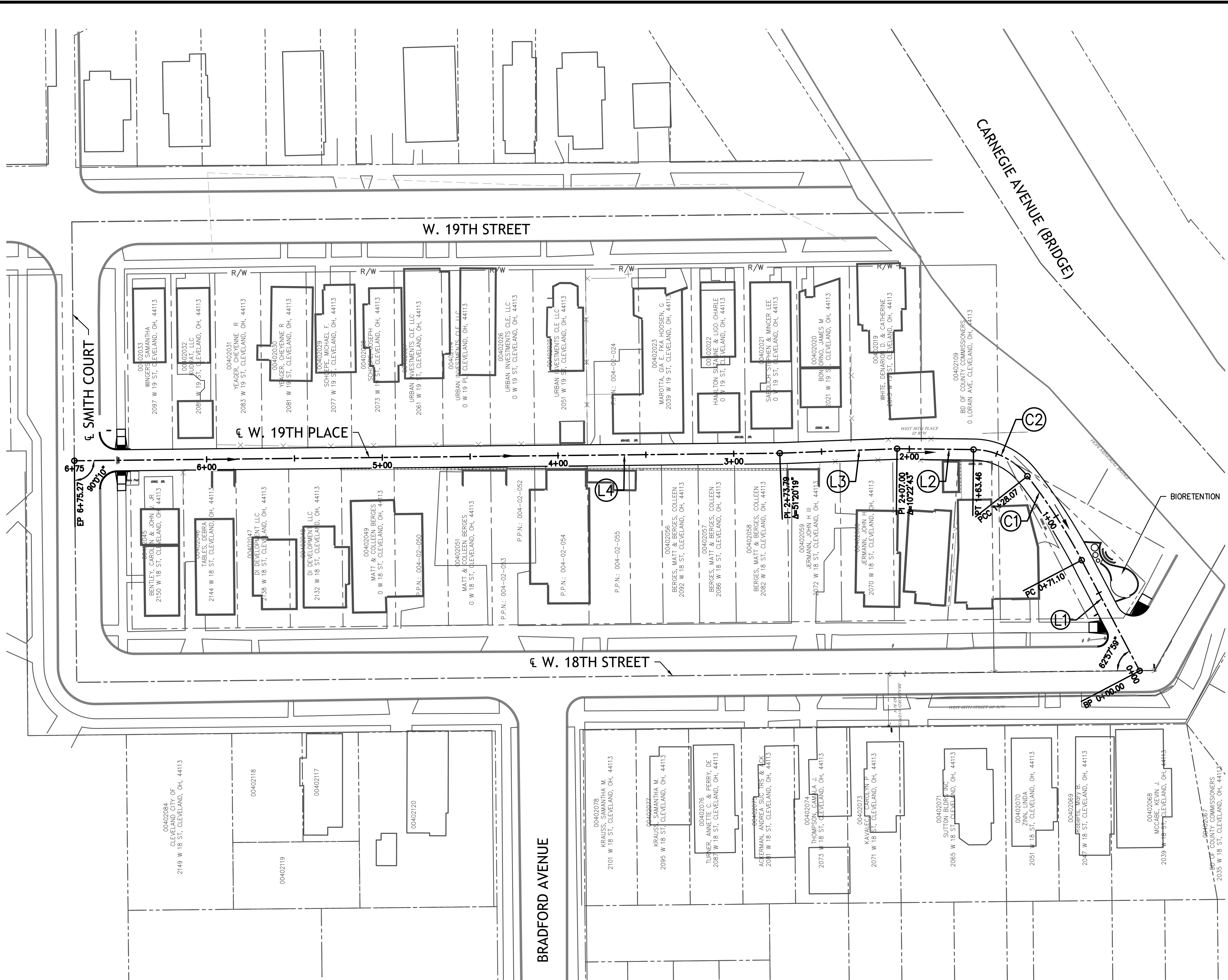


TREMONT WEST DEVELOPMENT CORPORATION 14-00325-010 W. 19TH PL GREEN ALLEY DESIGN SERVICES CAD/2504W 14-00325-010 - 3/5/2017 3:22:41 PM

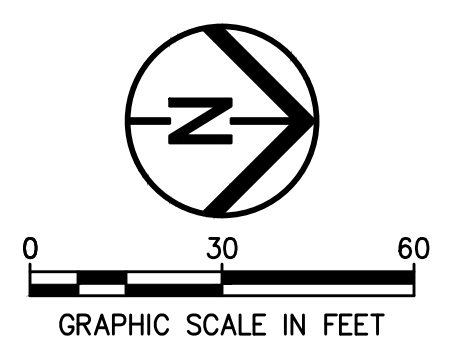


LEGEND
 - - - - CONSTRUCTION LIMITS

NOT FOR CONSTRUCTION

LINE TABLE					
MARK	DIRECTION	LENGTH	START POINT	END POINT	
L1	S62° 19' 59"W	71.10'	N 664160.42, E 2188554.58	N 664127.40, E 2188491.61	
L2	S0° 36' 57"W	43.54'	N 664065.85, E 2188428.66	N 664022.32, E 2188428.19	
L3	S2° 10' 47"E	66.79'	N 664022.32, E 2188428.19	N 663955.58, E 2188430.73	
L4	S0° 36' 55"E	401.48'	N 663955.58, E 2188430.73	N 663554.12, E 2188435.05	

CURVE TABLE					
MARK	RADIUS	LENGTH	CHORD BRG	START POINT	END POINT
C1	314.50'	56.97'	S57° 08' 38"W	N 664127.40, E 2188491.61	N 664096.54, E 2188443.82
C2	39.50'	35.39'	S26° 17' 07"W	N 664096.54, E 2188443.82	N 664065.85, E 2188428.66



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 806 LITERARY ROAD 2ND FLOOR, SUITE 206 CLEVELAND, OH 44113



WEST 19TH PLACE
 TREMONT WEST DEVELOPMENT CORPORATION



PERMIT REVIEW

DATE: _____

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.: 14-00325-010
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 CHECKED BY: KGH
 DATE ISSUED: 2016/08/01

SCHMATIC PLAN



WEST 19TH PLACE
TREMONT WEST DEVELOPMENT CORPORATION



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MAINTENANCE OF TRAFFIC PLAN

LEGEND
 - - - - - CONSTRUCTION LIMITS

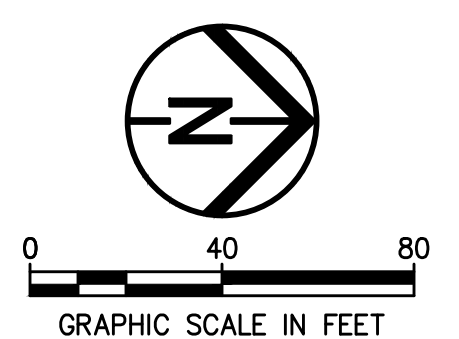


NOT FOR CONSTRUCTION

MAINTENANCE OF TRAFFIC NOTES:

- THIS WORK CONSISTS OF THE MAINTENANCE OF TRAFFIC AND THE PROTECTION OF THE TRAVELING PUBLIC APPROACHING THE CONSTRUCTION AREA AND WITHIN THE LIMITS OF CONSTRUCTION.
- A. FURNISH, ERECT, PLACE AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES AND MAINTAIN TRAFFIC DURING THE HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES IN ACCORDANCE WITH THE METHODS INDICATED ON THESE DRAWINGS AND:
 - A.A. THE SPECIAL PROVISIONS OF THE CONTRACT
 - A.B. ODOT CMS 2016 SPECIFICATIONS
 - A.C. CITY OF CLEVELAND
 - A.D. DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2012 EDITION AND ALL SUPPLEMENTS APPLICABLE TO THE WORK DATED TO THE DATE OF ADVERTISEMENT.
 - B. UNLESS OTHERWISE NOTED AND EXCEPT FOR REGULATORY SIGNS, (SERIES R), ALL SIGNS HAVE A NON-REFLECTORIZED BLACK LEGEND AND RETRO-REFLECTIVE ORANGE BACKGROUND.
 - C. MOUNTING OF ALL SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH ODOT CMS 2016 AND AS PER CITY OF CLEVELAND CODES.
 - D. REMOVE ALL EXISTING SIGNS AS REQUIRED TO ACCOMMODATE CONSTRUCTION OPERATIONS. REINSTALL THESE SIGNS AT THE COMPLETION OF THE PROJECT AND/OR AS DIRECTED BY THE ENGINEER.

- E. THIS TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR TRAFFIC CONTROL AS PER ODOT CMS 2016 AND CITY OF CLEVELAND CODES.
- F. NOTIFY CITY OF CLEVELAND TEN (10) DAYS IN ADVANCE OF DRIVEWAY RESTRICTIONS SO CITY OF CLEVELAND STAFF CAN NOTIFY PROPERTY OWNERS AFFECTED BY WORK. COORDINATE LOCATION OF ANY TRAFFIC CONTROL DEVICES LOCATED WITHIN THEIR DRIVEWAYS WITH CITY OF CLEVELAND.
- G. PROVIDE SUFFICIENT NUMBER OF PROPERLY ATTURED FLAGGERS (VEST, HARD HAT, ETC) TO ADEQUATELY CONTROL TRAFFIC FLOW THROUGH THE WORK ZONE AS REQUIRED BY THE CITY OF CLEVELAND, WHICH INCLUDES ANY INTERSECTING STREETS IN THE WORK ZONE AND AS DIRECTED.
- H. LIMIT ANY LANE CLOSURE TO THE LENGTH NECESSARY TO SAFELY PERFORM THE REQUIRED WORK. AT NO TIME SHALL COMPLETE STREET CLOSURE BE INSTITUTED.
- I. AT THE END OF EACH WORKDAY AND WHENEVER PRACTICAL DURING THE WORKDAY, EQUIPMENT, VEHICLES AND MATERIALS SHALL BE STORED A MINIMUM OF 10 FEET FROM THE EDGE OF THE NEAREST OPEN TRAVEL LANE OR THEY SHALL BE ADEQUATELY STORED IN THE STAGING AREA. IF EQUIPMENT, VEHICLES AND MATERIALS CANNOT BE STORED AS DESCRIBED ABOVE, OR IF THESE ITEMS ARE PLACED FOR USE ON OR NEAR THE ROADWAY WITHIN THE WORK ZONE, BARRICADED, DRUMS OR OTHER PROTECTIVE DEVICES SHALL BE PLACED AROUND THE EQUIPMENT, VEHICLES AND STORAGE SITE TO WARN AND PROTECT THE TRAVELING PUBLIC.
- J. DO NOT ALLOW EMPLOYEES TO PARK THEIR PERSONAL VEHICLES ON ANY TRAVEL LANE, SHOULDER, OR SEEDED AREA ALONG THE ROADWAY.
- K. IMMEDIATELY UPON COMPLETION OF THE WORK, REMOVE THE MAINTENANCE OF TRAFFIC DEVICES.
- L. ALL WORKERS SHALL WEAR THE YELLOW/GREEN ANSI 11 VESTS.
- M. NOTIFY THE OWNER TEN (10) DAYS IN ADVANCE OF ANY SIGNAGE INTENDED TO BE PLACED.
- N. MAINTAIN A MINIMUM OF TWO 10-FOOT TRAVEL LANES ON ALL STREETS AT ALL TIMES. EXCEPT THAT TWO 8-FOOT LANES MAY BE MAINTAINED IF ONGOING CONSTRUCTION OPERATIONS REQUIRE IT. A SINGLE 11-FOOT LANE MAY BE MAINTAINED USING FLAGGERS IN ACCORDANCE WITH ODOT CMS 2013 AND CITY OF CLEVELAND CODE.
- O. NOTIFY CITY OF CLEVELAND PRIOR TO CONSTRUCTION. CITY OF CLEVELAND TO PROVIDE CONSTRUCTION/PERMIT APPROVAL OF ALL WORK.

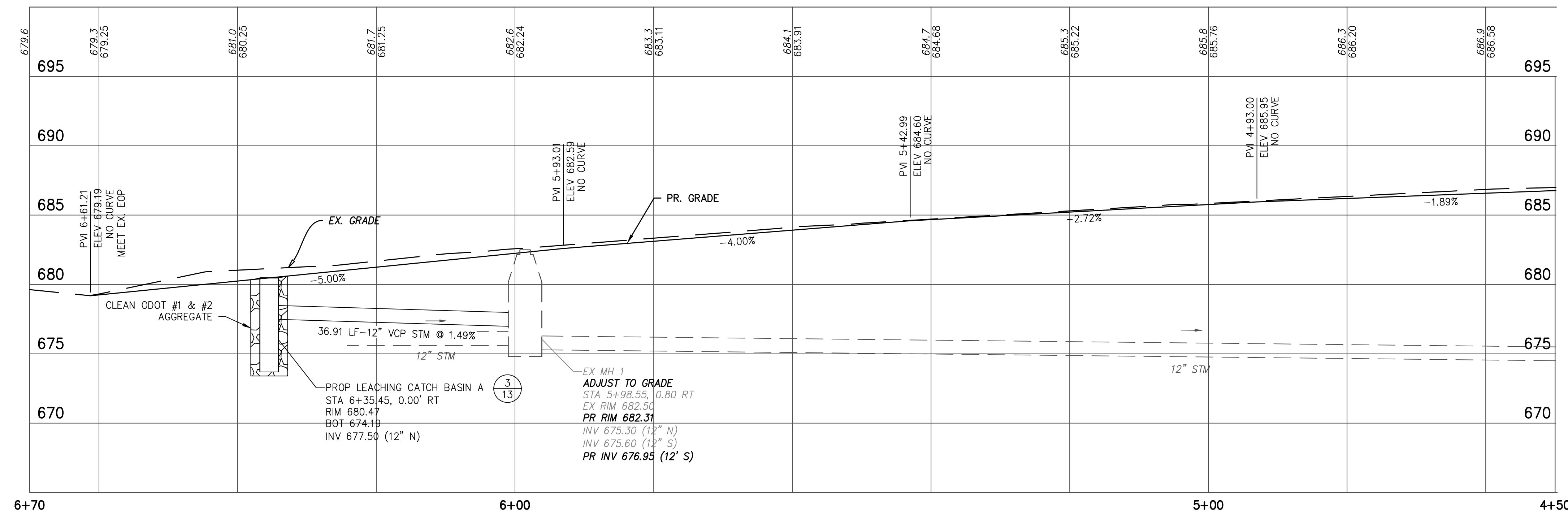
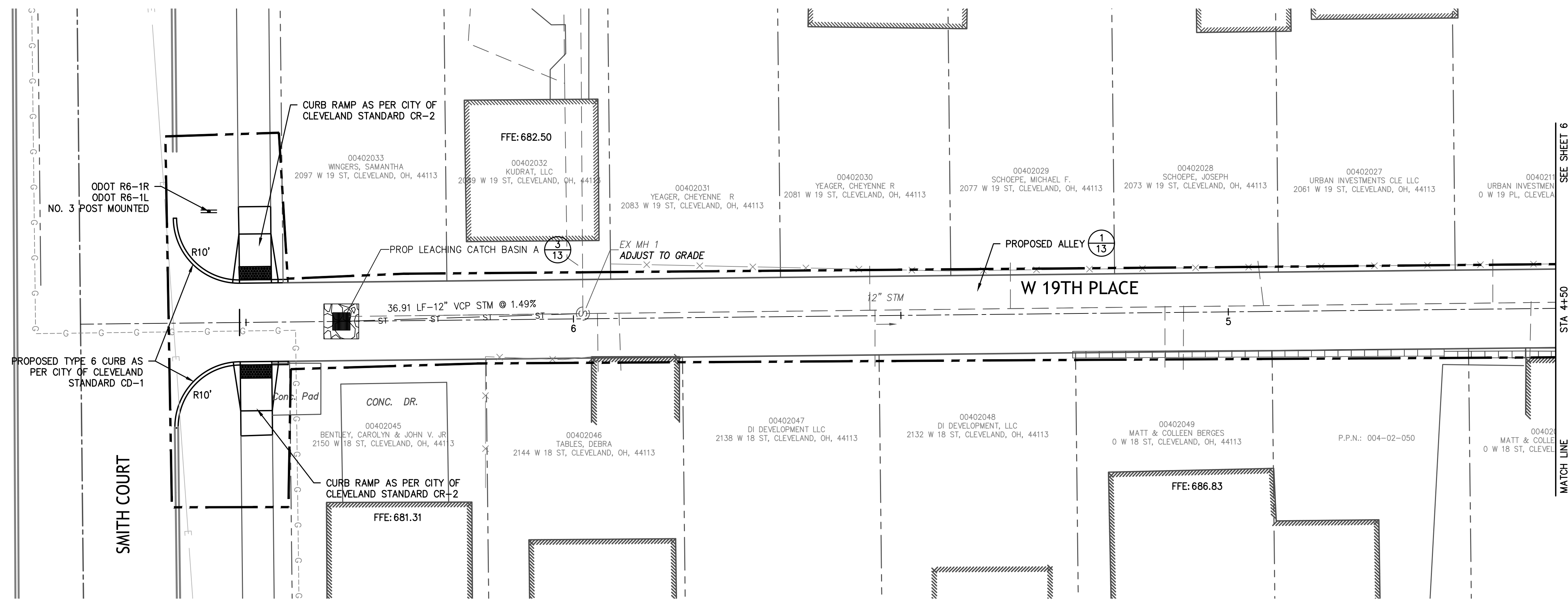


