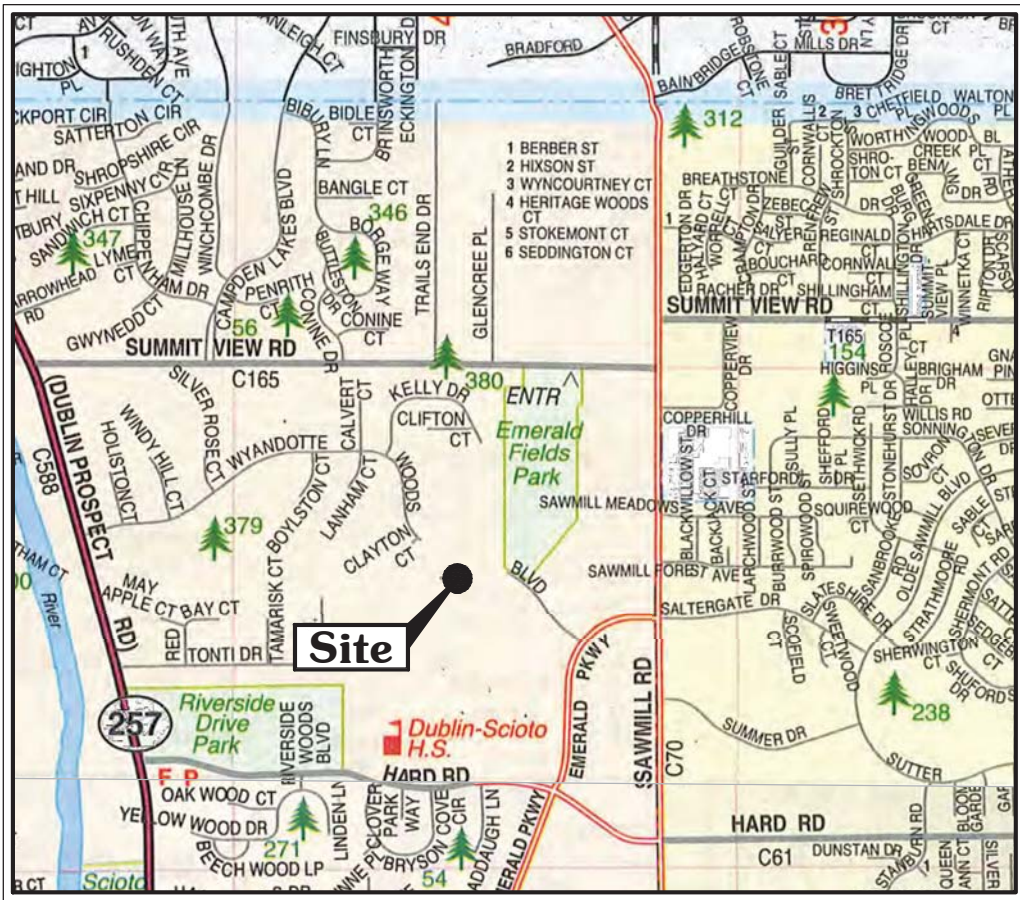


FINAL DEVELOPMENT PLAN

HAWTHORNE COMMONS

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO

2016



VICINITY MAP
N.T.S.

SITE DATA TABLE

AREA CALCULATIONS:

PRIVATE DEVELOPMENT AREA: 13.43 ACRES
RIGHT-OF-WAY IMPROVEMENTS AREA: 0.04 ACRES
TOTAL IMPROVEMENTS AREA: 12.66 ACRES
BIKE PATH IMPROVEMENTS: 0 ACRES
PERCENTAGE PUBLIC DEDICATED OR RIGHT OF WAY: 0% (0 ACRES)

PUBLIC STREETS: 0 ACRE
COMMON DRIVEWAYS: 2.20± ACRES
OPEN SPACE (LANDSCAPE & PONDS): 6.43 ACRES
DWELLING UNITS: 3.87 ACRES

BUILDING AREA: 171,891 S.F. (3.95 ACRES)

PARKING DATA:
GARAGE SPACES: 154
APRON SPACES: 154
APRON + STREET SPACES: 170
TOTAL PARKING SPACES PROVIDED: 324
LOADING SPACES PROVIDED: N/A

REQUIRED PARKING:
1 BEDROOM UNITS: 18 UNITS @ 1/UNIT = 36
2 BEDROOM UNITS: 45 UNITS @ 2/UNIT = 90
2+ BEDROOM UNITS: 23 UNITS @ 2/UNIT = 46
TOTAL REQUIRED: 172
LOADING SPACES REQUIRED: N/A

114,580± S.F. TOTAL PAVEMENT

TOTAL IMPERVIOUS AREA = 7.26 ACRES

CODE REFERENCE: SECTION 153.212 OF DUBLIN CITY CODE

BENCHMARKS:

ALL BENCH MARKS AND ELEVATIONS SHOWN UPON THIS PLAN ARE BASED ON THE (NAVD88) NORTH AMERICAN VERTICAL DATUM OF 1988.

B.M. DESIGNATION "FCGS 7769"

ALUMINUM CAP IN CONCRETE MONUMENT, AT THE CENTERLINE OF CONSTRUCTION INTERSECTION OF SAWMILL ROAD WITH THE CENTERLINE OF RIGHT OF WAY OF SALTERRATE DRIVE (STA 143+33.10 1987 PLANS), ACCESS THROUGH F.C. ROAD MONUMENT BOX.
N 774347.09, E 1803483.61
ELEV. 907.70

B.M. # 1

NORTH RIM OF A STORM MANHOLE LOCATED AT THE SOUTH SIDE OF WYANDOTTE WOODS BLVD. APPROXIMATELY 330 FEET SOUTH OF WYANDOTTE WOOD CIRCLE

ELEV. 918.30

B.M. # 2

AN IRON PIPE CAPPED "STANTEC" LOCATED IN THE CENTER OF THE ROUNDABOUT OF WYANDOTTE WOODS BLVD.

ELEV. 922.88

B.M. # 3

THE NORTH RIM OF A SANITARY MANHOLE LOCATED ON THE SOUTH SIDE OF WYANDOTTE WOODS BLVD BETWEEN HOUSE #4087 AND #4095

ELEV. 922.56

B.M. # 4

THE NORTHERN MOST BOLT OF A FIRE HYDRANT LOCATED ON THE SOUTH SIDE OF WYANDOTTE WOODS BLVD AT HOUSE #4119

ELEV. 929.24

HORIZONTAL CONTROL

H.C. #1

AN IRON PIPE CAPPED "STANTEC" LOCATED IN THE CENTER OF THE ROUNDABOUT OF WYANDOTTE WOODS BLVD.
N 775101.50, E 1801696.95

H.C. #2

AN IRON PIN SET APPROXIMATELY 7.5' WEST OF THE NORTHWEST PROPERTY CORNER OF HOMEWOOD CORPORATION.
N 775019.13, E 1800924.95

BASIS OF BEARING:

THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARINGS OF THE RECORD PLAT OF "ROADWAY DEDICATION PLAT OF EMERALD PARKWAY, WYANDOTTE WOODS BOULEVARD, SAWMILL ROAD AND VACATION OF 0.086 ACRES OF HARD ROAD" OF RECORD IN PLAT BOOK 107, PAGE 11-13, RECORDS OF THE RECORDER'S OFFICE, FRANKLIN COUNTY, OHIO.



INDEX MAP

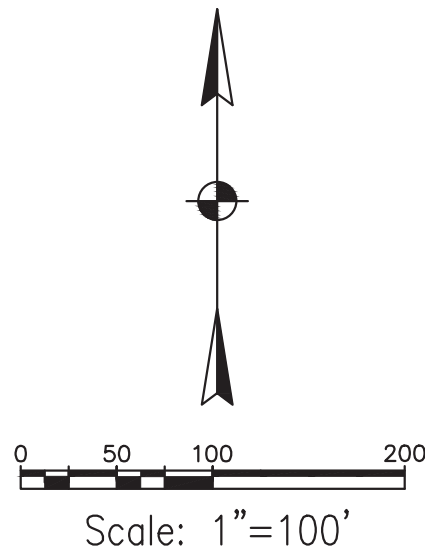
Scale: 1"=100'

SHEET INDEX

TITLE SHEET	1
GENERAL NOTES	2
SITE STAKING PLAN	3
UTILITY PLAN	4
GRADING PLAN	5-9
STORM SEWER PROFILES	10-15
EXISTING CONDITIONS PLAN	16
DETAILS	17-18

(WATER SERVICE PLAN UNDER SEPARATE COVER)

(STORMWATER POLLUTION PREVENTION PLAN UNDER SEPARATE COVER)



REVISIONS

NO.	DATE	DESCRIPTION	BY



800-362-2764 or 8-1-1
www.oups.org



CONTACT:

880 KING AVENUE
COLUMBUS, OHIO 43212
(614) 299-2999
(614) 299-2992 (Fax)
www.EPFERRIS.com

Drawing: M:\087001_HawthorneCommons\DWG\Final Development Plan\TIP_Titles.dwg Saved on: 11-02-15 11:26 Revised by: cpost -L Scale: 1"=100' Plot scale: 1"=1 MS/PS

- City of Columbus and Ohio Department of Transportation Construction and Material Specifications, current editions, and any supplements thereto (hereafter referred to as Standard Specifications), shall govern all construction items unless otherwise noted. If a conflict between specifications is found, the more strict specification will apply as decided by the City Engineer. Item Numbers listed refer to City of Columbus Item Numbers unless otherwise noted.
2. The City Engineer will not be responsible for means, methods, procedures, techniques, or sequences of construction that are not specified herein. The City Engineer will not be responsible for safety on the work site, or for failure by the Contractor to perform work according to contract documents.
3. The Developer or Contractor shall be responsible to obtain all necessary permits including but not limited to Ohio EPA Permits to Install (PTI) and Notices of Intent (NOI), Building Permits, etc.
4. The Contractor shall notify the City of Dublin Division of Engineering in writing at least 3 working days prior to beginning construction.
5. The Contractor shall be solely responsible for complying with all federal, state and local safety requirements including the Occupational Safety and Health Act of 1970. The Contractor shall exercise precaution always for the protection of persons (including employees) and property. It shall also be the sole responsibility of the Contractor to initiate, maintain and supervise all safety requirements, precautions and programs in connection with the work, including the requirements for confined spaces per 29 CFR 1910.146.
6. Following completion of construction of the site improvements and before requesting occupancy, a proof survey shall be provided to the Division of Engineering that documents "as-built" elevations, dimensions, slopes and alignments of all elements of this project. The proof survey shall be prepared, signed and submitted by the Professional Engineer who sealed the constructions drawings.
7. The Contractor shall restrict construction activity to public right-of-way and areas defined as permanent and/or temporary construction easements, unless otherwise authorized by the City Engineer.
8. The Contractor shall carefully preserve benchmarks, property corners, reference points, stakes and other survey reference monuments or markers. In cases of willful or careless destruction, the Contractor shall be responsible for restorations. Resetting of markers shall be performed by an Ohio Professional Surveyor as approved by the City Engineer.
9. Non-rubber tired vehicles shall not be moved on or across public streets or highways without the written permission of the City Engineer.
10. The Contractor shall restore all disturbed areas to equal or better condition than existed before construction. Drainage ditches or watercourses that are disturbed by construction shall be restored to the grades and cross-sections that existed before construction.
11. Tracking or spilling mud, dirt or debris upon streets, residential or commercial drives, sidewalks or bike paths is prohibited according to Section 97.38 of the Dublin Code of Ordinances. Any such occurrence shall be cleaned up immediately by the Contractor at no cost to the City. If the Contractor fails to remove said mud, dirt, debris, or spillage, the City reserves the right to remove these materials and clean affected areas, the cost of which shall be the responsibility of the Contractor.
12. Disposal of excess excavation within Special Flood Hazard Areas (100-year floodplain) is not permitted.
13. All signs, landscaping, structures or other appurtenances within right-of-way disturbed or damaged during construction shall be replaced or repaired to the satisfaction of the City Engineer. The cost of this work shall be the responsibility of the Contractor.
14. All field tile broken or encountered during excavation shall be replaced or repaired and connected to the public storm sewer system as directed by the City Engineer. The cost of this work shall be the responsibility of the Contractor.
15. All precast concrete products shall be inspected at the location of manufacture. Approved precast concrete products will be stamped or have such identification noting that inspection has been conducted by the City of Columbus. Precast concrete products without proof of inspection shall not be approved for installation.
16. Backfill within a 1:1 influence line of existing structures (houses, garages, etc.) or public infrastructure (pavement, curbs, sidewalks, bike paths, etc.) shall be compacted granular backfill according to Item 912 of the Standard Specifications or Flowable CDF, Type II according to Item 613. Item 911 of the Standard Specifications shall be used elsewhere.
17. The Contractor shall submit a copy of the approved construction drawings and a list of proposed precast concrete product manufacturers to the City of Columbus Construction Inspection Division before commencing construction.

Send the information to the following address:

Construction Inspection Division
City of Columbus
1800 East 17th Avenue
Columbus, Ohio 43219

Send a copy of the transmittal letter to the following address:

Division of Engineering
City of Dublin
5800 Shier Rings Road
Dublin, Ohio 43016

18. All trenches within public right-of-way shall be backfilled according to the approved construction drawings or securely plated during nonworking hours. Trenches outside these areas shall be backfilled or shall be protected by approved temporary fencing or barricades during nonworking hours. Clean up shall follow closely behind the trenching operation.

- ## UTILITIES

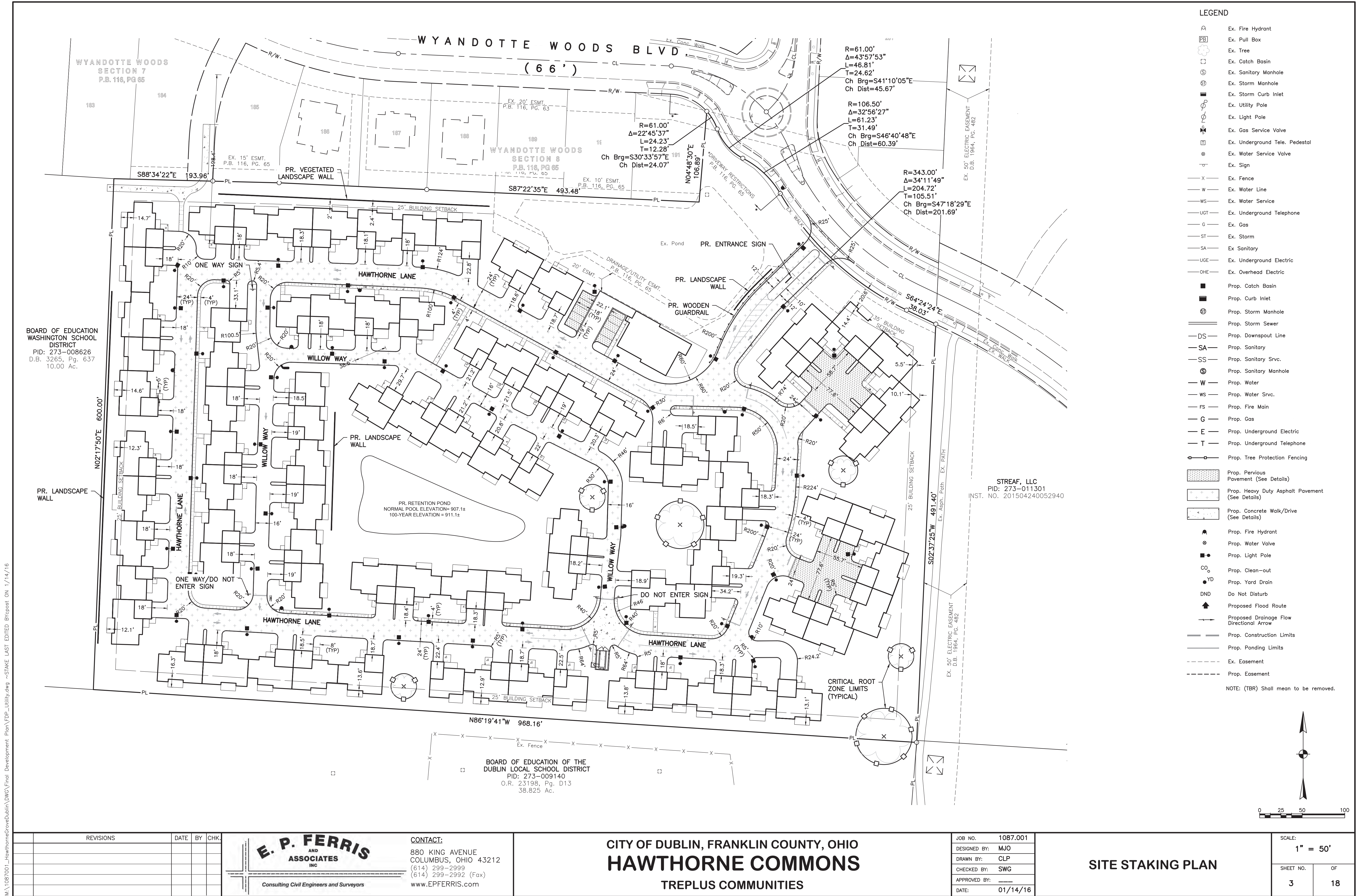
- CONTACT:**
880 KING
COLUMBU
(614) 299
(614) 299
www.EPFI.com

CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
HAWTHORNE COMMONS
TREPLUS COMMUNITIES

