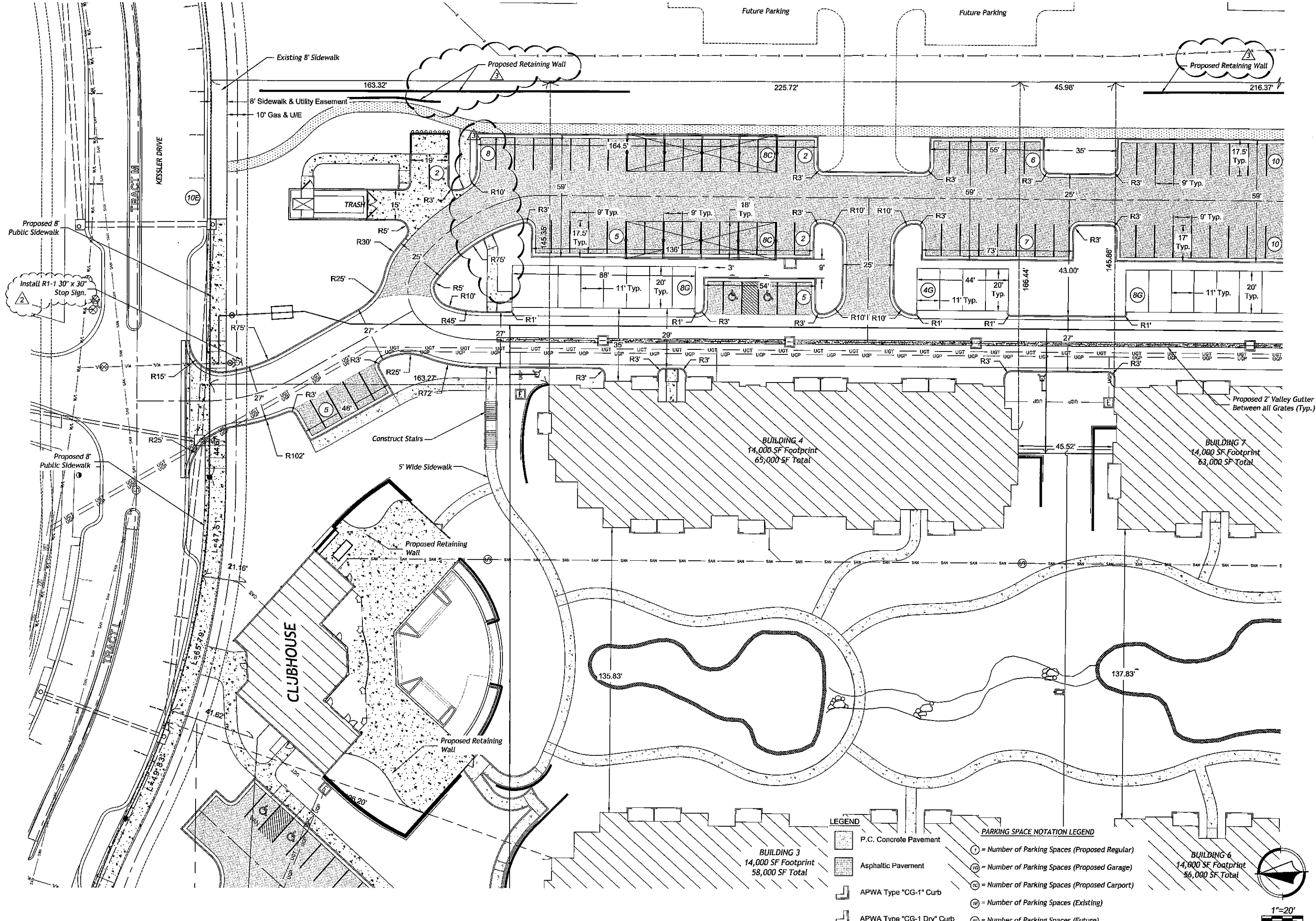


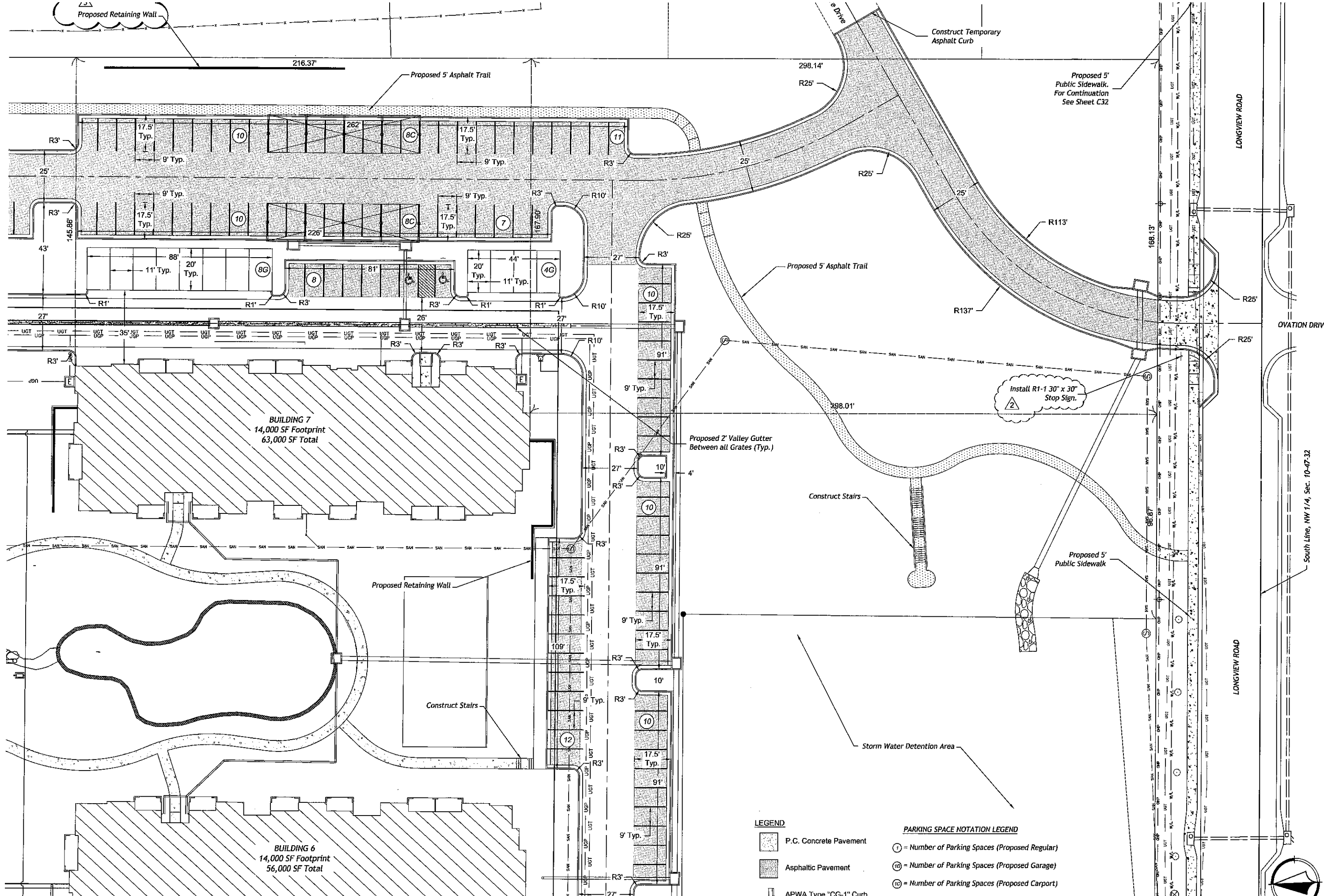
West Longview Road Drive Entrance



South Longview Road Drive Entrance







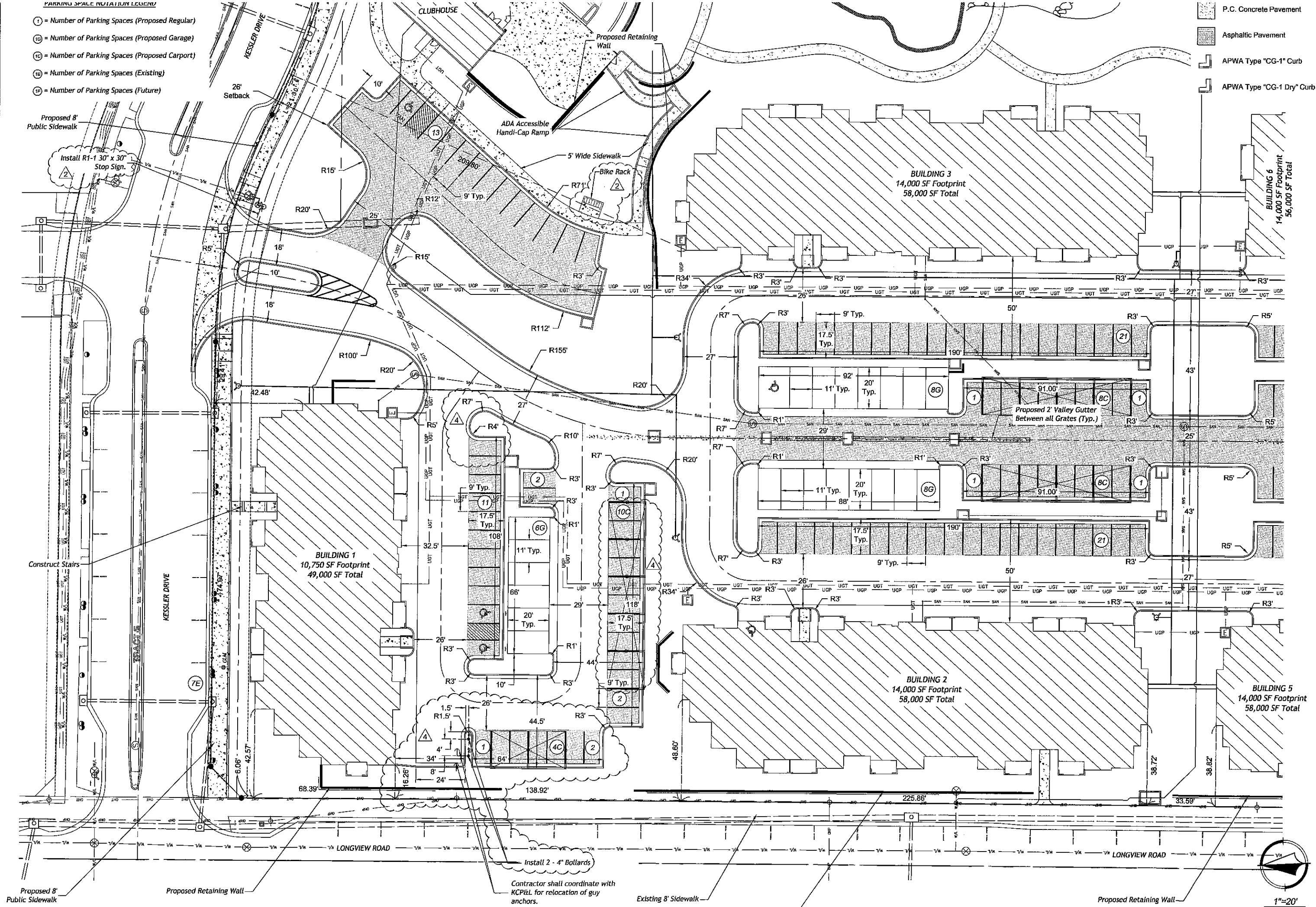
(1) = Number of Parking Spaces (Proposed Regular)
 (1G) = Number of Parking Spaces (Proposed Garage)
 (1C) = Number of Parking Spaces (Proposed Carport)
 (1E) = Number of Parking Spaces (Existing)
 (1F) = Number of Parking Spaces (Future)

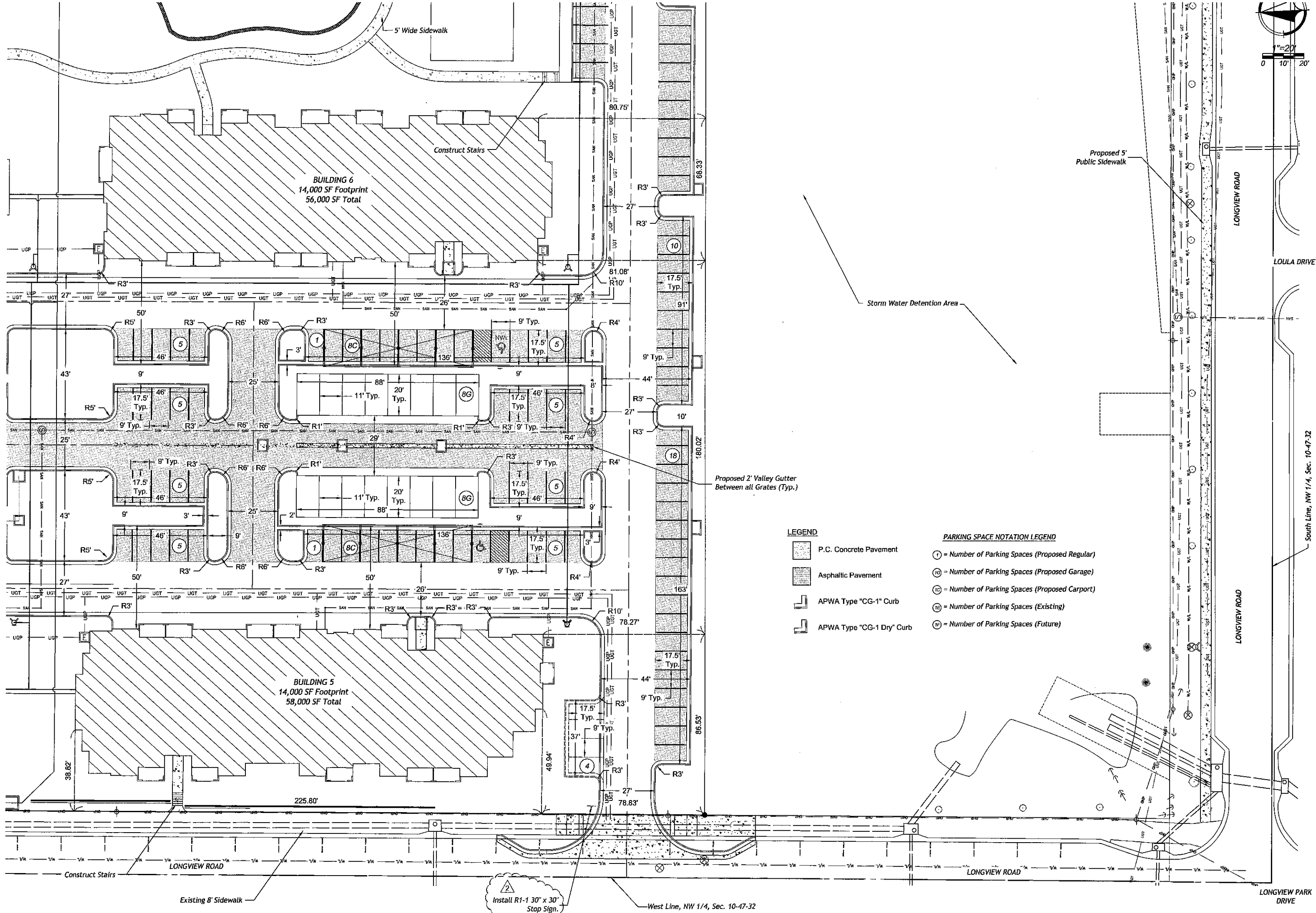
 P.C. Concrete Pavement

 Asphaltic Pavement

 APWA Type "CG-1" Curb

 APWA Type "CG-1 Dry" Curb



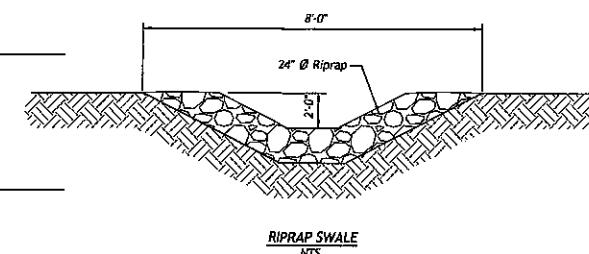
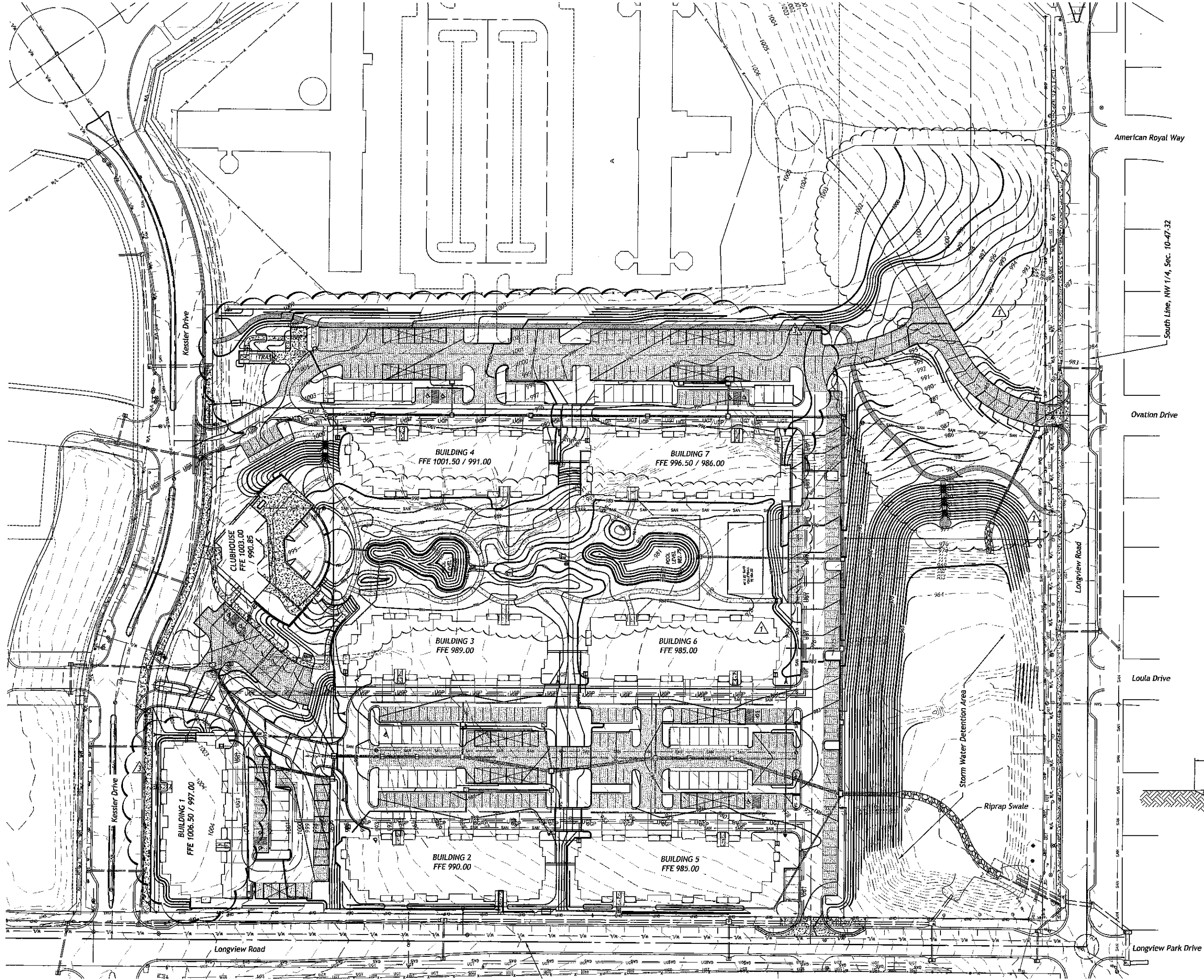