TREMONT WEST DEVELOPMENT CORPORATION 14-00325-010 W. 19TH PL GREEN ALLEY DESIGN SERVICES CADW 2/AMT 14-00325-010 - 7/5/2017 3:22:56 PM



LEGEND

--- CONSTRUCTION LIMITS



NOT FOR CONSTRUCTION

WEST 19TH PLACE
TREMONT WEST DEVELOPMENT CORPORATION



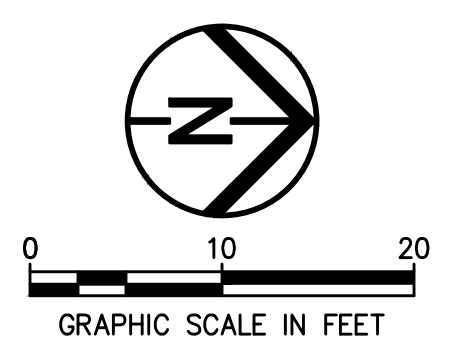
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 DRAWN BY: GCB / RS / KEH
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PLAN AND PROFILE



TREMONT WEST DEVELOPMENT CORPORATION 14-00325-010 W. 19TH PL GREEN ALLEY DESIGN SERVICES CAD/25/08/14 00325-010 - 7/5/2017 2:23:13 PM

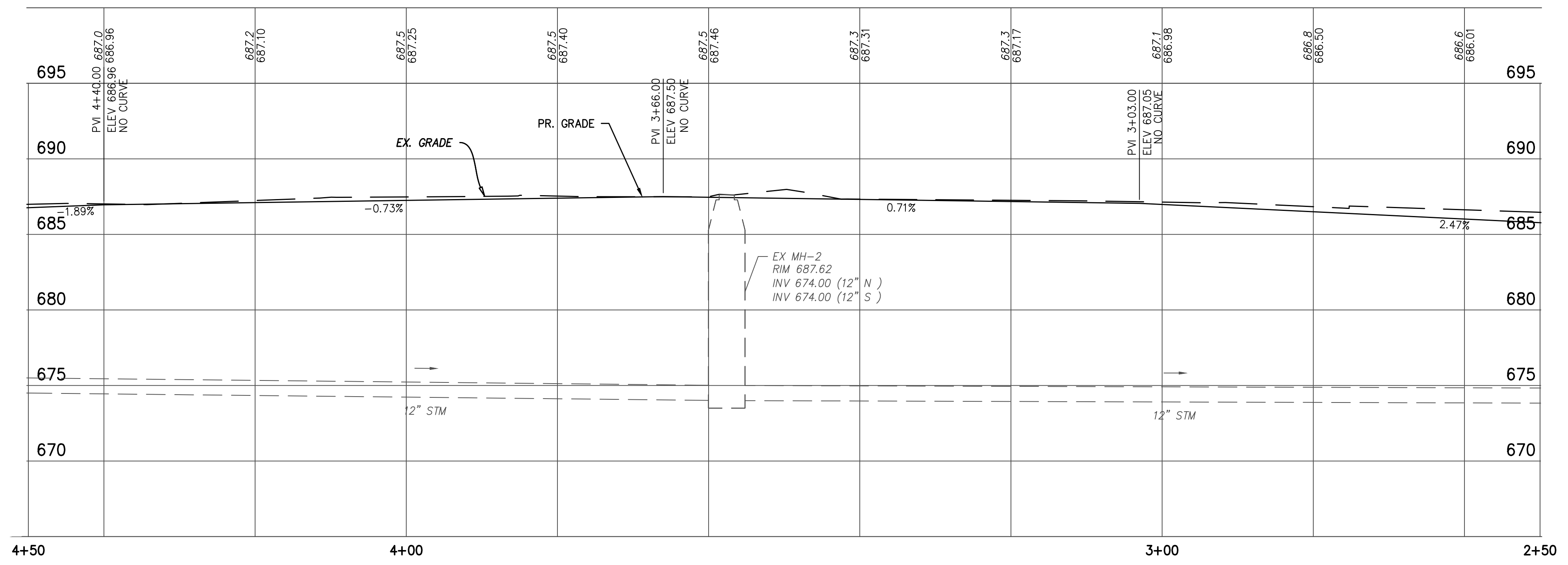
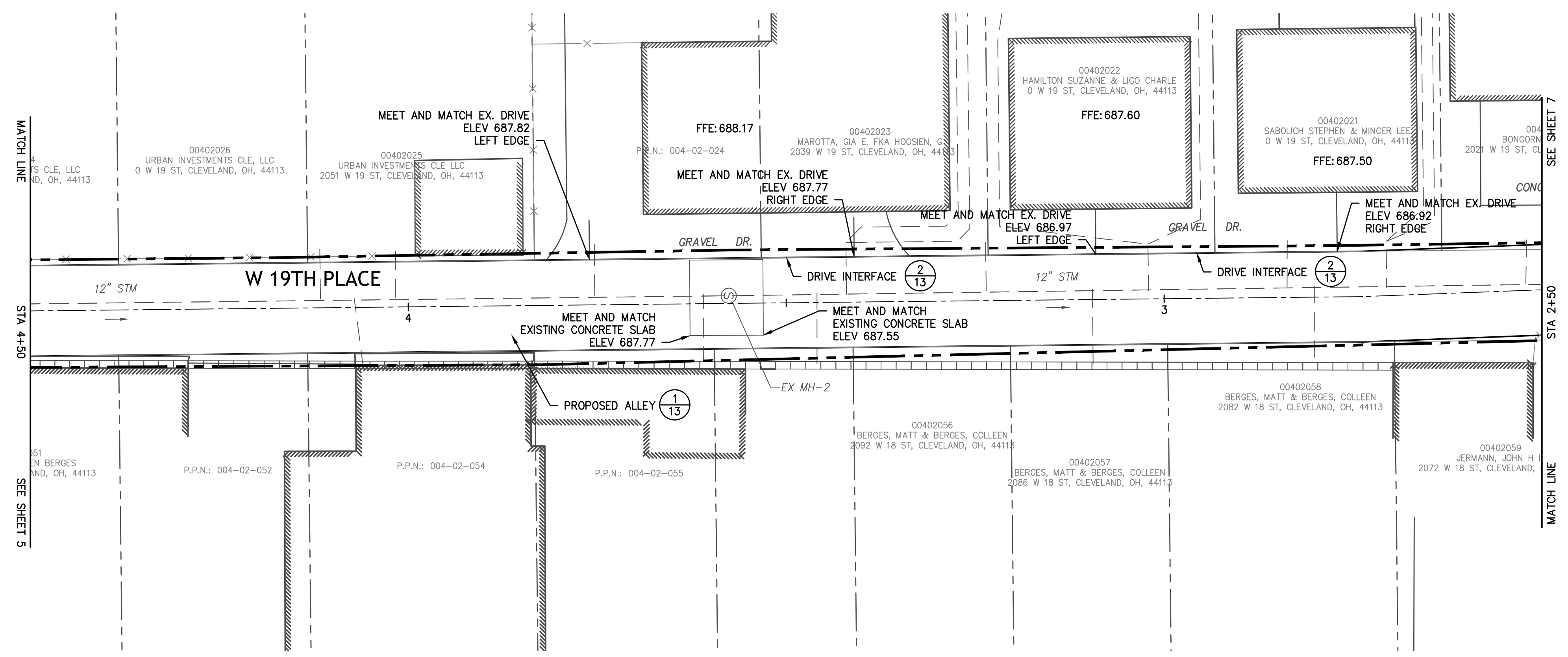


WEST 19TH PLACE
TREMONT WEST DEVELOPMENT CORPORATION



NOT FOR CONSTRUCTION

LEGEND
 - - - - - CONSTRUCTION LIMITS



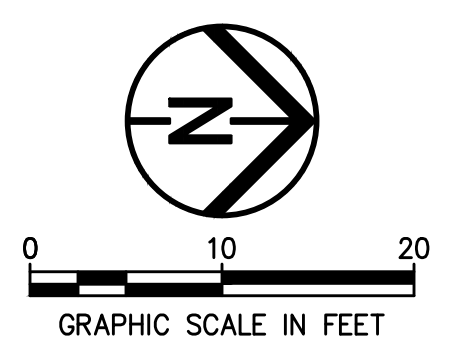
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PLAN AND PROFILE



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WEST 19TH PLACE
TREMONT WEST DEVELOPMENT CORPORATION



PERMIT REVIEW

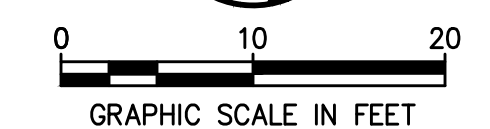
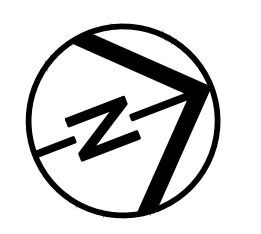
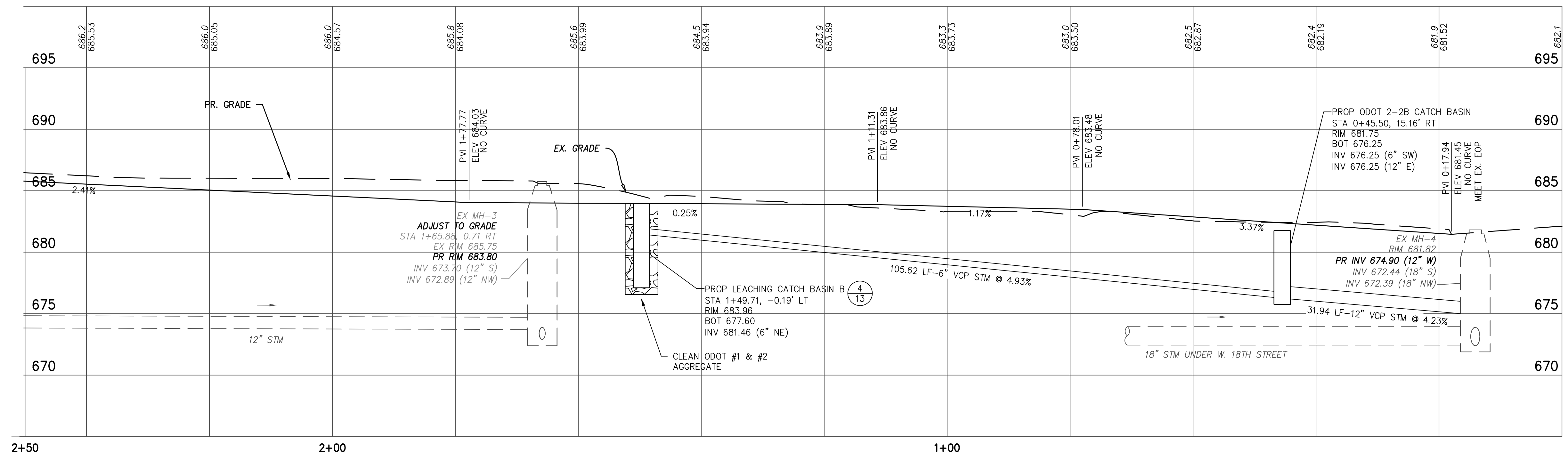
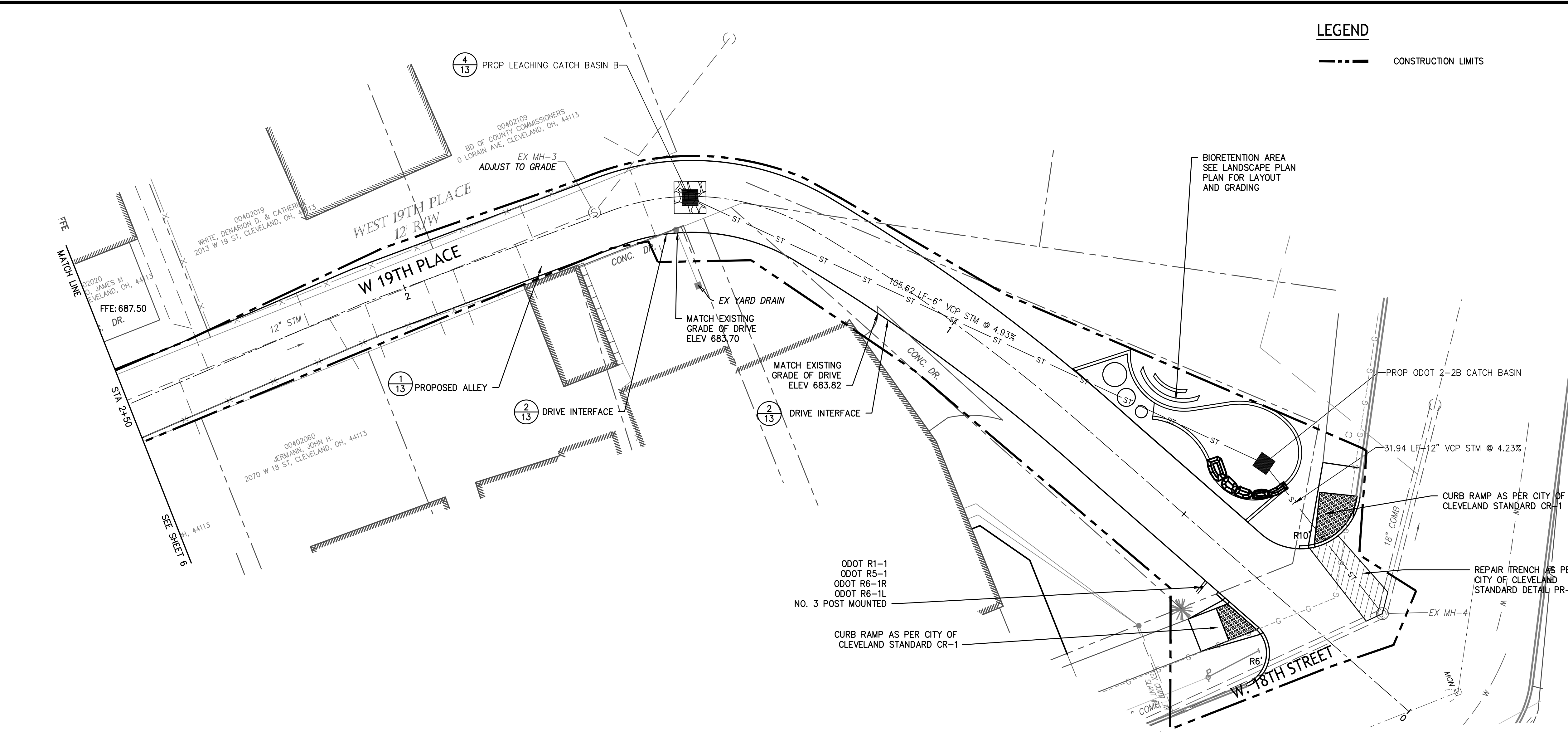
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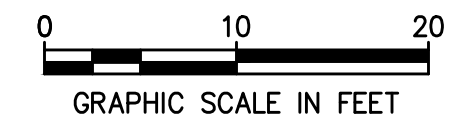
PLAN AND PROFILE