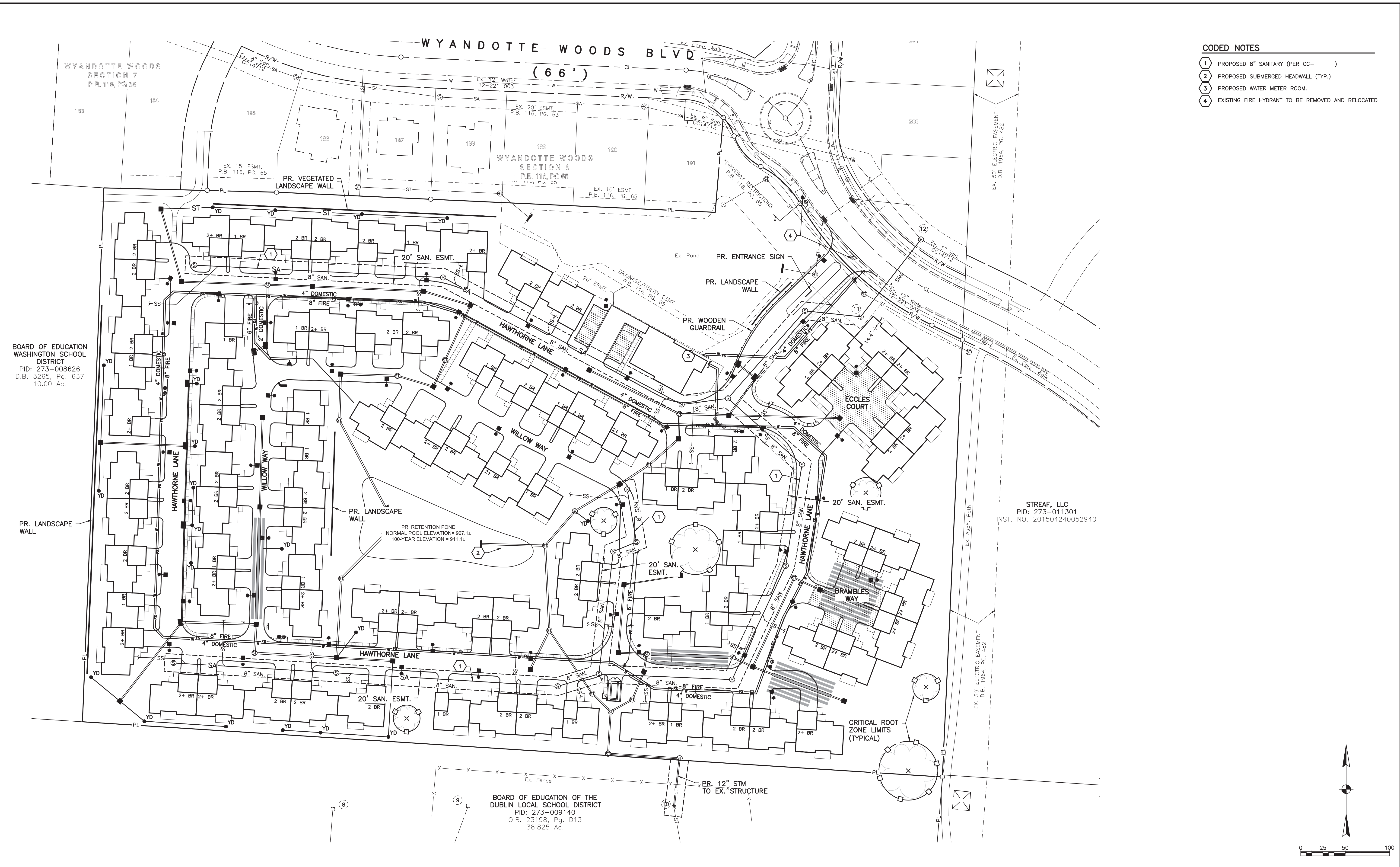
1. The Contractor shall make proper arrangements with the Dublin Service Department and the Columbus Division of Water for the use of fire hydrants when used for work performed under this contract and provide the city of Dublin a copy of the Hydrant Usage Permit obtained from the City of Columbus. The Contractor shall also send a copies of permits obtained from Dublin and Columbus to the Washington and/or Perry Township Fire Department. Permits shall be kept at the construction site at all times.
2. Before the final estimate is paid, the Contractor shall submit a letter from the City of Columbus Division of Water to the City Engineer stating that the Contractor has returned the Siamese Valve to the City of Columbus and has paid all costs arising from the use of the fire hydrants

E.P. FERRIS & ASSOCIATES INC

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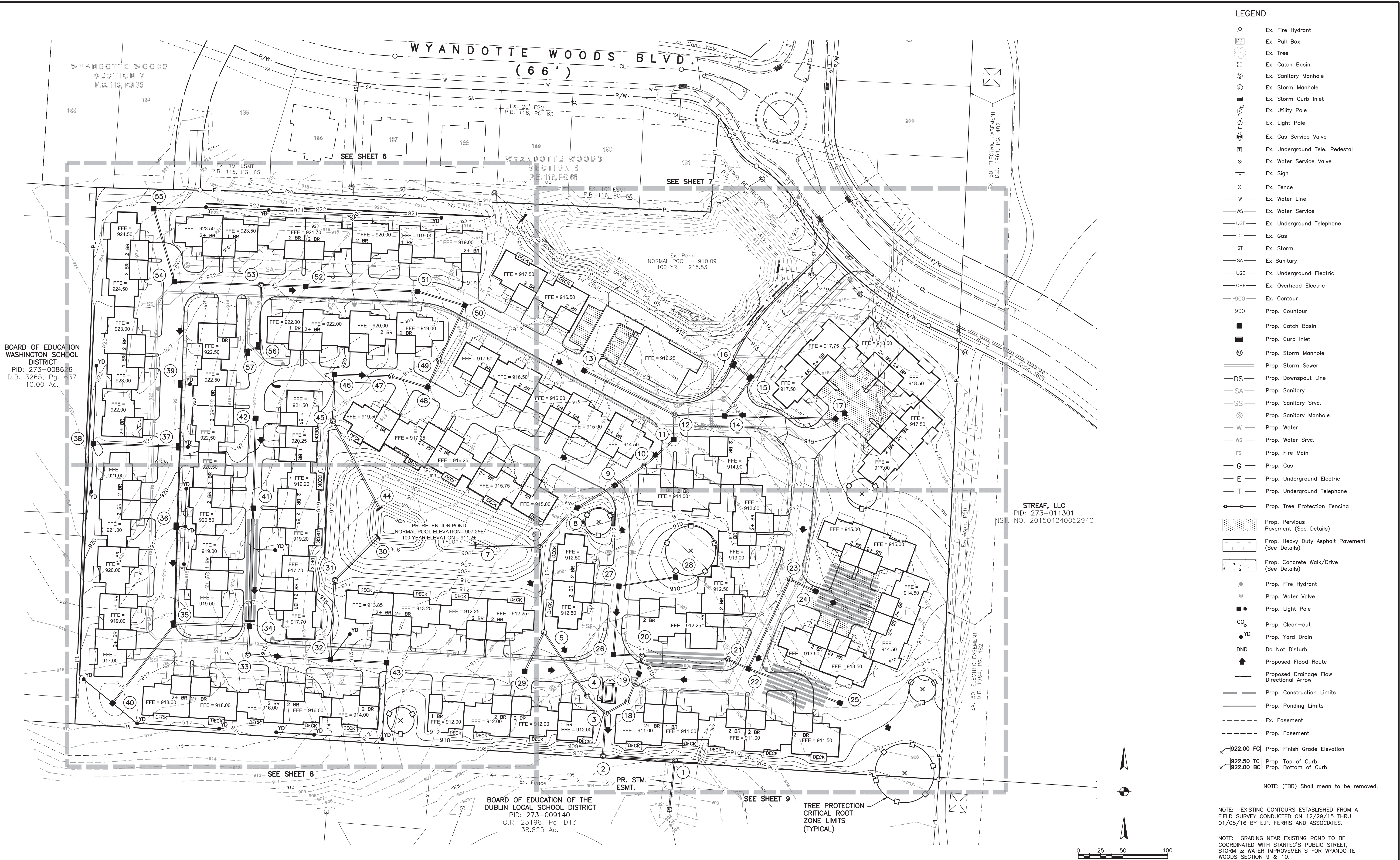
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HAWTHORNE COMMONS
TREPLUS COMMUNITIES

JOB NO.	1087.001
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DRAWN BY:	CLP
CHECKED BY:	SWG
APPROVED BY:	
DATE:	01/14/16

UTILITY PLAN

SCALE: 1" = 50'	
SHEET NO. 4	OF 18

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LEGEND

- Ex. Fire Hydrant
- Ex. Pull Box
- Ex. Tree
- Ex. Catch Basin
- Ex. Sanitary Manhole
- Ex. Storm Manhole
- Ex. Storm Curb Inlet
- Ex. Utility Pole
- Ex. Light Pole
- Ex. Gas Service Valve
- Ex. Underground Tele. Pedestal
- Ex. Water Service Valve
- Ex. Sign
- Ex. Fence
- Ex. Water Line
- Ex. Water Service
- Ex. Underground Telephone
- Ex. Gas
- Ex. Storm
- Ex. Sanitary
- Ex. Underground Electric
- Ex. Overhead Electric
- Ex. Contour
- Prop. Countour
- Prop. Catch Basin
- Prop. Curb Inlet
- Prop. Storm Manhole
- Prop. Storm Sewer
- Prop. Downspout Line
- Prop. Sanitary
- Prop. Sanitary Svc.
- Prop. Sanitary Manhole
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- Prop. Water Svc.
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- Prop. Pervious Pavement (See Details)
- Prop. Heavy Duty Asphalt Pavement (See Details)
- Prop. Concrete Walk/Drive (See Details)
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- Prop. Water Valve
- Prop. Light Pole
- Prop. Clean-out
- Prop. Yard Drain
- Do Not Disturb
- Proposed Flood Route
- Proposed Drainage Flow Directional Arrow
- Prop. Construction Limits
- Prop. Ponding Limits
- Ex. Easement
- Prop. Easement
- 922.00 FG Prop. Finish Grade Elevation
- 922.50 TC Prop. Top of Curb
- 922.00 BC Prop. Bottom of Curb

NOTE: (TBR) Shall mean to be removed.

NOTE: EXISTING CONTOURS ESTABLISHED FROM A FIELD SURVEY CONDUCTED ON 12/29/15 THRU 01/05/16 BY E.P. FERRIS AND ASSOCIATES.

NOTE: GRADING NEAR EXISTING POND TO BE COORDINATED WITH STANTEC'S PUBLIC STREET, STORM & WATER IMPROVEMENTS FOR WYANDOTTE WOODS SECTION 9 & 10.

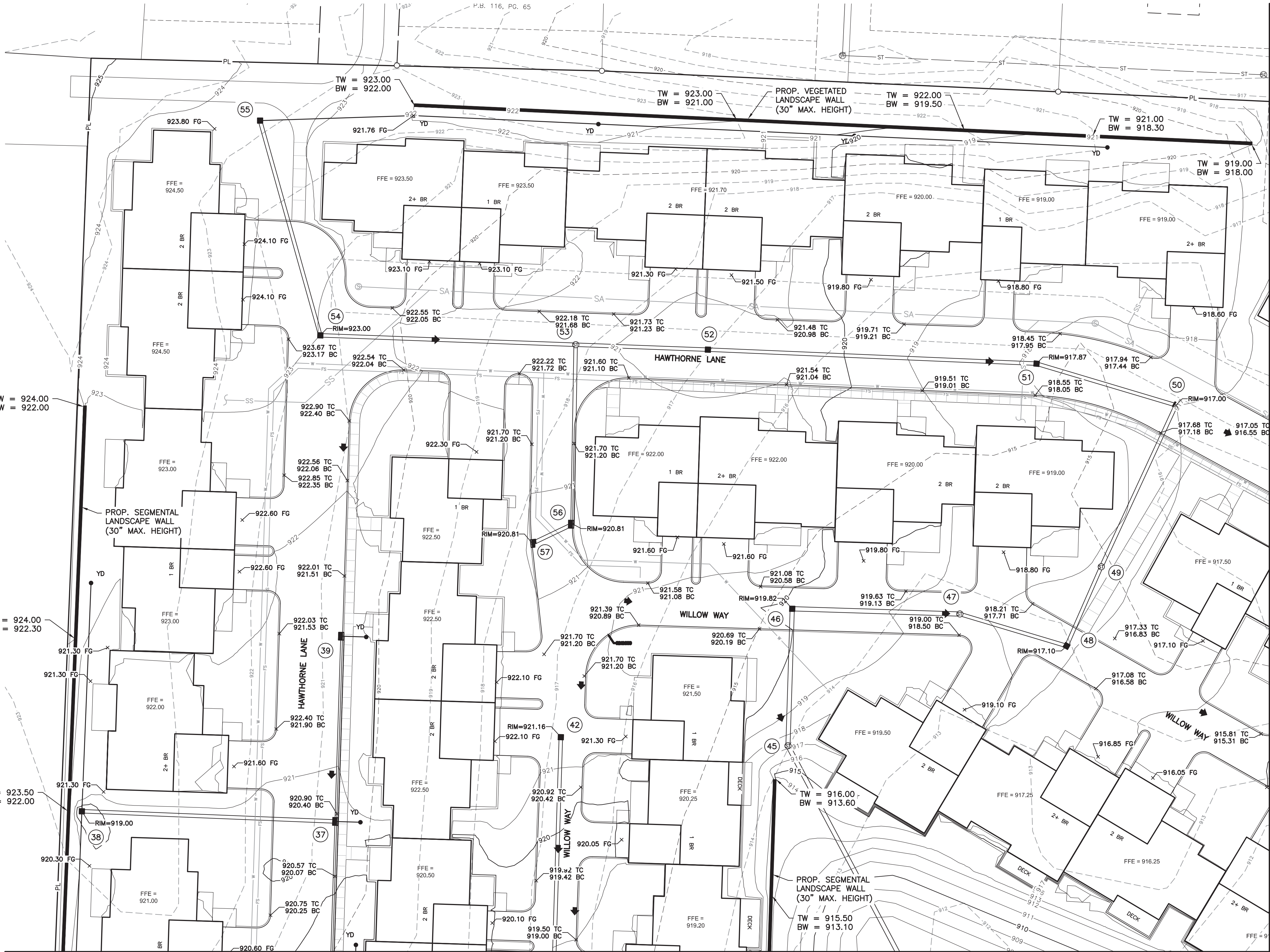
REVISIONS	DATE	BY	CHK.

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(614) 299-2992 (Fax)
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CITY OF DUBLIN, FRANKLIN COUNTY, OHIO HAWTHORNE COMMONS TREPLUS COMMUNITIES		JOB NO. 1087.001 DESIGNED BY: MJO DRAWN BY: CLP CHECKED BY: SWG APPROVED BY: _____ DATE: 01/14/16	SCALE: 1" = 50' SHEET NO. 5 OF 18
GRADING PLAN			

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LEGEND

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- Ex. Easement
- Prop. Easement
- Prop. Finish Grade Elevation
- Prop. Top of Curb
- Prop. Bottom of Curb

NOTE: (TBR) Shall mean to be removed.

REVISIONS	DATE	BY	CHK.

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TREPLUS COMMUNITIES

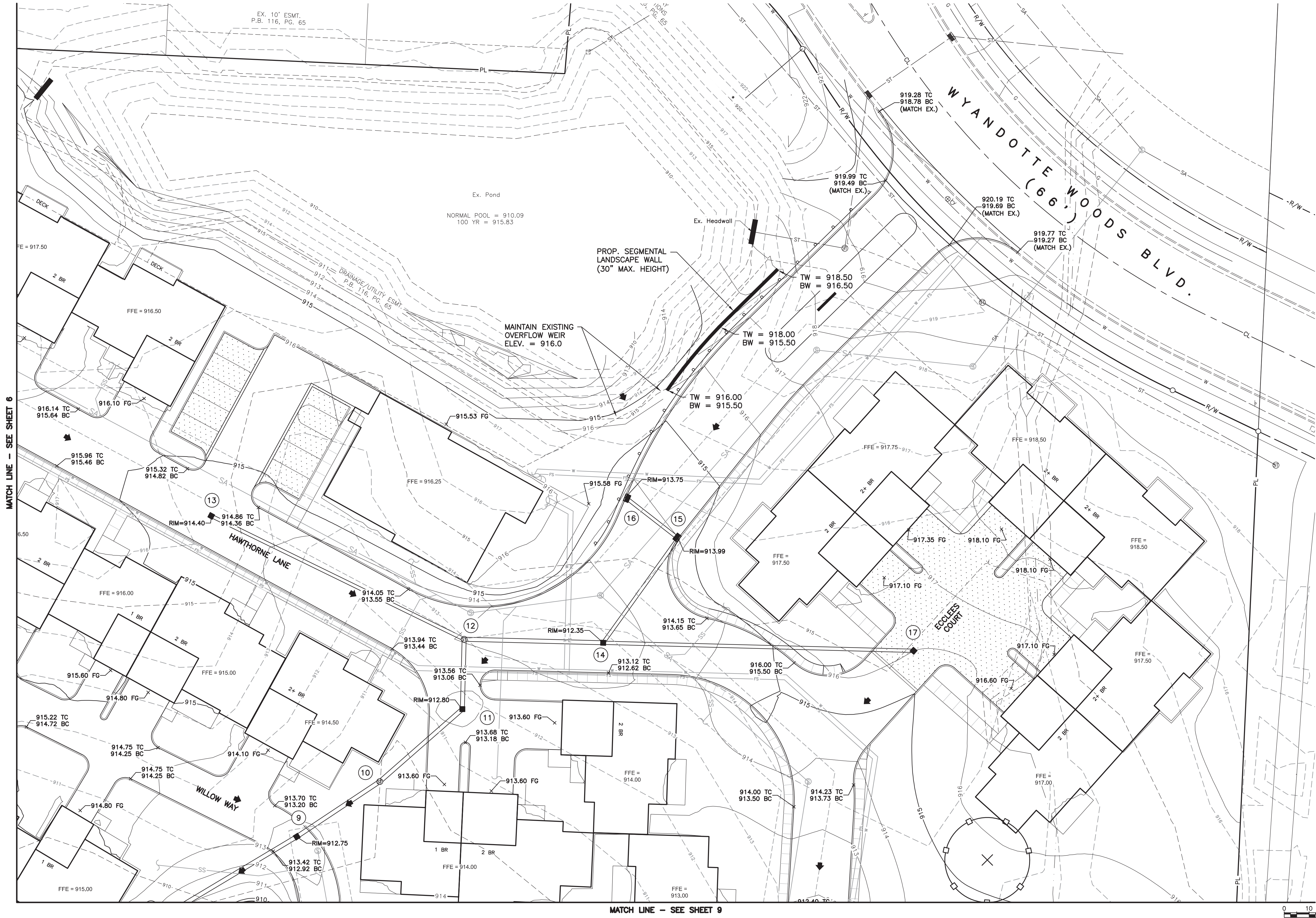
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APPROVED BY:	
DATE:	01/14/16

SCALE:
1" = 20'

DETAILED GRADING PLAN

SHEET NO.	OF
6	18

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- LEGEND**
- Ex. Fire Hydrant
 - Ex. Pull Box
 - Ex. Tree
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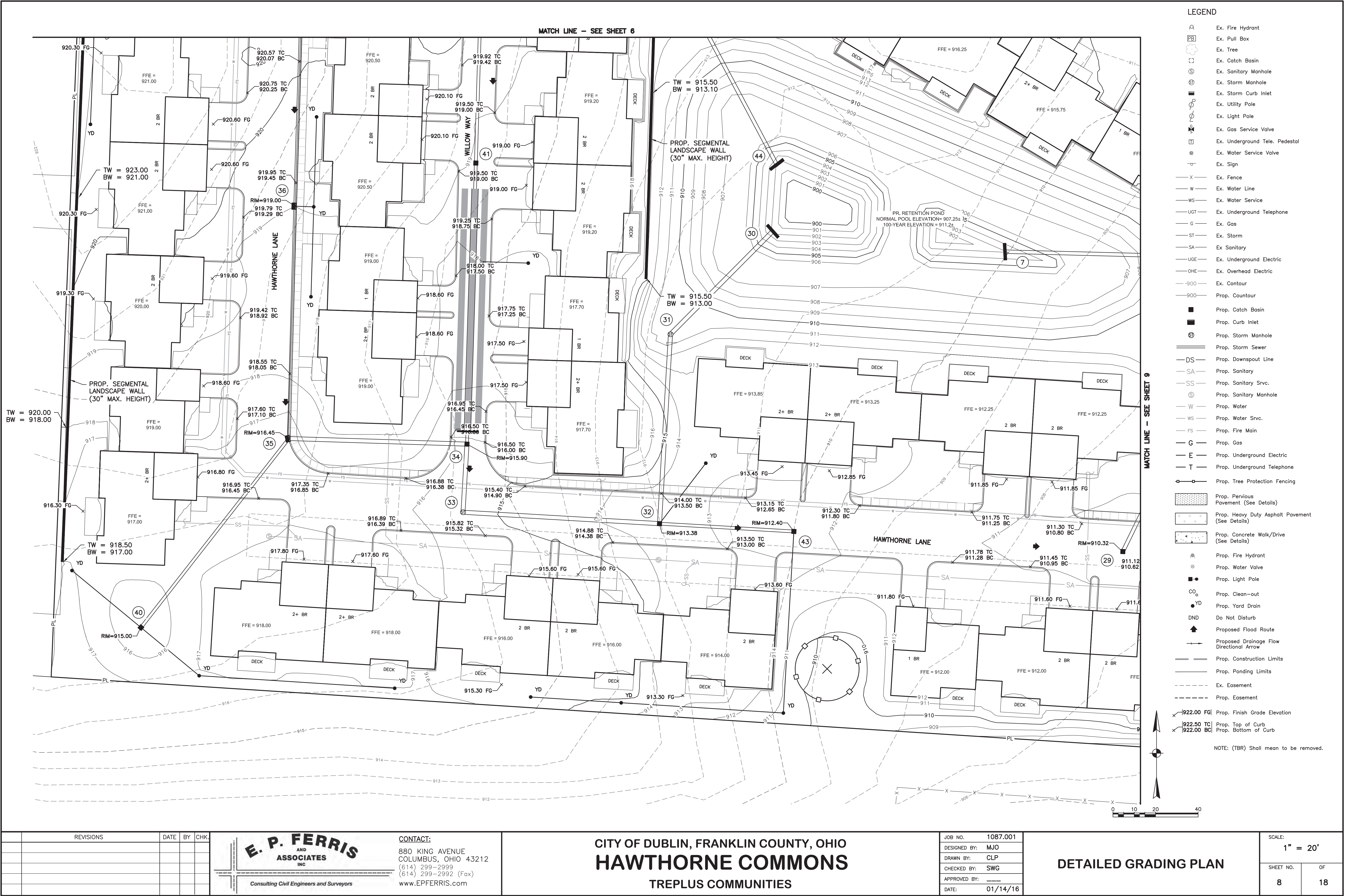
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DETAILED GRADING PLAN