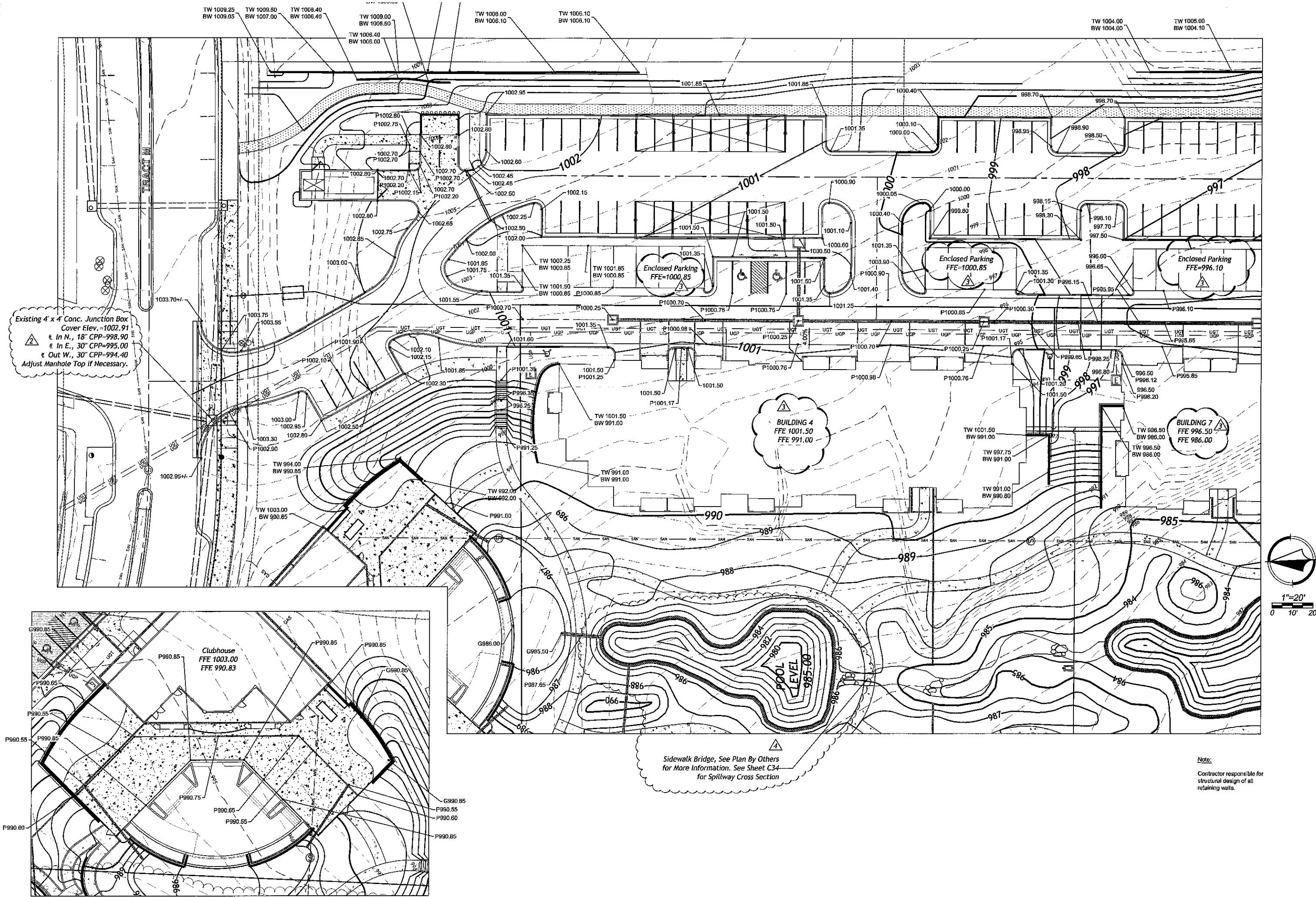
LEGEND

- P.C. Concrete Pavement
- Asphaltic Pavement
- APWA Type "CG-1" Curb
- APWA Type "CG-1 Dry" Curb

PARKING SPACE NOTATION LEGEND

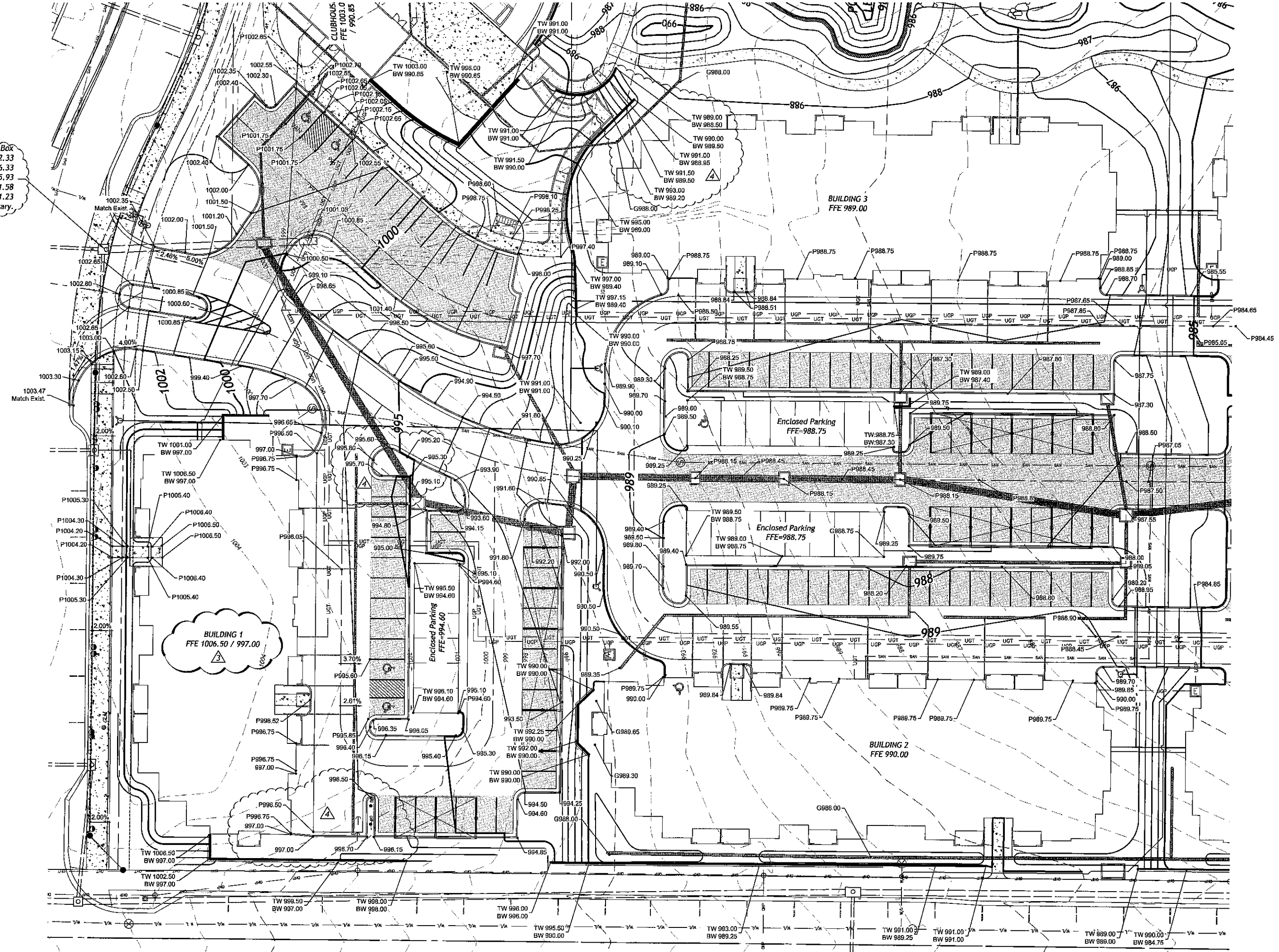
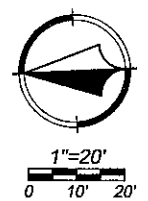
- ① = Number of Parking Spaces (Proposed Regular)
- ⑧C = Number of Parking Spaces (Proposed Garage)
- ⑩ = Number of Parking Spaces (Proposed Carport)
- ⑪ = Number of Parking Spaces (Existing)
- ⑫ = Number of Parking Spaces (Future)





Pool Deck Grading Detail

Existing 4.5' x 4.5' Conc. Junction Box
Cover Elev. = 1002.33
€ In W., 15" CPP=996.33
€ In N., 15" CPP=995.93
€ In SE., 30" CPP=991.58
€ Out S., 36" CPP=991.23
Adjust Manhole Top if Necessary.



Note:

Contractor responsible for
structural design of all
retaining walls

Assembly and Vault per City of Lee's Summit Standards. Install 50 LF 8" C900 PVC to tap (Private).

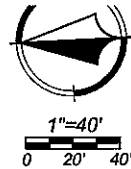
NOTE: See Sheet C33 for Fire Lane Signage.

Construct Hydrant Assembly per City of Lee's Summit Specifications. Install 13 LF 6" C900 PVC. Install Red Paint on Curb (15' Each Side of Hydrant) and Sign indicating "FIRE LANE". (Private)

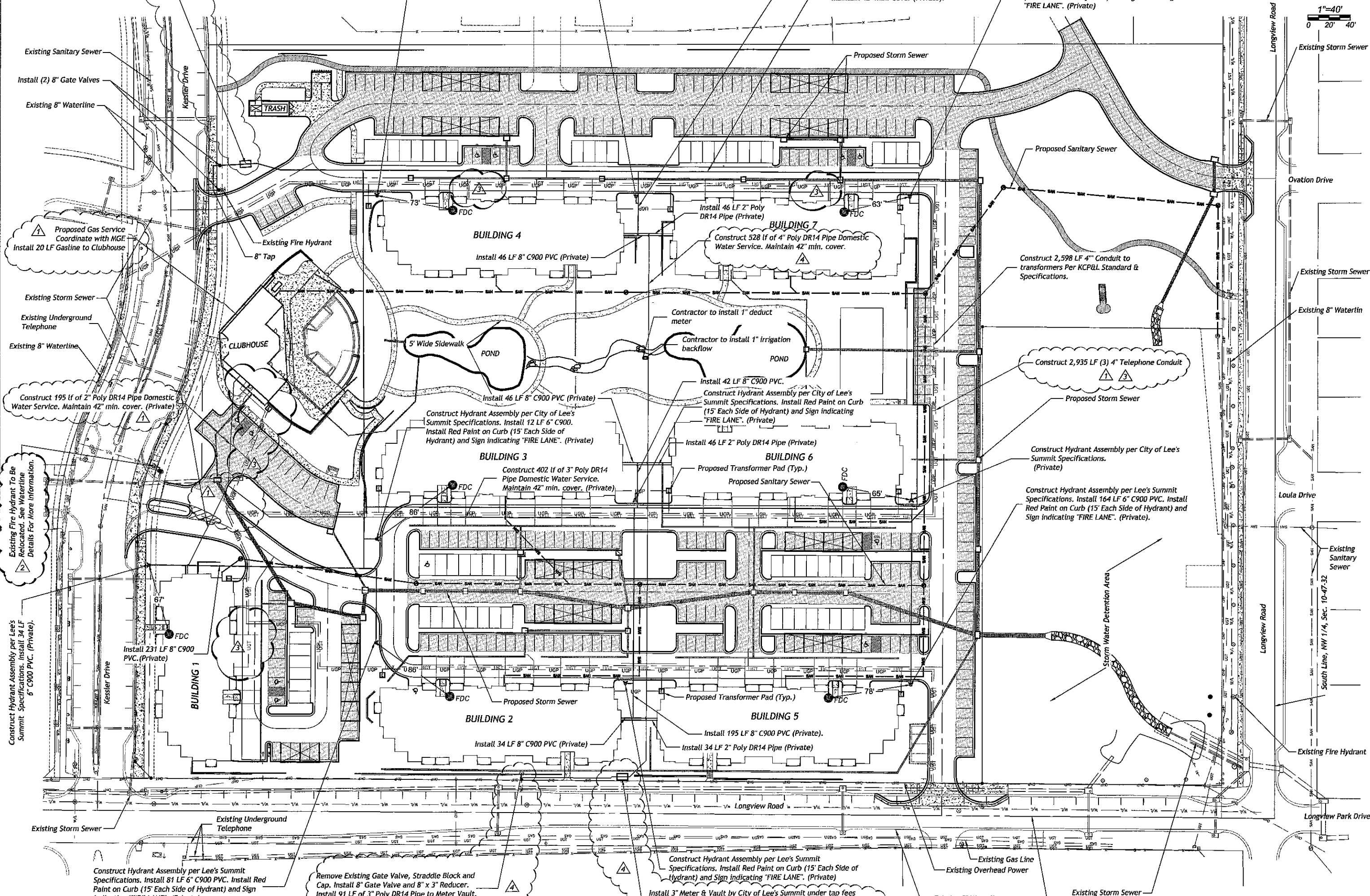
Construct Hydrant Assembly per City of Lee's Summit Specifications. Install Red Paint on Curb (15' Each Side of Hydrant) and Sign indicating "FIRE LANE". (Private)

Construct 1,780 LF 8" C900 PVC w/ Fittings per City of Lee's Summit Specifications. Maintain 42" min. Cover (Private).

Construct Hydrant Assembly per City of Lee's Summit Specifications. Install Red Paint on Curb (15' Each Side of Hydrant) and Sign indicating "FIRE LANE". (Private)



CONSTRUCTION DOCUMENTS



AMENDMENT 4

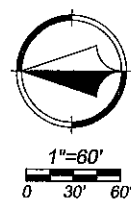
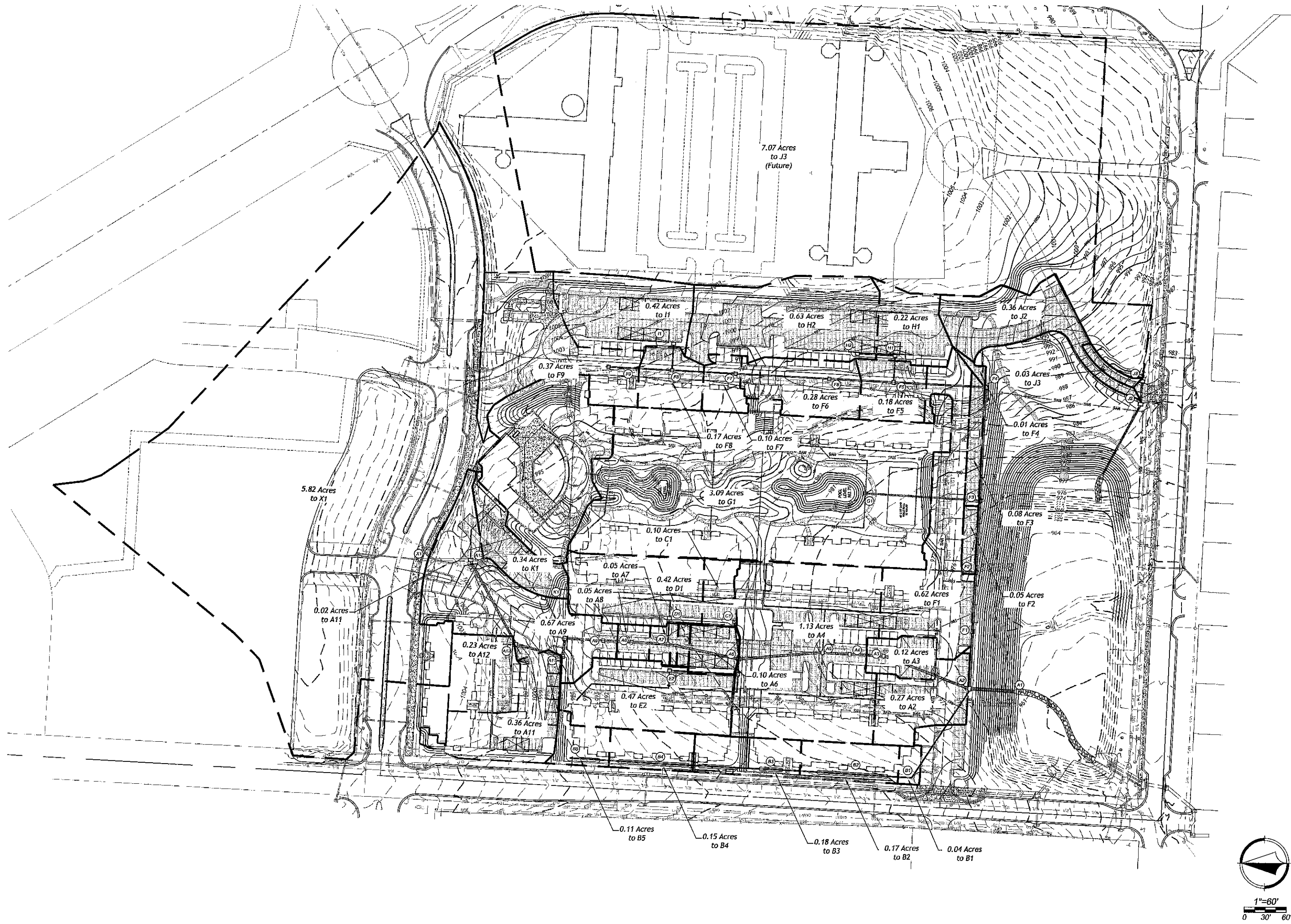
SPW MES 06/27/14

Renaissance Infrastructure

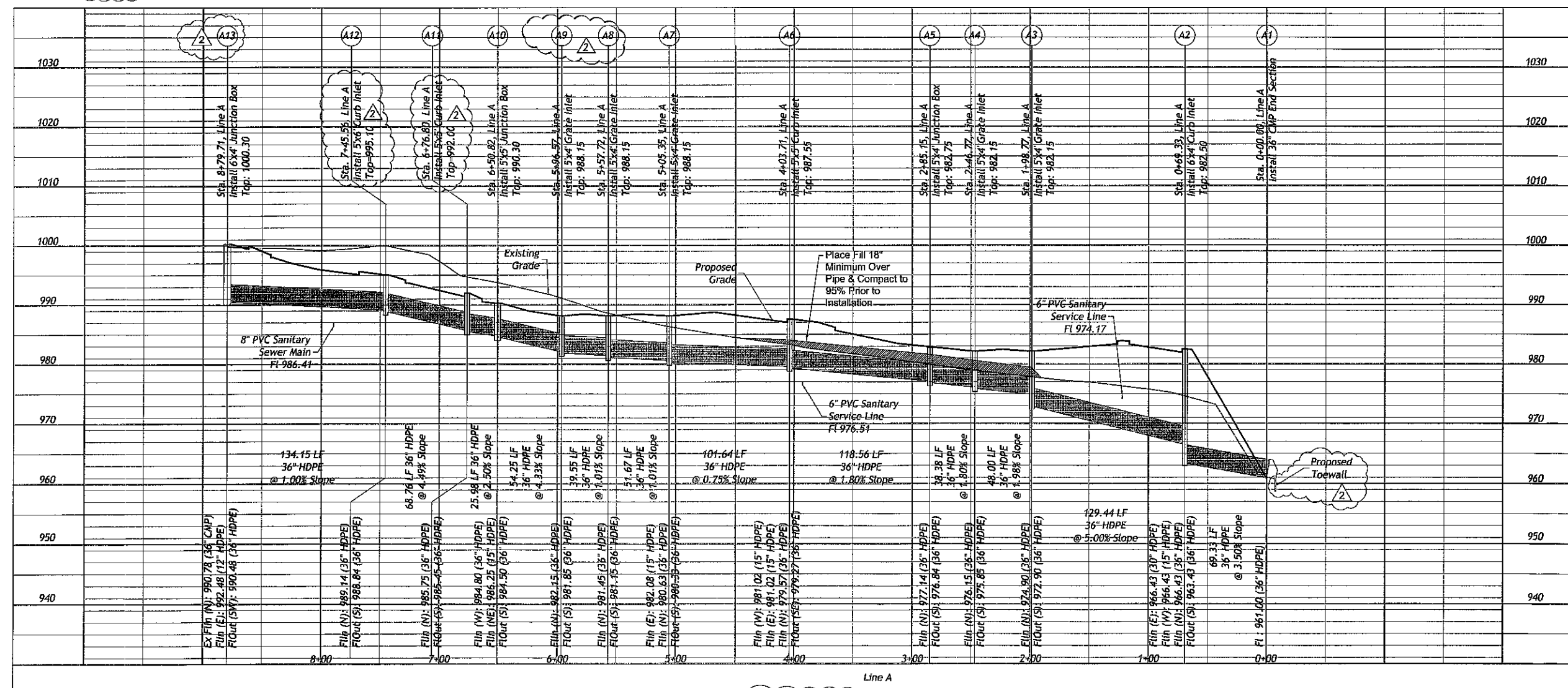
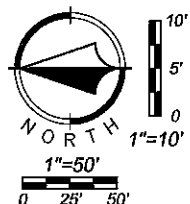
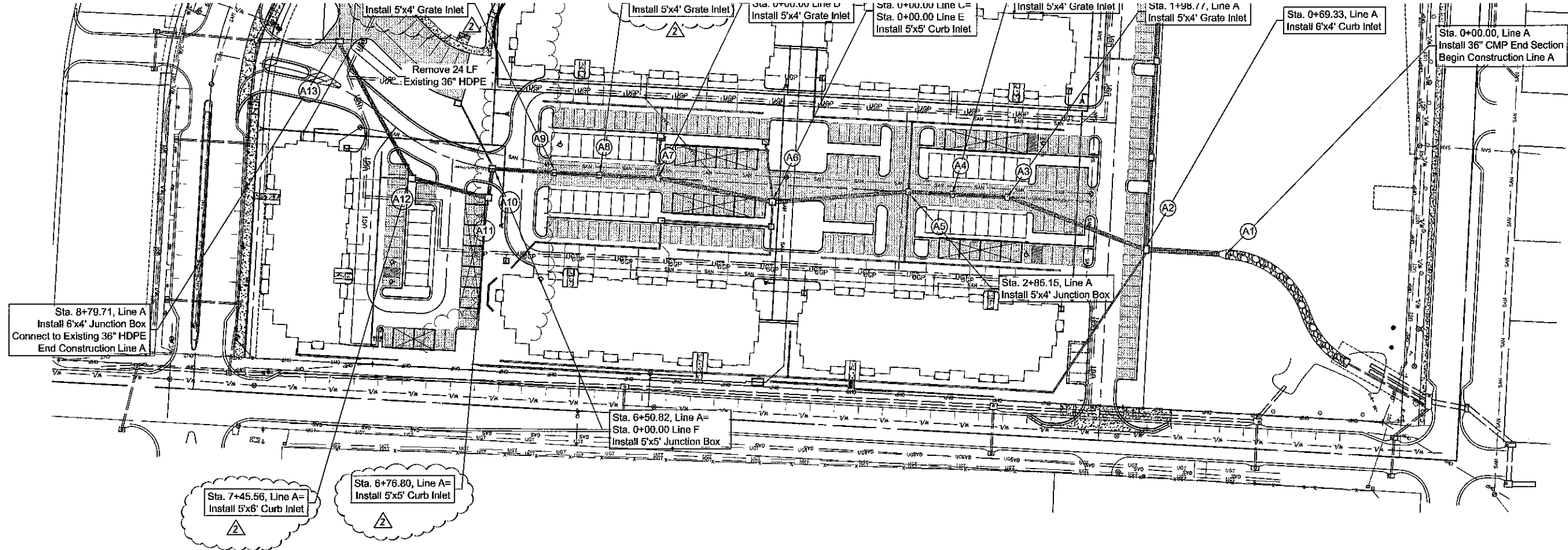