LEGEND
 - - - - - CONSTRUCTION LIMITS



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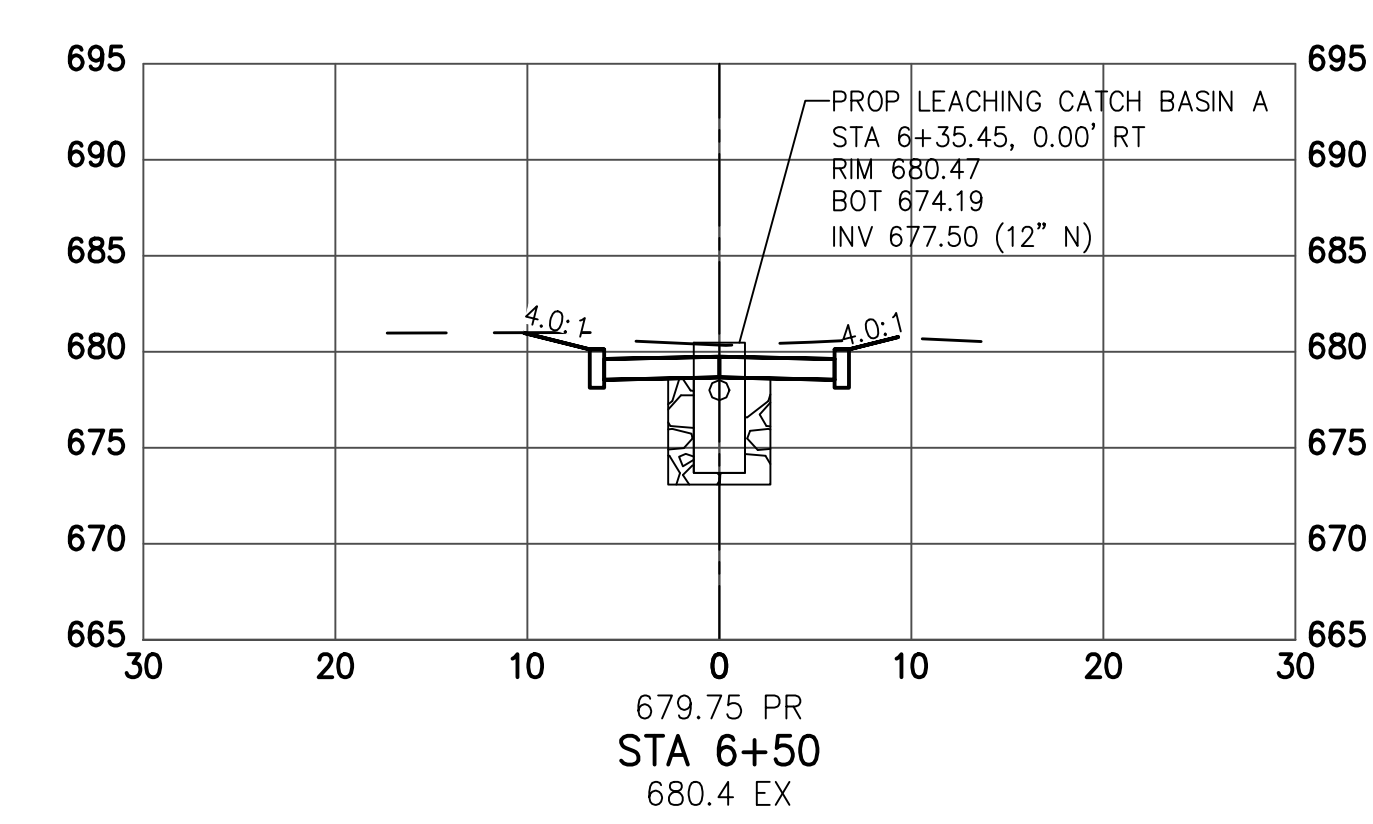
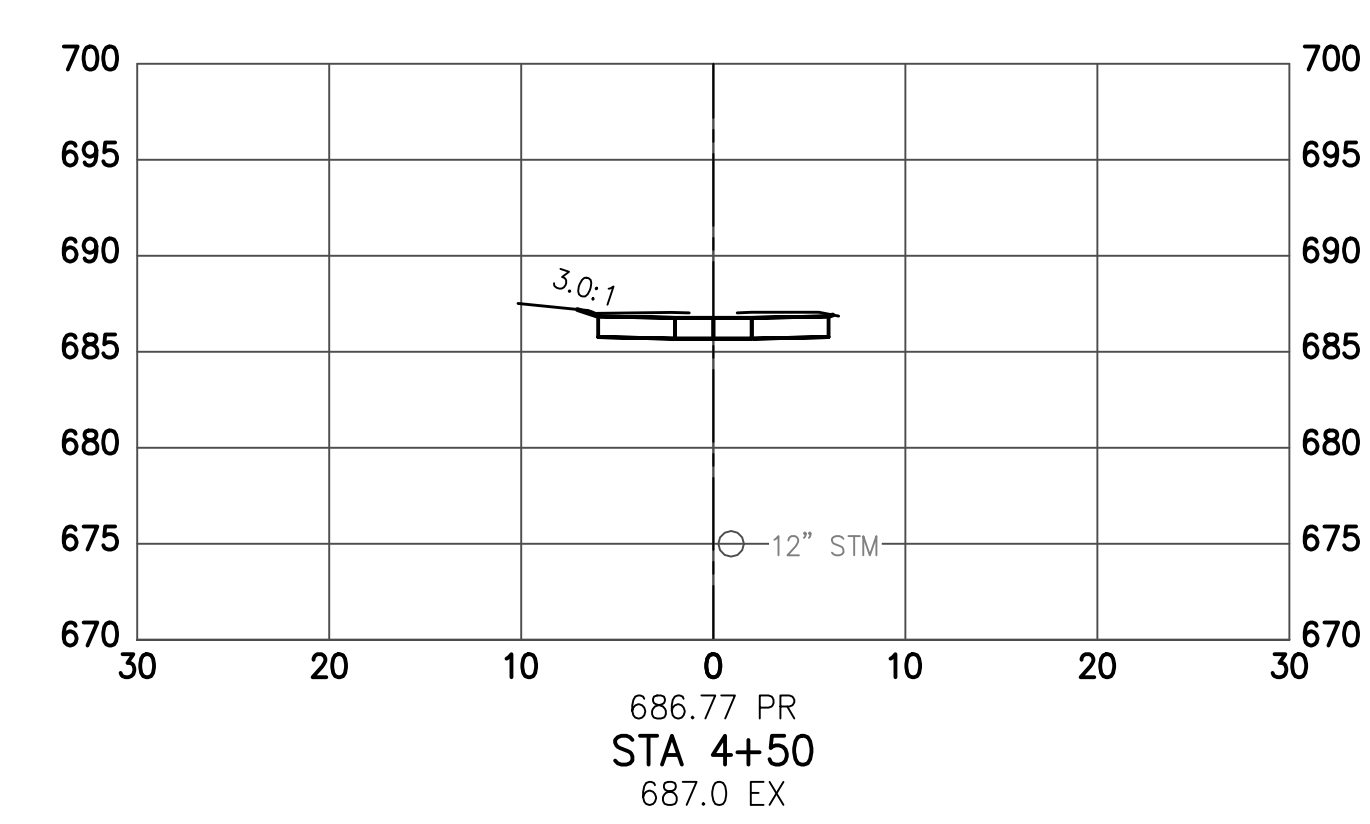
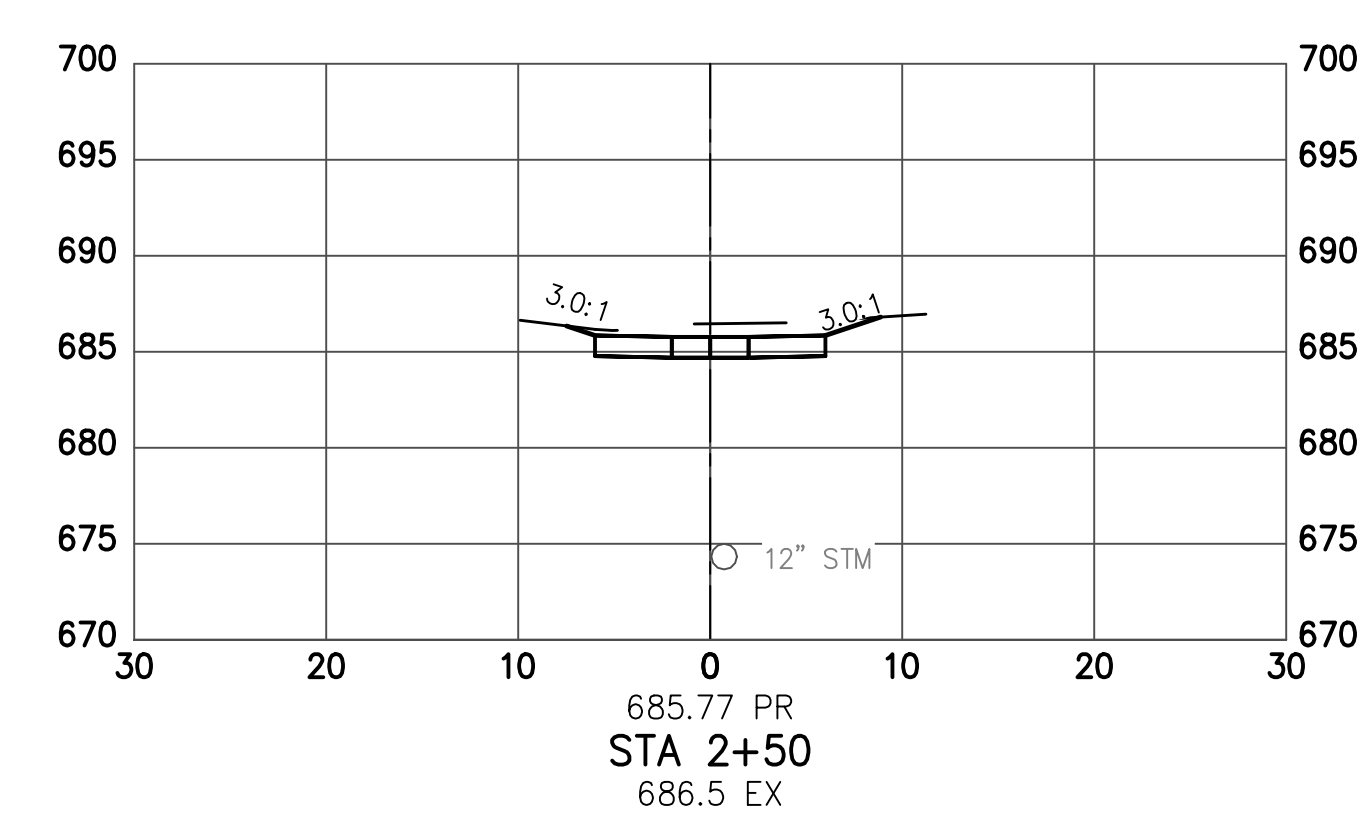
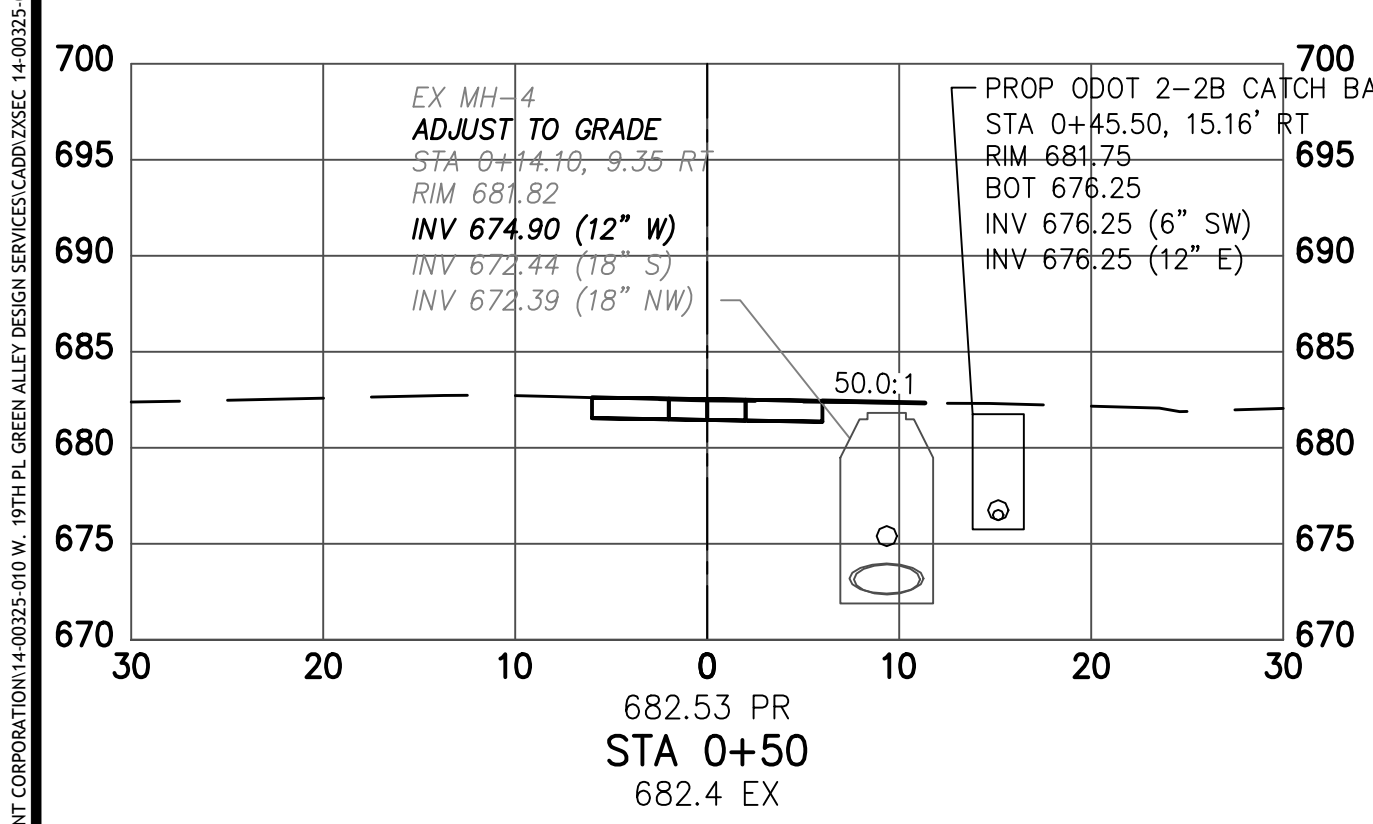