SCALE:	1" = 20'
SHEET NO.	OF
7	18

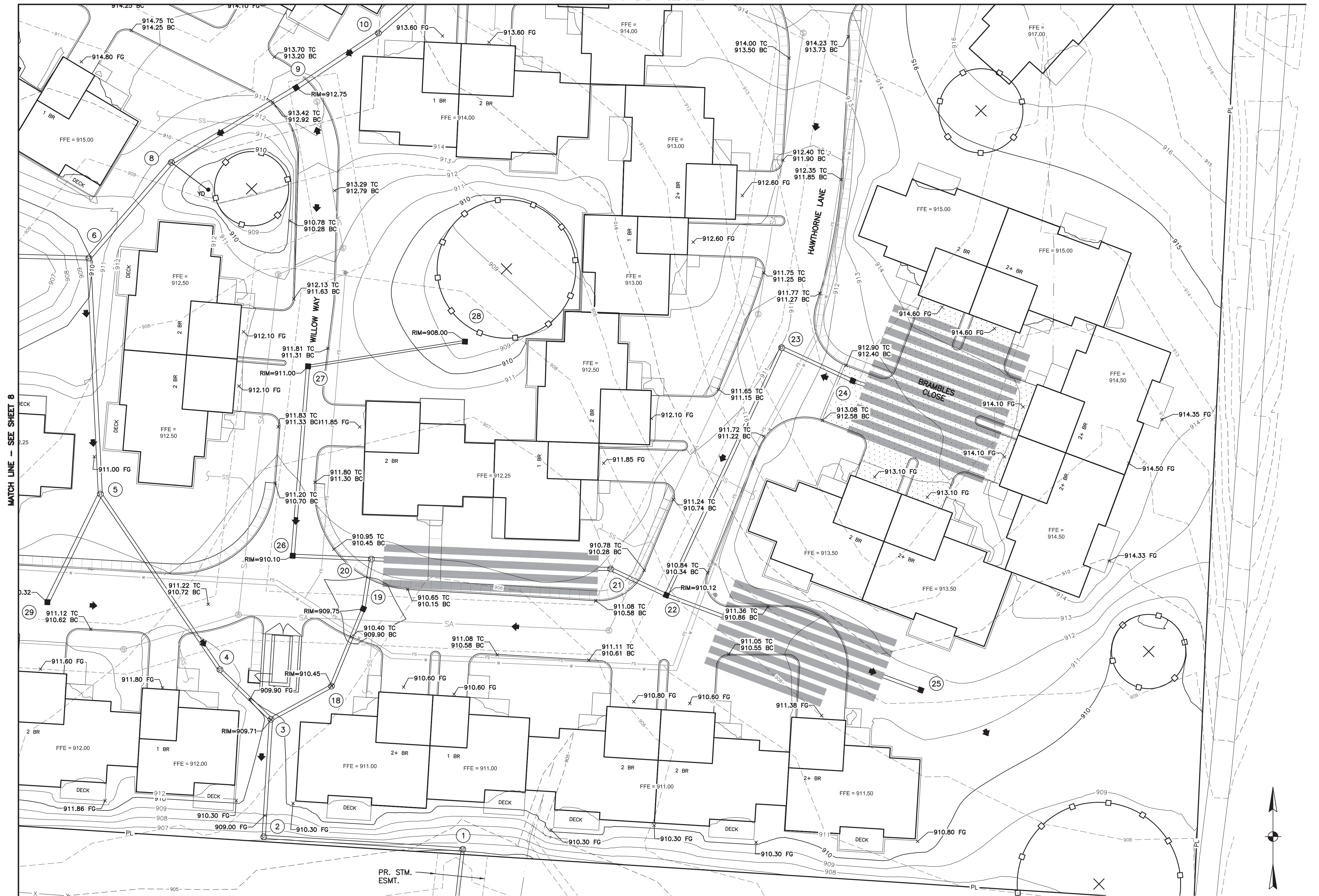
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MATCH LINE - SEE SHEET 8

MATCH LINE - SEE SHEET 7



LEGEND

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NOTE: (TBR) Shall mean to be removed.

REVISIONS

DATE BY CHK.

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AND
ASSOCIATES
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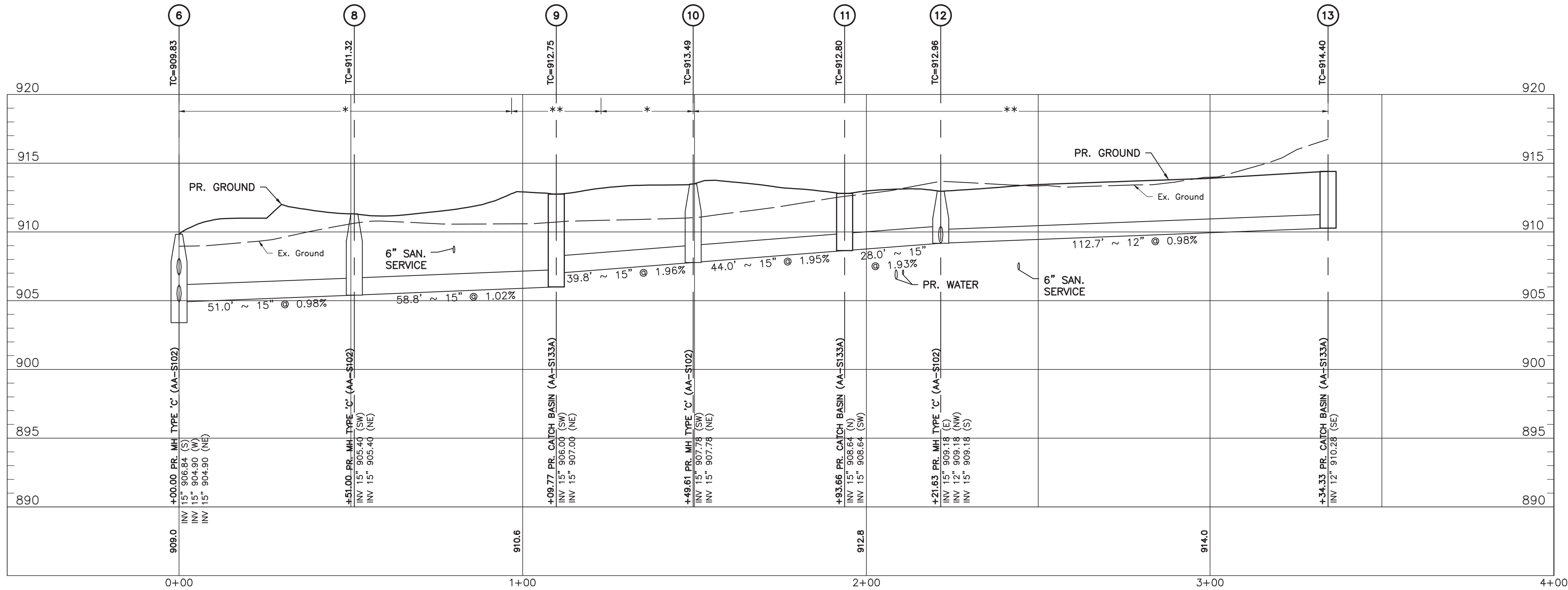
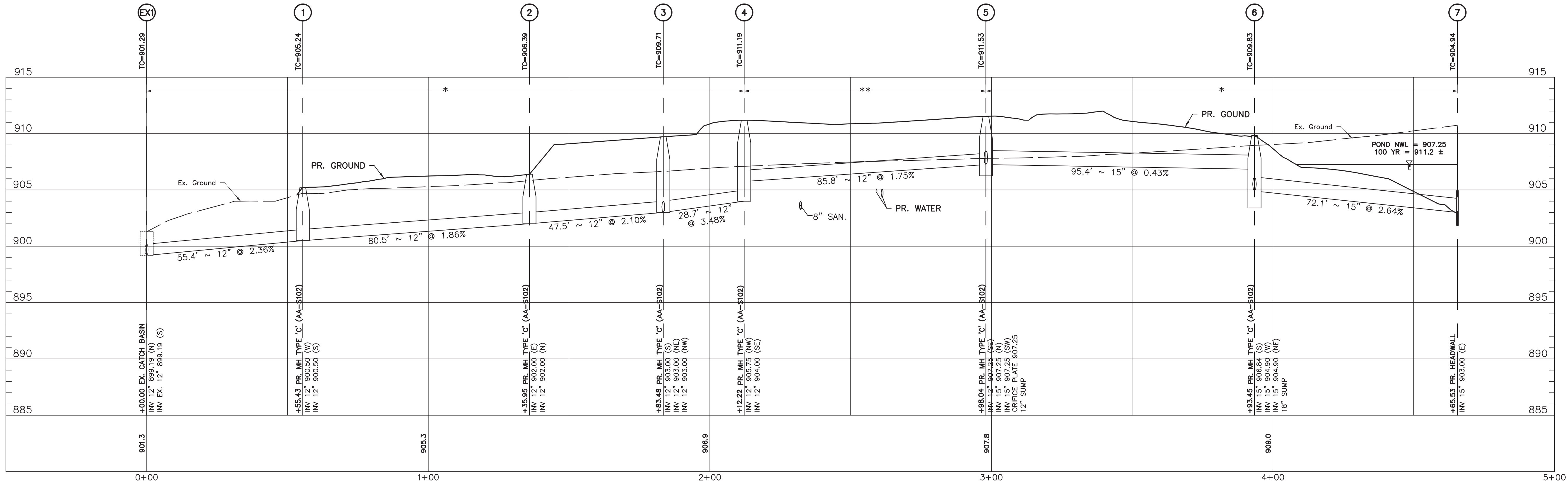
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
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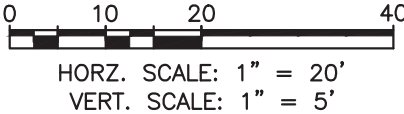
DETAILED GRADING PLAN

SCALE:
1" = 20'
SHEET NO. 9 OF 18

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NOTE:
* ITEM 911 COMPACTED BACKFILL
** ITEM 912 COMPACTED BACKFILL
*** BACKFILL STORM (PERFORATED) WITH CLEAN #57 CRUSHED LIMESTONE TO BOTTOM OF PERVIOUS PAVEMENT SECTION/BIO-RETENTION SECTION.



REVISIONS	DATE	BY	CHK.

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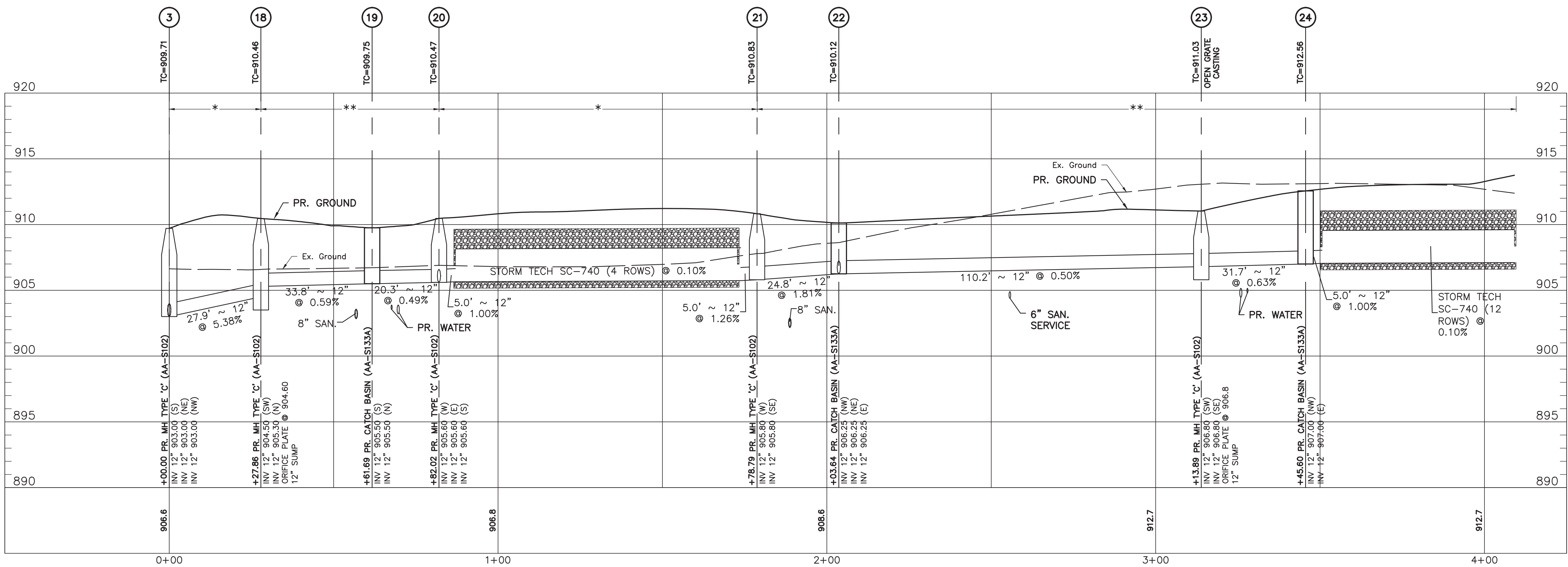
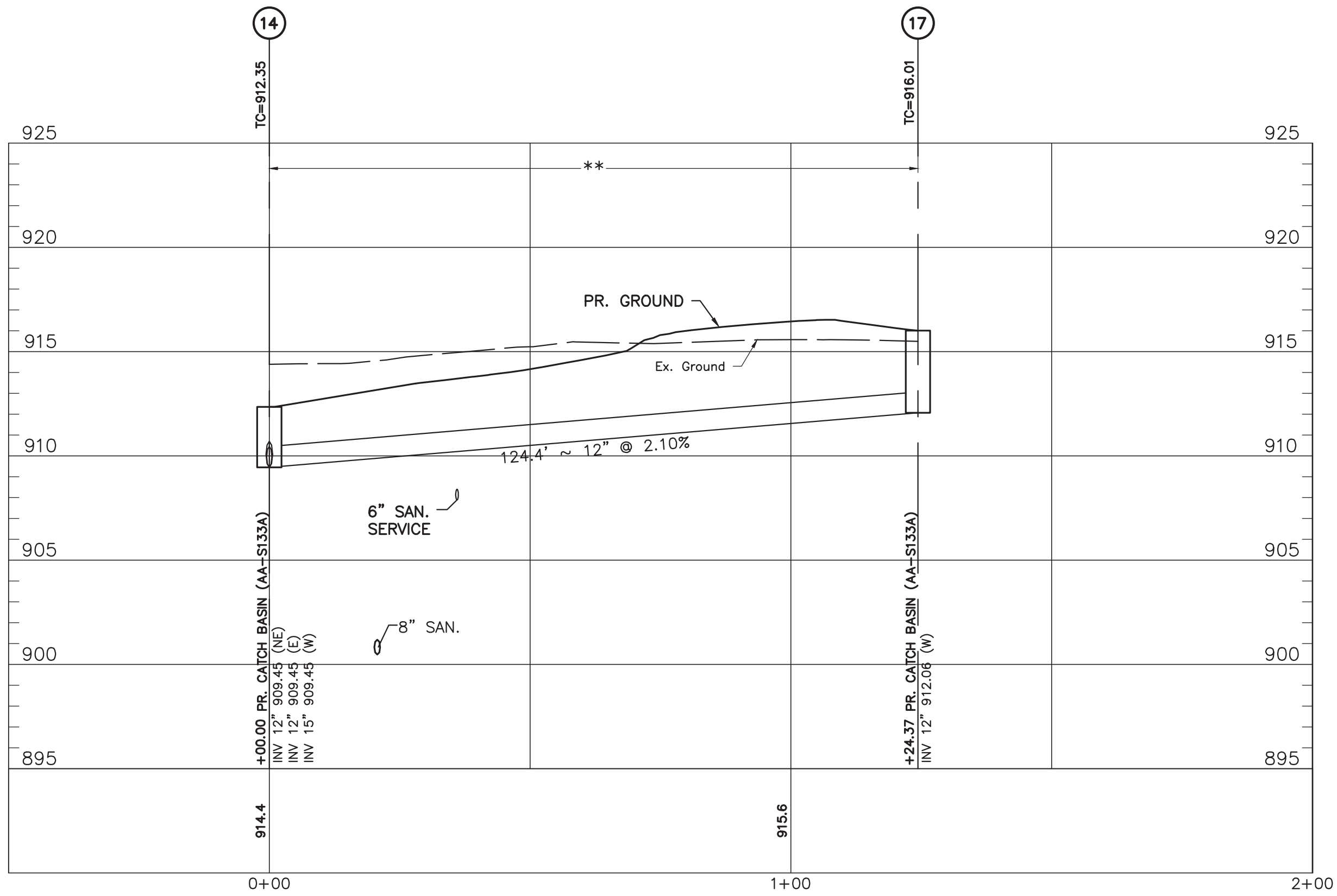
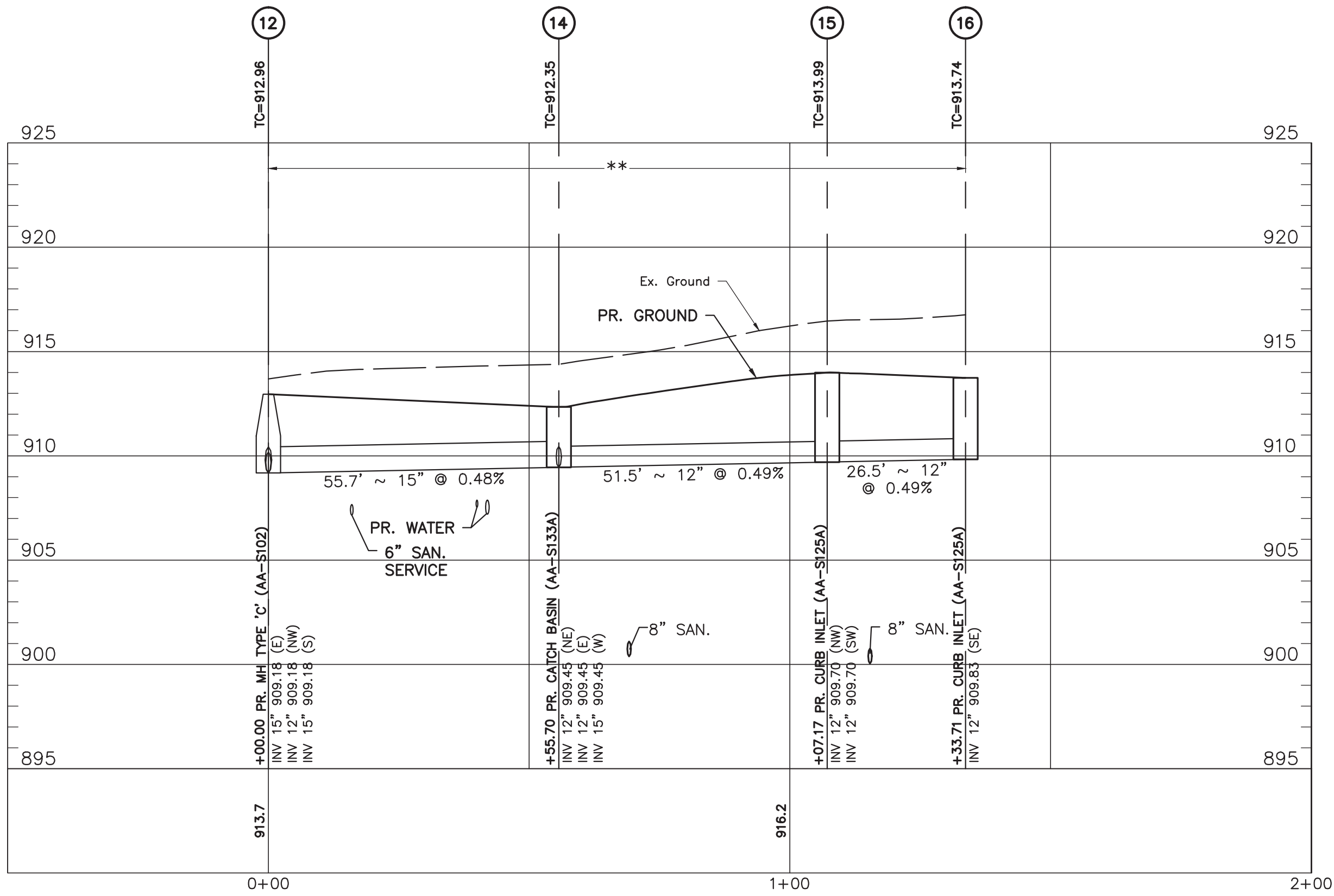
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HAWTHORNE COMMONS
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DATE: 01/14/16