SITE UTILITY NOTES: I

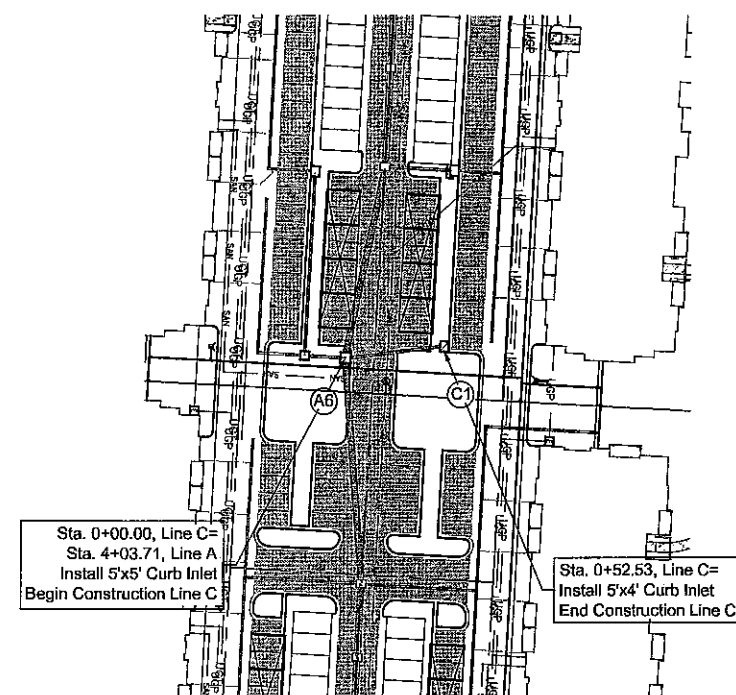
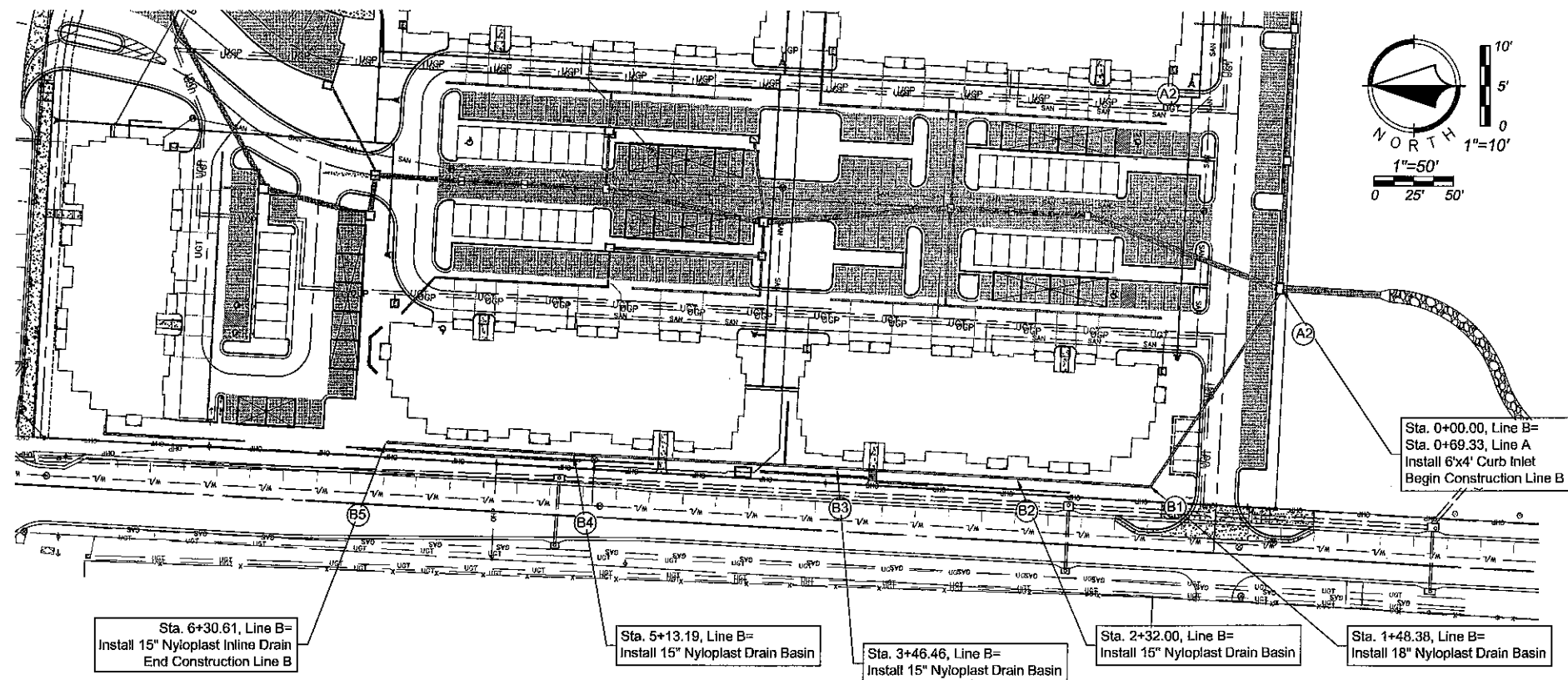
1. The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility Companies, and where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility companies at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to coordinate with and relocate and/or remove all existing utilities which conflict with the proposed improvements shown on the plans.
2. The construction of storm sewers on this project shall conform to the requirements of the City of Lee's Summit, Missouri Design and Construction Standards.
3. The contractor shall field verify the exact location and elevation of the existing storm sewer locations and the existing elevations at locations where the proposed storm sewer collects or releases to existing ground. If discrepancies are encountered from the information shown on the plans, the contractor shall contact the design engineer. No pipes shall be laid until direction is received from the design engineer.
4. It will be the contractor's responsibility to field adjust the top of all manholes and boxes as necessary to match the grade of the adjacent area. Tops of existing manholes shall be raised as necessary to be flush with proposed pavement elevations, and to be 6-inches above finished ground elevations in non-paved areas. No separate or additional compensation will be made to the contractor for making final adjustments to the manholes and boxes.
5. Inlet locations, horizontal pipe information and vertical pipe information is shown to the center of the structure. Deflection angles shown for storm sewer pipes are measured from the center of the curb inlets and manholes. The contractor shall adjust the horizontal location of the pipes to go to the face of the boxes. All roof drains shall be connected to storm sewer structures. Provide cleanouts on roof drain lines at 100' max. spacing and at all bend points. Do not connect roof drains directly to storm sewer pipes.
6. The contractor shall be responsible for furnishing and installing all fire and domestic water lines, meters, back flow devices, pits, valves and all other incidentals required for a complete operable fire protection and domestic water system. All costs associated with the complete water system for the building shall be the responsibility of the contractor. All work shall conform to the requirements of the City of Lee's Summit, Mo.
7. The contractor shall be responsible for furnishing and installing all sanitary sewer service lines from the building to the public line. The contractor shall refer to the architectural plans for specific locations and elevations of the service lines of the building connection. All work shall conform to the requirements of the City of Lee's Summit, Mo. The contractor is responsible for securing all permits, bonds and insurance required by the contract documents, City of Lee's Summit, Mo., and all other governing agencies (including local, county, state and federal authorities) having jurisdiction over the work proposed by the construction documents. The cost for all permit bonds and insurance shall be the contractor's responsibility and shall be included in the bid for the work.
8. By the use of these construction documents the contractor hereby agrees that he/she shall be solely responsible for the safety of the construction workers and the public. The contractor agrees to hold the engineer and owner harmless for any and all injuries, claims, losses or damages related to the project.
9. The contractor shall be responsible for furnishing all materials, tools and equipment and installation of electrical power, telephone and gas service from a point of connection from the public utility lines to the building structure. This will include all conduits, service lines, meters, concrete pads and all other incidentals required for a complete and operational system as required by the owner and the public utilities. Refer to building plans for exact tie-in locations of all utilities. Contractor shall verify connection points prior to installation of utility line.
10. All fill material is to be in place, compacted, and consolidated before installation of proposed utilities. On-site geotechnical engineer shall provide written confirmation that this requirement has been met and that utilities may proceed in the fill areas. All utilities are to be placed in trench conditions.
11. Contractor shall notify the utility authorities inspectors 49 hours before connecting to any existing line.
12. Waterlines shall be as follows (unless otherwise shown on plans):
-for 8" and larger: ductile iron pipe per AWWA C150
-between 2" and 6": copper tube Type "K" per ANSI 816.22 or ductile iron pipe per AWWA C150
-For smaller than 2": copper tube Type "K" per ANSI 816.22
13. Minimum trench width shall be 2 feet.
14. Contractor shall maintain a minimum of 42" of cover on all waterlines. All water line joints are to be mechanical joints with thrust blocking as called out in specifications and construction plans. Water mains and service lines shall be constructed in accordance to the City of Lee's Summit, Mo. Water Department's specifications for commercial services.
15. All waterlines shall be kept ten feet (10') apart (parallel) from sanitary sewer lines or manholes. Or when crossing, an 18" vertical clearance (outside edge of pipe to outside edge of pipe) of the waterline above the sewer line is required.
16. In the event of a vertical conflict between waterlines, sanitary lines, storm lines and gas lines (existing and proposed), the sanitary line shall be ductile iron pipe with mechanical joints at least 10 feet on both sides of the crossing (or encased in concrete the same distance), the waterline shall have mechanical joints with appropriate thrust blocking as required to provide a minimum of 18" clearance. Meeting requirements ANSI A21.10 or ANSI 21.11 (AWWA C151)(Class 50).
17. All underground storm, sanitary, water and other utility lines shall be installed, inspected and approved before backfilling. Failure to have inspection approval prior to backfill will constitute rejection of work.
18. All necessary inspections and/or certifications required by codes and/or utility service companies shall be performed prior to announced building possession and the final connection of service. Contractor shall coordinate with all utility companies for installation requirements and specifications.
19. Refer to building plans for site lighting electrical plan, irrigation, parking lot security system and associated conduit requirements. Coordinate with Owner that all required conduits are in place and tested prior to paving.
20. When a building utility connection from site utilities leading up to the building cannot be made immediately, temporarily mark all such utility terminations.



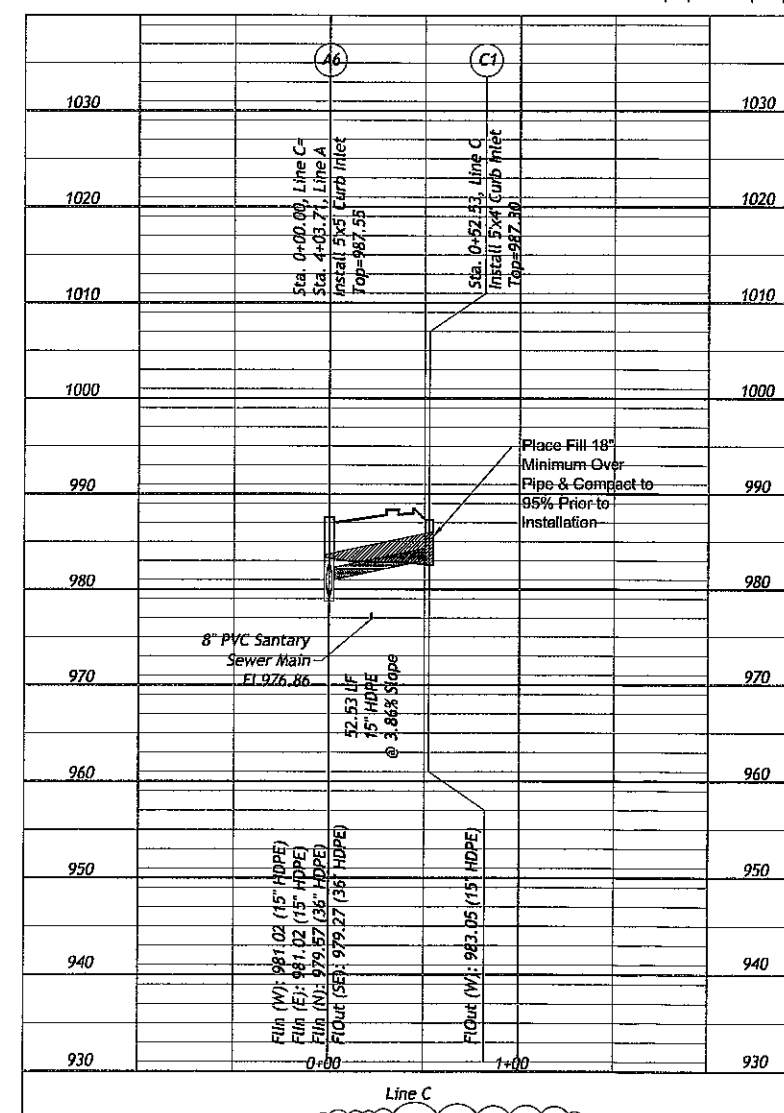
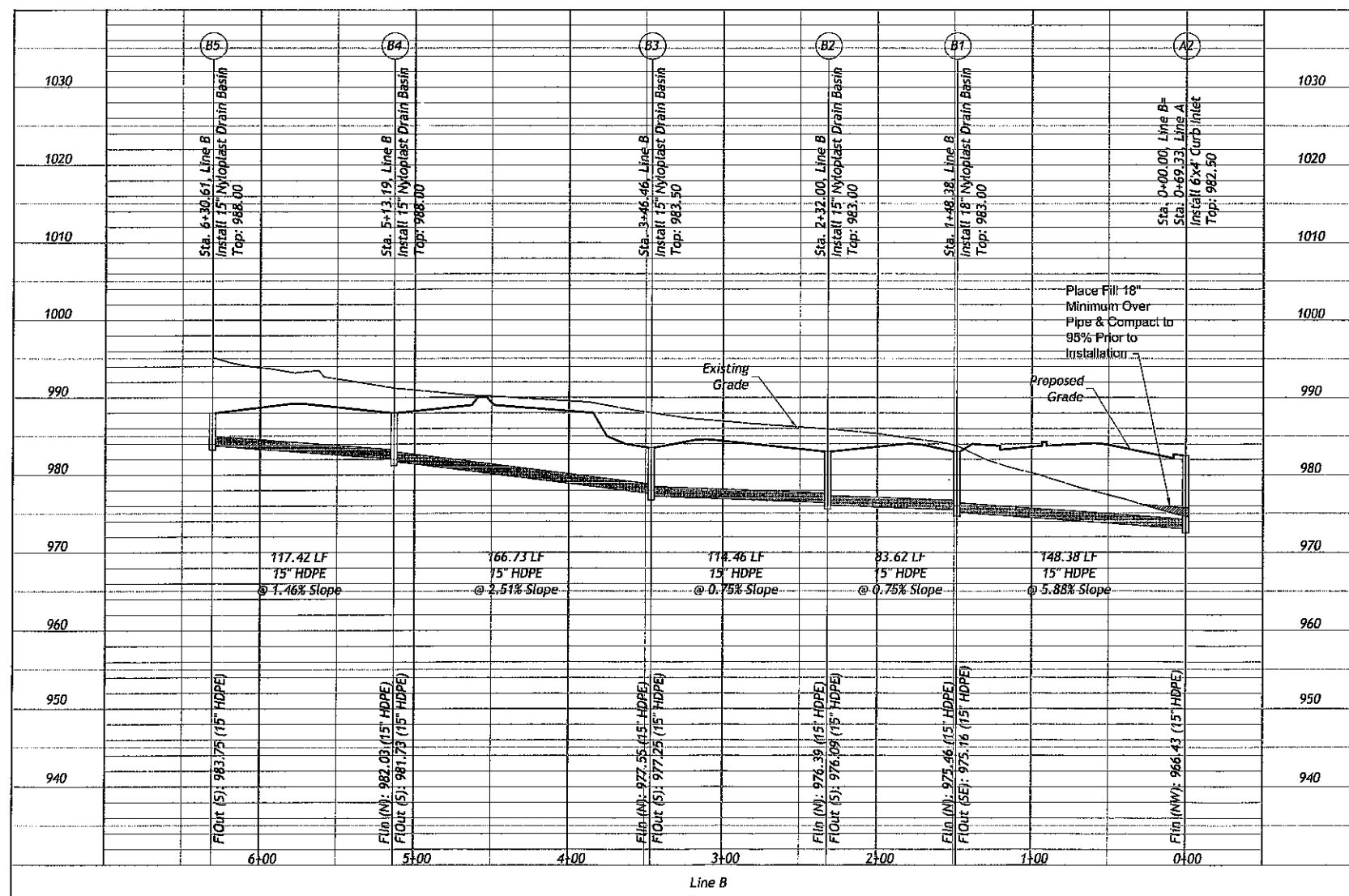
$$\begin{array}{c} \triangle 1 \\ \triangle 2 \\ \triangle 3 \end{array}$$



PRIVATE



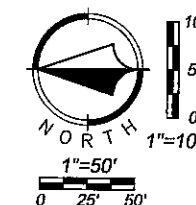
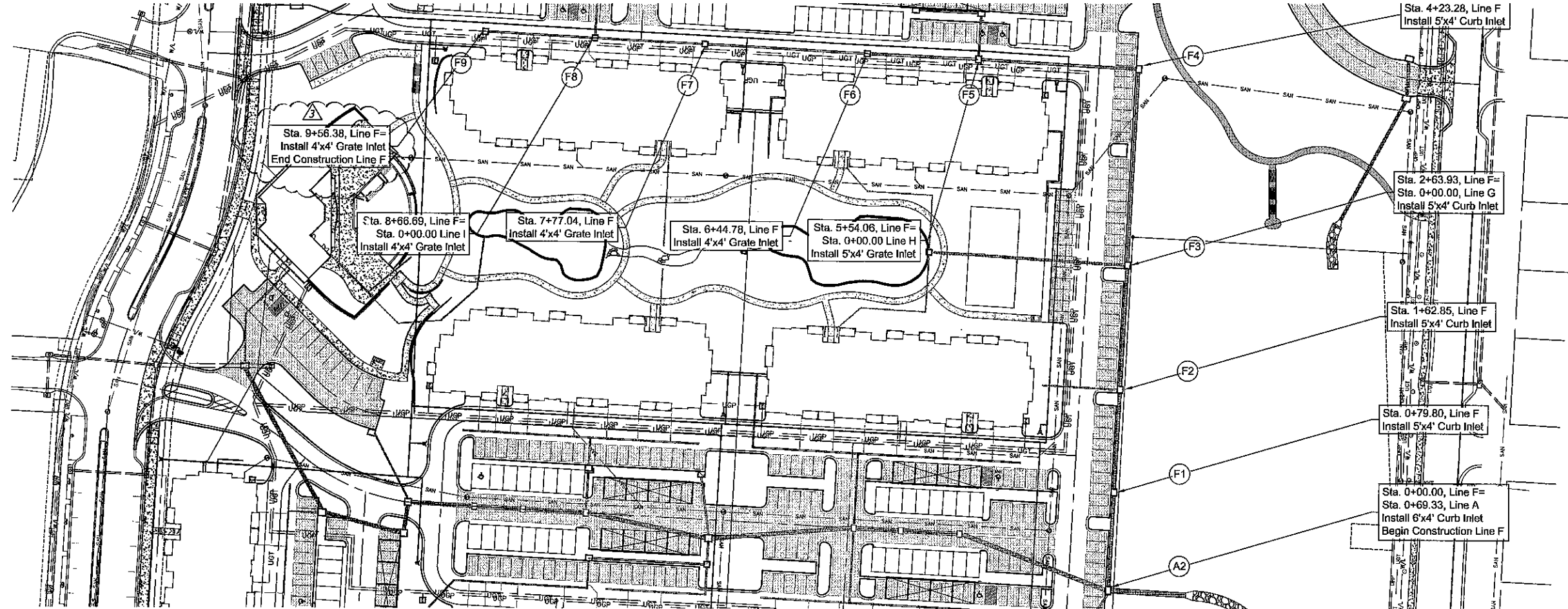
NOTE:
Areas where proposed pipe is at or above existing grade, embankment shall be placed and compacted prior to installing the pipe. Embankment shall be placed to finished grade, prior to trenching for pipe installation. For pipes deeper than 4 feet from finished grade, trenching may take place when the embankment is at least 4 feet above the proposed top of pipe elevation.