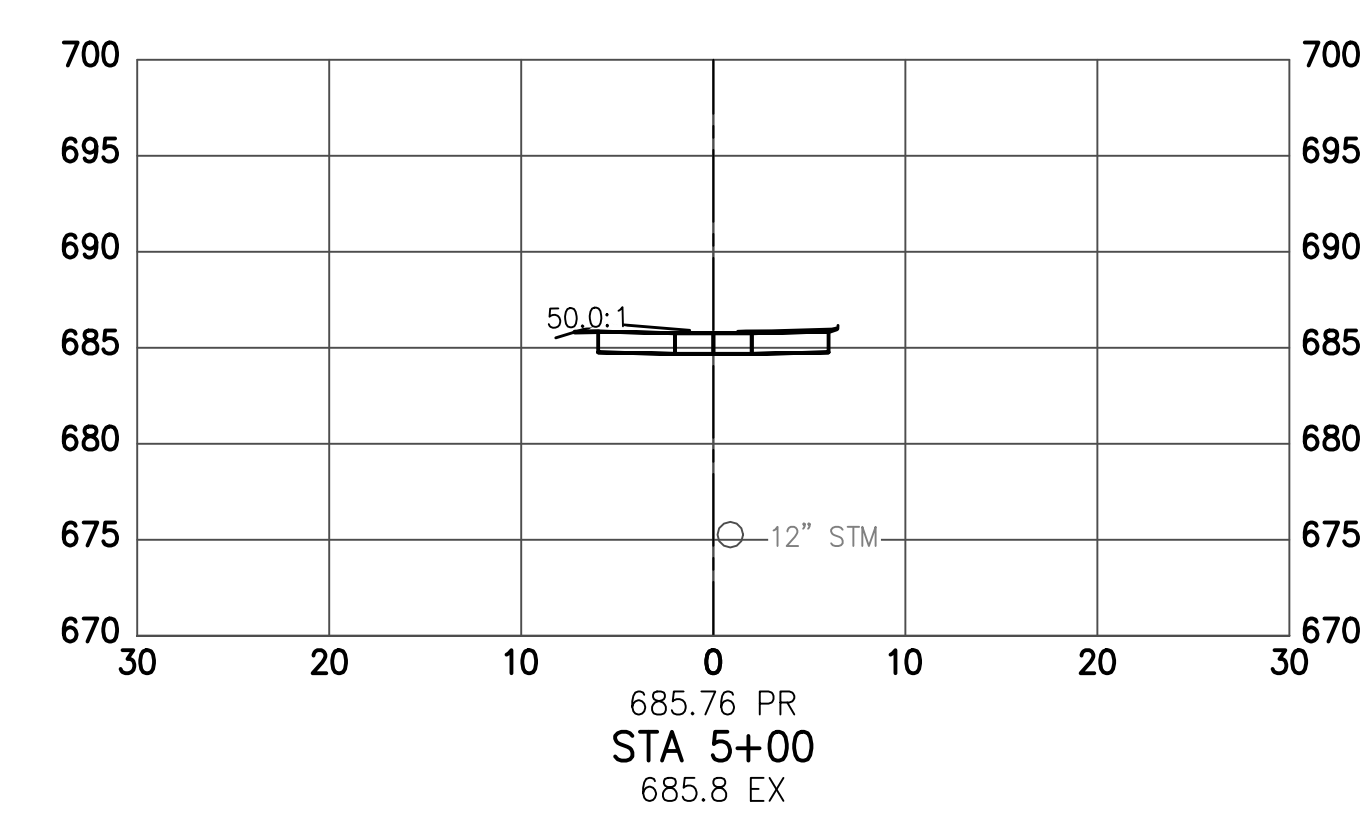
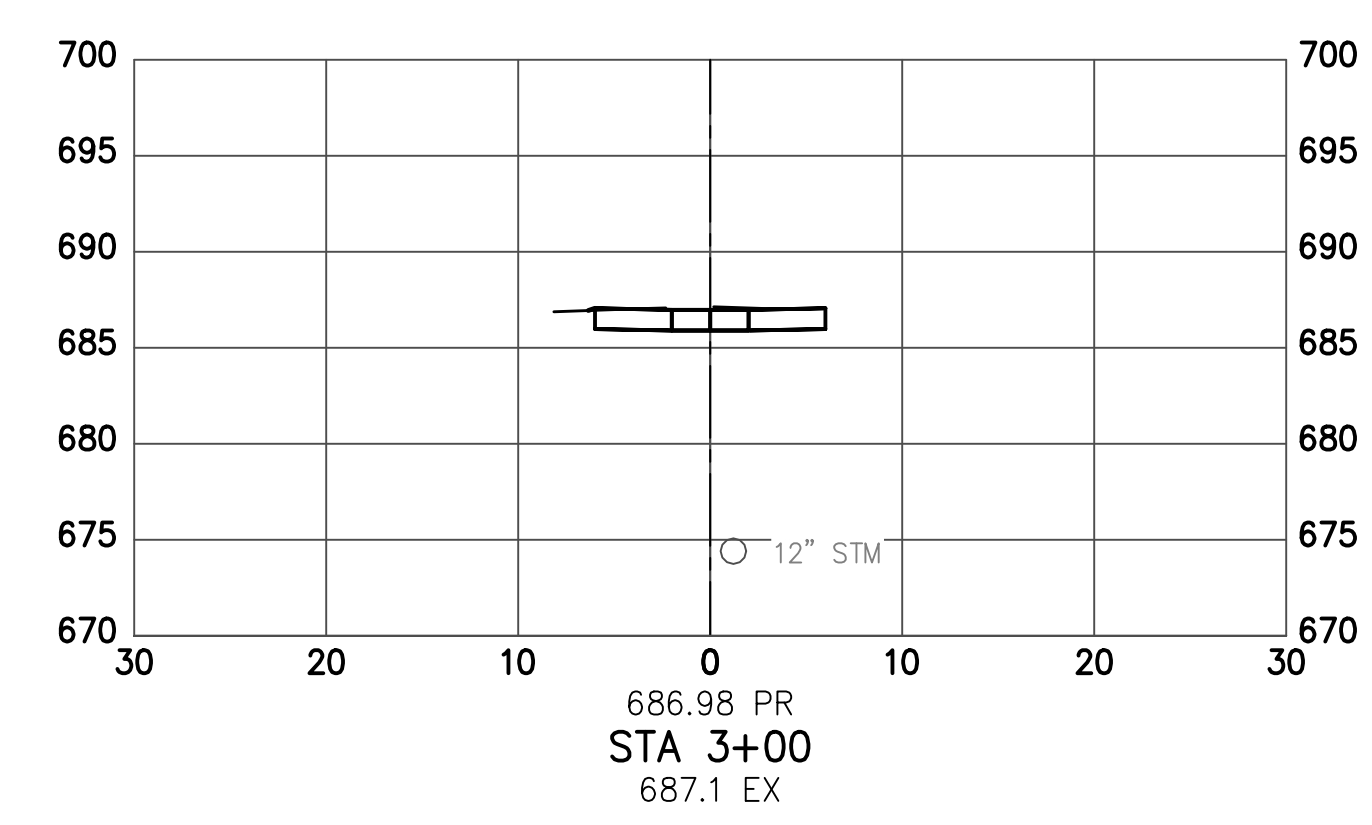
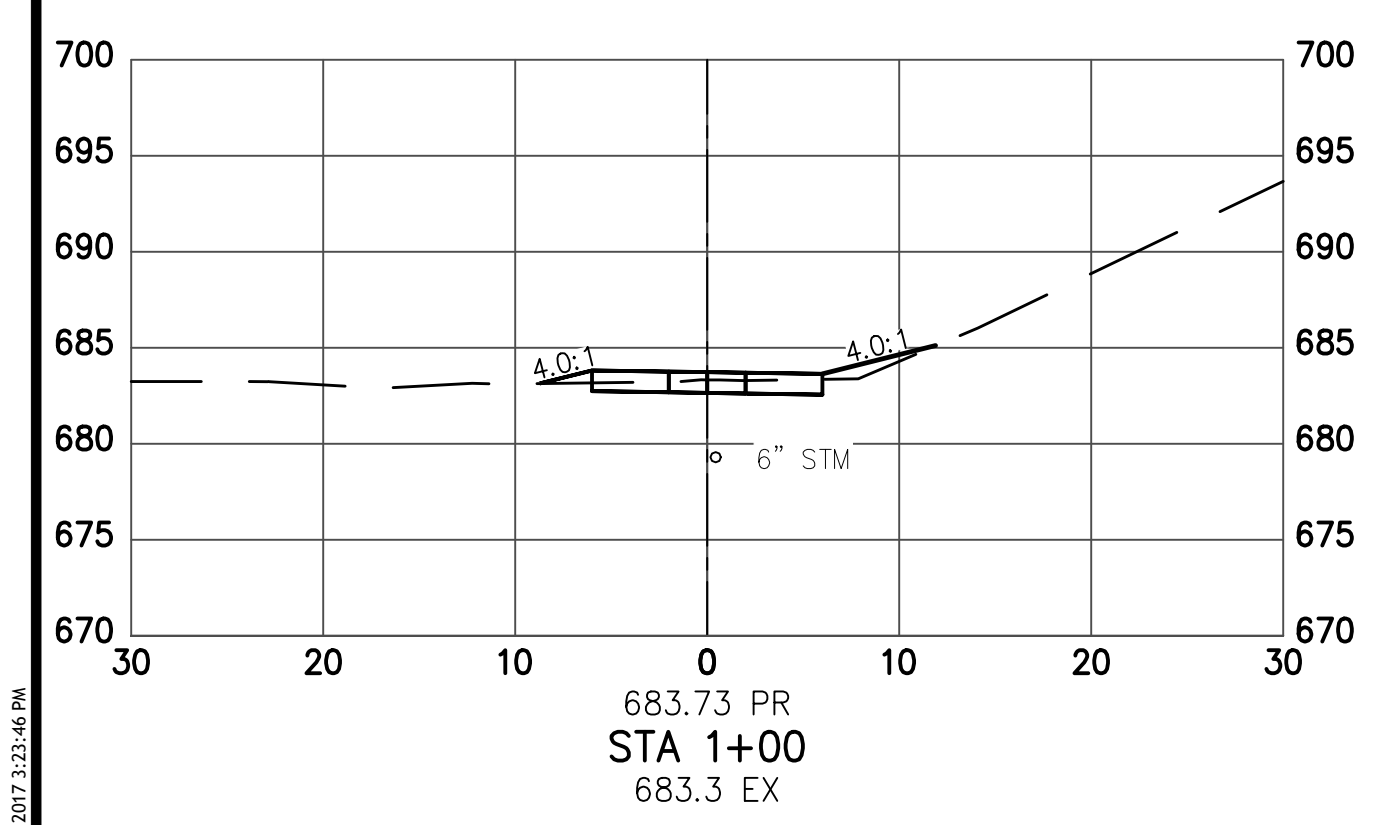
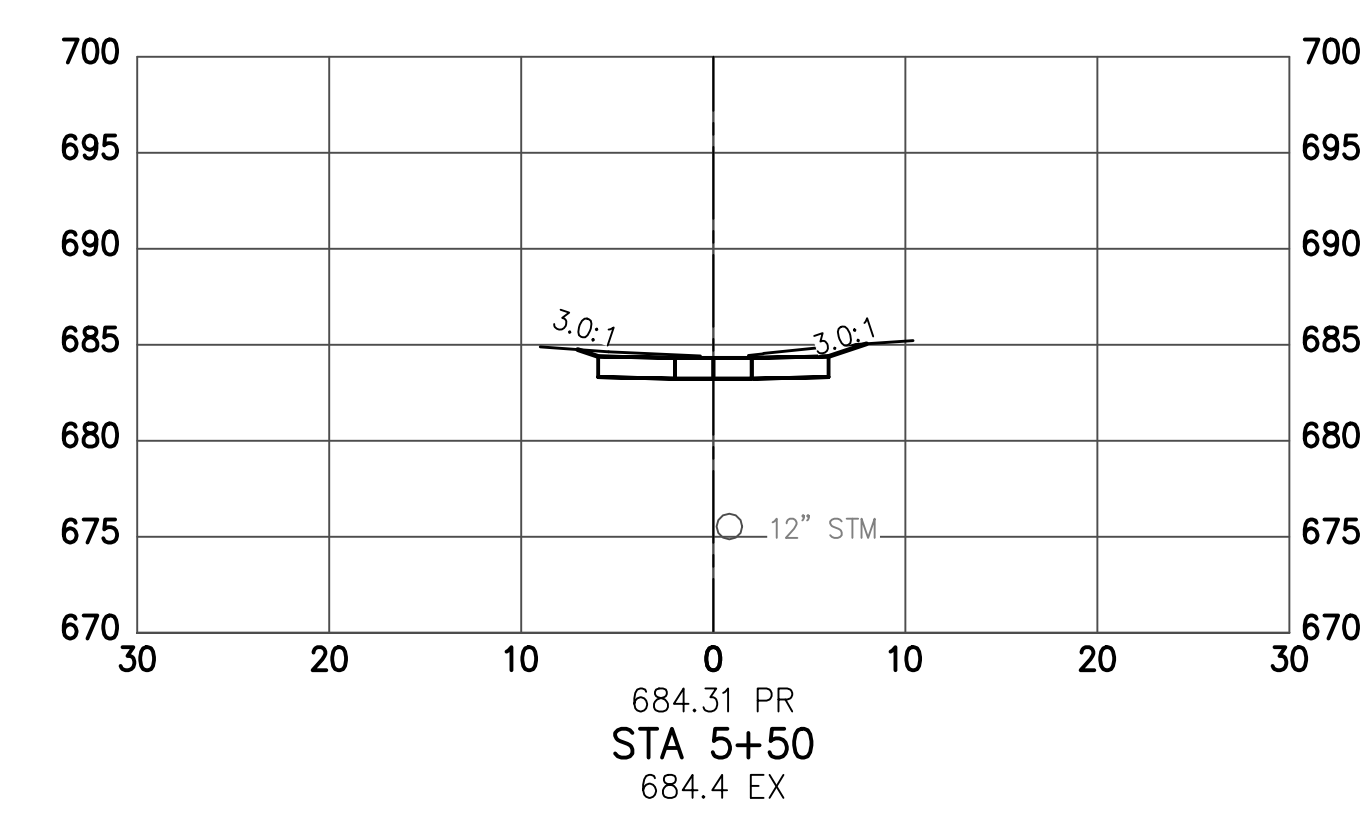
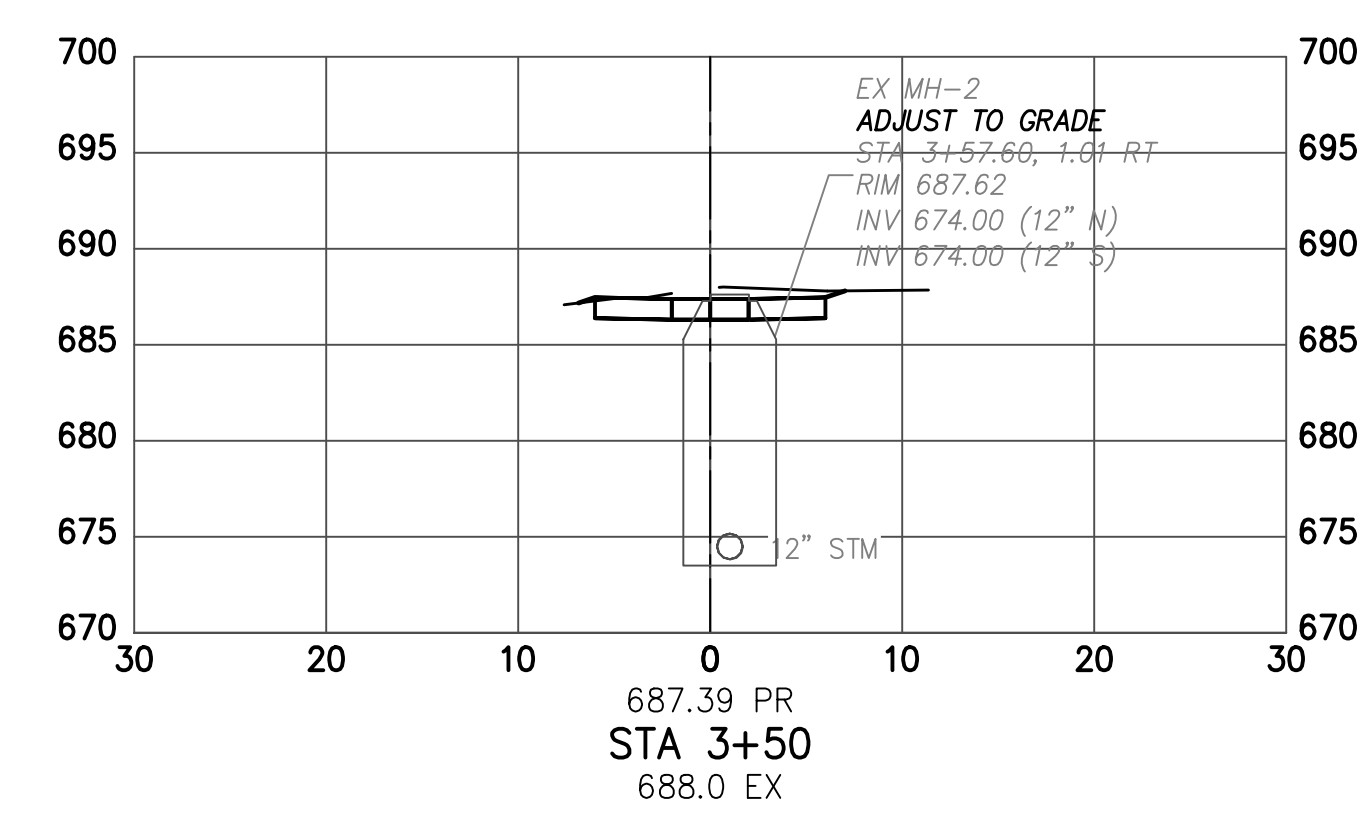
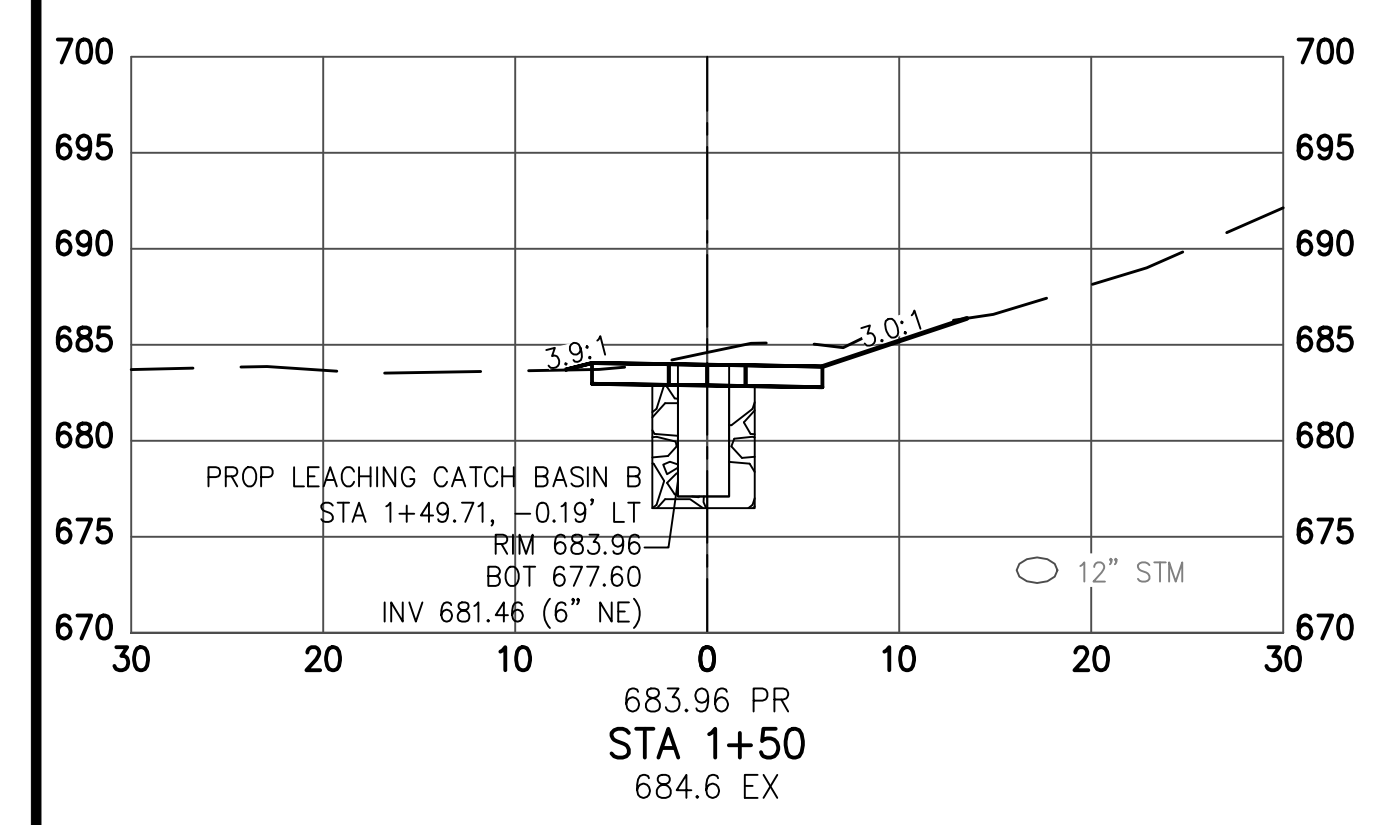