STORM SEWER PROFILES

SCALE:	
1" = 20'	
SHEET NO.	OF
10	18

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NOTE:
* ITEM 911 COMPACTED BACKFILL
** ITEM 912 COMPACTED BACKFILL
*** BACKFILL STORM (PERFORATED) WITH CLEAN #57 CRUSHED LIMESTONE TO BOTTOM OF PERVIOUS PAVEMENT SECTION/BIO-RETENTION SECTION.

0 10 20 40
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

REVISIONS	DATE	BY	CHK.



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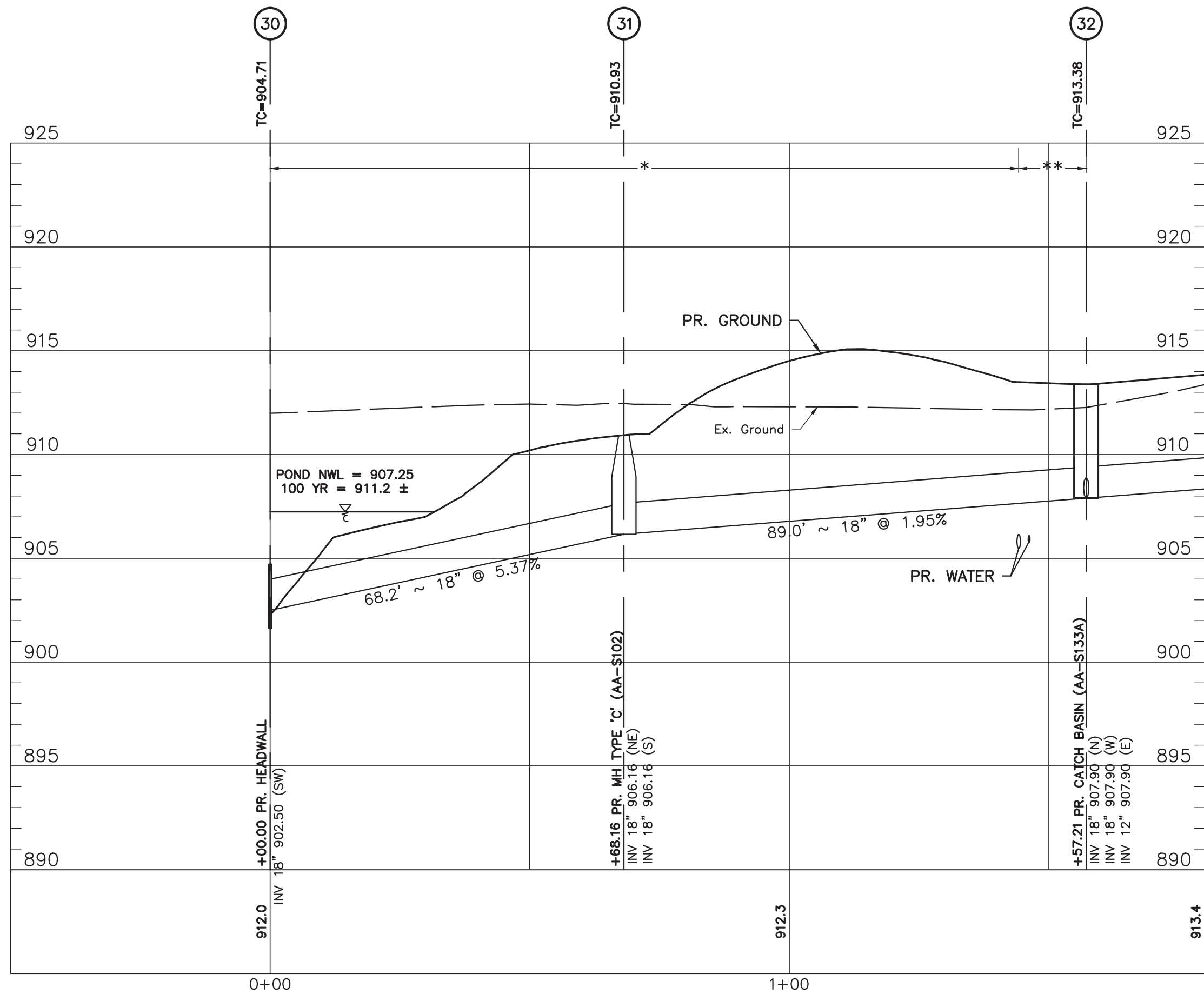
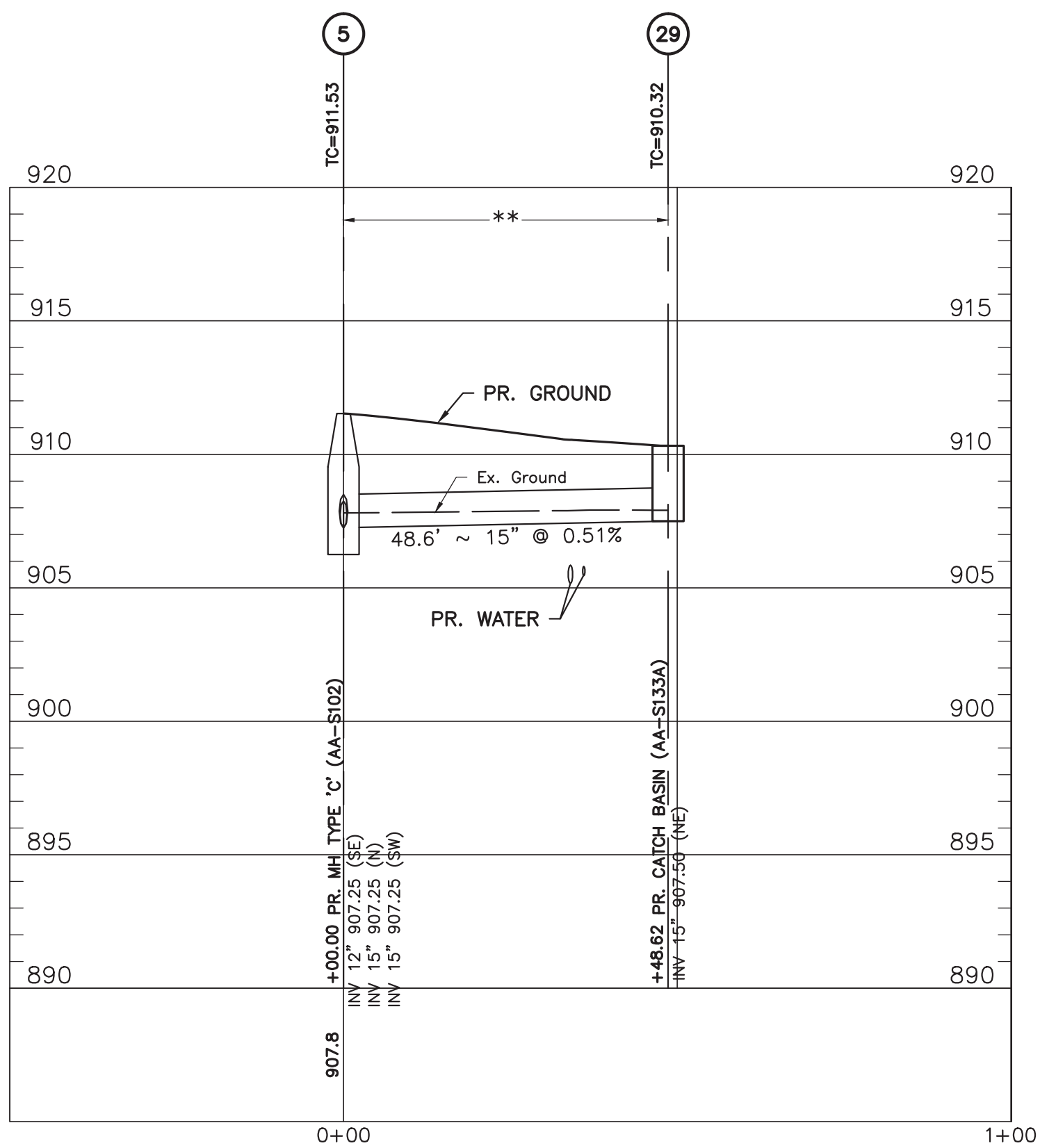
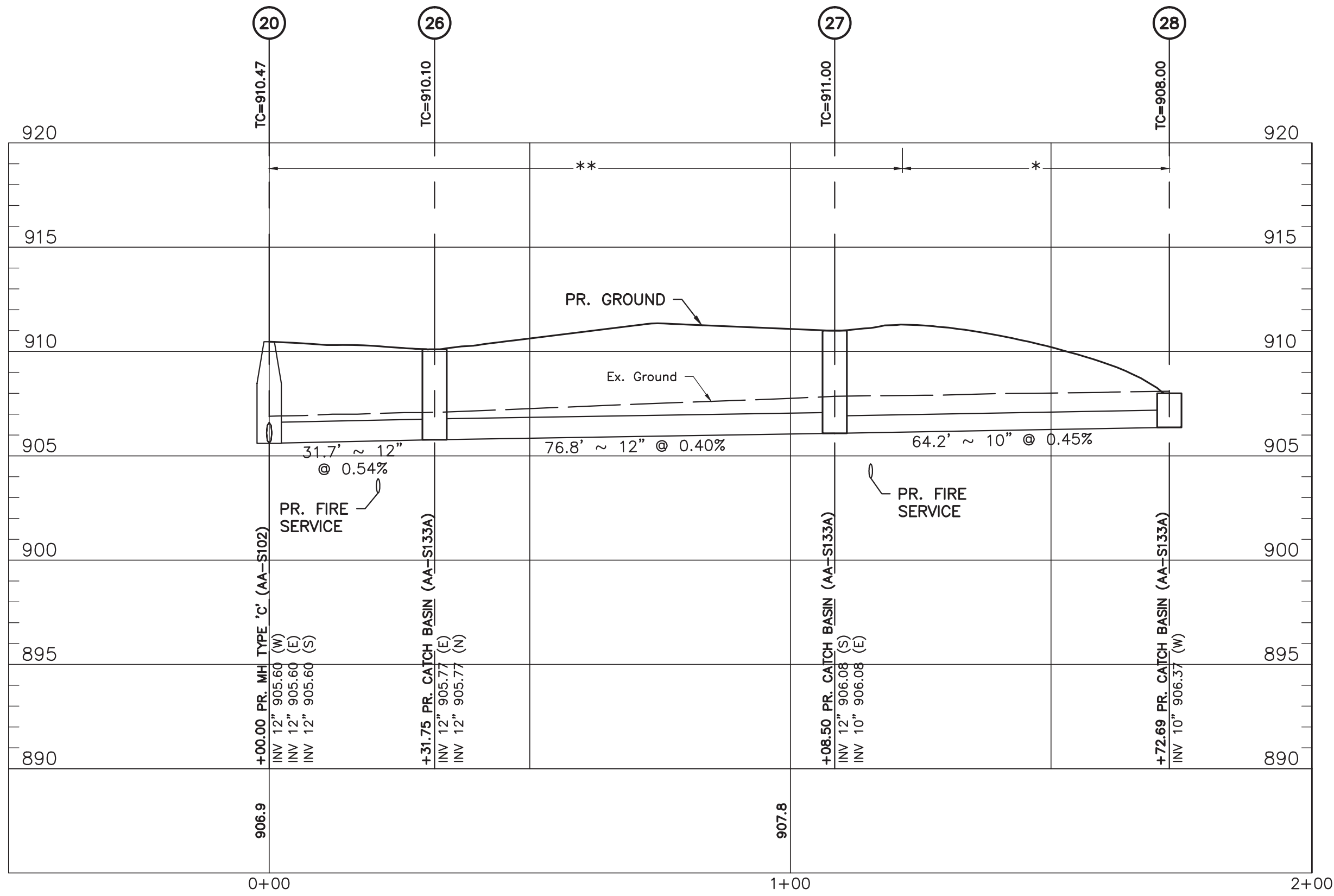
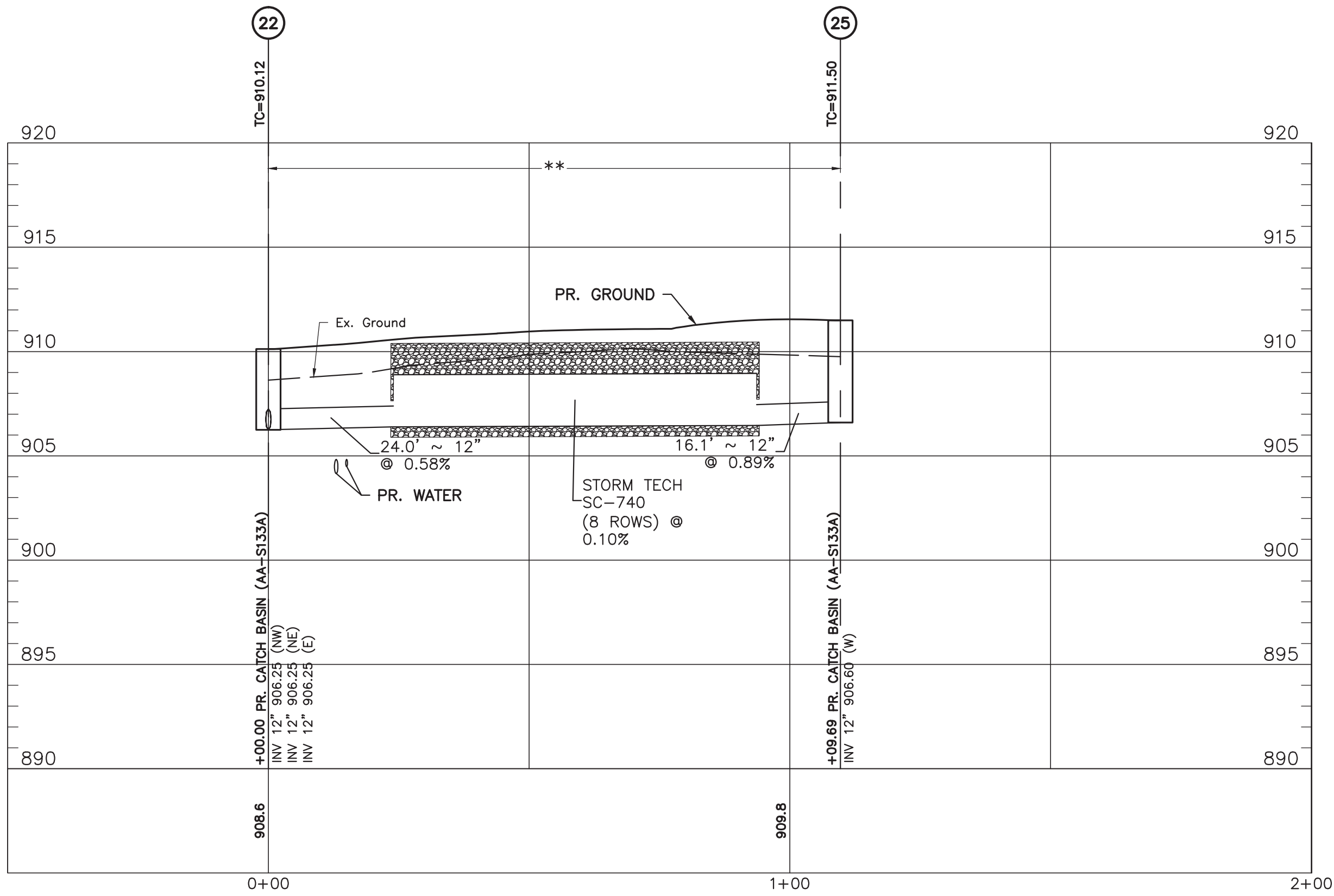
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
HAWTHORNE COMMONS
TREPLUS COMMUNITIES

JOB NO.	1087.001
DESIGNED BY:	MJO
DRAWN BY:	CLP
CHECKED BY:	SWG
APPROVED BY:	
DATE:	01/14/16

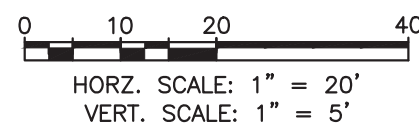
STORM SEWER PROFILES

SCALE: 1" = 20'	
SHEET NO. 11	OF 18

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NOTE:
* ITEM 911 COMPACTED BACKFILL
** ITEM 912 COMPACTED BACKFILL
*** BACKFILL STORM (PERFORATED) WITH CLEAN #57 CRUSHED LIMESTONE TO BOTTOM OF PERVIOUS PAVEMENT SECTION/BIO-RETENTION SECTION.



REVISIONS	DATE	BY	CHK.