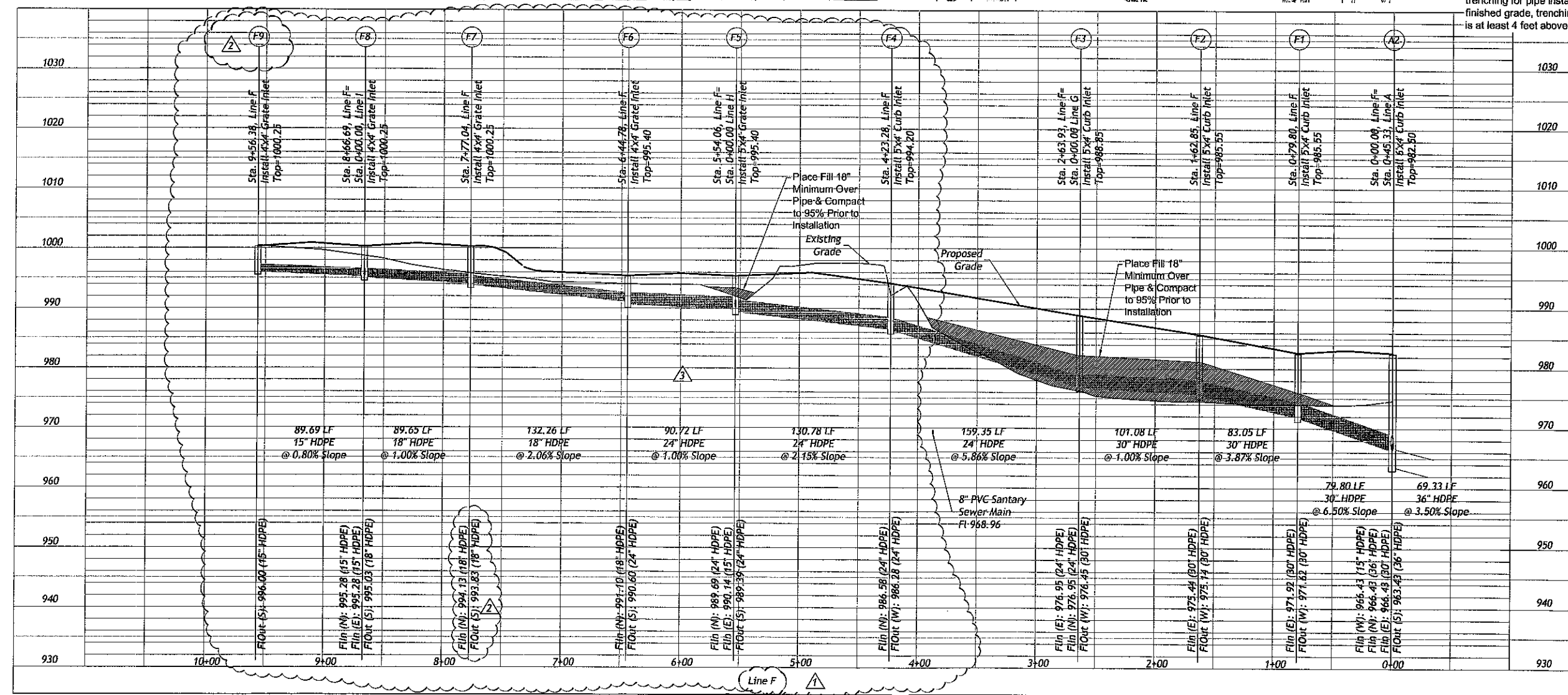
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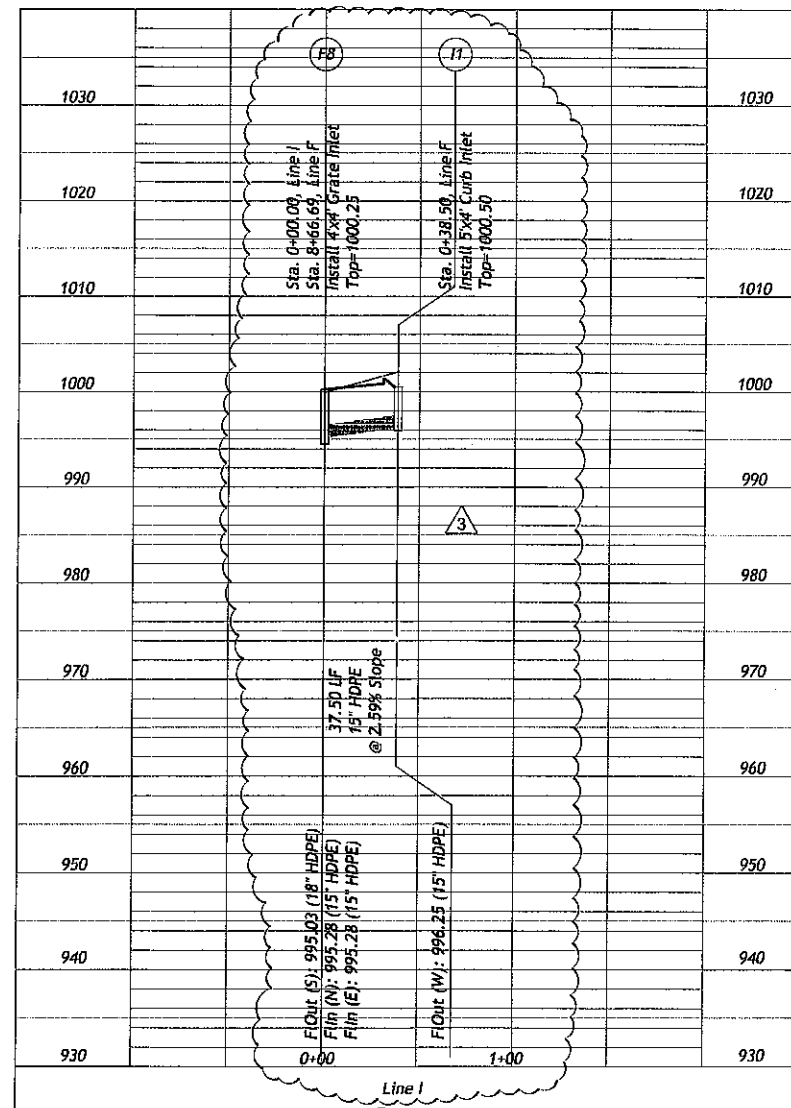
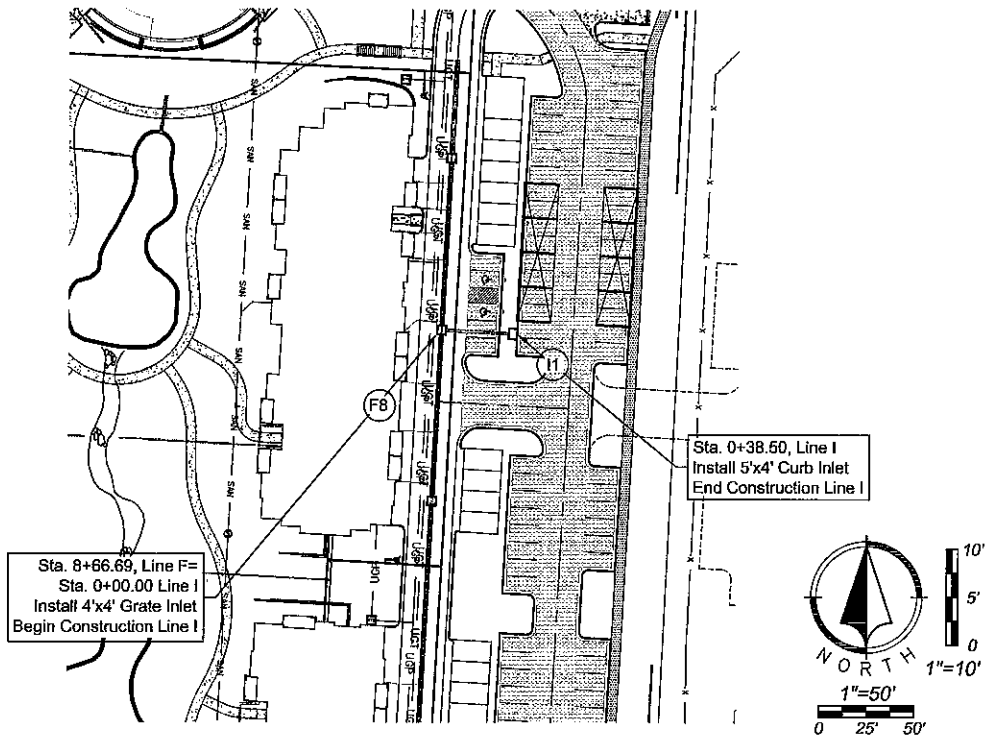




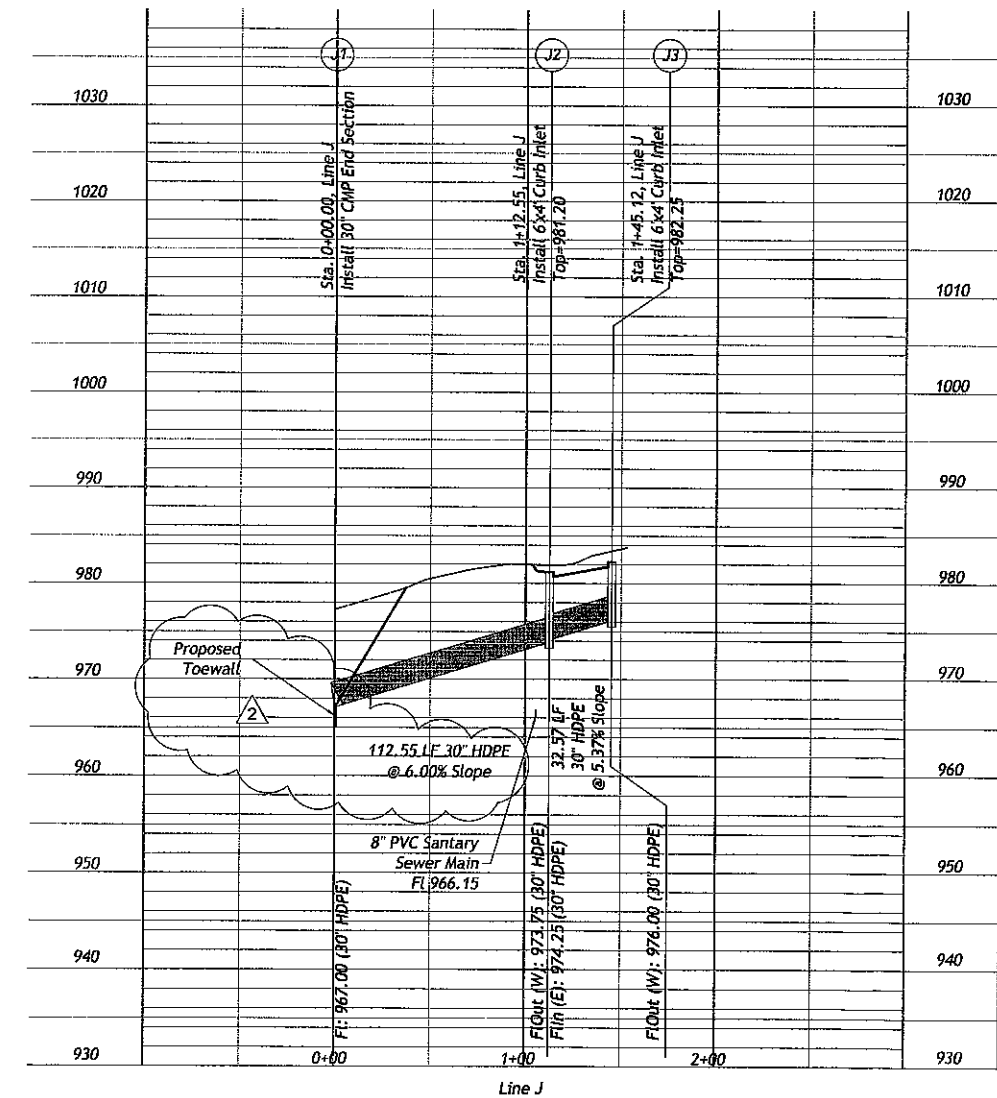
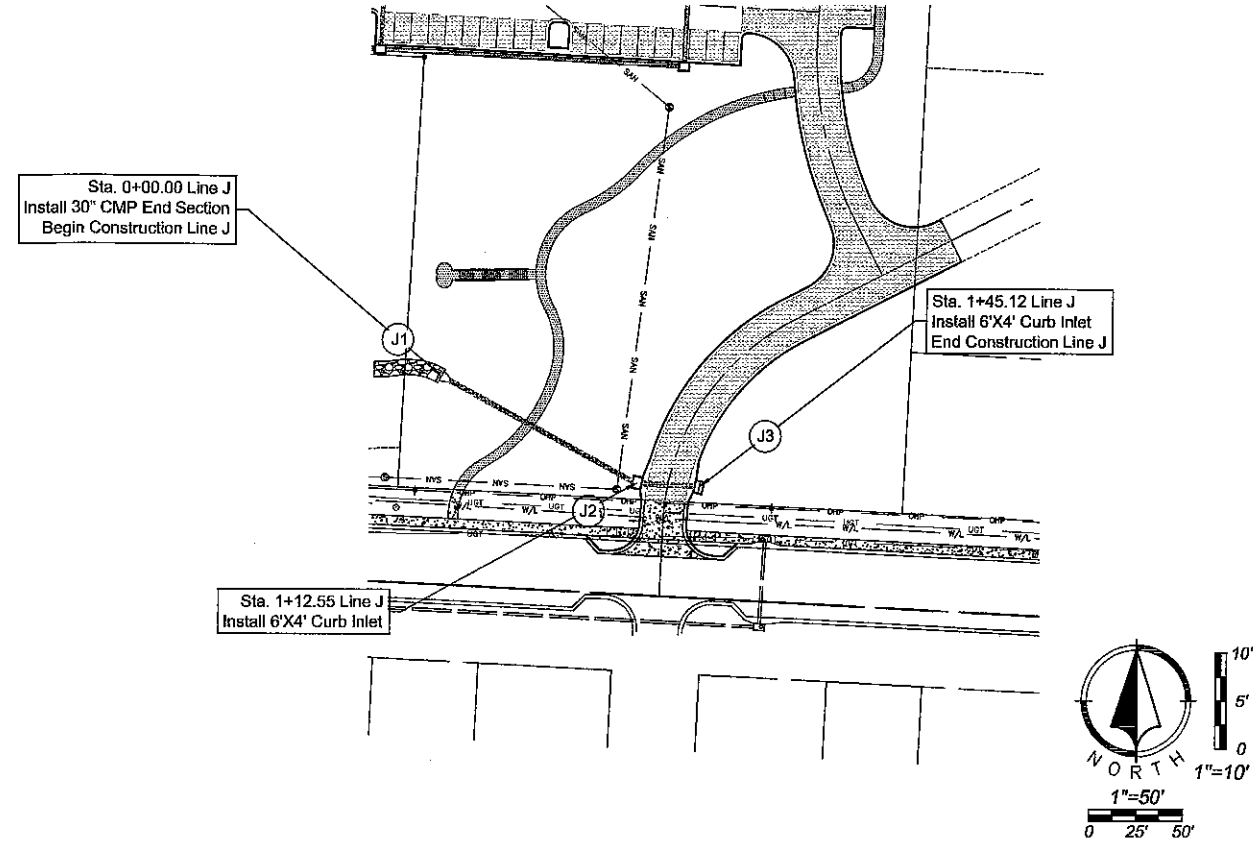
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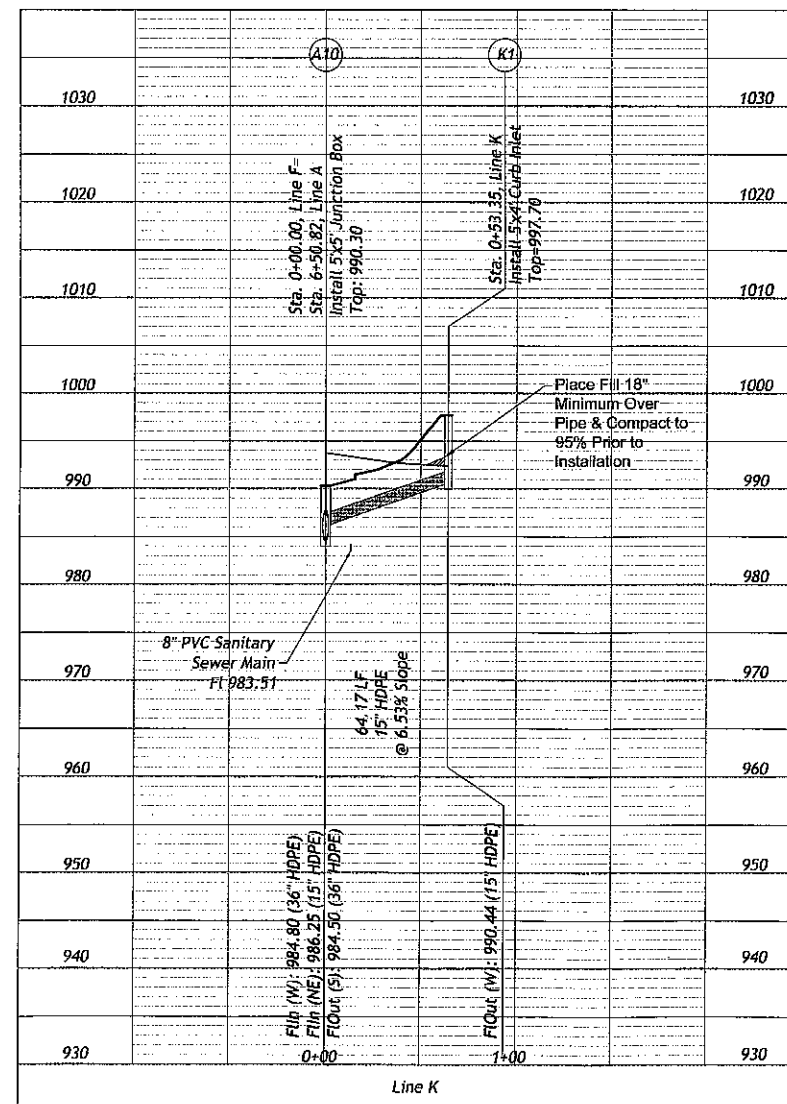
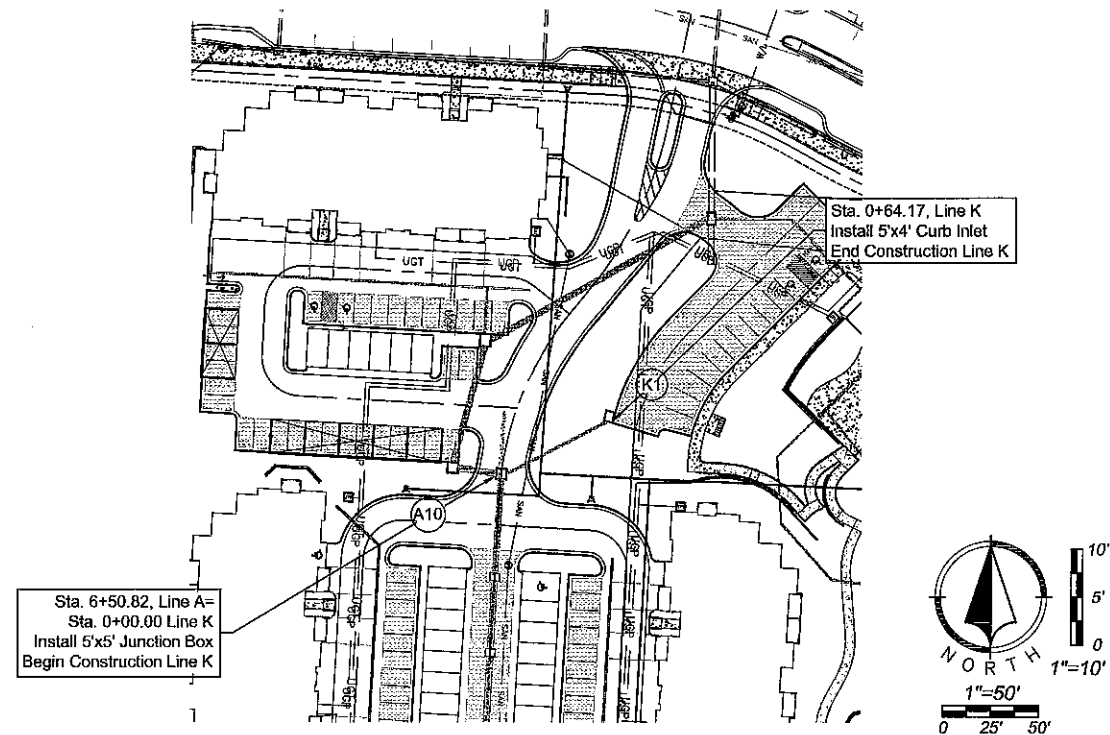
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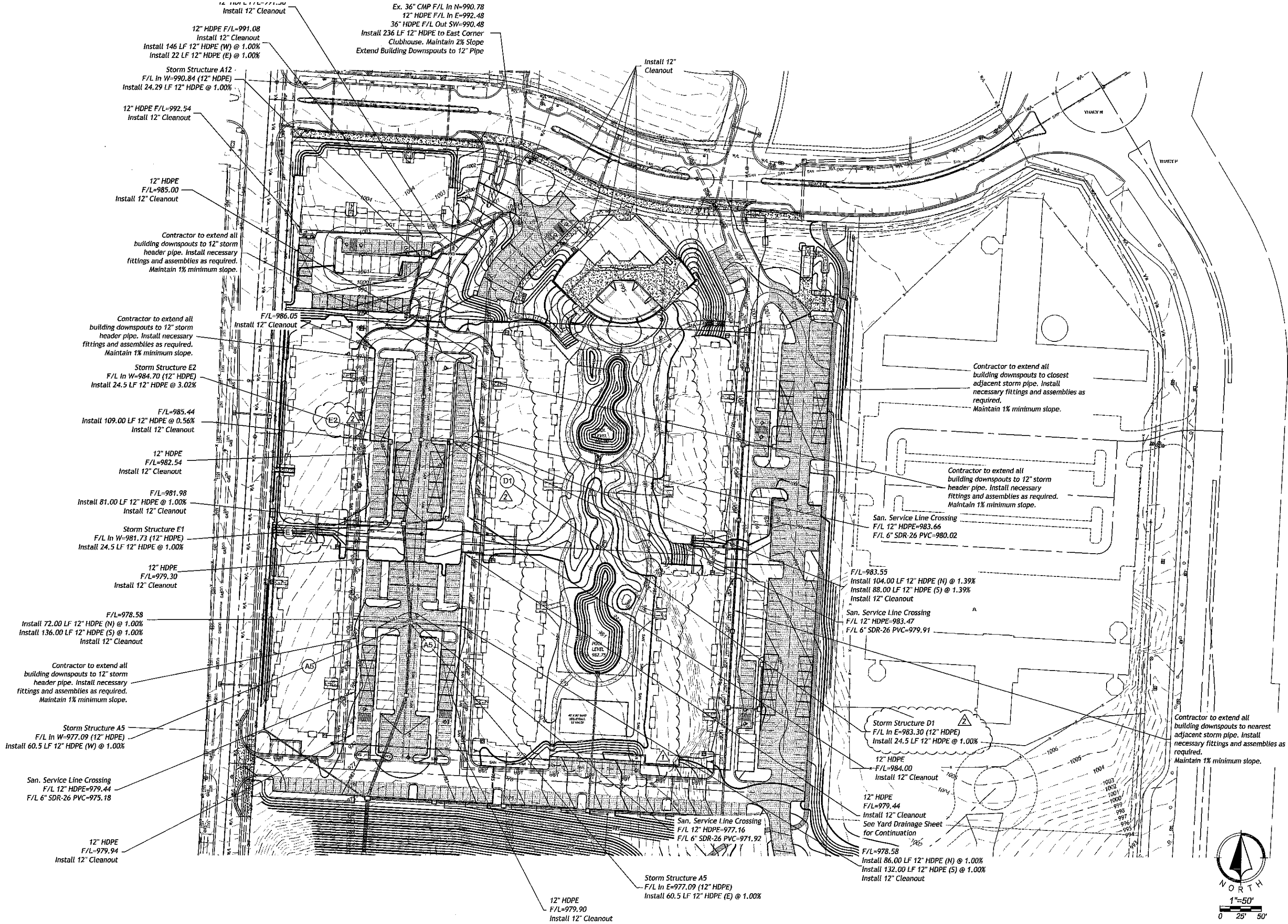
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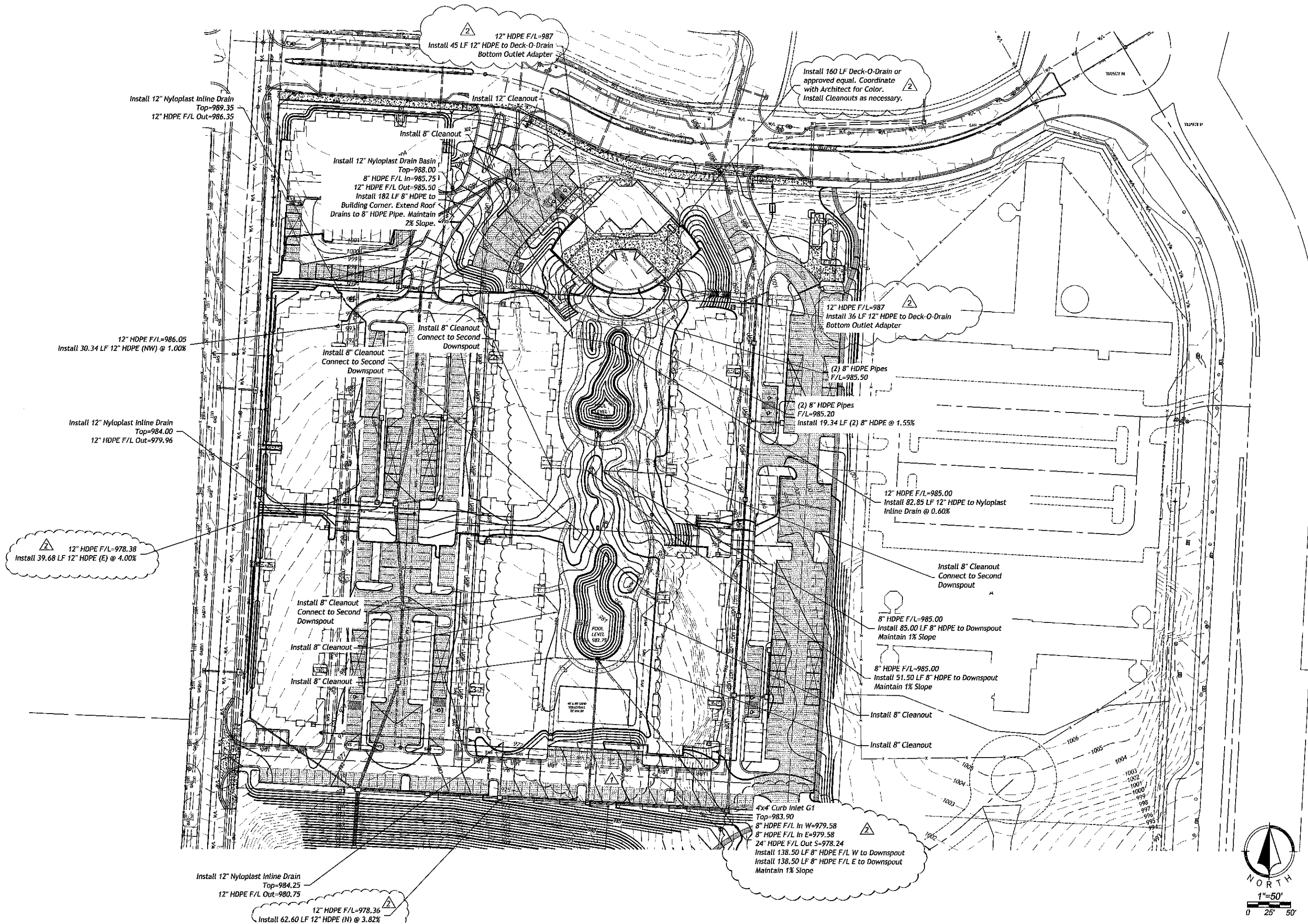