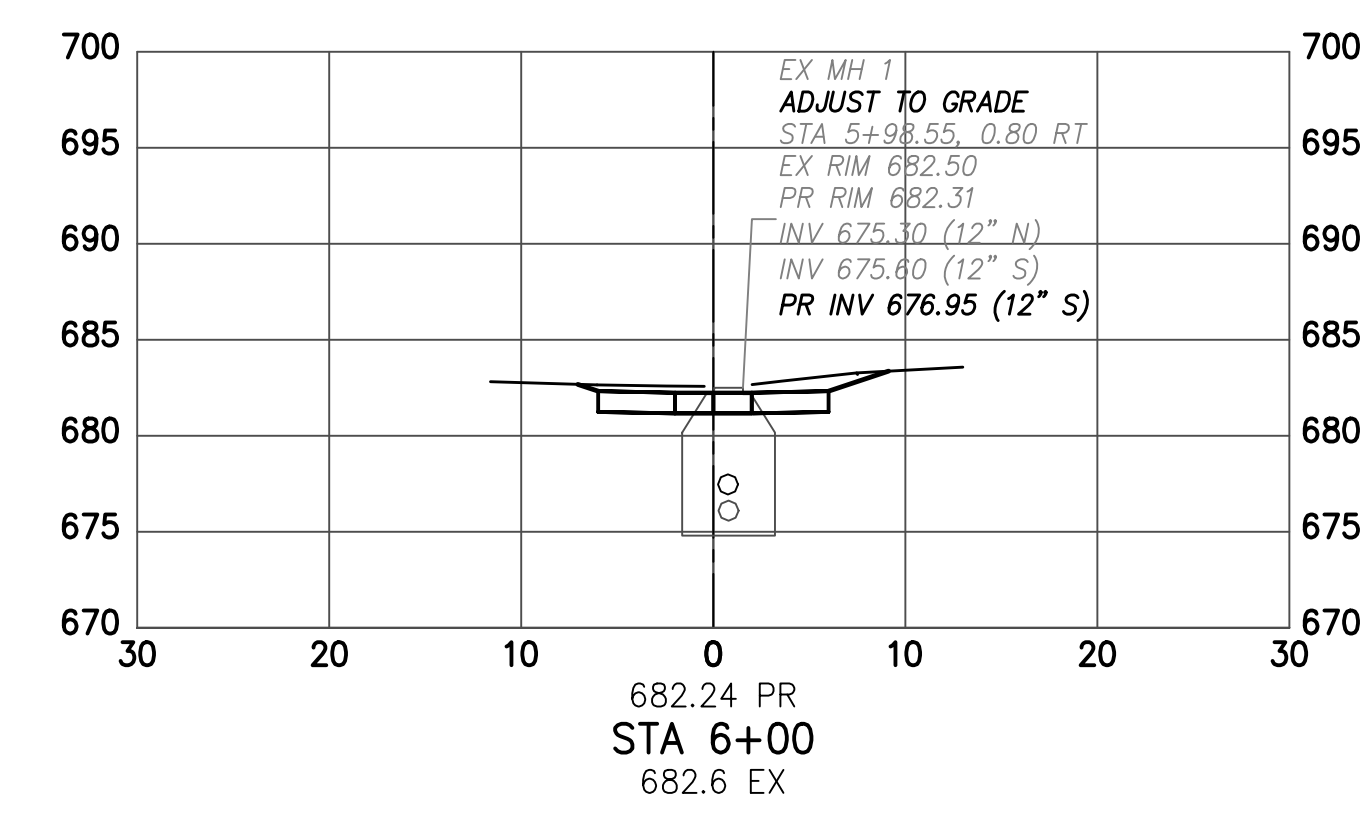
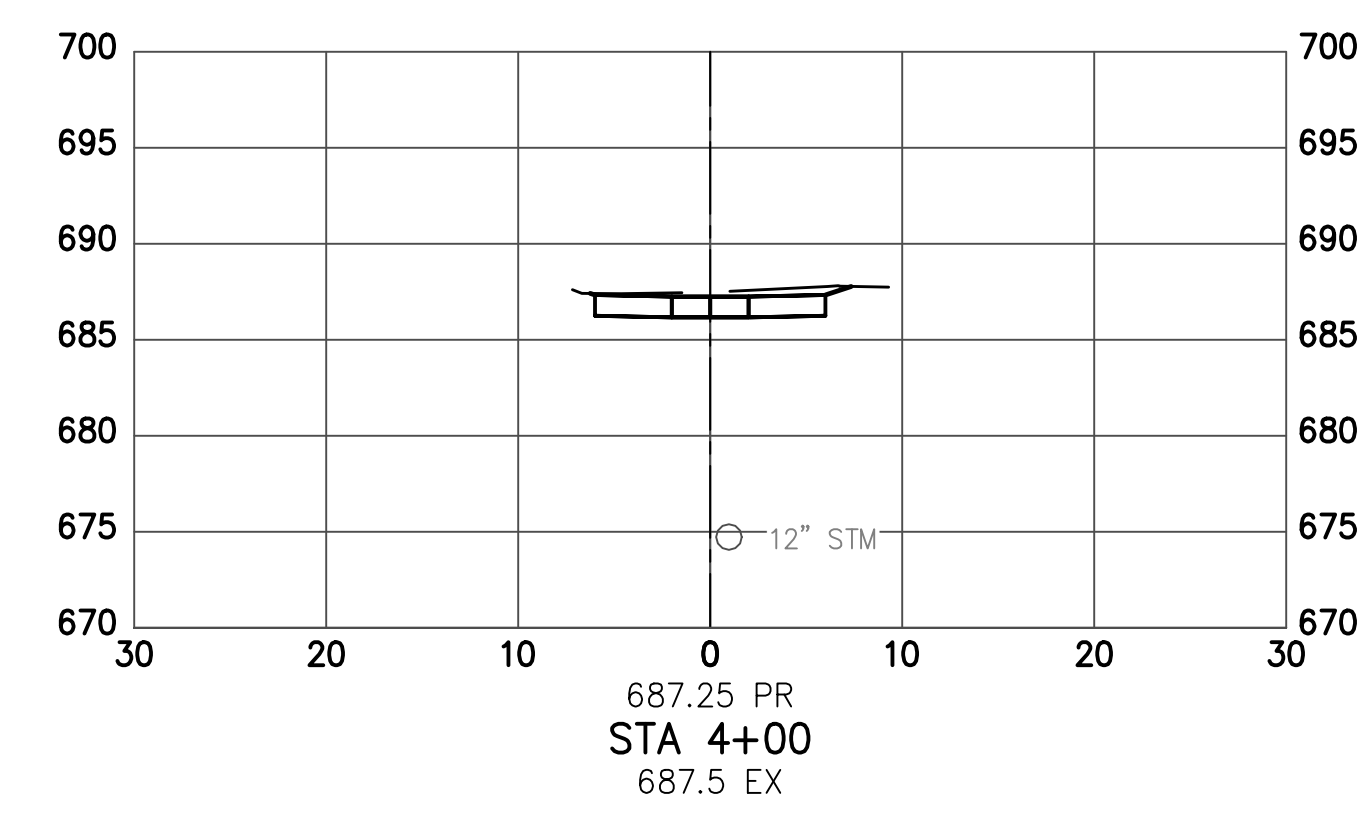
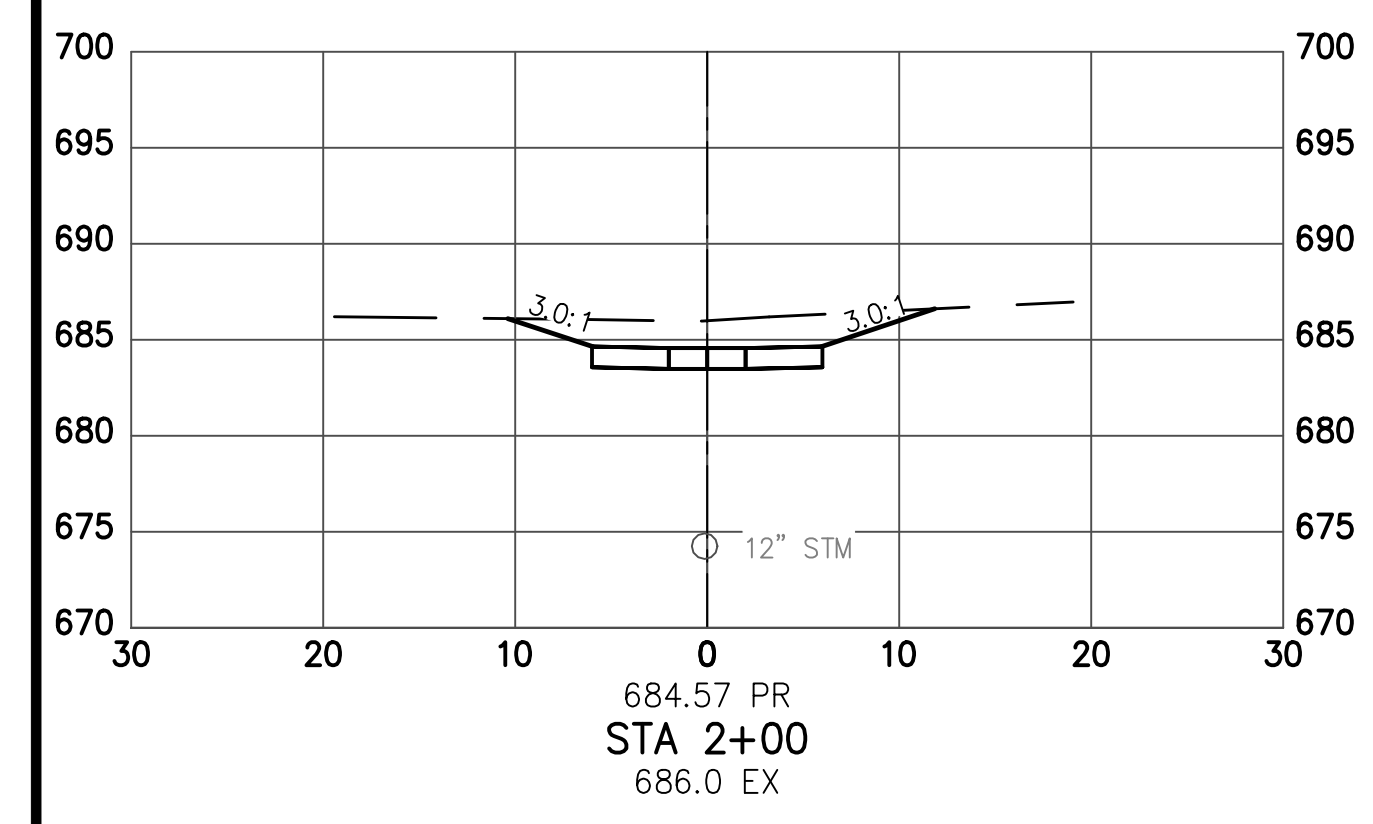
TREMONT WEST DEVELOPMENT CORPORATION 14-00325-010 W. 19TH PL GREEN ALLEY DESIGN SERVICES CAD/25/REV 14-00325-010 7/5/2017 3:23:32 PM