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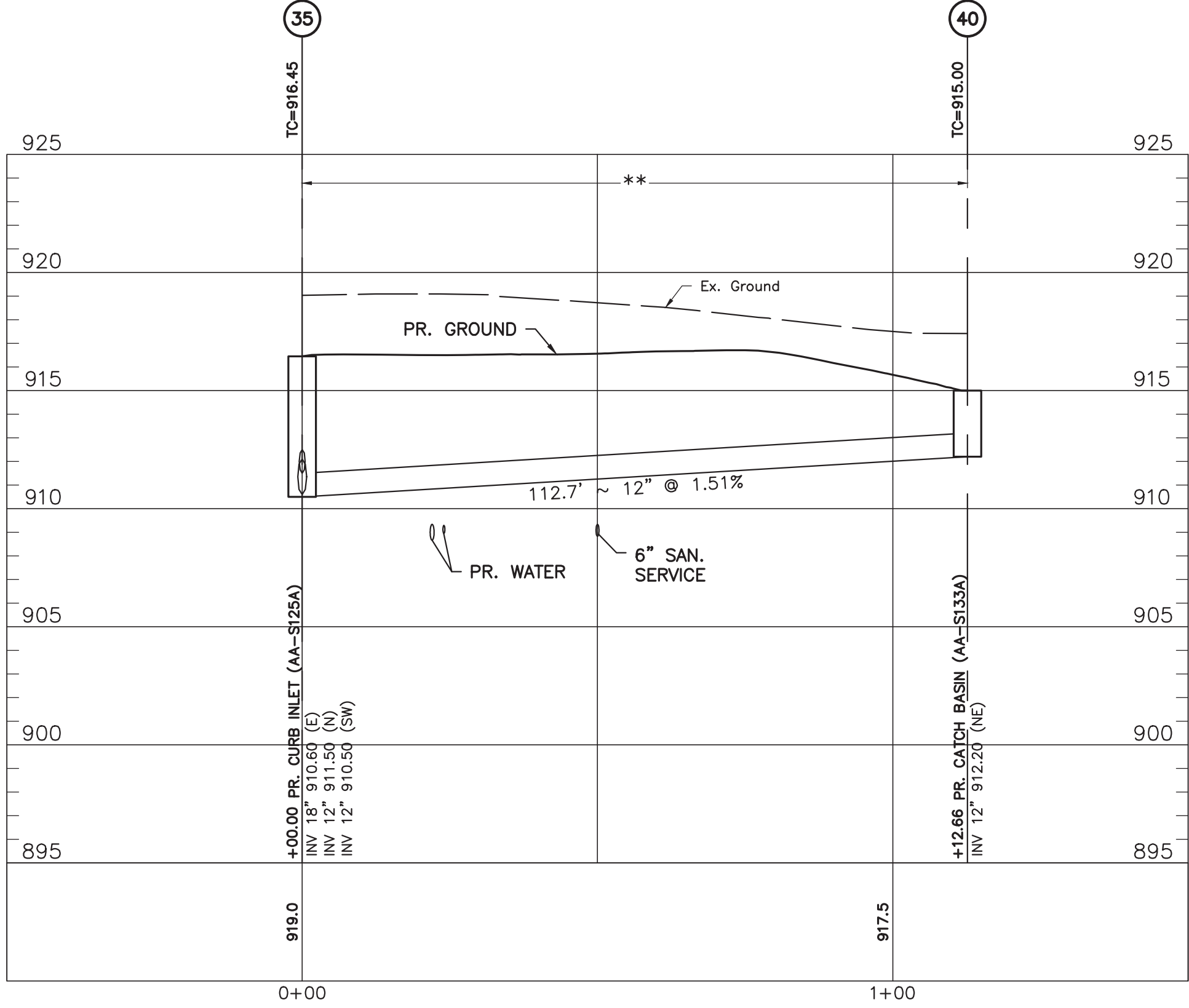
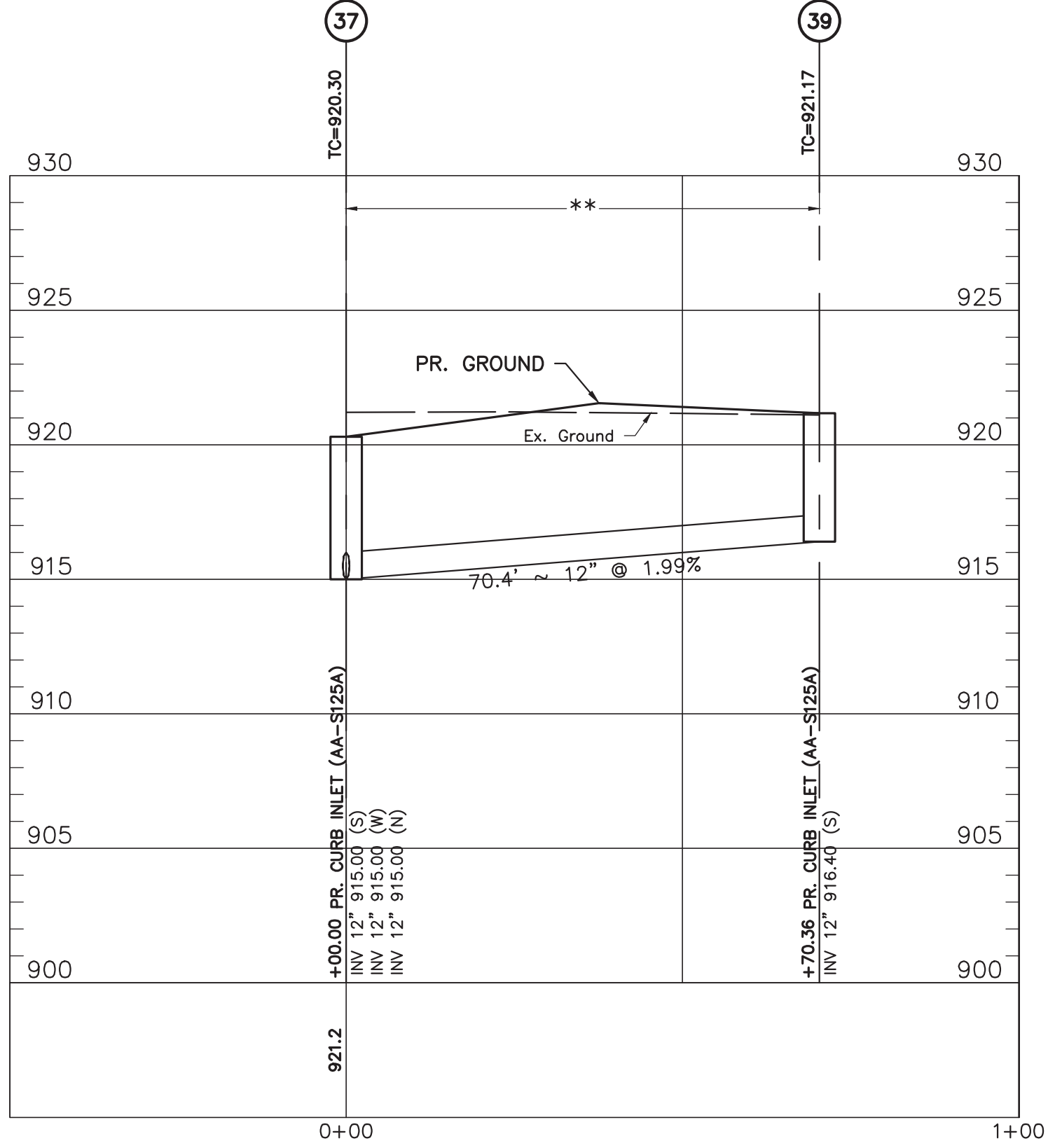
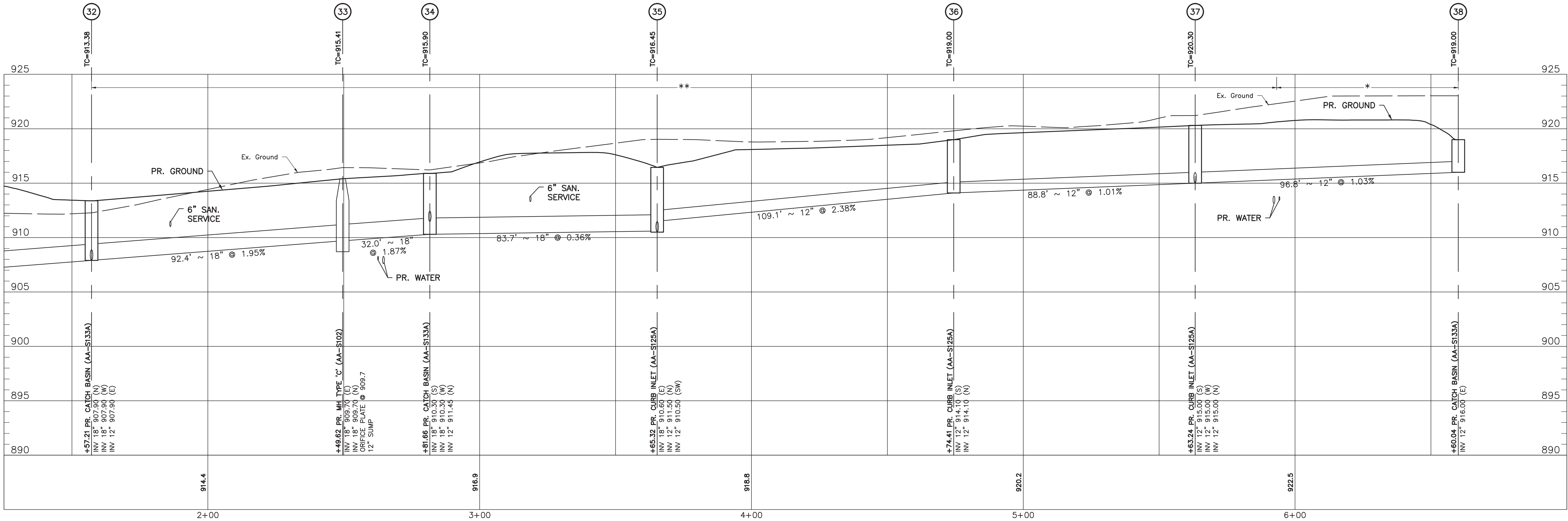
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
HAWTHORNE COMMONS
TREPLUS COMMUNITIES

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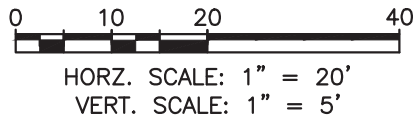
STORM SEWER PROFILES

SCALE: 1" = 20'	
SHEET NO. 12	OF 18

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NOTE:
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REVISIONS	DATE	BY	CHK.



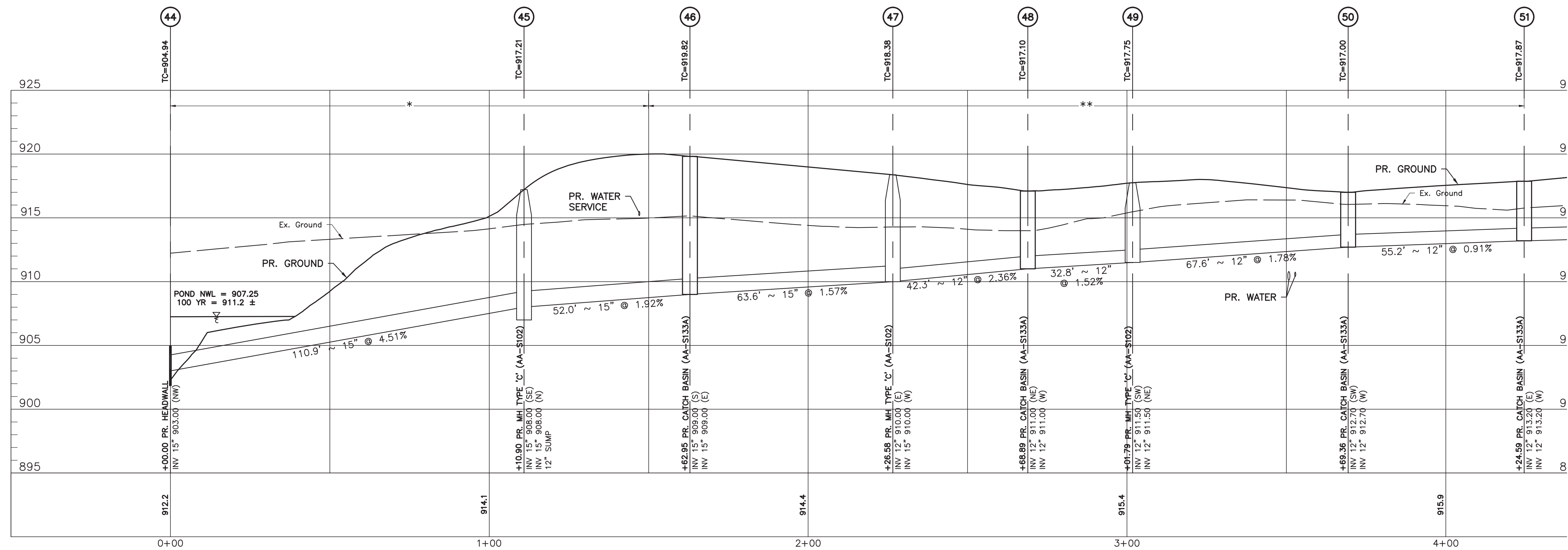
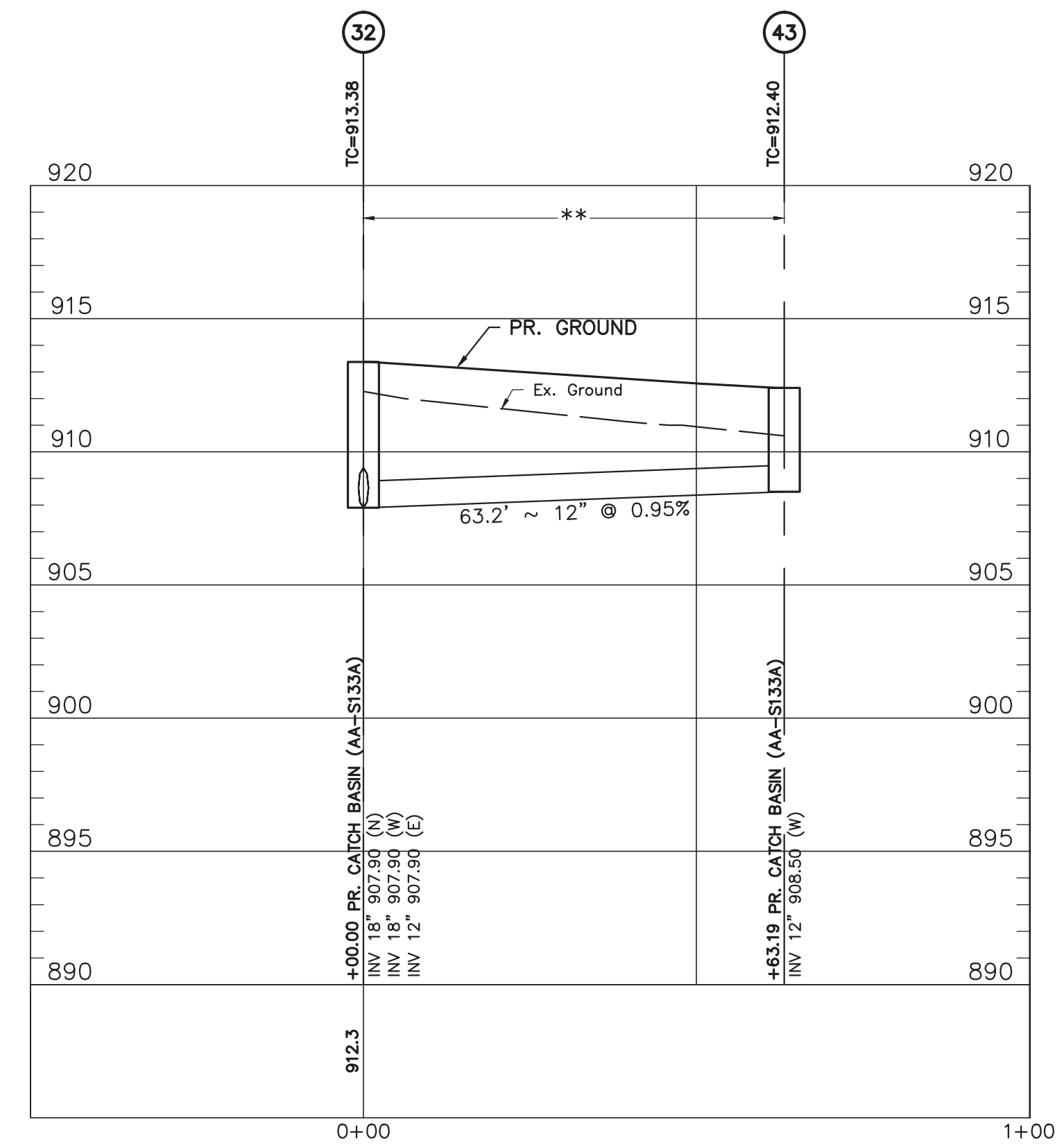
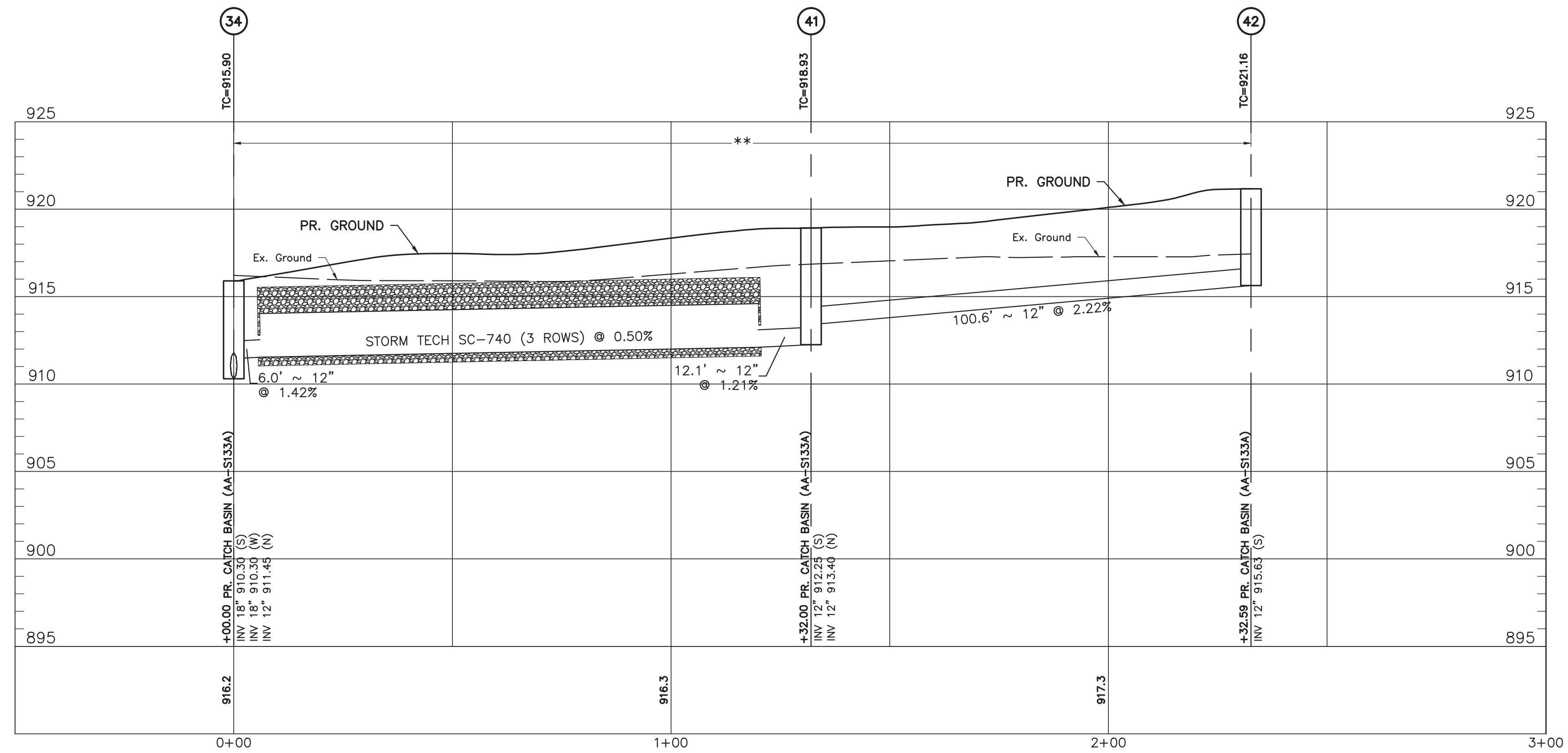
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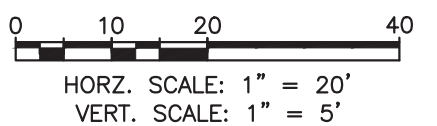
STORM SEWER PROFILES

SCALE: 1" = 20'	
SHEET NO. 13	OF 18



NOTE:

- * ITEM 911 COMPACTED BACKFILL
- ** ITEM 912 COMPACTED BACKFILL
- *** BACKFILL STORM (PERFORATED) WITH CLEAN #57 CRUSHED LIMESTONE TO BOTTOM OF PERVIOUS PAVEMENT SECTION/BIO-RETENTION SECTION.