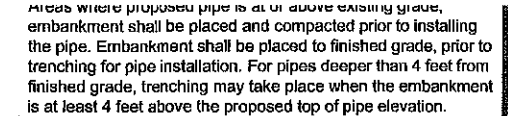
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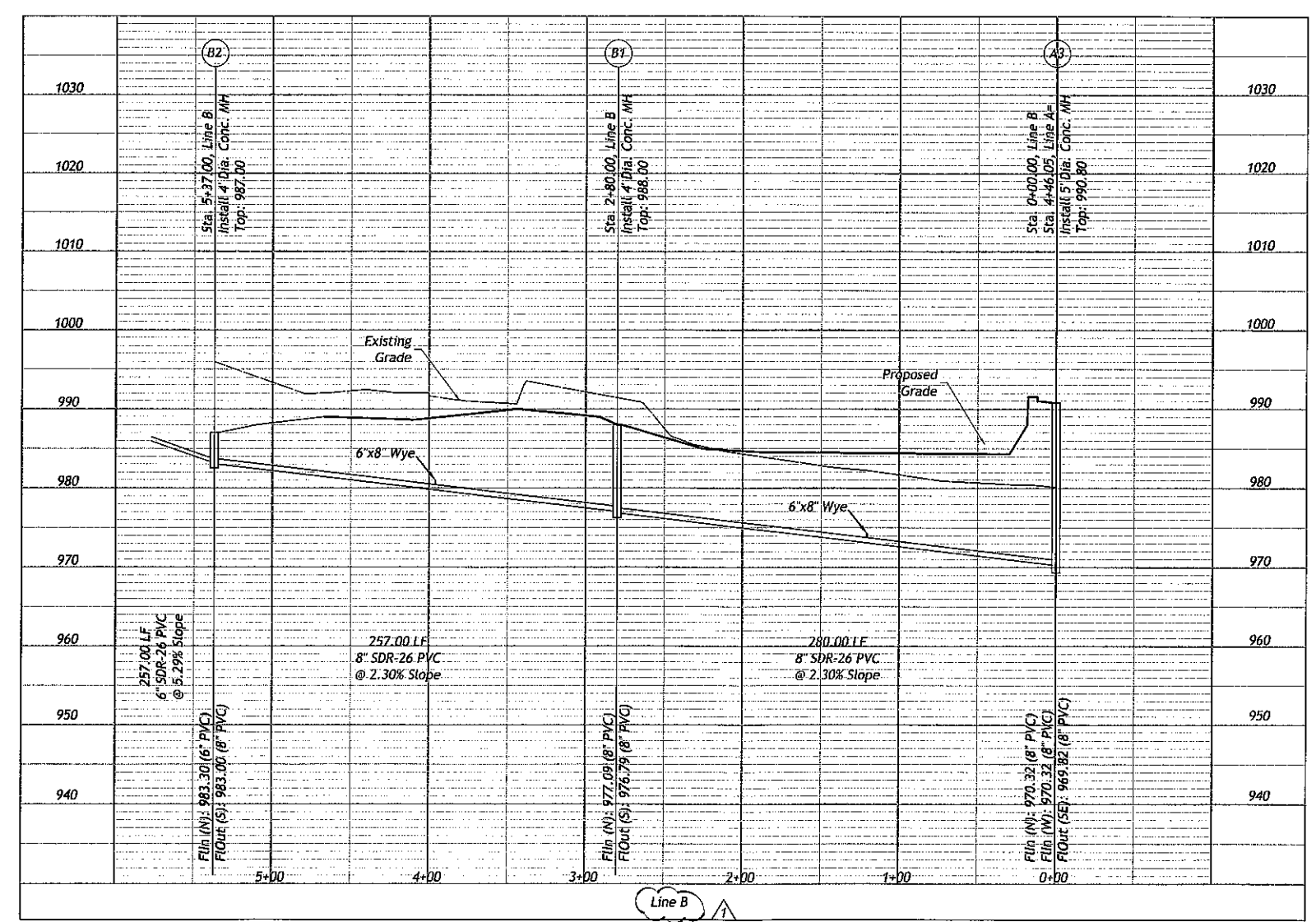
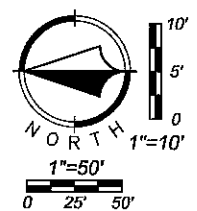
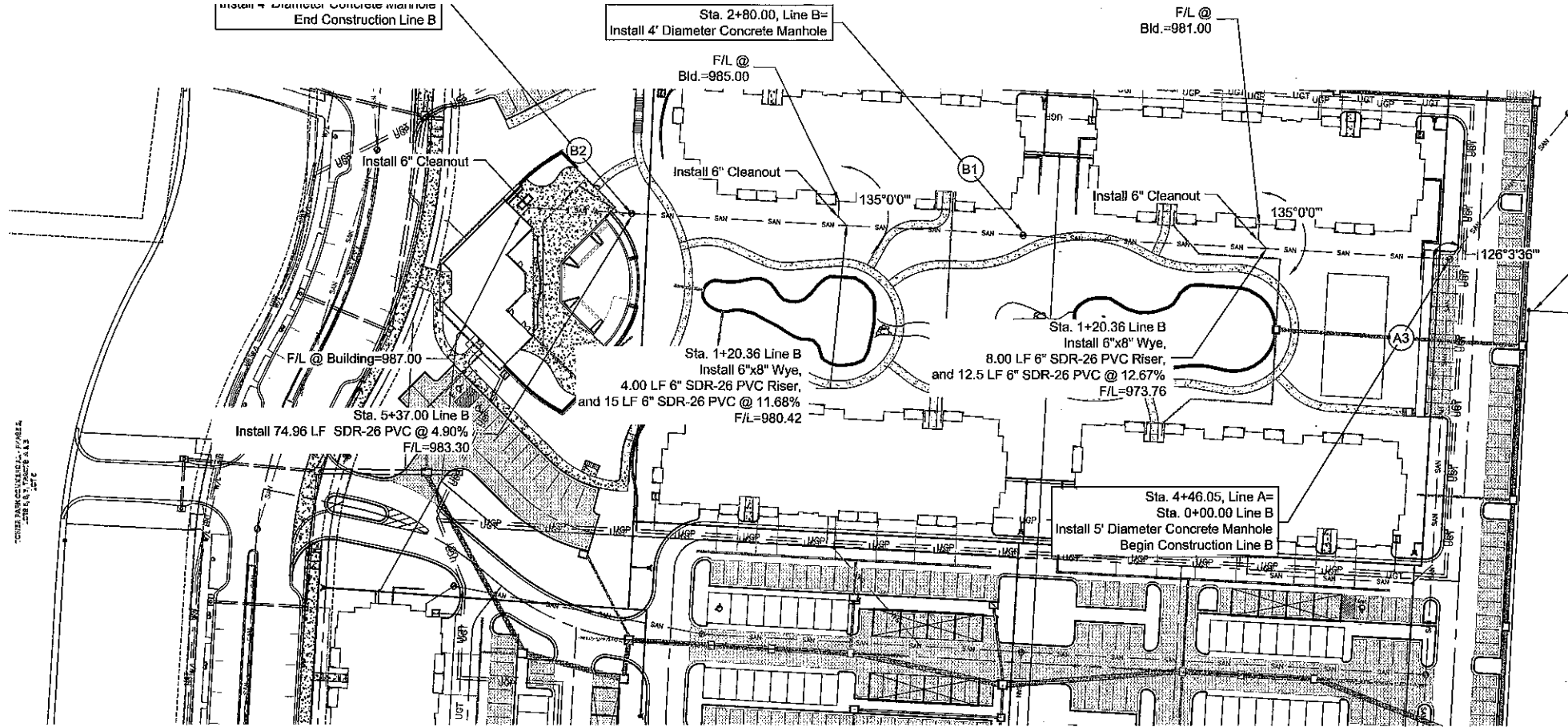


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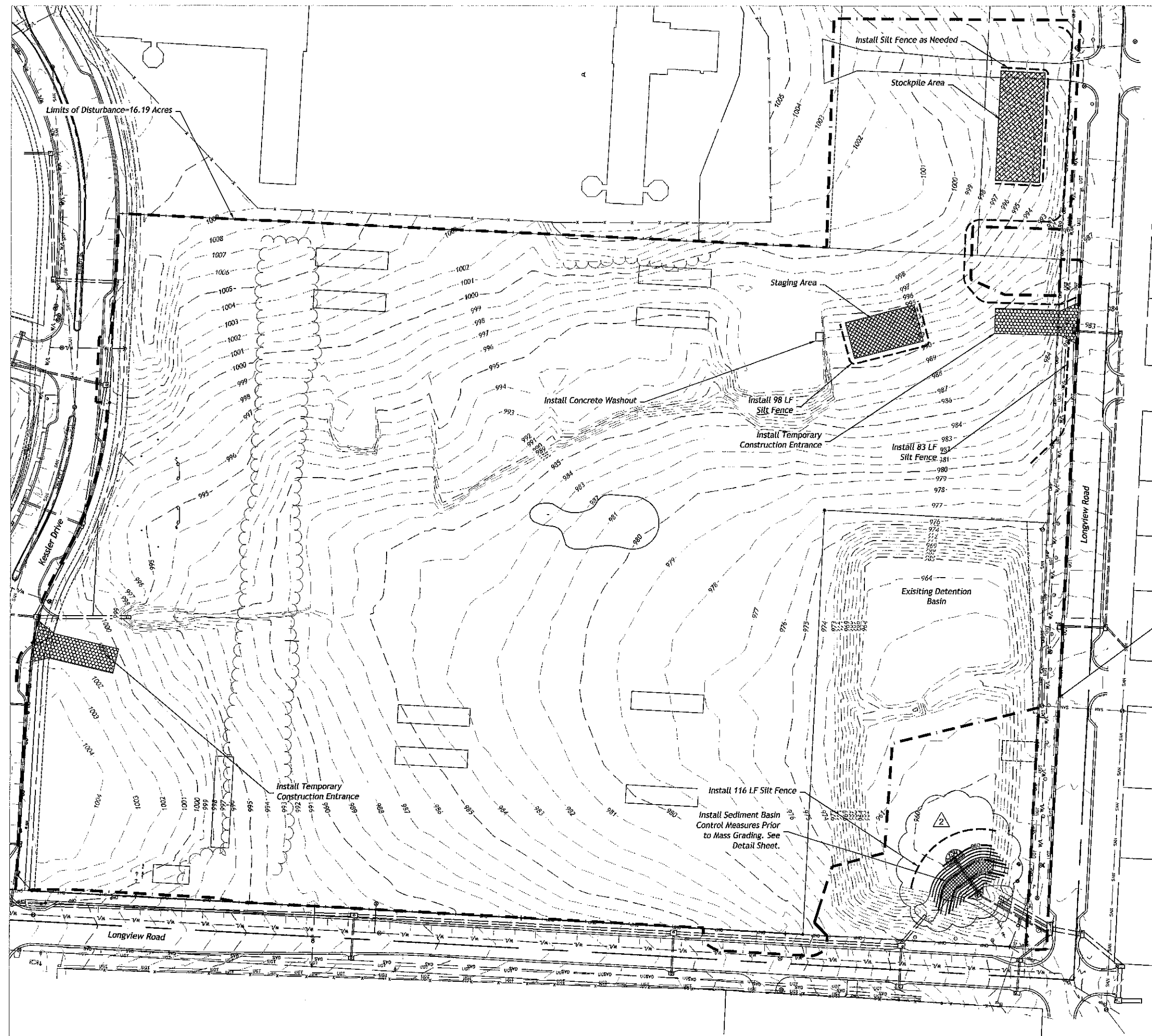








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NOTES

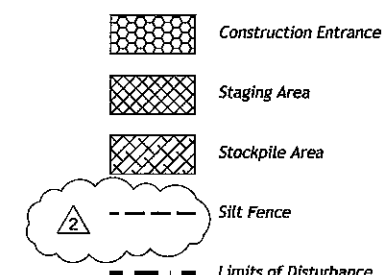
1. Contractor shall follow APWA Kansas City Chapter Specification Section 2150 Erosion and Sediment Controls.
2. Erosion control plan modifications shall be required if the plan fails to substantially control erosion and offsite sedimentation.
3. The retention of access controls and sediment controls shall be required for areas where seed has not established 70% cover.
4. The contractor shall temporarily seed and mulch all disturbed areas if there has been no construction activity on them for a period of fourteen (14) calendar days.
5. Install "J" Hooks on silt fence every 100 LF

WRITTEN SEQUENCING

1. Implement Pre-Clearing Plan: All structural BMPs Shown on the pre-clearing plan must be in place before general clearing operations. Clearing necessary to place structural BMPs is the minimum required for the installation. Coordinate clearing necessary to place structural BMPs with local weather forecast so that clearing and placement may be completed within a forecast dry period. Stabilize all diversion dikes, sediment basins, and sediment traps within 5 days after installation.
2. Clear and Stabilize Work Areas: Grade building pad and contractor area and place all-weather surface on contractor areas.

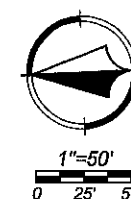
Structural BMP refers to any BMP that requires installation of physical placement on the site as opposed to management BMPs such as management of the construction sequence, inspection, maintenance and good housekeeping activities.

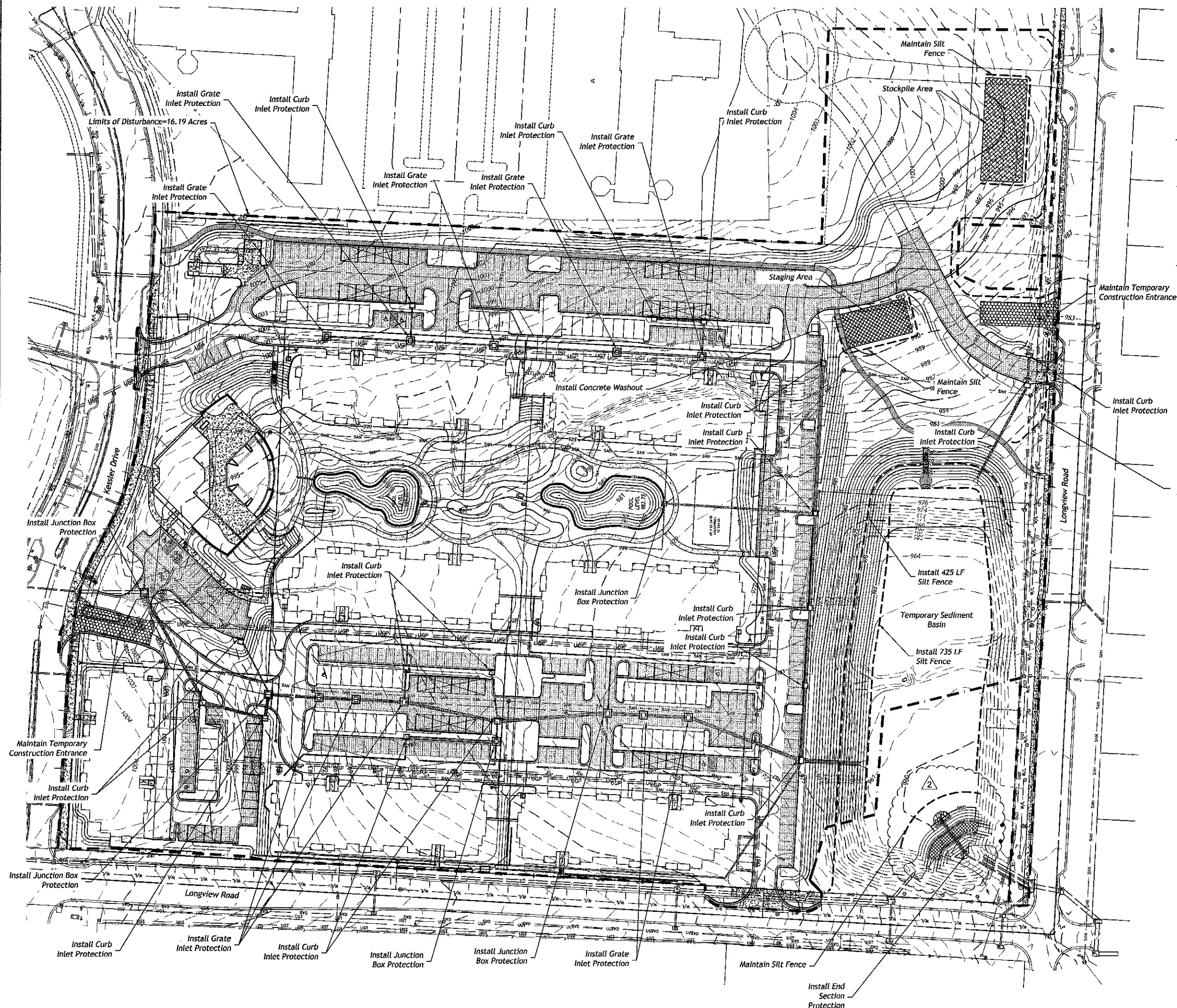
LEGEND



Total Area Disturbed: 16.19 Ac.