WEST 19TH PLACE
TREMONT WEST DEVELOPMENT CORPORATION



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CROSS SECTIONS

ENVIRONMENTAL DESIGN GROUP CORPORATION 14-00325-010 W. 19TH PL. GREEN ALLEY DESIGN SERVICES/CADD/250EC 14-00325-010-7191/0071 3:25:46 PM

POINTS	NORTHING	EASTING	J	664152.03	2188507.49
A	664128.93	2188481.49	K	664152.93	2188505.19
B	664138.03	2188482.04	L	664148.68	2188506.68
C	664134.8	2188484.44	M	664150.57	2188498.03
D	664135.25	2188488.72	N	664144.85	2188494.74
E	664136.71	2188491.83	O	664146.15	2188493.38
F	664133.12	2188503.35	P	664147.03	2188485.34
G	664144.49	2188503.3	Q	664138.28	2188493.19
H	664146.45	2188514.95	R	664139.28	2188491.2
I	664154.75	2188511.5			

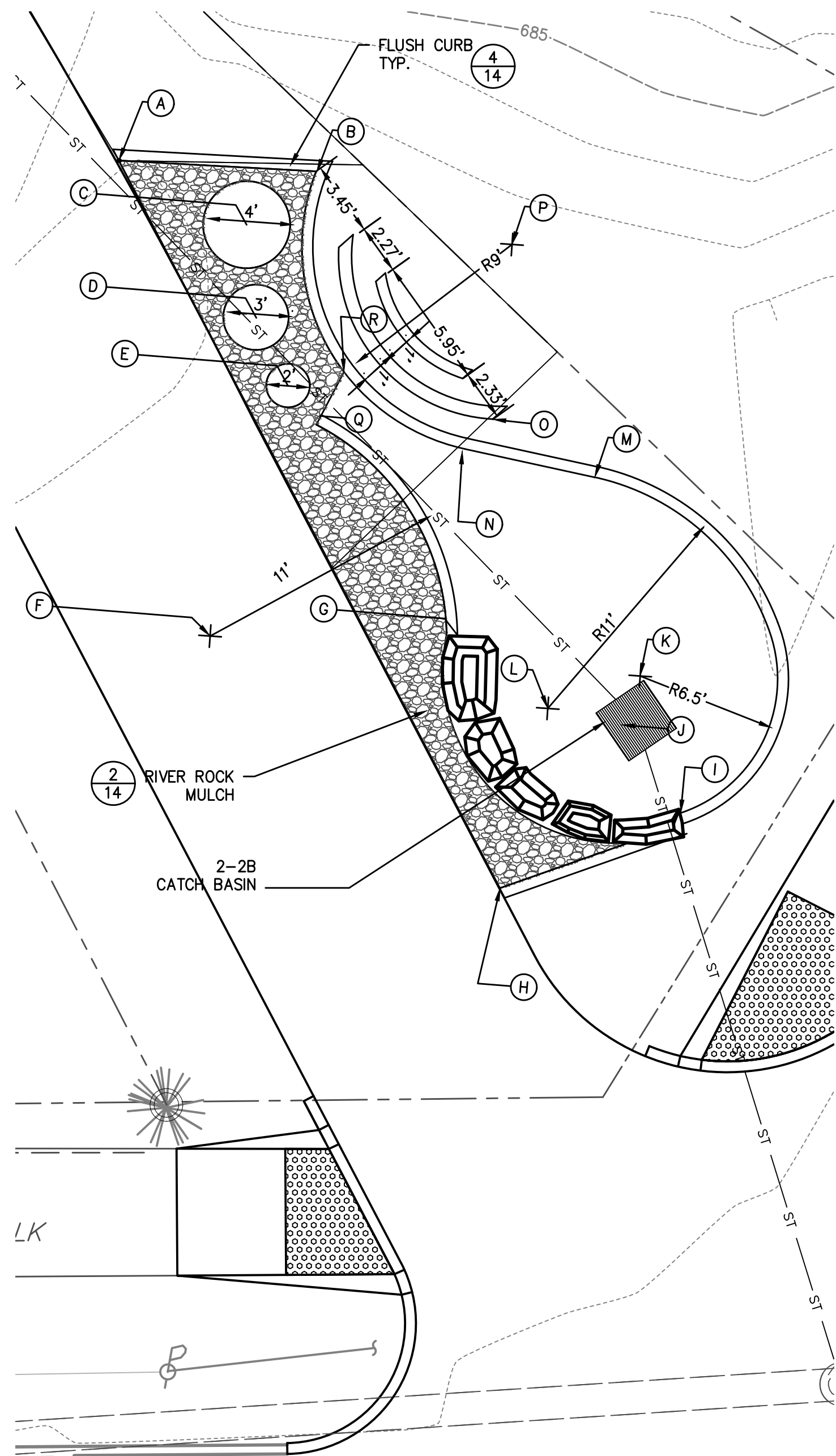
LEGEND

TC TOP OF CURB
BC BOTTOM OF CURB

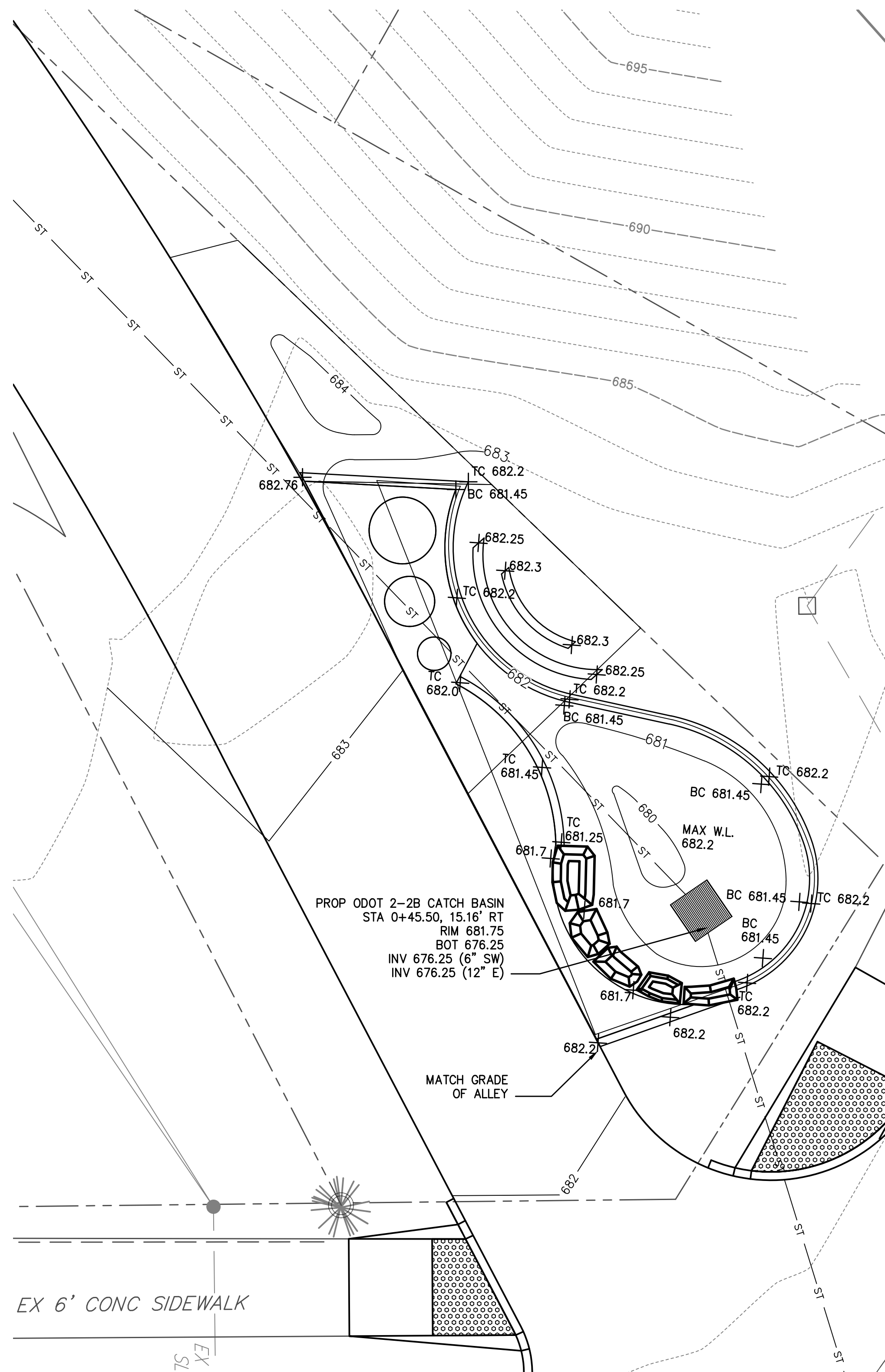
NOTES:

1. CONTRACTOR TO LAYOUT CURBING AND MATERIAL FOR LANDSCAPE ARCHITECT APPROVAL PRIOR TO CONSTRUCTION.

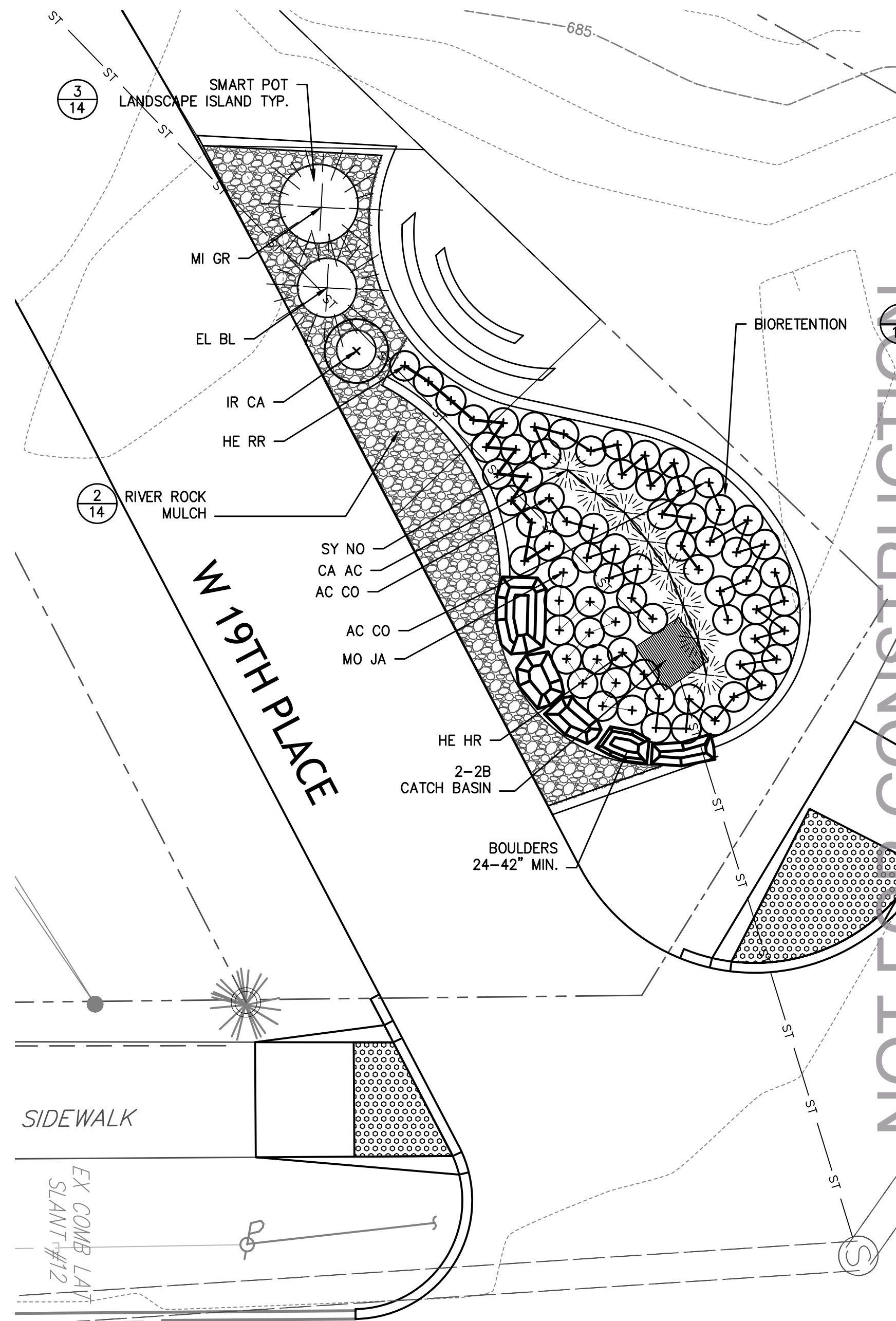
ABBR.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	CONDITION	QUANTITY
PERENNIALS						
AC CO	Achillea 'Coronation Gold'	Coronation Gold Yarrow	CLUMP	AS SHOWN	#2 CONT.	18
HE HR	Hemerocallis 'Happy Returns'	Happy Returns Daylily	CLUMP	AS SHOWN	#2 CONT.	16
HE RR	Hemerocallis 'Rosy Returns'	Rosy Returns Daylily	CLUMP	AS SHOWN	#2 CONT.	13
IR CA	Iris sibirica 'Caesar's Brother'	Caesar's Brother Iris	CLUMP	AS SHOWN	#2 CONT.	1
MO JA	Monarda didyma 'Jacob's Cline'	Jacob Cline Bee-Balm	CLUMP	AS SHOWN	#2 CONT.	12
SY NO	Symphotrichum novae-angliae	New England Aster	CLUMP	AS SHOWN	#2 CONT.	14
ORNAMENTAL GRASSES						
CA AC	Calamagrostis acutifolia 'Karl Foerster'	Karl Foerster Feather Reed Grass	CLUMP	AS SHOWN	#2 CONT.	8
EL BL	Elymus arenarius 'Blue Dune'	Blue Dune Lyme Grass	CLUMP	AS SHOWN	#2 CONT.	1
MI SI	Miscanthus sinensis 'Graziella'	Silver Maiden Grass	CLUMP	AS SHOWN	#2 CONT.	1