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HAWTHORNE COMMONS
TREPLUS COMMUNITIES

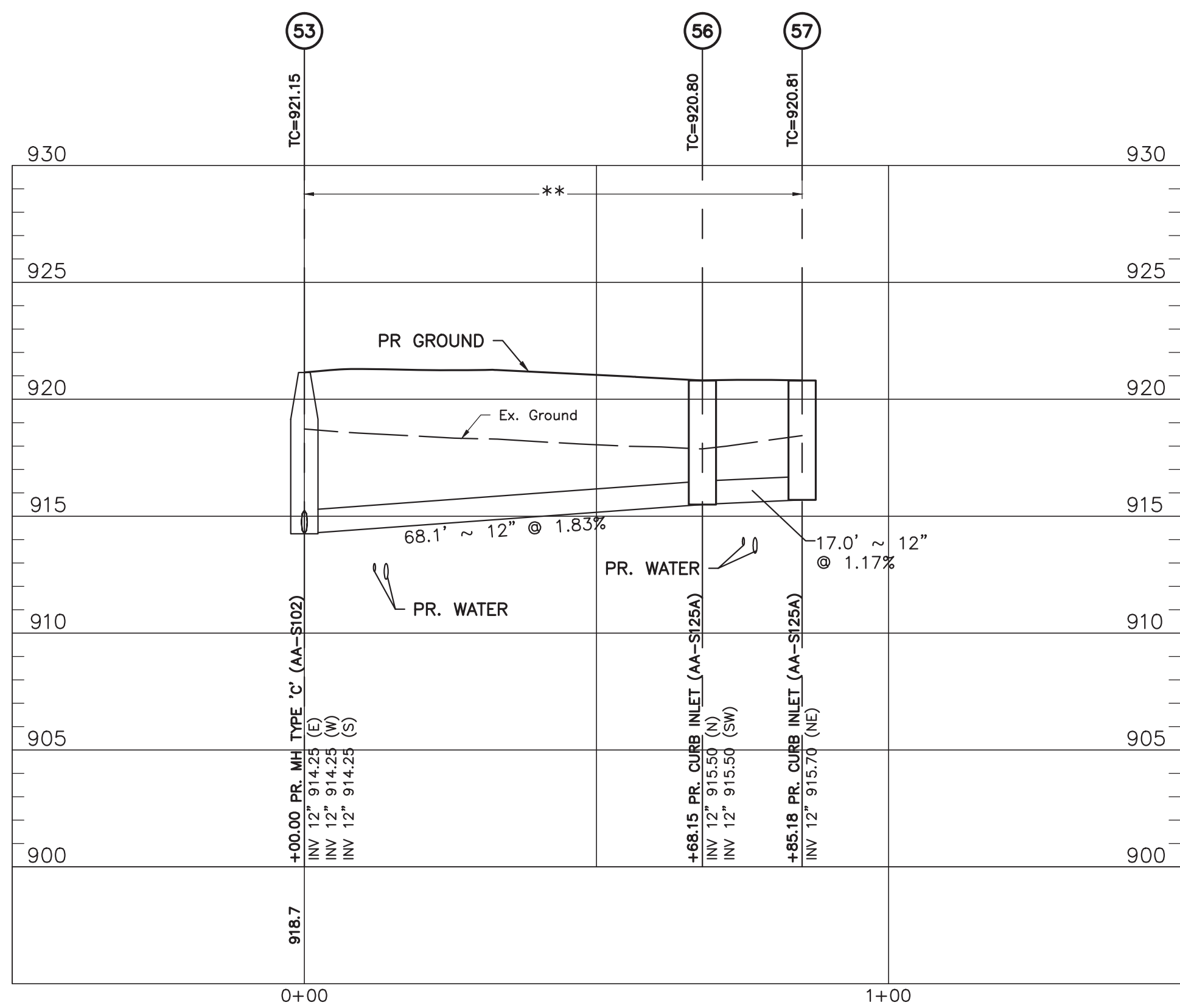
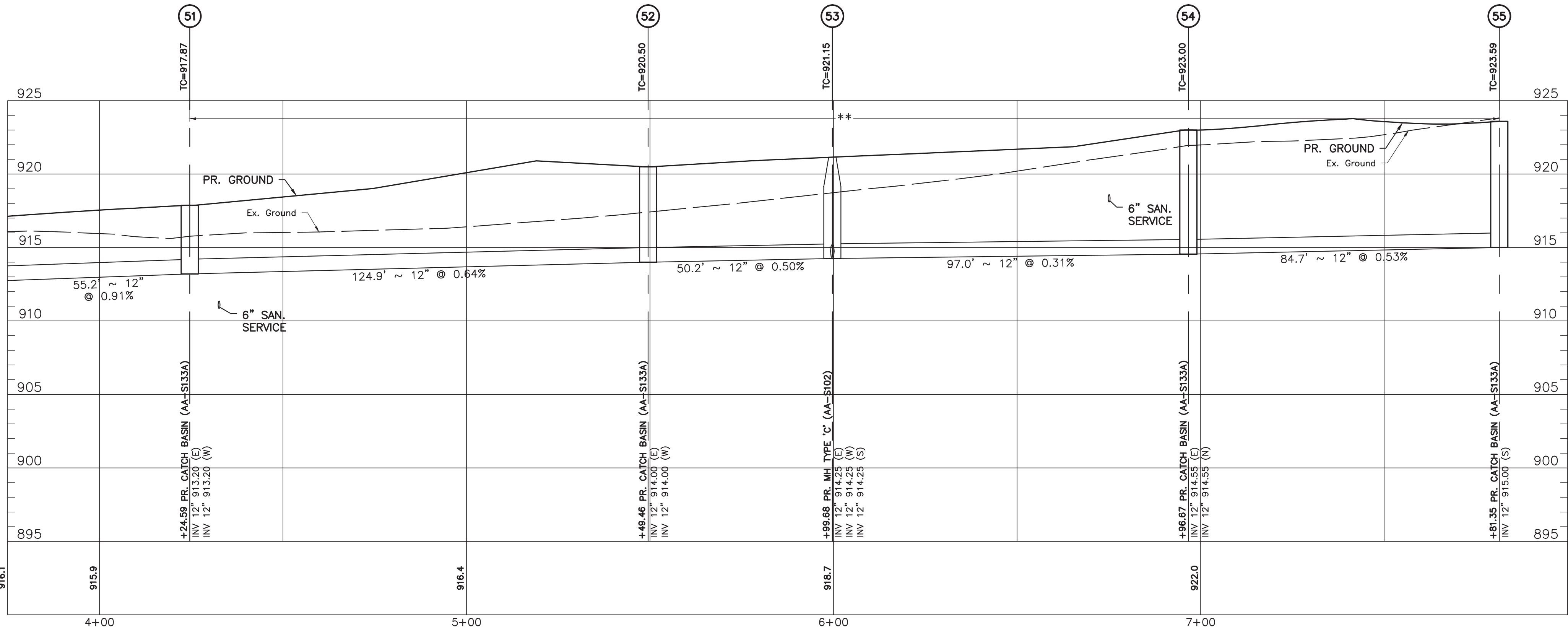
JOB NO.	1087.001
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DATE:	01/14/16

STORM SEWER PROFILES

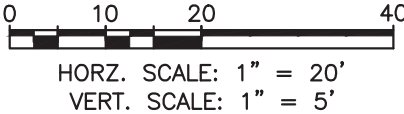
SCALE:
 $1'' = 20'$

SHEET NO.	OF
14	18

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NOTE:
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STORM SEWER PROFILES

SCALE: 1" = 20'	
SHEET NO. 15	OF 18

LEGEND

- A Ex. Fire Hydrant
- Ex. Pull Box
- Ex. Tree
- Ex. Catch Basin
- Ex. Sanitary Manhole
- Ex. Storm Manhole
- Ex. Storm Curb Inlet
- Ex. Utility Pole
- Ex. Light Pole
- Ex. Gas Service Valve
- Ex. Underground Tele. Pedestal
- Ex. Water Service Valve
- Ex. Sign
- Ex. Fence
- Ex. Water Line
- Ex. Water Service
- Ex. Underground Telephone
- Ex. Gas
- Ex. Storm
- Ex. Sanitary
- Ex. Underground Electric
- Ex. Overhead Electric
- Do Not Disturb
- Ex. Easement
- Corp. Line

NOTE: (TBR) Shall mean to be removed.

STORM/SANITARY SEWER SCHEDULE

STORM

- Headwall
Ex. 36" Inv. E = 911.32
- Rim = 920.65
Ex. 36" Inv. W = 911.55
Ex. 30" Inv. N = 912.55
- Rim = 918.79
Ex. 30" Inv. S = 912.88
Ex. 30" Inv. NE = 912.89
- Rim = 918.63
Ex. 30" Inv. SW = 913.33
Ex. 30" Inv. E = 913.33
- Rim = 921.00
Ex. 30" Inv. SW = 909.00
Ex. 30" Inv. SE = 909.00
- Rim = 919.12
Ex. 30" Inv. NW = 908.79
Ex. 24" Inv. SE = 908.82
- Rim = 918.33
Ex. 24" Inv. NW = 908.43
Ex. 36" Inv. SE = 908.43
- Rim = 904.16
Ex. 8" Inv. S = 902.26
- Rim = 902.23
Ex. 8" Inv. S = 899.08
- Rim = 901.29
Ex. 12" Inv. S = 899.19
Ex. 6" Inv. N = 899.19

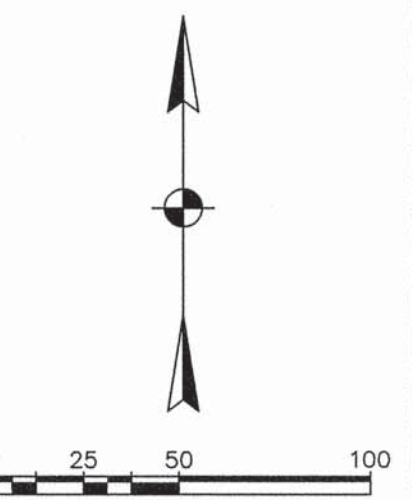
SANITARY

- Rim = 918.71
Ex. 10" Inv. NE = 899.11
- Rim = 920.35
Ex. 12" Inv. SW = 898.74
Ex. 12" Inv. NW = 899.34
Ex. 12" Inv. SE = 898.70

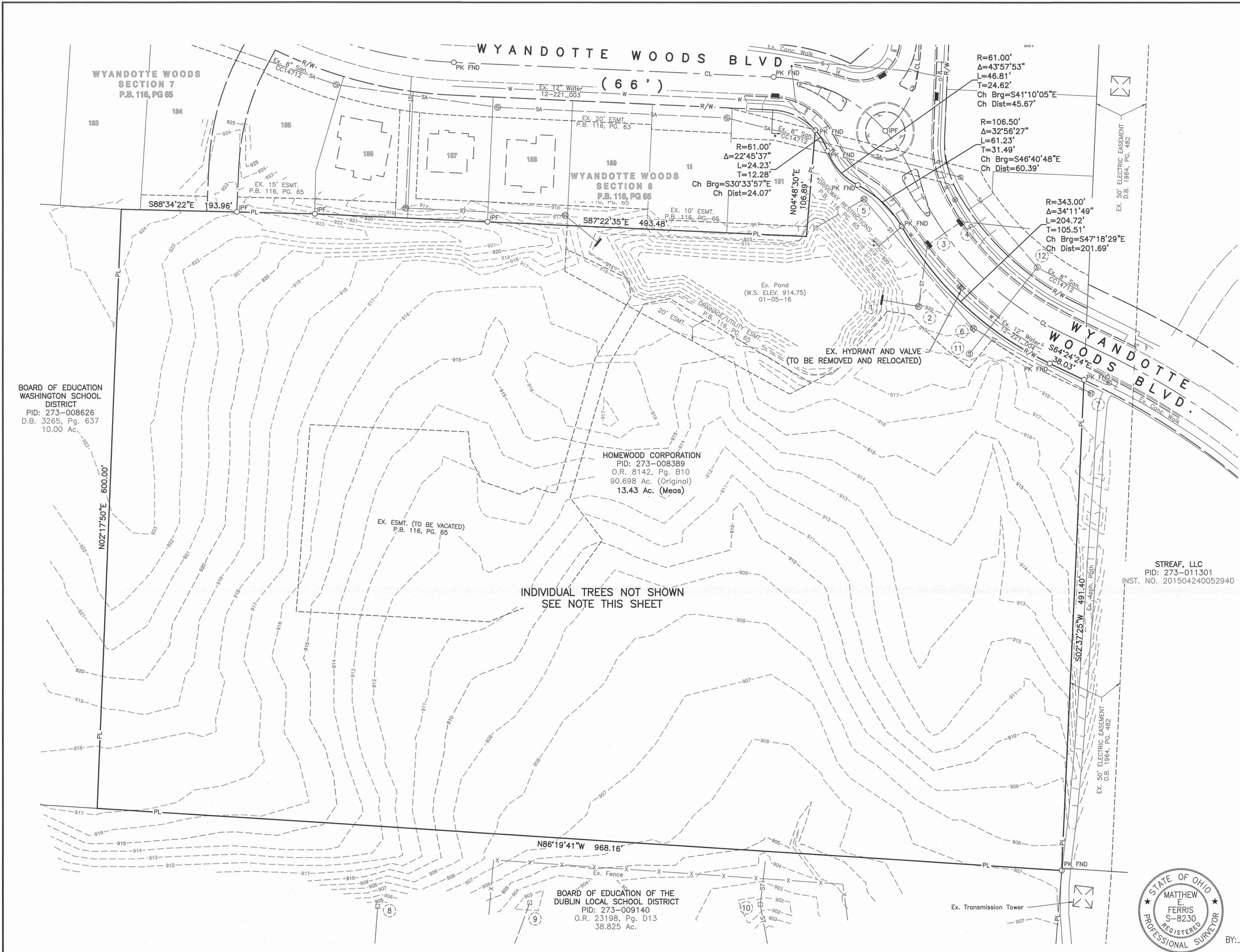
NOTE:
SEE TREE PRESERVATION PLAN AND TREE SURVEY ON EMI
DRAWINGS FOR DETAILS PERTAINING TO EXISTING TREES.



BY: *Matthew E. Ferris* 01.14.16
Matthew E. Ferris, P.E., P.S.
Registered Surveyor No. 8230



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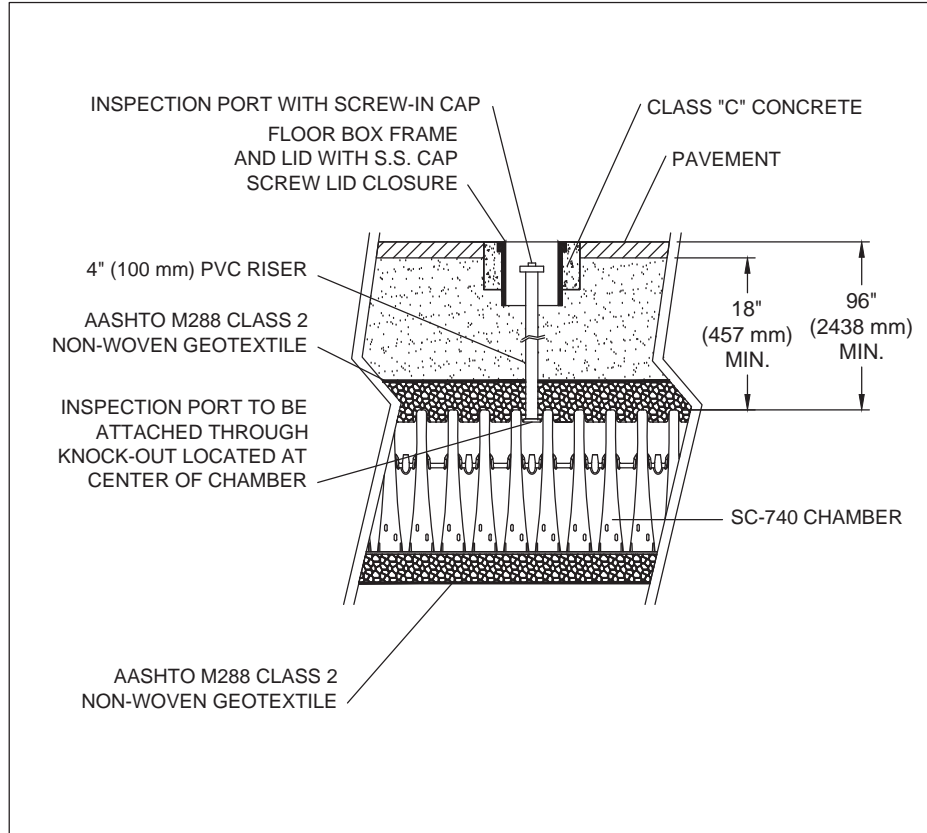
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
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EXISTING CONDITIONS

SCALE:
1" = 50'