Limits of Disturbance=16.19 Acres





- NOTES**
1. Contractor shall follow APWA Kansas City Chapter Specification Section 2150 Erosion and Sediment Controls.
 2. Erosion control plan modifications shall be required if the plan fails to substantially control erosion and offsite sedimentation.
 3. The retention of access controls and sediment controls shall be required for areas where seed has not established 70% cover.
 4. The contractor shall temporarily seed and mulch all disturbed areas if there has been no construction activity on them for a period of fourteen (14) calendar days.
 5. Install "J" Hooks on silt fence every 100 LF

WRITTEN SEQUENCING

1. **Building Top-out:** Complete building foundation, framing, siding and roof installation including utility services.
2. **Stabilize Inactive Areas:** The ground cover and other structural BMPs shown on the inactive area stabilization must be placed within 14 days of cessation of ground disturbing activity at the location of the BMP, but in no case later than 14 days from building top out. In determining the inactive status of the ground, evaluate each portion of the site separately. The need for subsequent placement of trenched utilities, pavement or other construction in an otherwise inactive area is not justification for delay of stabilization.
3. **Finish Interior:** Construct the interior of the structure and minor structures depicted on the construction plans.

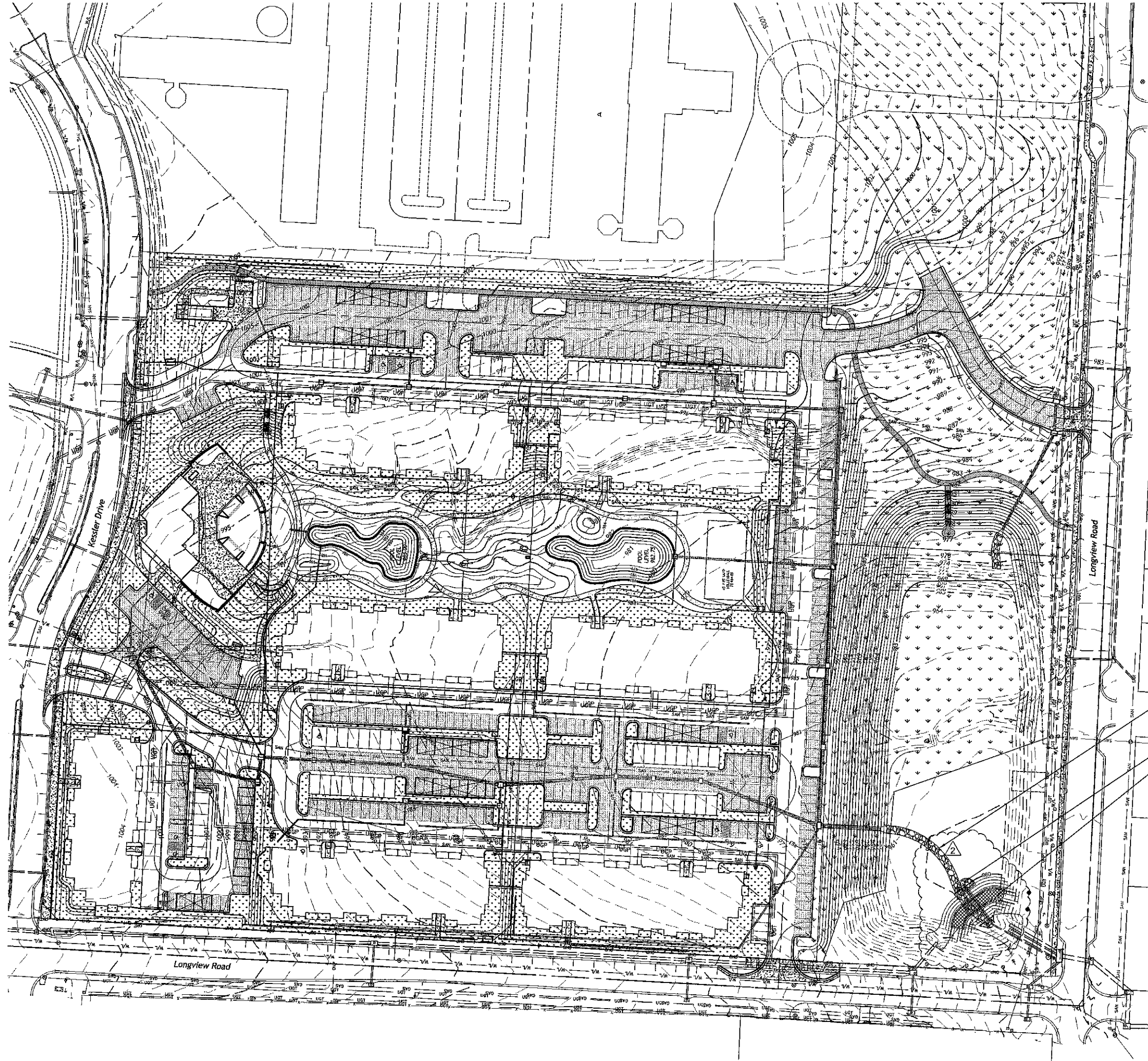
Structural BMP refers to any BMP that requires installation of physical placement on the site as opposed to management BMPs such as management of the construction sequence, inspection, maintenance and good housekeeping activities.

LEGEND

-
- Construction Entrance
- Staging Area
- Stockpile Area
- Silt Fence
- Limits of Disturbance

Total Area Disturbed: 16.19 Ac.





NOTES

1. Contractor shall follow APWA Kansas City Chapter Specification Section 2150 Erosion and Sediment Controls.
2. Erosion control plan modifications shall be required if the plan fails to substantially control erosion and offsite sedimentation.
3. The retention of access controls and sediment controls shall be required for areas where seed has not established 70% cover.
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3. After Stabilization is complete remove remaining silt fence, inlet protection, all silt within temporary sediment basin and temporary outlet structure.
4. Finish Interior: Construct the interior of the structure and minor structures depicted on the construction plans.

Structural BMP refers to any BMP that requires installation of physical placement on the site as opposed to management BMPs such as management of the construction sequence, inspection, maintenance and good housekeeping activities.

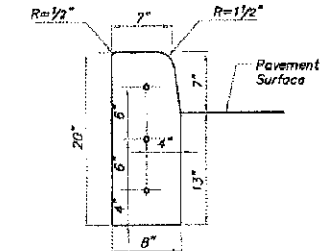
LEGEND

- Sodded Areas
- Seeded Areas

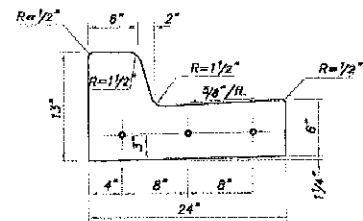
Install Rip Rap Swale. See Sheet C8 for Detail.

Remove temporary berm and riser pipe once overall site is 75% established or greater

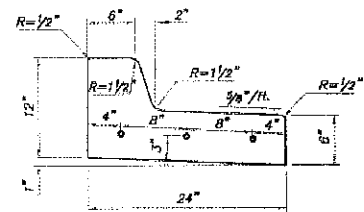




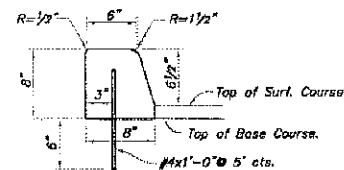
STRAIGHT CURB
(TYPE C-1)



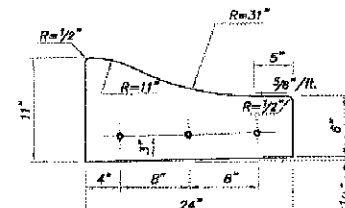
STRAIGHT BACK CURB & GUTTER
(TYPE CG-1)



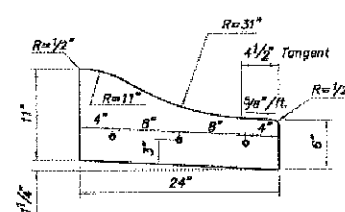
STRAIGHT BACK DRY CURB & GUTTER
(TYPE CG-1 DRY)



DOWELLED CURB
(TYPE DC)



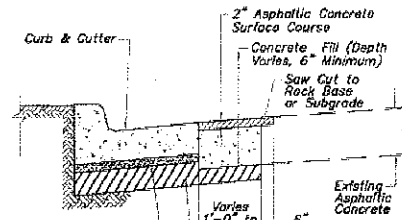
ROLL BACK CURB & GUTTER
(TYPE CG-2)



ROLL BACK DRY CURB & GUTTER
(TYPE CG-2 DRY)

GENERAL NOTES:

1. 3/4" isolation joints with 3/8" dia. x 2" smooth dowels shall be placed at radius points and at 150' intervals. These dowel bars shall be greased and wrapped on one end with expansion tubes.
2. 1" deep contraction joints shall be installed at approximately 10' intervals. These joints shall pass across the entire curb section.
3. Fix dowel bars with bar supports.
4. Depth of curb shall be a minimum of 8" through the handicap access ramp.
5. Concrete shall conform to Standard Specifications Section 2208.2.B.
6. Asphaltic concrete surface course shall conform to Standard Specifications Section 2205.2.



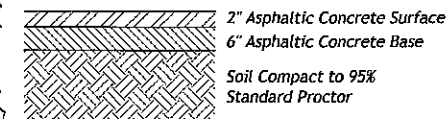
Aggregate leveling course, if used, shall conform to Standard Specifications Section 2202.

The top 6" of subgrade shall conform to Standard Specifications Section 2201.

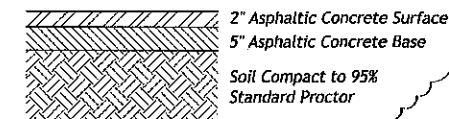
CURB REPLACEMENT DETAIL

AMERICAN PUBLIC WORKS ASSOCIATION	
KANSAS CITY	
METROPOLITAN CHAPTER	
CURB DETAILS	STANDARD DRAWING
	NUMBER C-1
	ADOPTED MAY 23, 2001

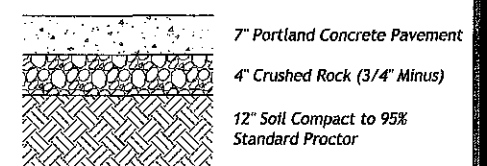
8" ASPHALTIC PAVEMENT
ASPHALT DRIVE AREAS



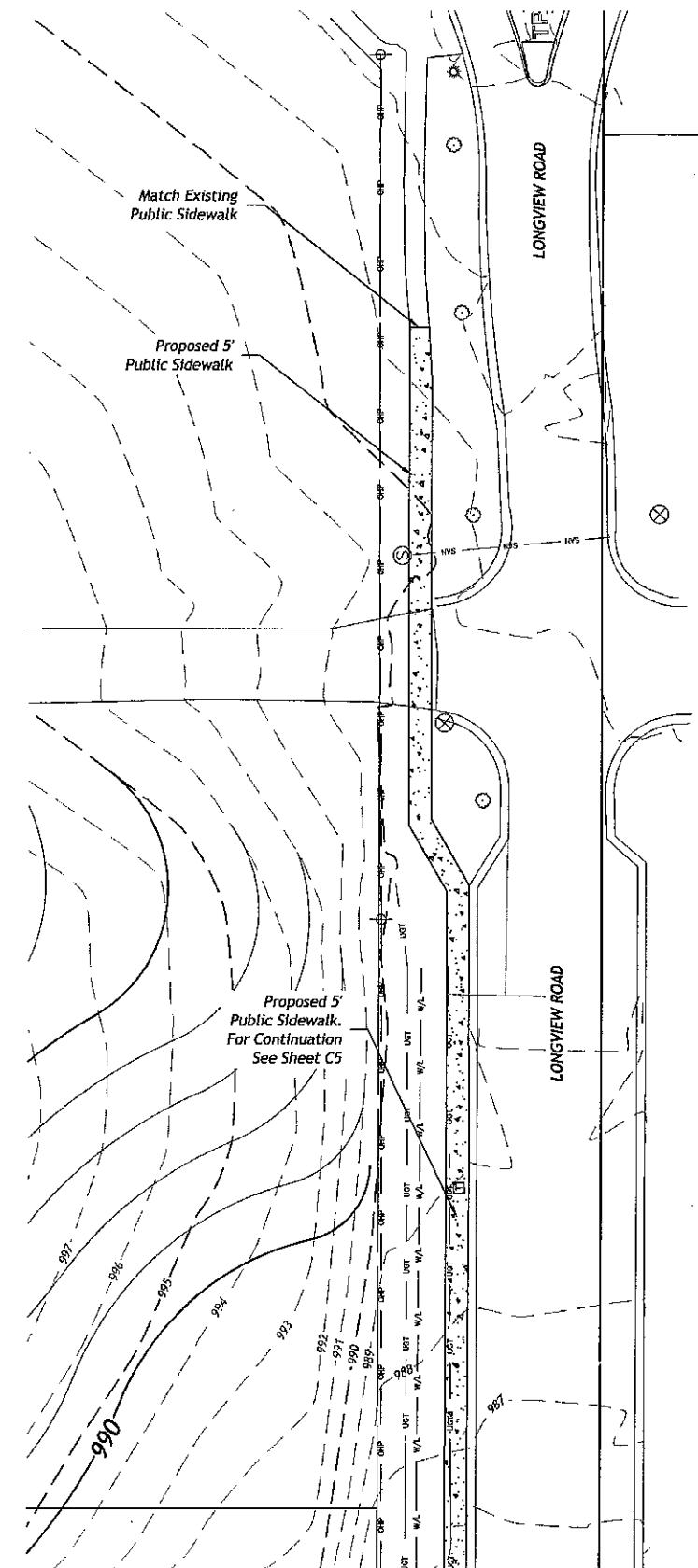
7" ASPHALTIC PAVEMENT
ASPHALT PARKING AREAS



PORTLAND CONCRETE PAVEMENT
CONCRETE VEHICLE AREAS

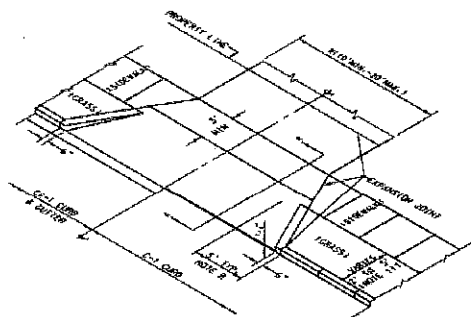


TYPICAL PAVEMENT SECTIONS
NOT TO SCALE

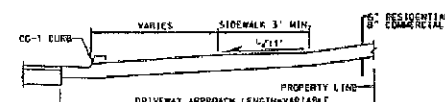


LONGVIEW ROAD PUBLIC SIDEWALK PLAN VIEW

RECONSTRUCTED DRIVEWAYS

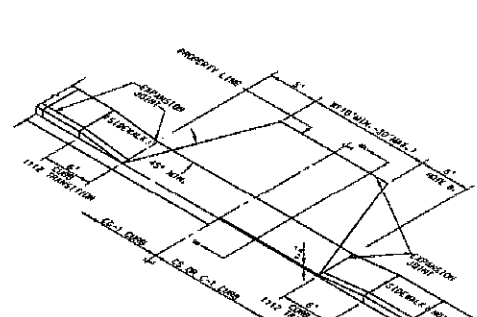


TYPE IV
(PARKWAY 1.5' TO <5')



SECTION A-A (CG-1 CURB SHOWN)

- A. TYPE IV LAYOUT MAY BE ADAPTED TO CG-2 CURB.
- B. WHERE DRIVE WIDTH IS 14 FEET OR LESS FLARES SHALL BE 7.5 FEET WIDE AT CURB AND SHALL EXTEND AT A 45° ANGLE THROUGH THE SIDEWALK.



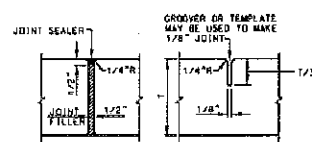
TYPE V



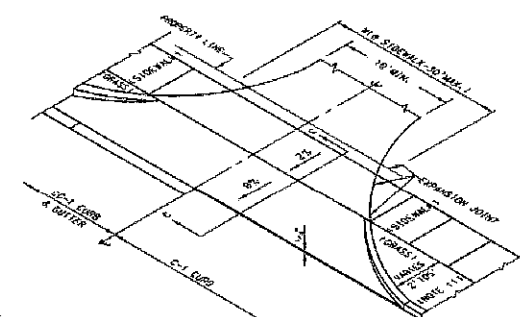
SECTION B-B (CS CURB SHOWN)

NOTE:

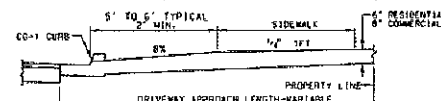
1. SIDEWALK CROSS SLOPES THROUGH DRIVEWAY MUST BE 1/4" PER FT. TO COMPLY WITH THE AMERICAN DISABILITY ACT.
2. THE TOP 6" OF DRIVEWAY SUBGRADE SHALL BE COMPACTED TO 95% OF STANDARD MAXIMUM DENSITY.
3. ALL DRIVES TO BE CONSTRUCTED WITH 8" OF RCMB MIX CONCRETE.
4. EXPANSION JOINT FILLER AND JOINT SEALING COMPOUND SHALL CONFORM TO STANDARD SPECIFICATIONS SECTION 2209.2.
5. CURING MEMBRANES SHALL CONFORM TO STANDARD SPECIFICATIONS SECTION 2301.5.
6. CURB TRANSITIONS ON DRIVEWAY FLARES ARE CONSIDERED PART OF DRIVEWAY.
7. IN CBO, 6 X 6-W2.5 X W2.9 REINFORCING SHALL BE PLACED IN CENTER OF SLAB THICKNESS.
8. ON PARK DEPT. PROPERTY USE TYPE VI ENTRANCE AND PLACE 6 X 6-W1.4 X W1.4 REINFORCING IN CENTER OF SLAB THICKNESS.
9. CONTRACTION JOINTS SHALL BE SPACED AT 12' MAX. BOTH DIRECTIONS.
10. FORM 1/2" LIP AT PAVEMENT LINE ON DRIVES IN C-1 & CS CURBS.



JOINT DETAILS



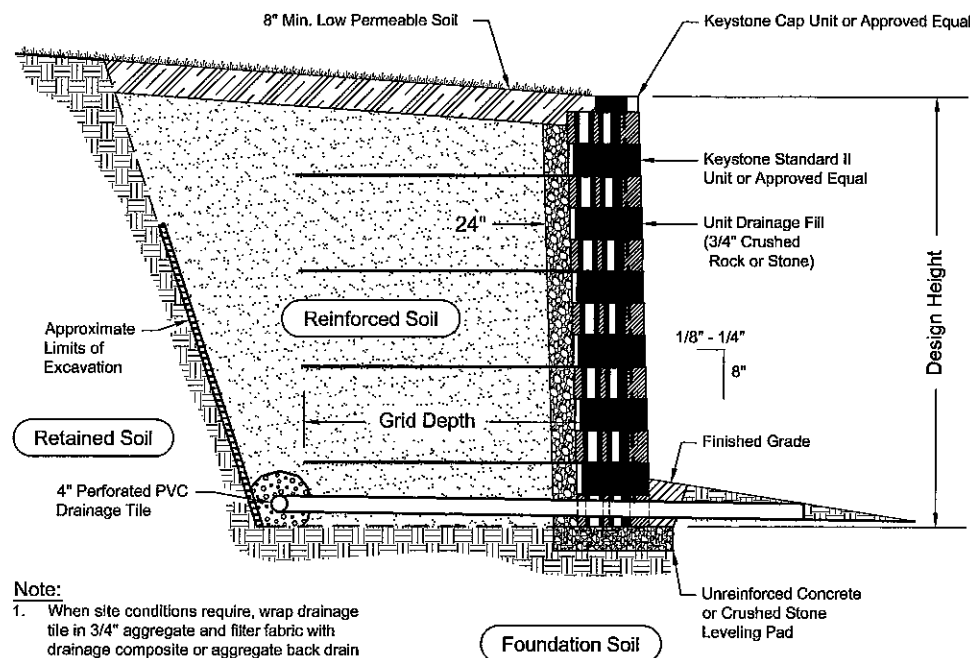
TYPE VI
(PARKWAY 1.5' TO <5')



SECTION C-C (CG-1 CURB SHOWN)

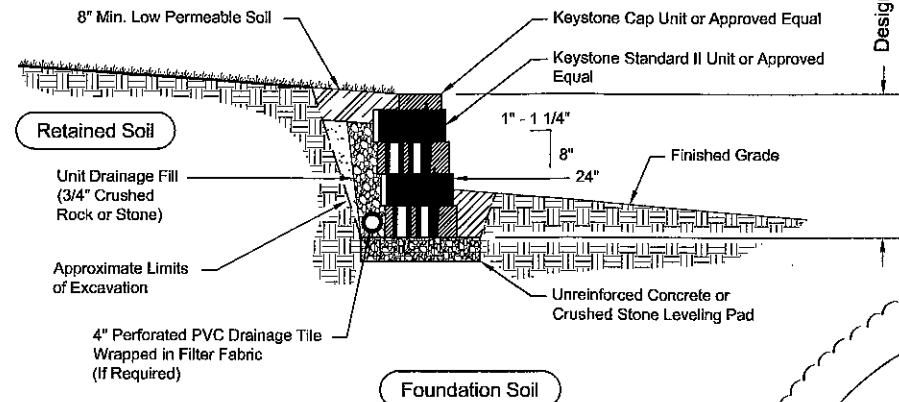
(SEE SITE DIMENSION PLAN FOR RADII.)