1 BIORETENTION LAYOUT PLAN
10 NOT TO SCALE



2 BIORETENTION GRADING PLAN
10 NOT TO SCALE



3 BIORETENTION PLANTING PLAN
10 NOT TO SCALE

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WEST 19TH PLACE
TREMONT WEST DEVELOPMENT CORPORATION



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NO.	DATE	DESCRIPTION

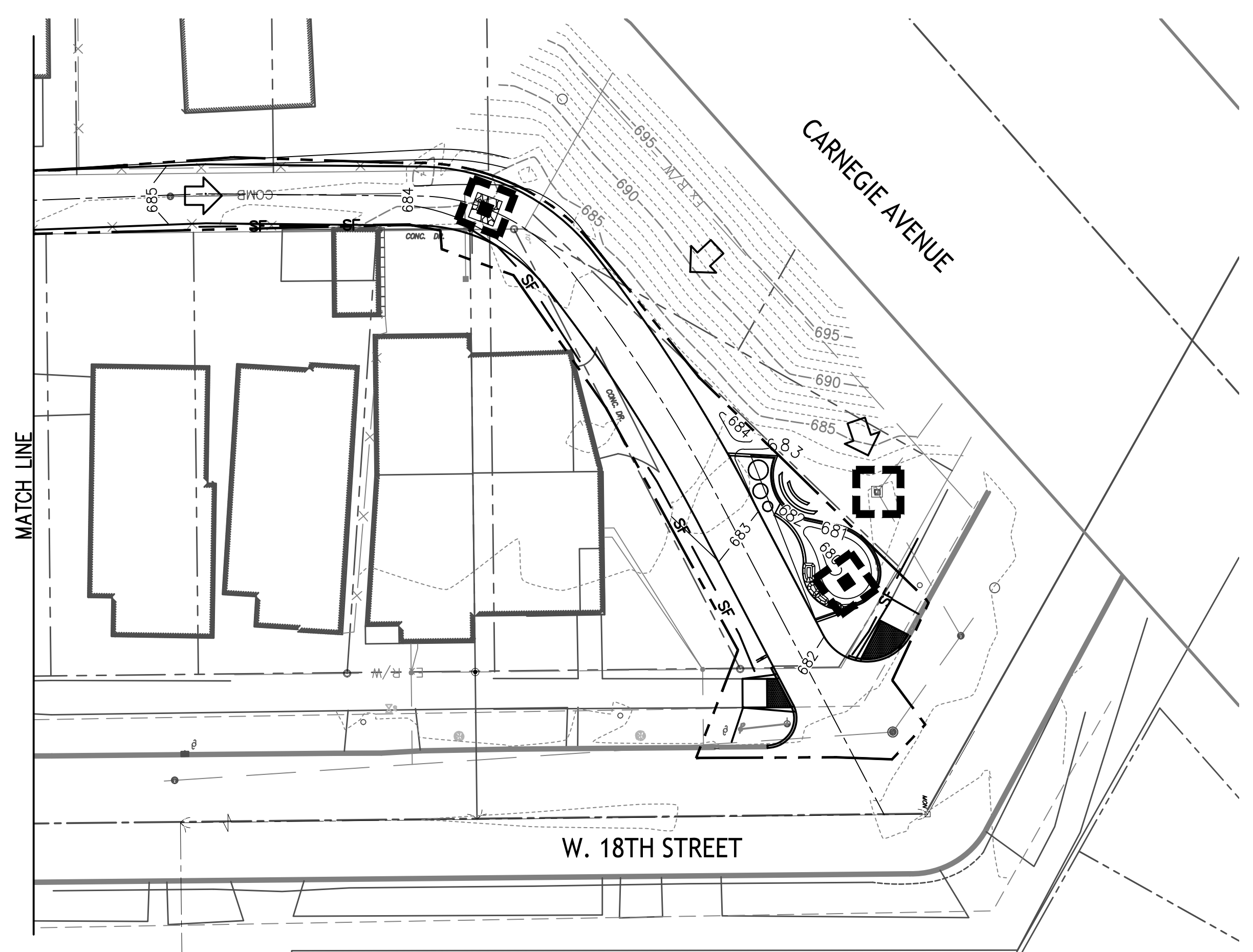
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LANDSCAPE PLAN



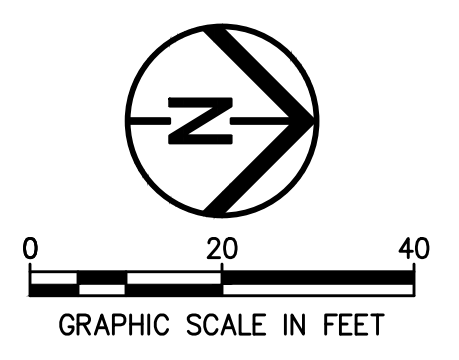
0 5 10
GRAPHIC SCALE IN FEET

E:\TREMONT WEST DEVELOPMENT CORPORATION\14-00325-010 W. 19TH PL GREEN ALLEY DESIGN SERVICES\CADD\SWPPP + 14-00325-010 - 7/5/2017 3:24:27 PM



- LEGEND**
- CONSTRUCTION LIMITS
 - XXXX— PROPOSED CONTOUR
 - - - - - EXISTING CONTOURS
 - SF - SILT FENCE
 - EXIST ○ PROP ● STORM STRUCTURES (REFER TO SITE UTILITY PLAN FOR STORM STRUCTURE NUMBERS & DATA)
 - WO CONCRETE WASHOUT
 - INLET PROTECTION (3/11)
 - ➔ SURFACE FLOW ARROW

NOT FOR CONSTRUCTION



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 806 LITERARY ROAD 2ND FLOOR, SUITE 206 CLEVELAND, OH 44113

811 Know what's below. Call before you dig.

WEST 19TH PLACE
 TREMONT WEST DEVELOPMENT CORPORATION



PERMIT REVIEW

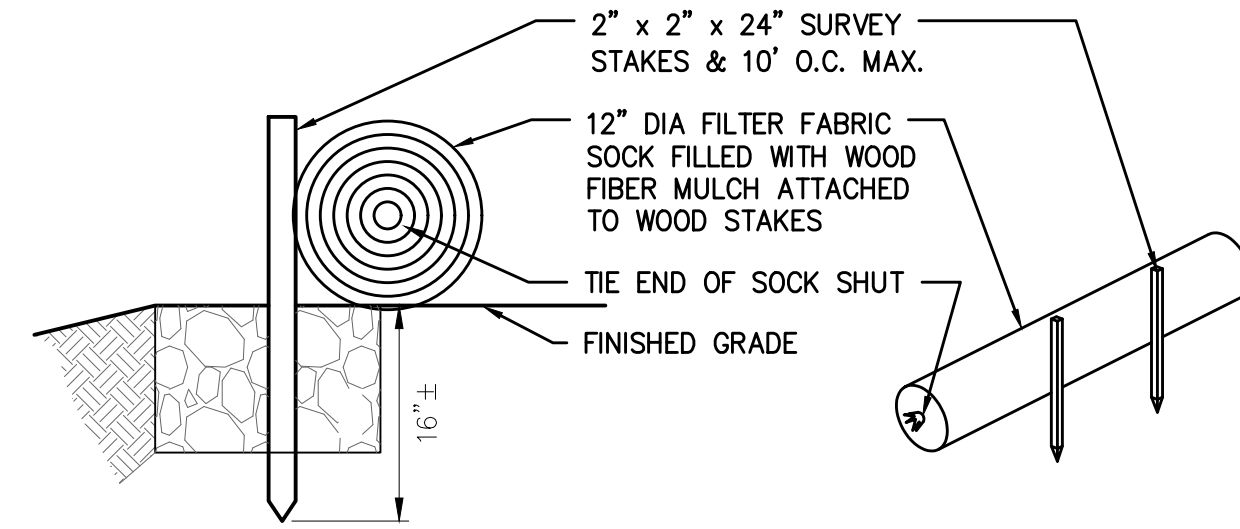
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REVISIONS		
Δ	DATE	DESCRIPTION

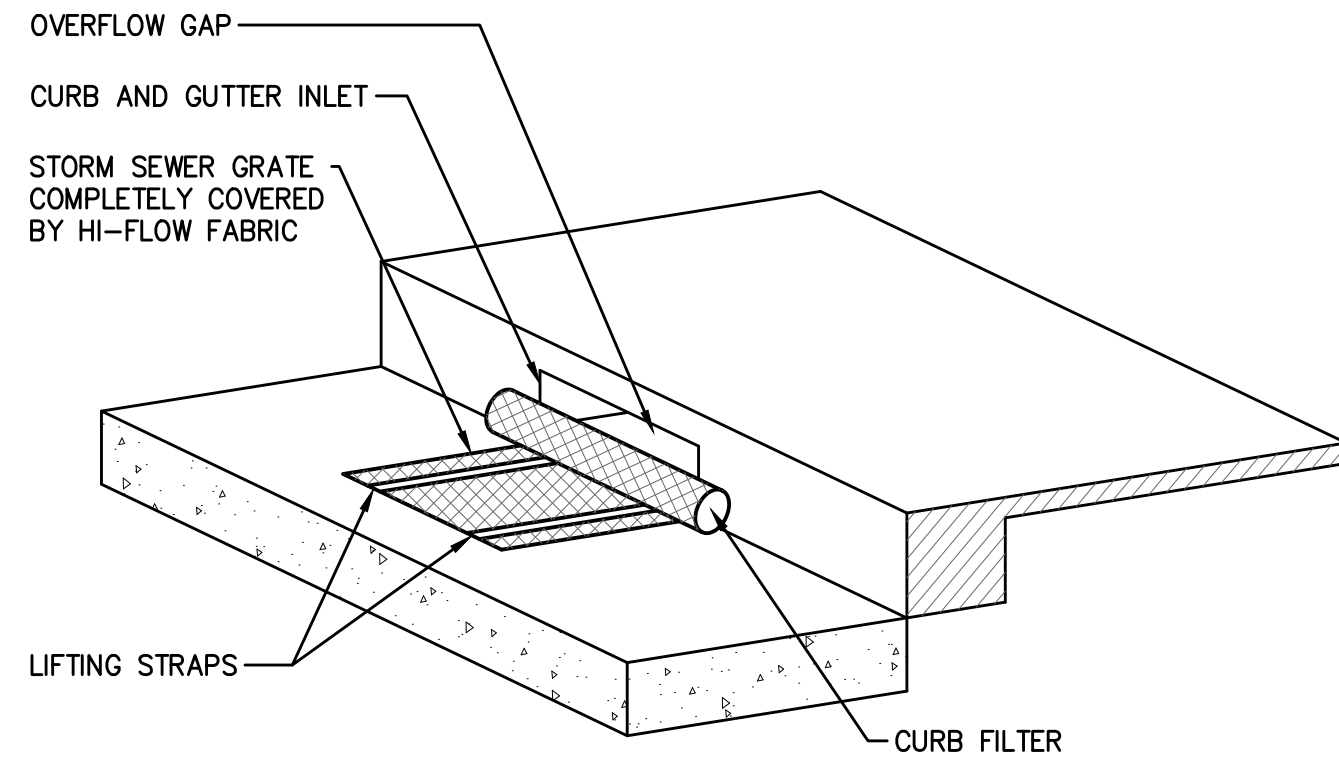
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STORMWATER POLLUTION PREVENTION PLAN

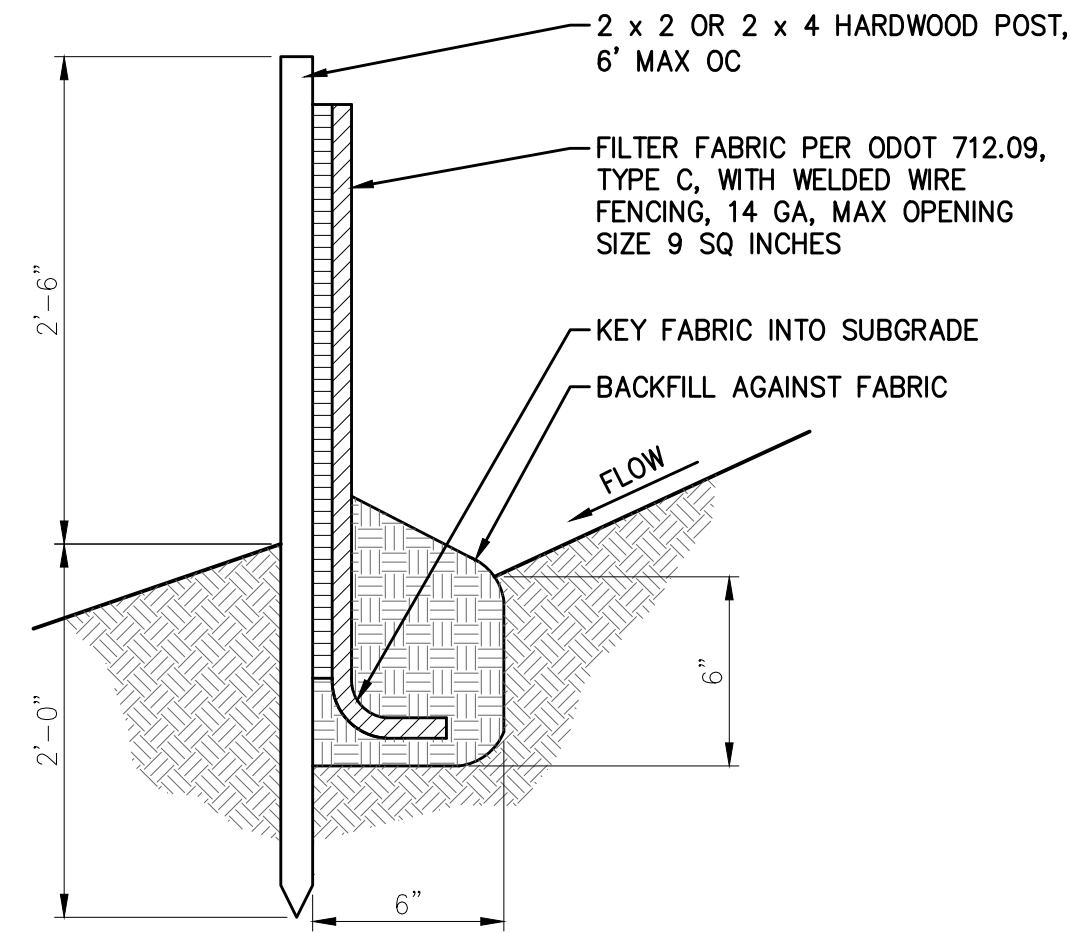
- NOTES:
1. WATTLES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING
 2. EACH BALE SHALL BE PLACED ON PAVEMENT SURFACE. MAINTAIN EROSION CONTROL DEVICE UNTIL PLANTS ARE ESTABLISHED AND THE BIOSWALE SOIL MIX IS STABILIZED.
 3. WATTLES SHALL BE SECURELY ANCHORED IN PLACE BY TWO STAKES OR RE-BARS DRIVEN THROUGH THE WATTLES. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE WATTLES TOGETHER.
 4. THE CONTRACTOR SHALL INSPECT THE DIKE AFTER EACH STORM, AND BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF SILT SOCK, BIOSWAL SOIL MIX AND PLANTINGS. REPAIRS SHALL BE MADE PROMPTLY AS NEEDED.
 5. WATTLES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR PURPOSE SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.