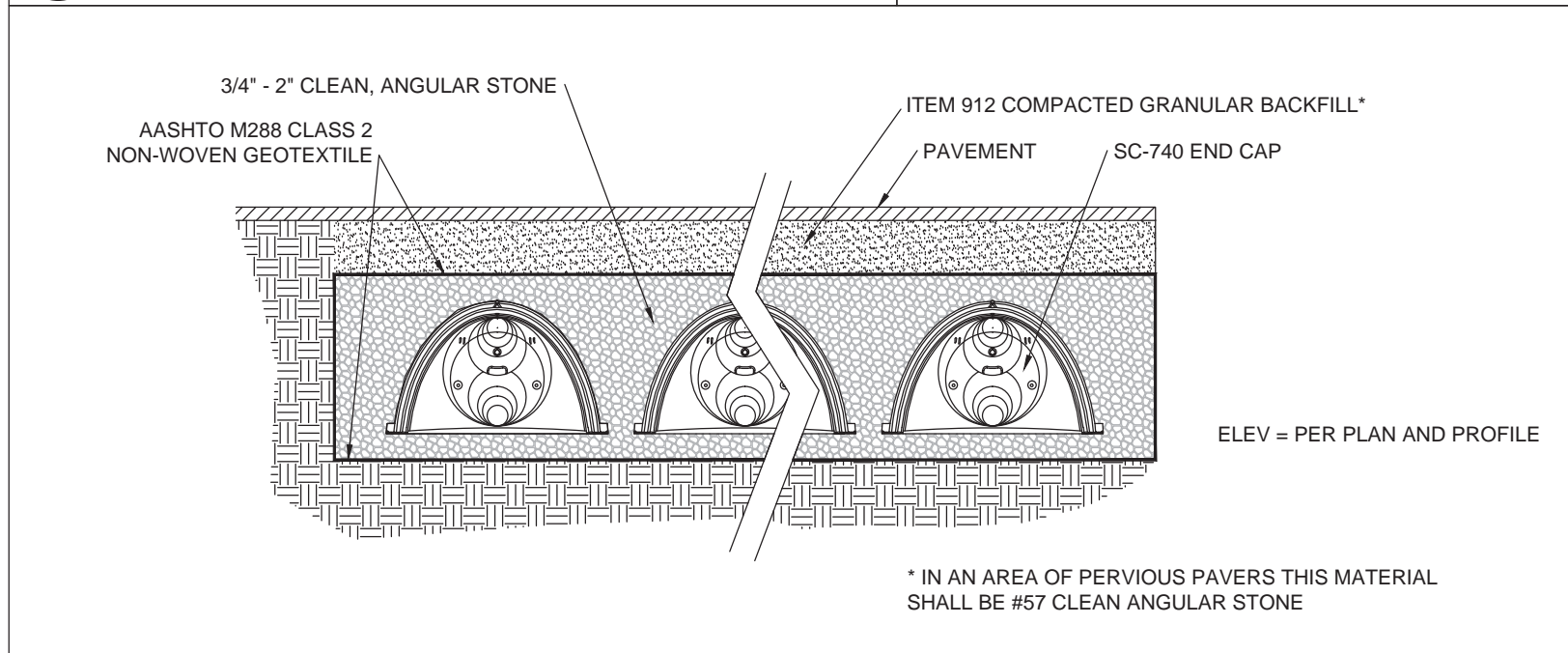
SHEET NO. 16	OF 18
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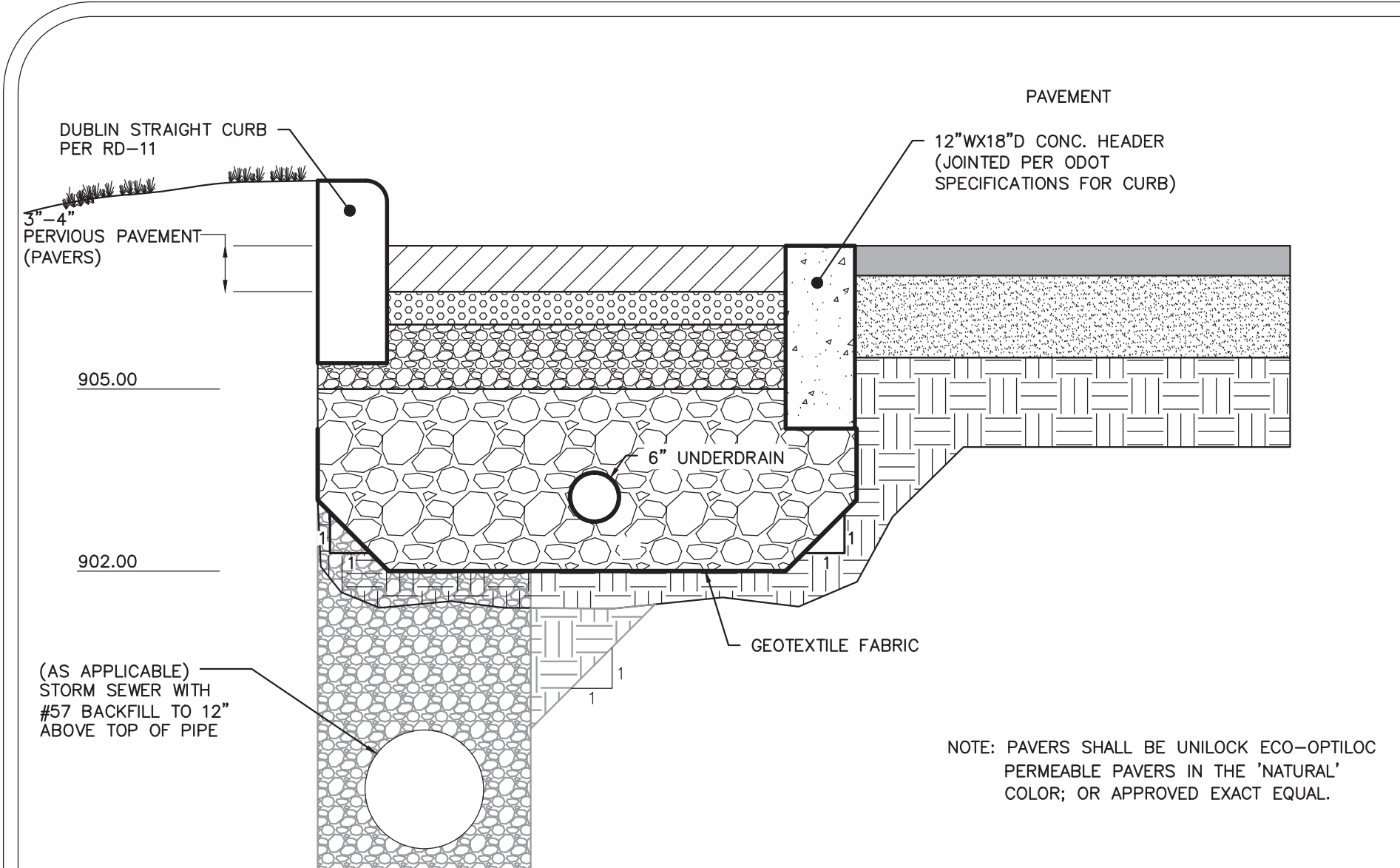
- 1. ALL DESIGN SPECIFICATIONS FOR STORMTECH CHAMBERS SHALL BE IN ACCORDANCE WITH THE STORMTECH DESIGN MANUAL
- 2. THE INSTALLATION OF STORMTECH CHAMBERS SHALL BE IN ACCORDANCE WITH THE LATEST STORMTECH INSTALLATION INSTRUCTIONS
- 3. THE CONTRACTOR IS ADVISED TO REVIEW AND UNDERSTAND THE INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLTION. CALL 1-888-892-2694 OR VISIT WWW.STORMTECH.COM TO RECIEVE A COPY OF THE LATEST STORMTECH INSTALLTION INSTRUCTIONS
- 4. CHAMBERS SHALL MEET THE DESIGN REQUIREMENTS AND LOAD FACTORS SPECIFIED IN SECTION 12.12 OF THE LATEST EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

2 INSPECTION PORT

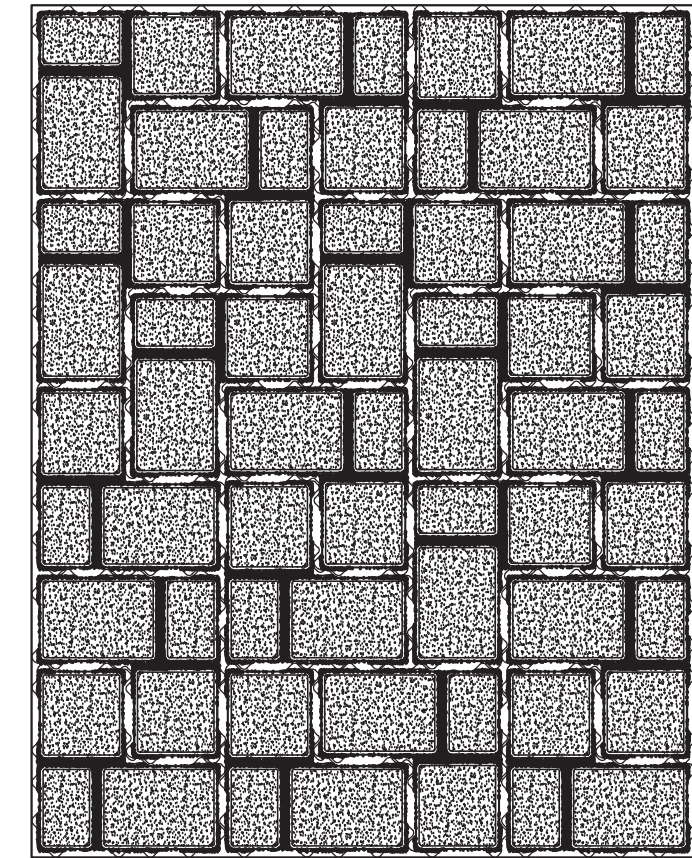
STORMTECH NOTES



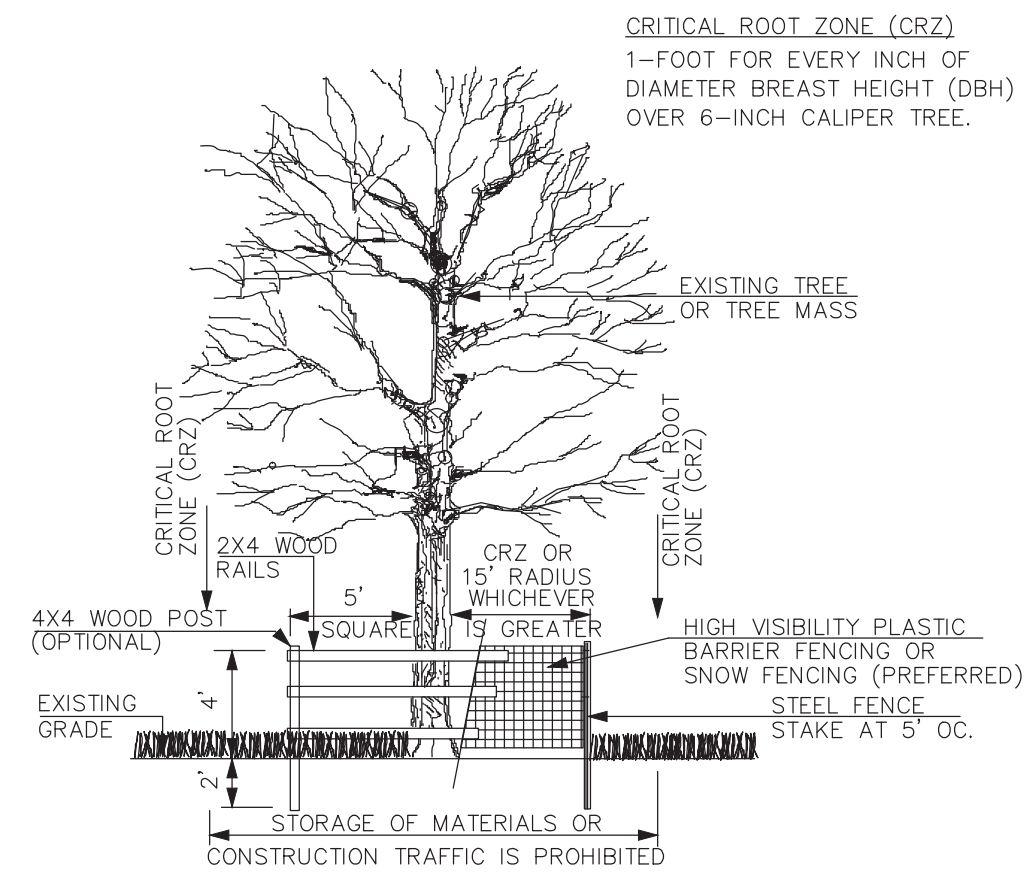
STANDARD SC-740 CROSS SECTION



PERVIOUS PAVEMENT PARKING SPACE (TYPICAL SECTION)
N.T.S.

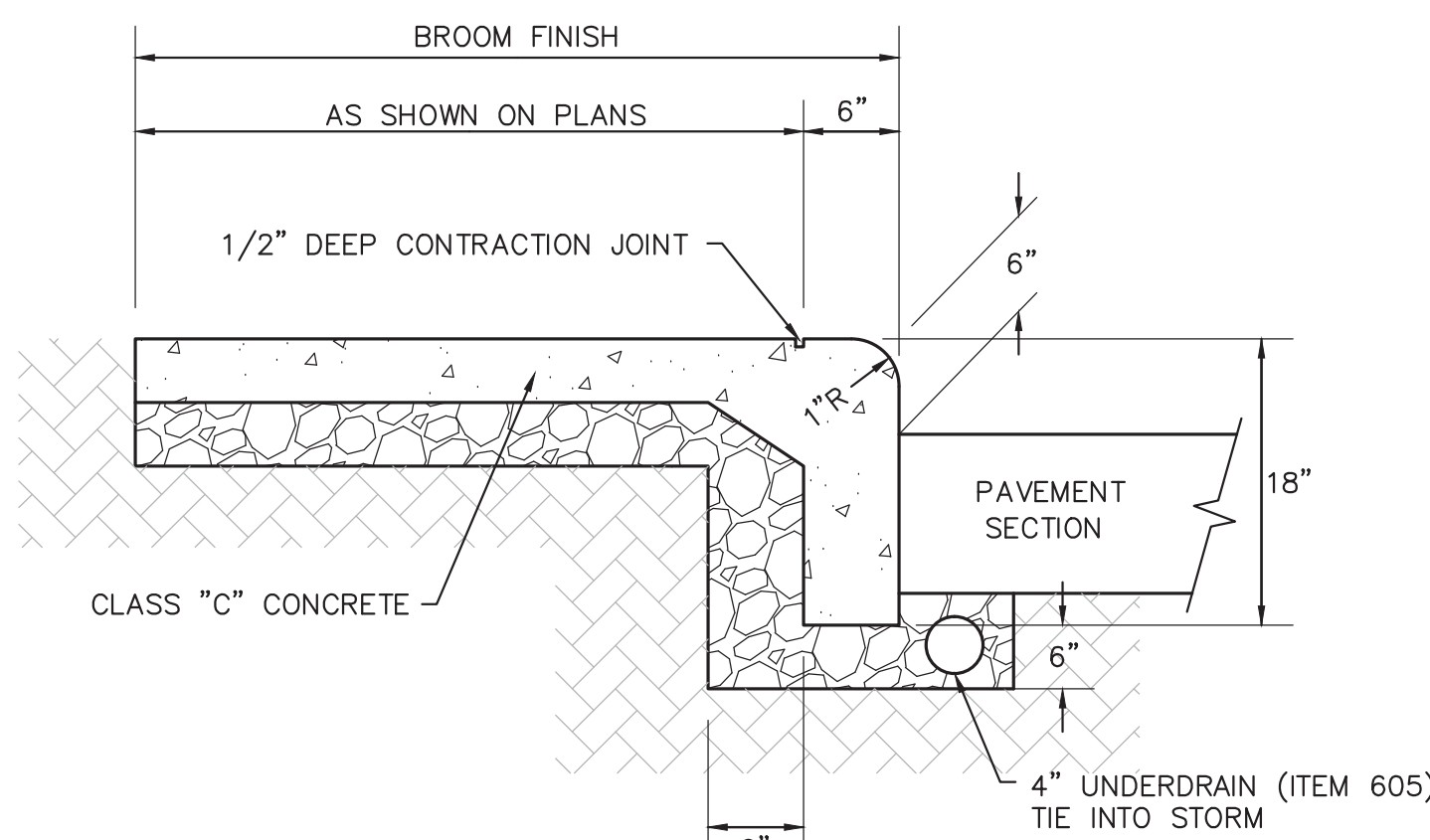


PERVIOUS PAVEMENT PLAN VIEW

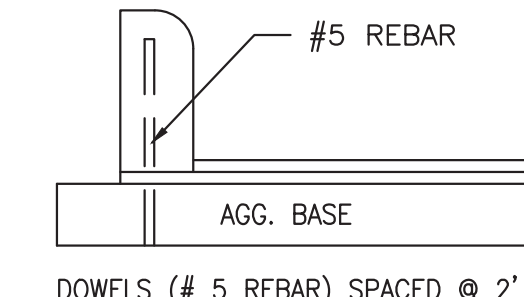


- NOTES:
- 1. INSPECTION OF INSTALLATION IS REQUIRED. CALL (614) 410-4701.
 - 2. THE CITY IS TO BE CONTACTED IF FENCE LOCATION NEEDS TO BE ADJUSTED OR PRIOR TO ANY ENCROACHMENT OF PRESERVATION AREA.

Tree Protection Detail
N.T.S.

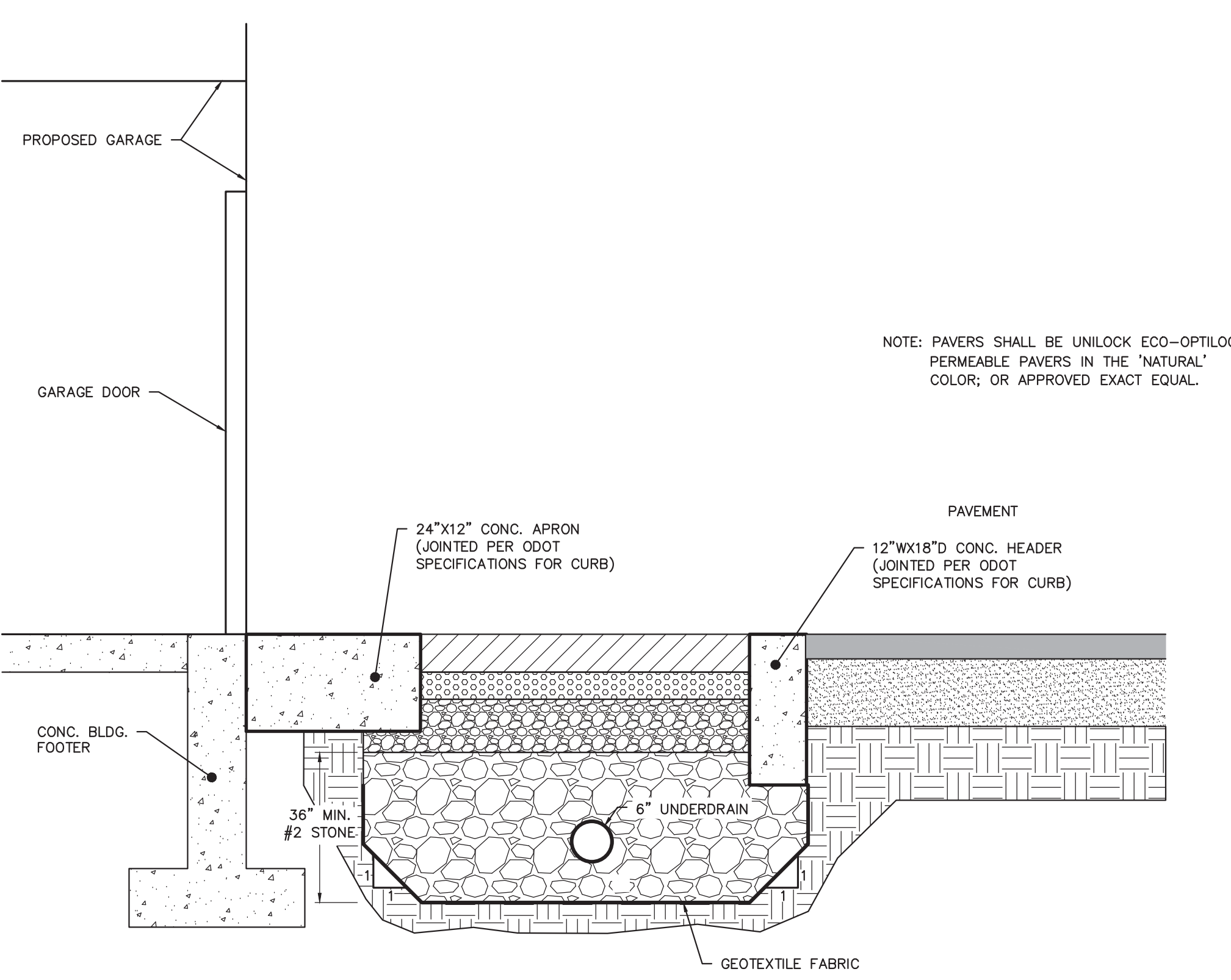


STANDARD COMBINED CURB AND WALK
N.T.S.