NOTE:
ALL DRIVEWAY CONSTRUCTION SHALL FOLLOW THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.

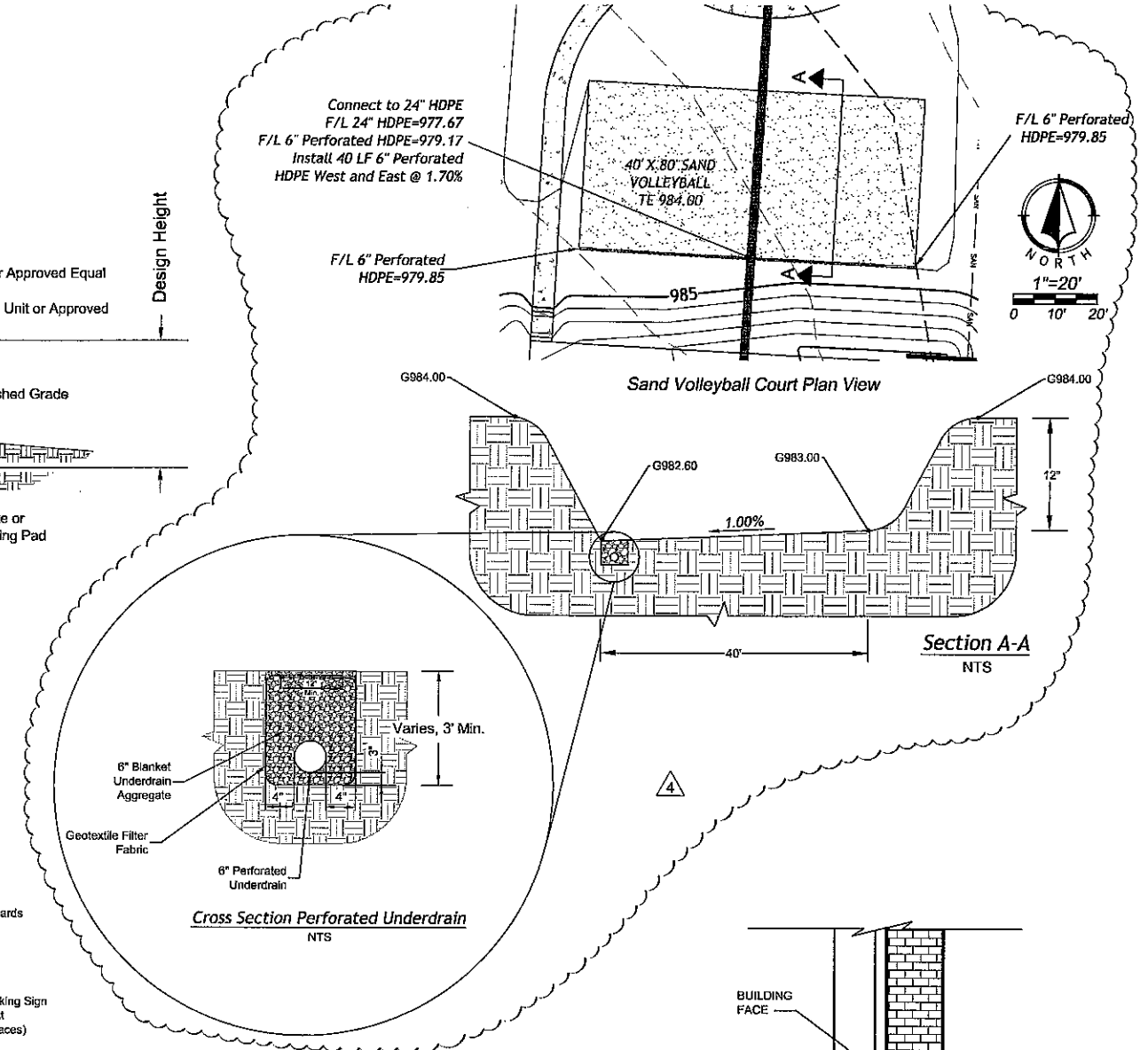


- Note:**
1. When site conditions require, wrap drainage tile in 3/4" aggregate and filter fabric with drainage composite or aggregate back drain system, as directed by geotechnical engineer.
 2. Contractor shall be responsible for structural design of retaining wall
 3. Black Aluminum Fencing shall be placed on all walls with a height over 30"

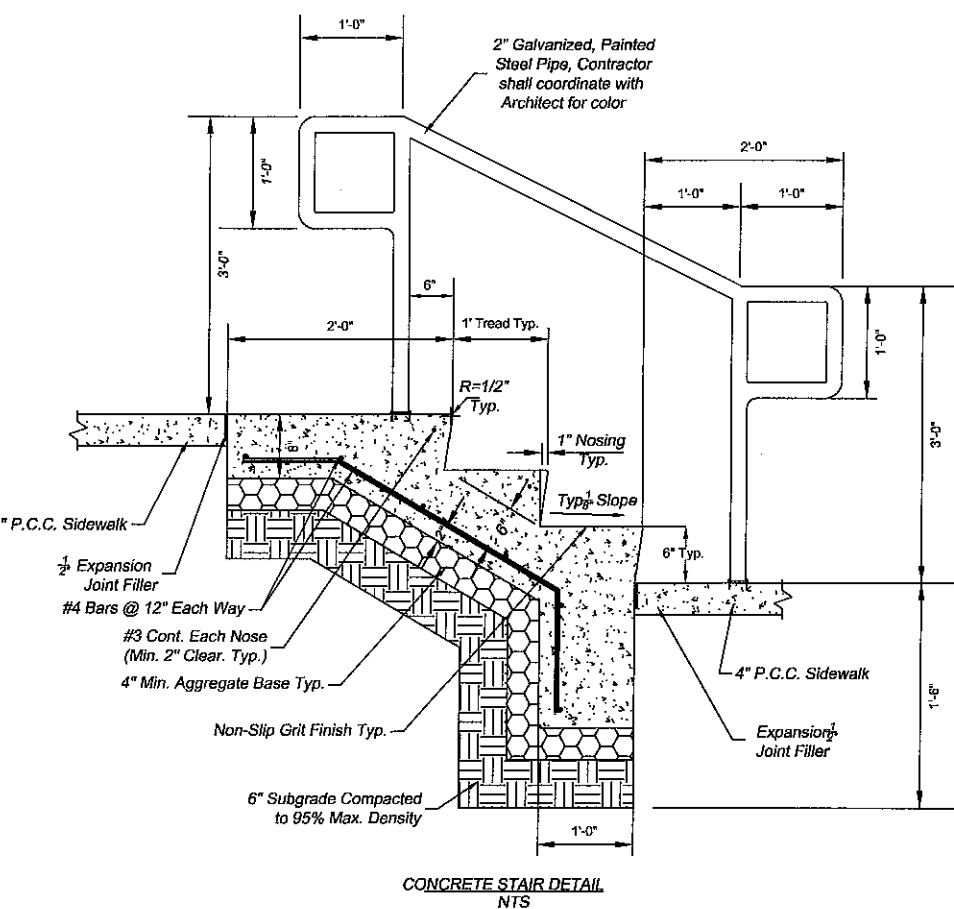
Typical Reinforced Wall Section
Standard II Unit - Near Vertical Setback



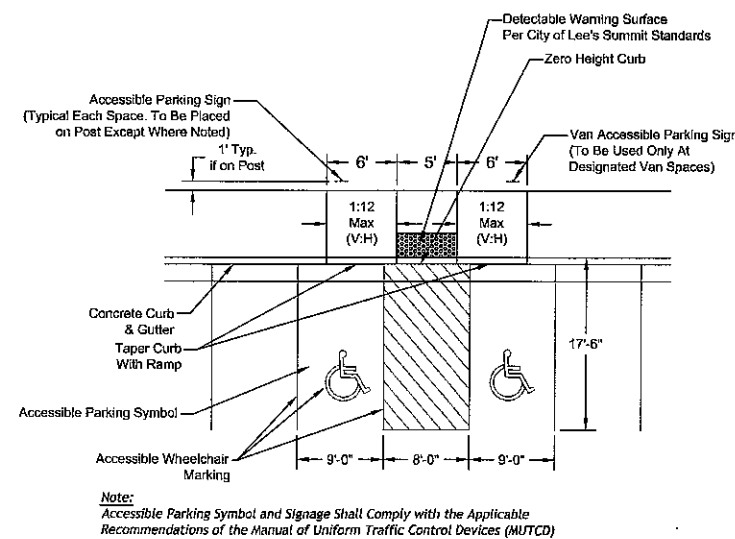
Typical Gravity Wall Section
Standard II Unit - 1" Setback



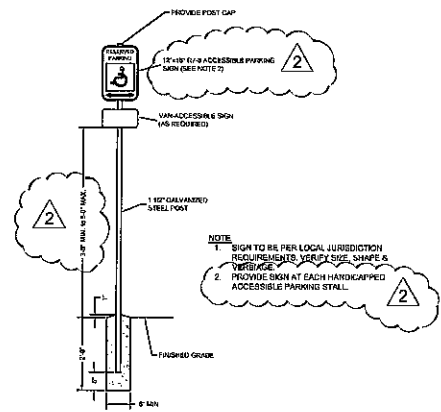
Cross Section Perforated Underdrain
NTS



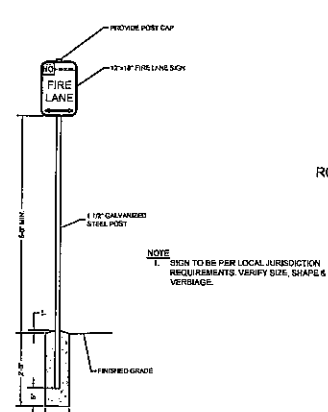
CONCRETE STAIR DETAIL
NTS



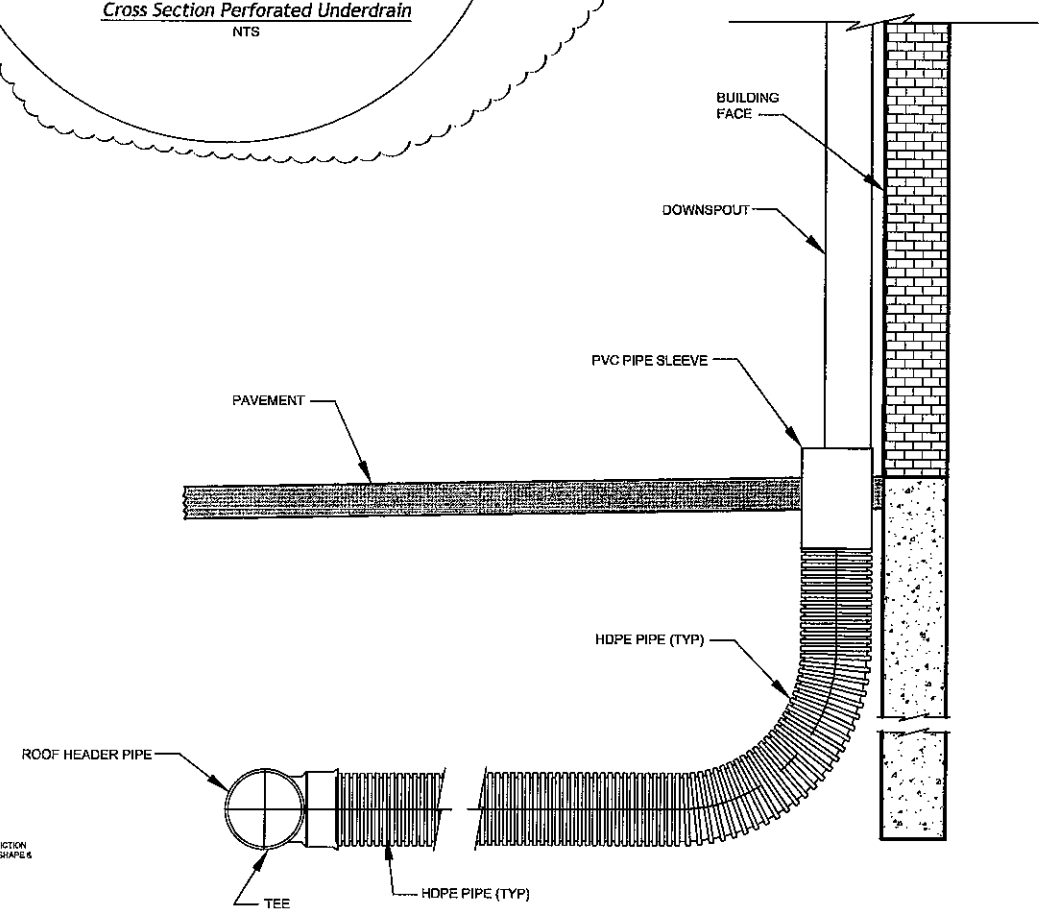
Accessible Parking Detail
NTS



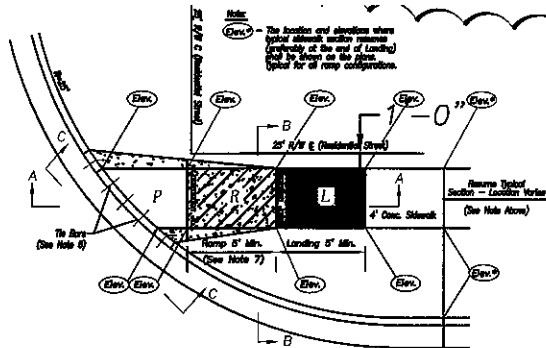
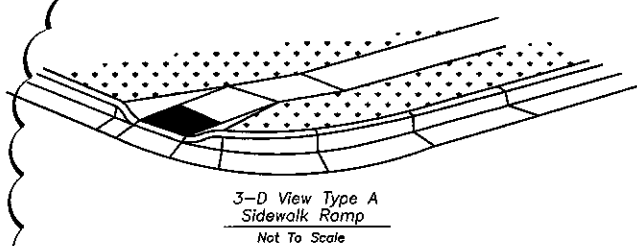
ACCESSIBLE PARKING SPACE SIGNAGE
NOT TO SCALE



FIRE LANE SIGNAGE
NOT TO SCALE

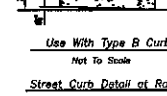
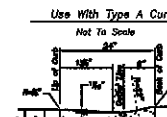
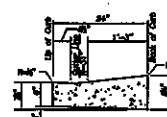
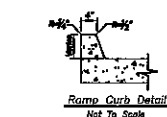
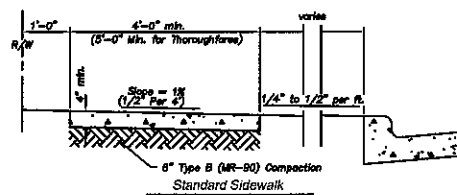
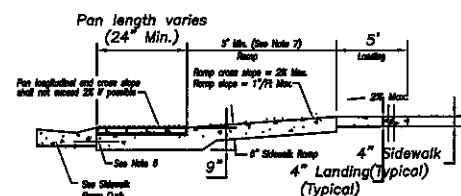


Downspout Detail
NTS



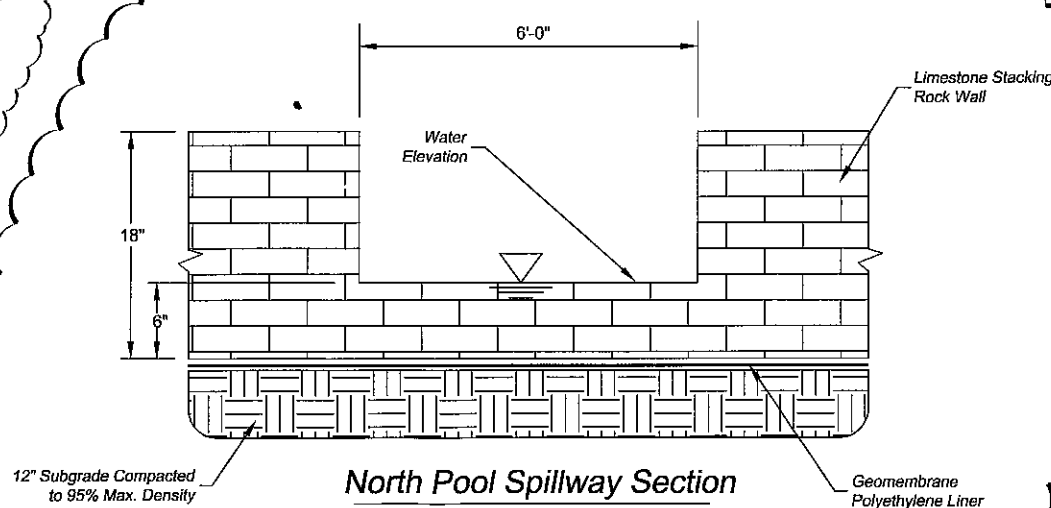
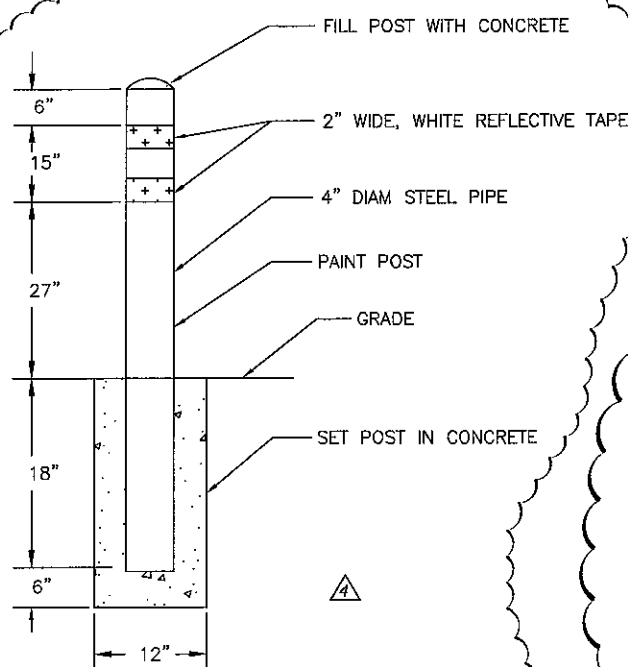
Sidewalk & Sidewalk Ramp Notes:

1. Sidewalk ramp location determined from the intersection of the extension of back of sidewalk and back of curb & gutter.
2. ADA compliance will be measured at points labeled (A) and (B). Slope between these points shall be calculated and shown on the plans.
3. All concrete used in this work shall meet the requirements of the City of Lee's Summit Municipal Code. KCM/BAK Concrete shall be used throughout.
4. Longitudinal joint spacing to match width of sidewalk.
5. Isolation joints shall be placed where walk abuts driveways and similar structures, and 250' centers max.
6. Install 18" tie bars #4 epoxy coated @ 18" o.c. and through wings as shown.
7. Sidewalk Ramp shall be lengthened to provide ADA compliance slope but need not exceed 15'.
8. ADA maximum ramp slope = 1/2%.
9. ADA maximum cross slope = 2%.
10. Curb depression at ramp opening shall be staked prior to curb construction.



SIDEWALK RAMP DETAILS

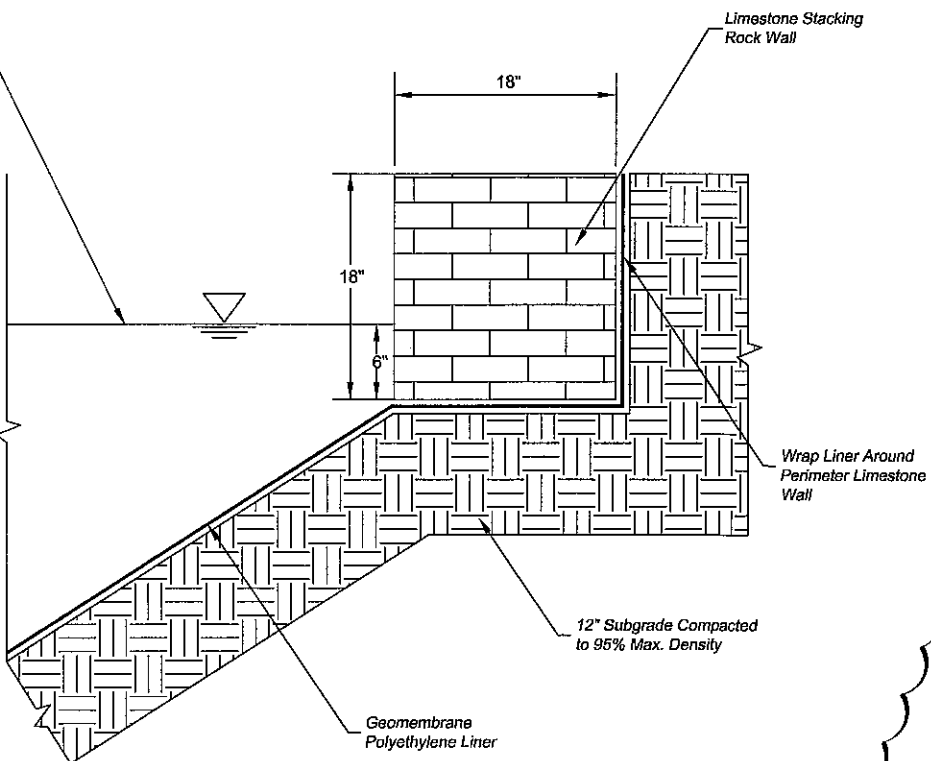
2



North Pool Spillway Section

NTS

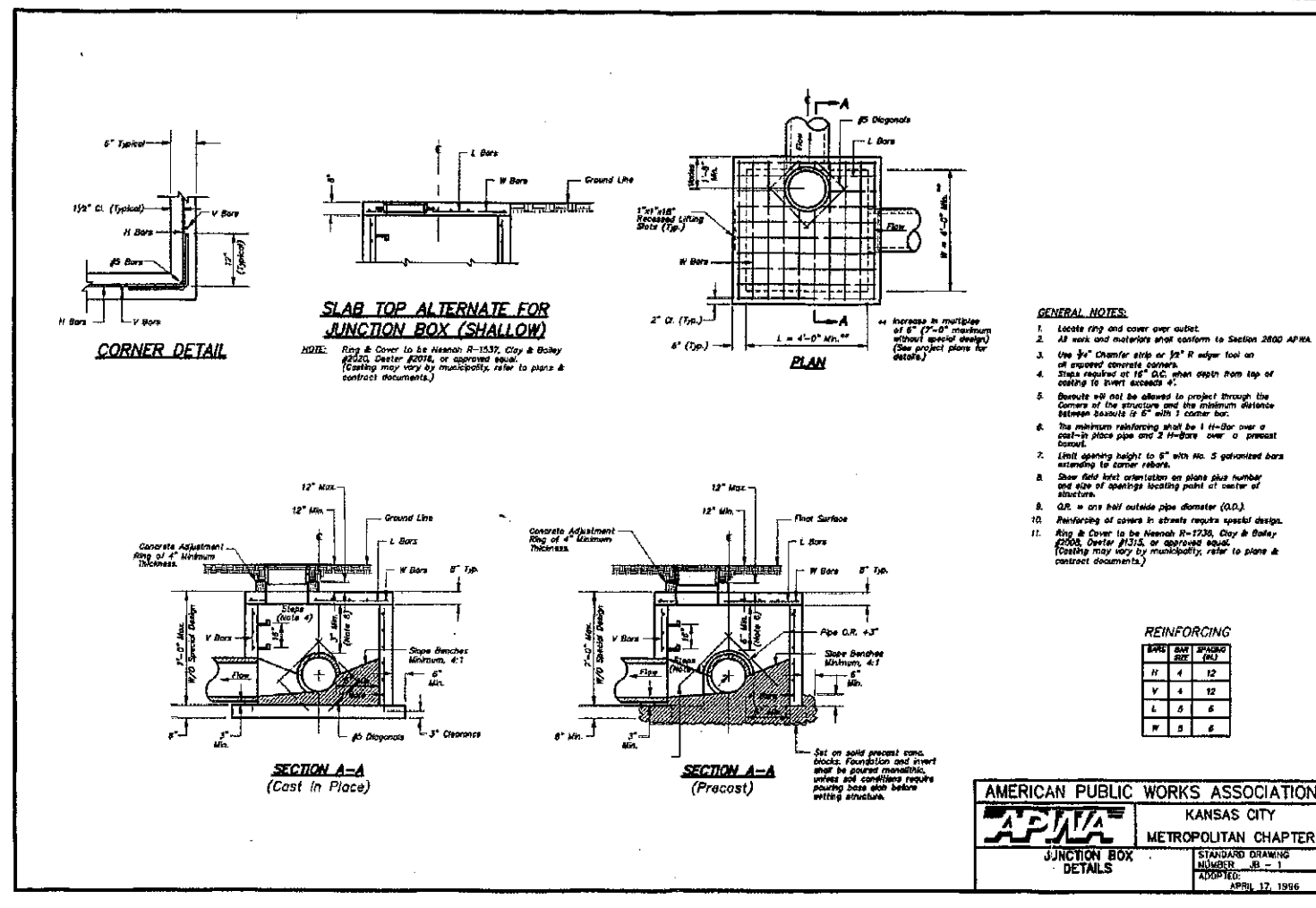
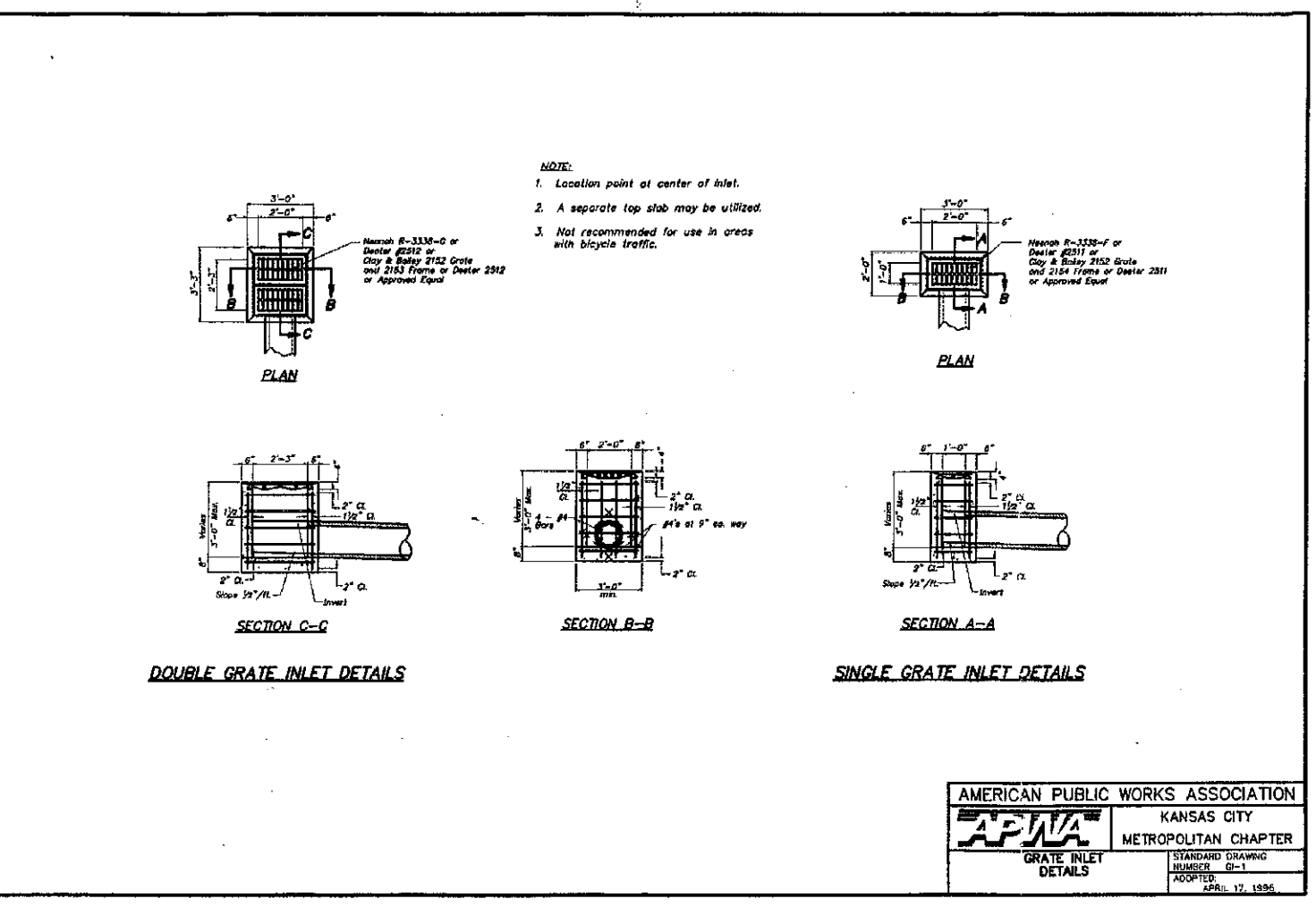
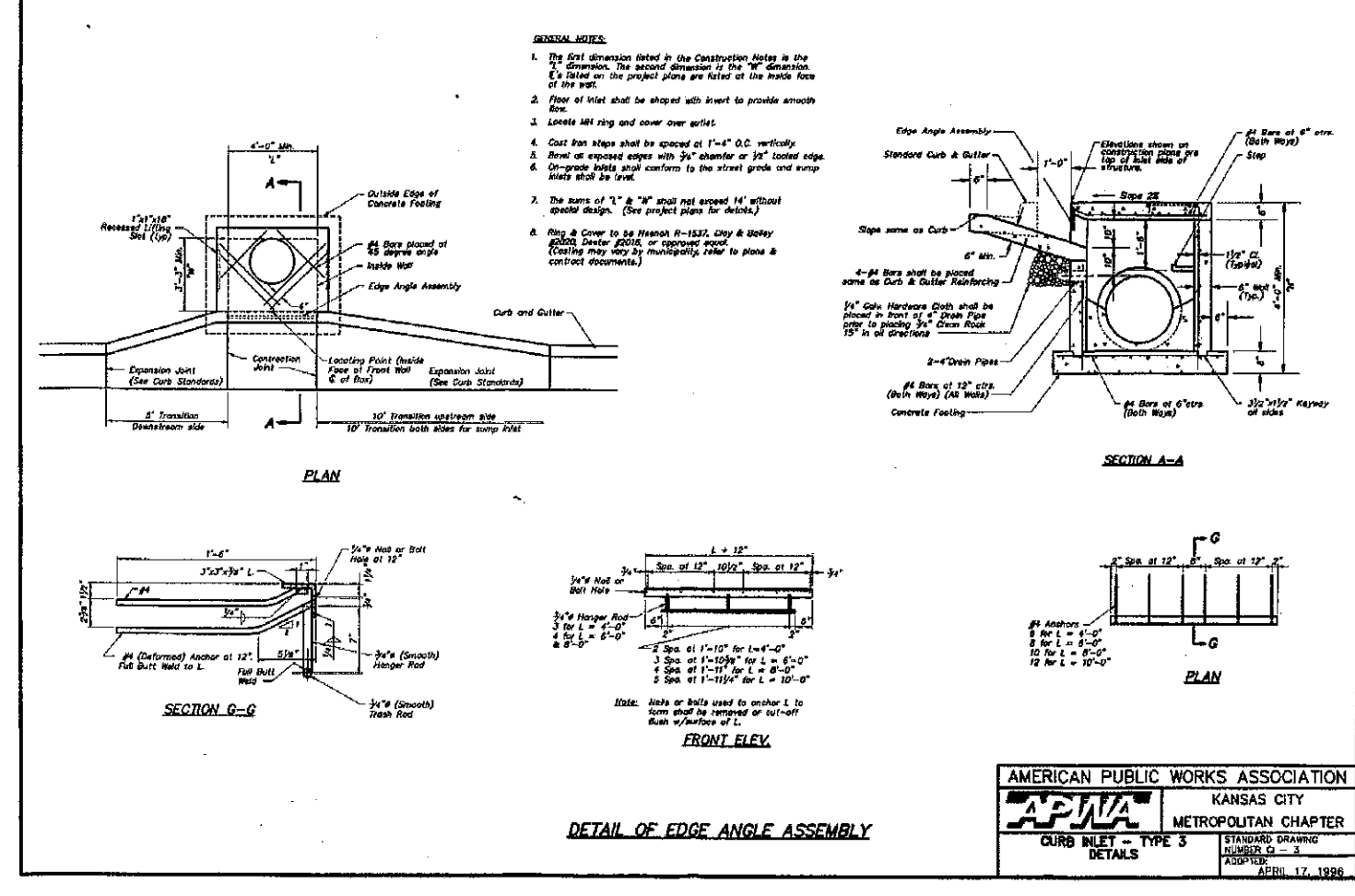
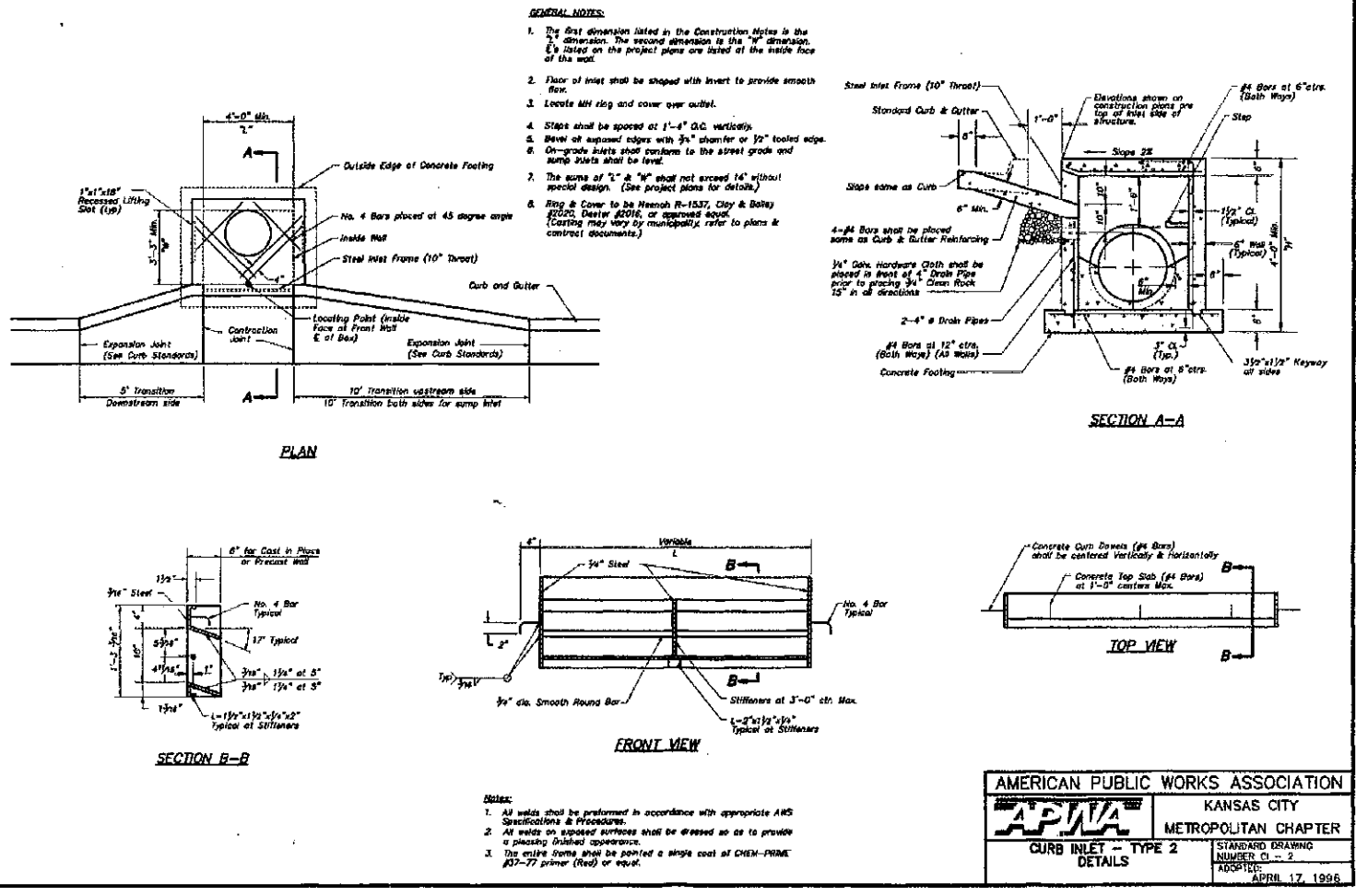
4

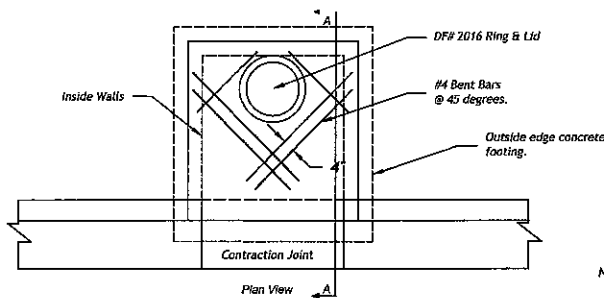


Limestone Wall Pond Detail

NTS

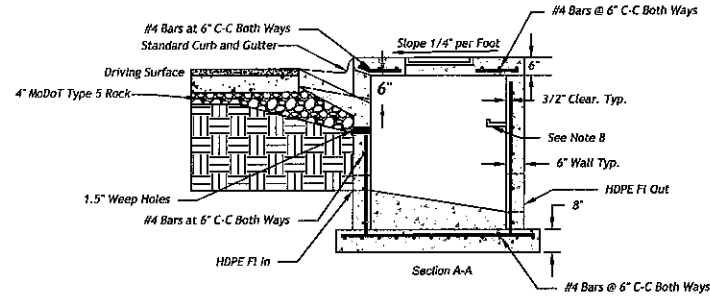
4





Notes:

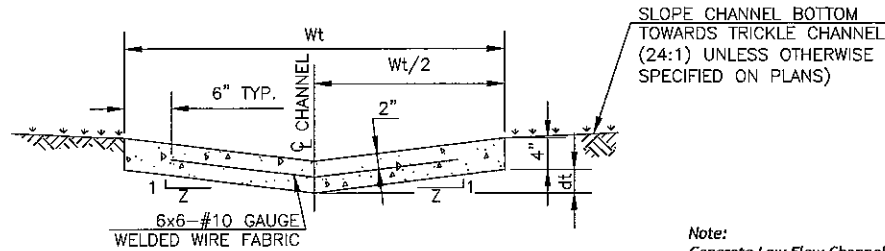
1. All Concrete shall be RCMBB-4k.
2. Inlet Construction notes shall list the "L" dimension first, the "W" dimension second, and the "H" dimension third.
3. Floor of inlets shall have a shaped concrete invert to provide for smooth flow.
4. The minimum dimension between top of pipe and top of box shall be 2' 6" (Typical all walls.)
5. All ingrade inlets shall conform to street grade. All inlets in sump shall be level. Bevel all exposed edges with 3/4" triangular molding.
6. Steps shall be spaced 1'-4" O.C. Vertically.
7. Any inlet, yard inlet, or junction box over 10 ft in length, 8 ft in width, or 12 ft in depth shall be considered non-standard, and a detail shall be shown. Any such detail shall be sealed by a structural engineer.
8. The throat and transition are subsidiary to the structure.
9. Lid shall be set true to line and grade along curb profile.



Standard Non-Setback Inlet Detail

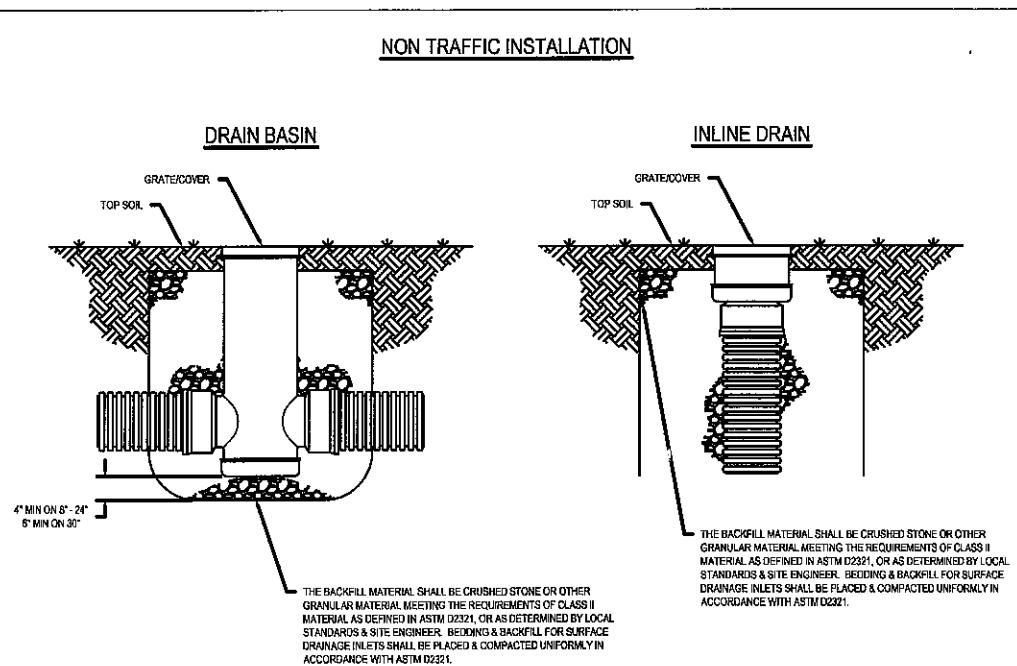
NTS

tt MINIMUM SIZE REQUIREMENTS
Wt = 4' (MIN)
dt = 0.5' (MIN)
Z = 4' (MIN)



CONCRETE LOW FLOW CHANNEL

Note:
Concrete Low Flow Channel to be used in parking lots only.



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DATE	9-30-99	PROJECT NO.	NAME	TITLE	DRAIN BASIN & INLINE DRAIN NON TRAFFIC INSTALLATION
REVIEWED BY	ENC	DATE	1-24-10	DATE	1-24-10