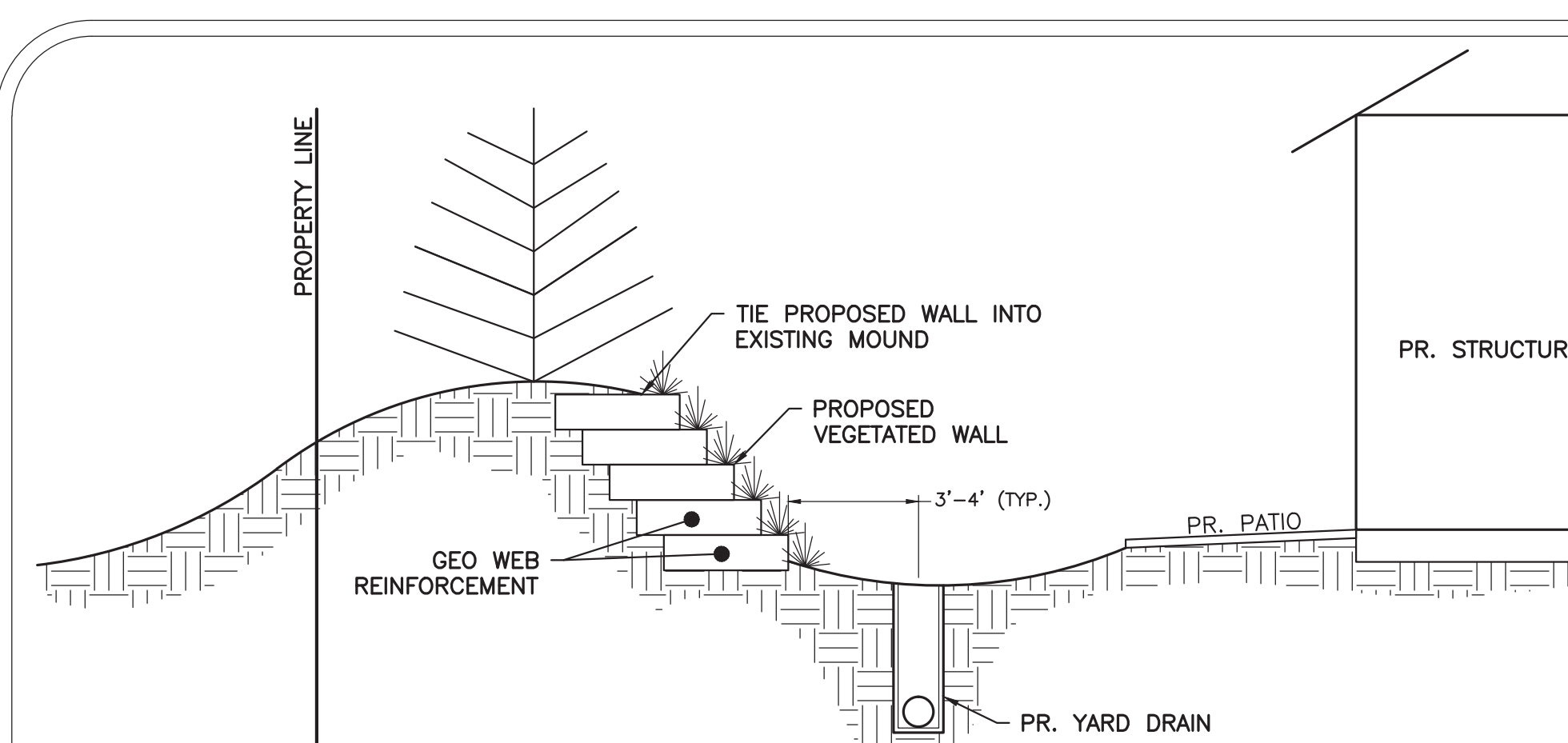


6" EXTRUDED CURB DETAIL
N.T.S.

- STANDARD DUTY ASPHALT PAVEMENT BUILD-UP:
- 1.25" ITEM 448 SURFACE COURSE
 - TACK COAT @ 0.08 GAL/SY - ITEM 407
 - 1.75" ITEM 448 INTERMEDIATE COURSE
 - 8" ITEM 304 AGGREGATE BASE COURSE
 - COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
- HEAVY DUTY ASPHALT PAVEMENT BUILD-UP:
- 1.50" ITEM 448 SURFACE COURSE
 - TACK COAT @ 0.08 GAL/SY - ITEM 407
 - 2.50" ITEM 448 INTERMEDIATE COURSE
 - 10" ITEM 304 AGGREGATE BASE COURSE
 - COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
- CONCRETE LOADING/DUMPSTER PAVEMENT BUILD-UP:
- 8" ITEM 452 NON-REINFORCED PORTLAND CEMENT CONCRETE (INCLUDE POLY FIBER IN MIX DESIGN PER ASTM C-1116 AT 1.5LB/CY)
 - 4" ITEM 304 AGGREGATE BASE COURSE
 - COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
- CONCRETE WALK:
- 4" ITEM 499 CLASS "C" PORTLAND CEMENT CONCRETE
 - 4" ITEM 304 AGGREGATE BASE COURSE
- CONCRETE DRIVE:
- 8" ITEM 499 CLASS "C" PORTLAND CEMENT CONCRETE
 - 4" ITEM 304 AGGREGATE BASE COURSE



PERVIOUS PAVER TO GARAGE TRANSITION DETAIL
N.T.S.



VEGETATED LANDSCAPE WALL DETAIL
N.T.S.

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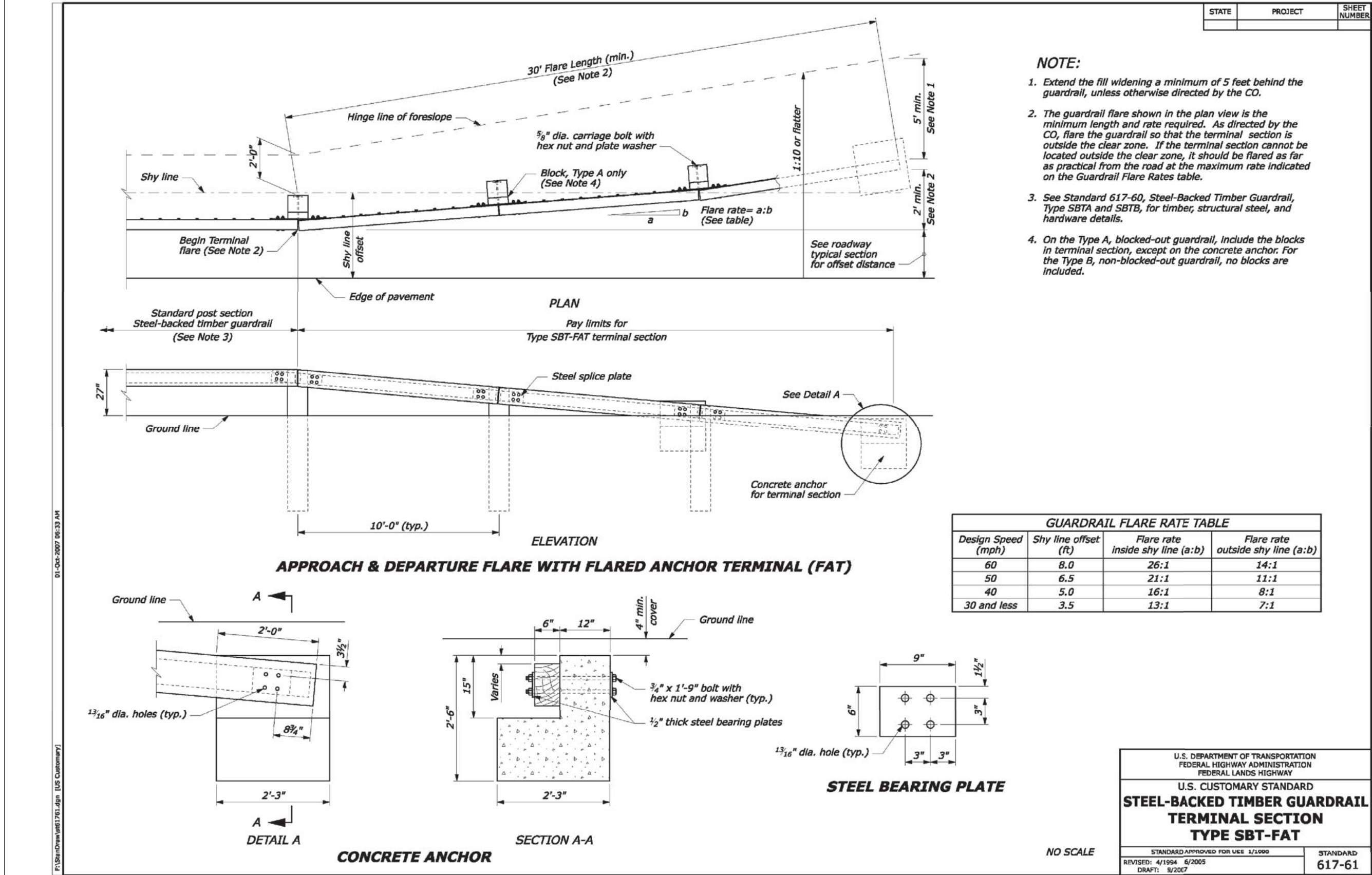
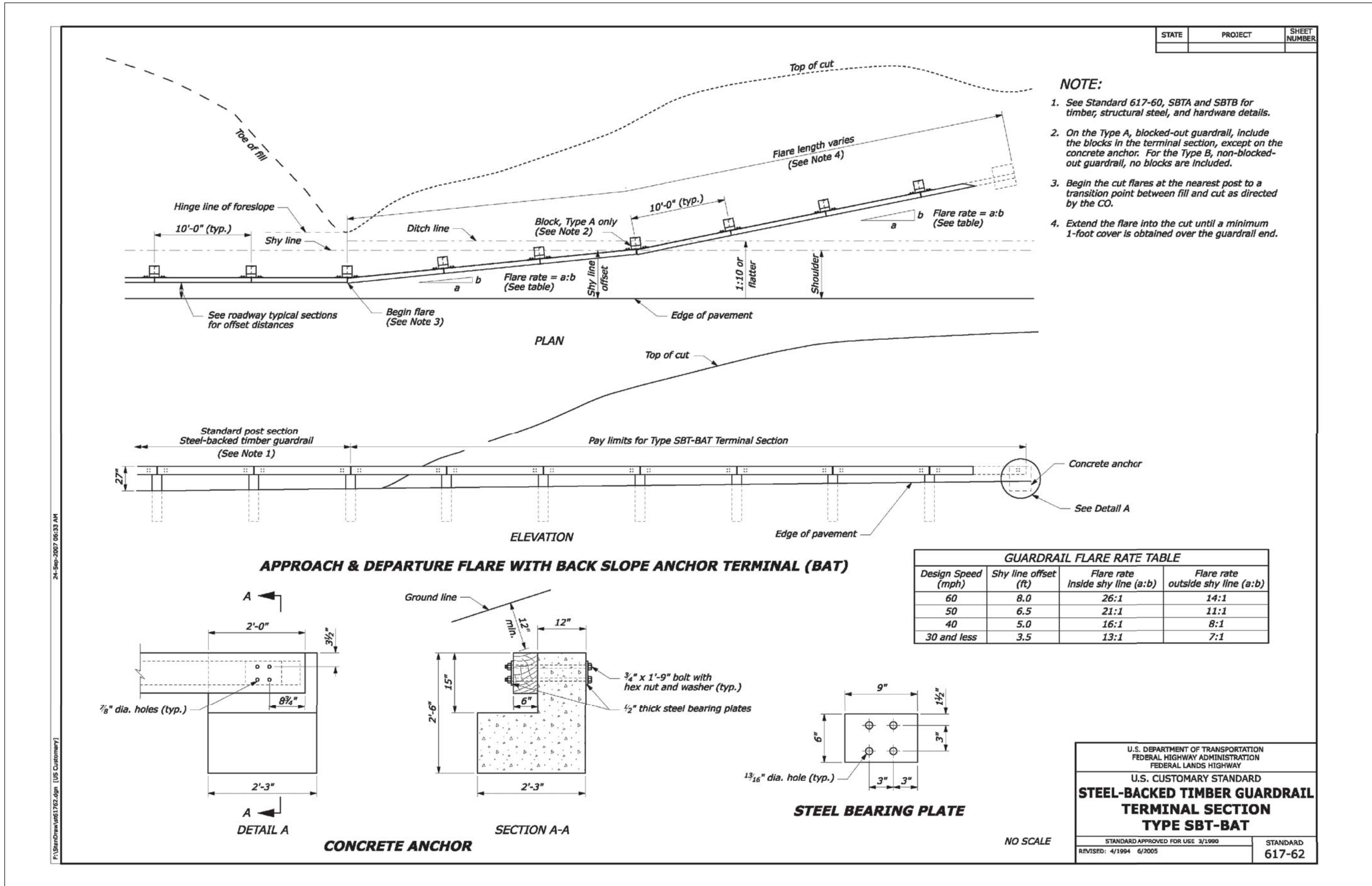
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
HAWTHORNE COMMONS
TREPLUS COMMUNITIES

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DETAILS

SHEET NO. 17		OF 18	
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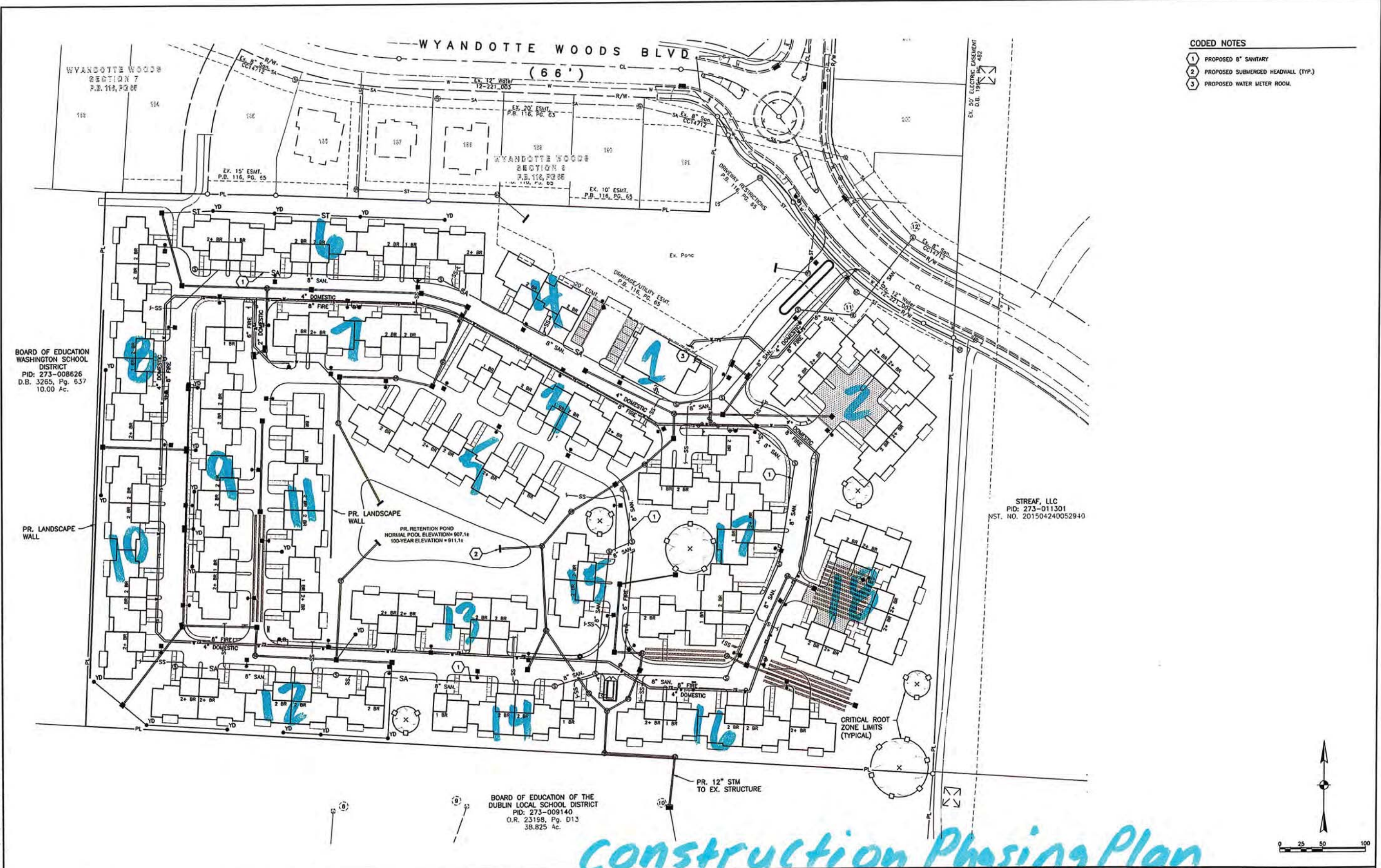
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DETAILS

SHEET NO. 18		OF 18	
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- CODED NOTES**
- 1 PROPOSED 8" SANITARY
 - 2 PROPOSED SUBMERGED HEADWALL (TYP.)
 - 3 PROPOSED WATER METER ROOM

<div style="display: flex; justify-content: space-between;"><div>E. P. FERRIS AND ASSOCIATES INC. <small>Consulting Civil Engineers and Surveyors</small></div><div>CONTACT: 880 KING AVENUE COLUMBUS, OHIO 43212 (614) 299-2999 (614) 299-2992 (Fax) www.EPFERRIS.com</div></div>				<div style="text-align: center;">CITY OF DUBLIN, FRANKLIN COUNTY, OHIO HAWTHORNE COMMONS TREPLUS COMMUNITIES</div>		<div style="display: flex; justify-content: space-between;"><div><small>JOB NO.</small> 1087.001 <small>DESIGNED BY:</small> MJO <small>DRAWN BY:</small> CLP <small>CHECKED BY:</small> SWG <small>APPROVED BY:</small> <small>DATE:</small> 11/23/15</div><div><small>SCALE:</small> 1" = 50'</div></div>	
						<div style="display: flex; justify-content: space-between;"><div><small>SHEET NO.</small> 4</div><div><small>OF</small> 11</div></div>	