1 SILT SOCK DETAIL
11 NOT TO SCALE

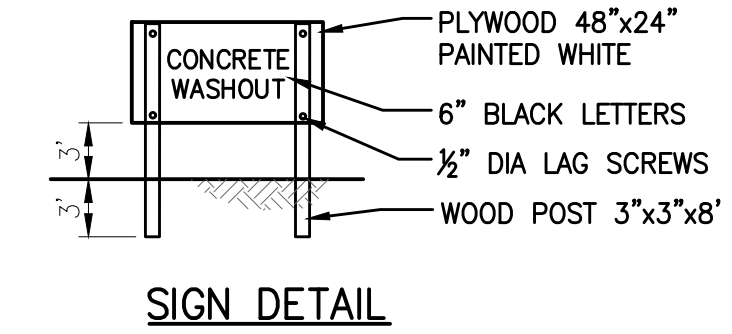


2 INLET PROTECTION DETAIL - CURB FILTER
11 NOT TO SCALE

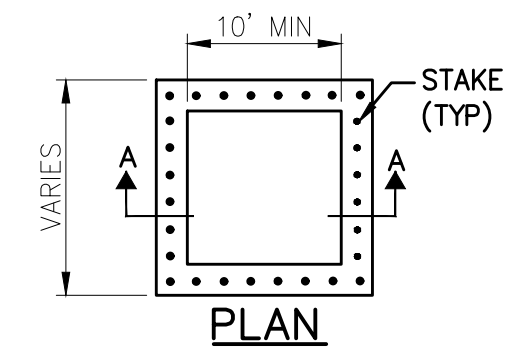


3 SILT FENCE DETAIL
11 NOT TO SCALE

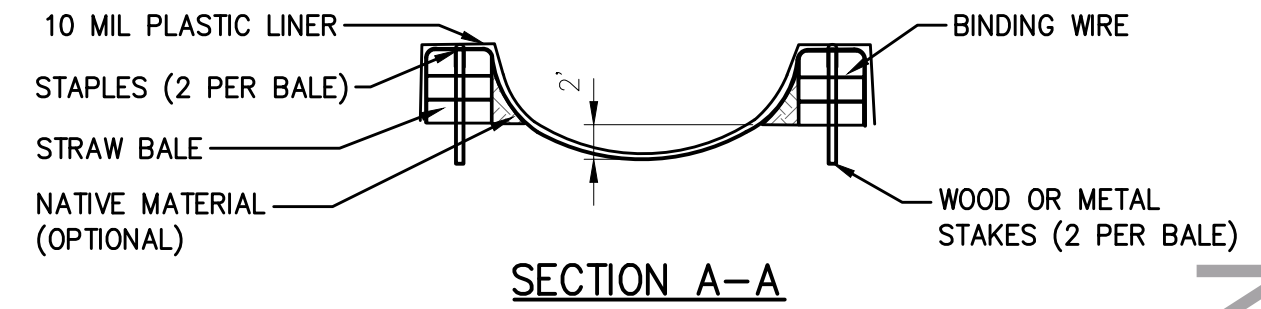
- NOTES:
1. ACTUAL LAYOUT AND SIZE DETERMINED IN THE FIELD.
 2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT OF THE TEMPORARY WASHOUT FACILITY.
 3. AS WASHOUT BECOMES FULL, IT SHALL BE REMOVED AND REPLACED.
 4. AFTER CONSTRUCTION COMPLETION, CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE WASHOUT AND SHALL RESTORE AREA AS SHOWN ON PLANS.



4 CONCRETE WASHOUT STATION DETAIL
11 NOT TO SCALE



STAPLE DETAIL



SECTION A-A

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PROJECT NO.: 14-00325-010
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STORMWATER POLLUTION PREVENTION DETAILS

STORMWATER POLLUTION PREVENTION PLAN NOTES

- CONSTRUCT IN ACCORDANCE WITH THESE PLANS, THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) STANDARD CONSTRUCTION DRAWING DM-4.4 AND THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (2006). THE IMPLEMENTATION OF SOIL EROSION AND SEDIMENT CONTROL SHALL ALSO CONFORM TO THE REQUIREMENTS OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (EPA) UNDER NPDES PERMIT #OHCO00004. IF CONFLICTS EXIST REGARDING THE SOIL AND SEDIMENT CONTROL PRACTICES, THE MORE RESTRICTIVE SHALL APPLY.
- STABILIZATION OF DISTURBED AREAS - DISTURBED AREAS SHALL HAVE SOIL STABILIZATION APPLIED WITHIN SEVEN (7) DAYS IF THEY ARE TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN FOURTEEN (14) DAYS. FOR AREAS WITHIN FIFTY (50) FEET OF ANY LIVE STREAM, SOIL STABILIZATION PRACTICES SHALL BE INITIATED WITHIN TWO (2) DAYS ON ALL INACTIVE, DISTURBED AREAS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING AND MATTING SHALL BE USED.
- INSTALL ALL EROSION AND SEDIMENT CONTROL ITEMS BEFORE ANY CLEARING AND GRUBBING OR EARTHWORK IS BEGUN.
- PROTECT UNDISTURBED AREAS THROUGHOUT CONSTRUCTION. DO NOT STORE EQUIPMENT, VEHICLES OR MATERIALS IN THESE PROTECTED AREAS.
- SEEDING AND FERTILIZER FOR PERMANENT COVER SHALL BE AS SPECIFIED IN ODOT CMS ITEM 659.
- MULCHING SHALL BE AS SPECIFIED IN ODOT CMS ITEM 659.
- TOPSOILING SHALL BE AS SPECIFIED IN ODOT CMS ITEM 659.
- EXCELSIOR MATTING/EROSION CONTROL BLANKETS WILL BE USED ON TEMPORARY DIVERSION CHANNELS AND DITCHES GREATER THAN 1.5% AND ALL OTHER SLOPES STEEPER THAN 6%. EXCELSIOR MATTING/EROSION BLANKETS SHALL BE AS SPECIFIED IN ITEM P-104 OF THE TECHNICAL SPECIFICATIONS.
- SILT FENCE AND/OR SILT SOCK SHALL BE AS DETAILED ON THE DRAWINGS AND AS SPECIFIED IN ITEM P-104 OF THE TECHNICAL SPECIFICATIONS.
- ROCK CHANNEL PROTECTION SHALL BE AS SPECIFIED IN ODOT CMS ITEM 601, TYPE B ROCK.
- NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORMWATER RUNOFF.
- OFF-SITE VEHICLE TRACKING OF SEDIMENTS WILL BE MINIMIZED. ALL OFF-SITE TRACKING OF SEDIMENT SHALL BE CLEANED UP AS IT OCCURS.
- SEDIMENT TRAPS AND BASINS WILL BE USED FOR TEMPORARY EROSION CONTROL.
- OTHER EROSION CONTROL AND SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.
- A PRE-CONSTRUCTION MEETING IS REQUIRED WITH CLEVELAND S.W.C.D. (216-524-6580) PRIOR TO BEGINNING WORK.
- TRUCK WASHOUT AND DISCHARGE OF SURPLUS WASH WATER ON SITE IS PERMITTED EXCLUSIVELY IN THE DESIGNATED AREA.
- WINTERIZATION - ANY DISTURBED AREA THAT IS NOT GOING TO BE WORKED FOR 14 DAYS OR MORE MUST BE SEEDED AND MULCHED BY NOVEMBER 1 OR MUST HAVE A DORMANT SEEDING OR MULCH COVER APPLIED BETWEEN NOVEMBER 1 AND MARCH 1.
- TRENCH WATER MUST BE PUMPED THROUGH A SEDIMENT SETTLING FACILITY OR EQUALLY EFFECTIVE DEVICE PRIOR TO DISCHARGE FROM THE SITE.
- STAGING, STORAGE, FUELING AND VEHICLE PARKING ARE SHOWN ON THE SWPP PLAN. IF THE CONTRACTOR WANTS TO UTILIZE A DIFFERENT LOCATION FOR THESE FUNCTIONS, HE SHALL REVISE THE SWPP PLAN AND SUBMIT IT TO CLEVELAND S.W.C.D. FOR APPROVAL.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL MEASURES.
- DISTURBED AREAS REMAINING DORMANT FOR OVER A YEAR AT THE FINAL GRADE WILL HAVE A PERMANENT COVER APPLIED WITHIN 7 DAYS OF LAST DISTURBANCE.

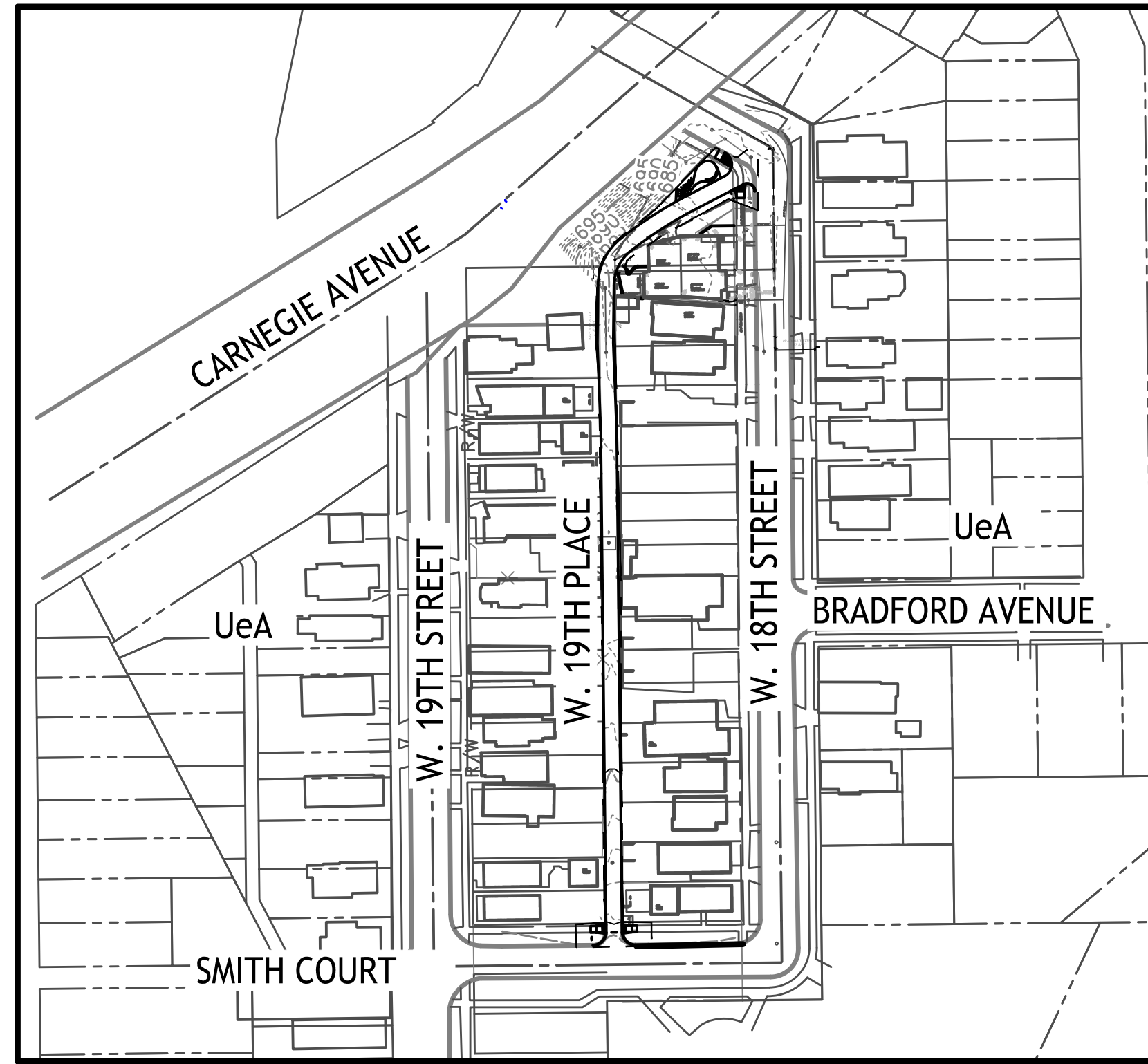
MAINTENANCE AND INSPECTION:
 PERMANENT RECORDS OF MAINTENANCE AND INSPECTION MUST BE MAINTAINED THROUGHOUT CONSTRUCTION A MINIMUM OF ONCE EVERY 7 DAYS AND AFTER STORM EVENTS GREATER THAN 0.5 INCH IN A 24 HOUR PERIOD. PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION, CERTIFICATION OF COMPLIANCE AND CORRECTIVE MEASURES TAKEN.

REPAIRS:
 ANY EROSION CONTROL MEASURES, STRUCTURES, DEVICES, OR RELATED ITEMS IN NEED OF REPAIR WILL BE MADE WITHIN 7 DAYS.

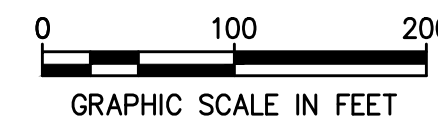
MATERIAL MANAGEMENT PRACTICES:
 THE FOLLOWING PRACTICES SHALL BE EXECUTED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUN-OFF. THE JOB SITE SUPERINTENDENT IS RESPONSIBLE FOR ENSURING THESE PRACTICES ARE FOLLOWED:

- STORE THE MINIMUM AMOUNT OF PRODUCT REQUIRED TO COMPLETE THE JOB, IF POSSIBLE, UNDER ROOF OR IN A CONTAINMENT AREA. PRODUCTS SHALL REMAIN IN THEIR ORIGINAL CONTAINER. LABEL MUST BE LEGIBLE
- MANUFACTURER'S RECOMMENDATION SHALL BE FOLLOWED FOR USE AND DISPOSAL.
- PRODUCT TO BE USED ENTIRELY (WHEN POSSIBLE) PRIOR TO DISPOSING.
- MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES USED ON THE SITE SHALL BE OBTAINED AND POSTED IN THE IMMEDIATE AREA OF PRODUCT STORAGE AND SHALL BE USED FOR PROPER MANAGEMENT OF POTENTIAL WASTE.
- ALL HAZARDOUS WASTE MATERIAL WILL BE DISPOSED BY THE CONTRACTOR IN A MANNER SPECIFIED BY LOCAL, STATE OR FEDERAL REGULATIONS AND PER MANUFACTURERS RECOMMENDATIONS.
- ALL PERSONNEL SHALL BE TRAINED IN THE PROPER HANDLING AND CLEAN UP OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR WASTE SHALL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF NECESSARY, THE CONTAMINATED STORMWATER WILL BE HELD ON SITE UNTIL IT MEETS LOCAL, STATE AND FEDERAL REGULATIONS.
- IN THE EVENT OF A SPILL THE FOLLOWING PROCEDURES MUST BE FOLLOWED:
 - ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
 - THE PROJECT MANAGER AND ENGINEER OF RECORD IMMEDIATELY NOTIFIED.
 - ANY SPILLS OF TOXIC OR HAZARDOUS MATERIALS MUST BE REPORTED TO THE APPROPRIATE LOCAL, STATE AND FEDERAL AGENCY. THE EPA NATIONAL RESPONSE CENTER (1-800-424-8802) MUST BE NOTIFIED WHEN A SPILL EXCEEDS THE REPORTABLE QUANTITY OF A SUBSTANCE. THE SUBSTANCES AND AMOUNTS ARE LOCATED IN FEDERAL REGULATIONS (40 CFR 110, 114 AND 302).
 - IF A SPILL EXCEEDS A REPORTABLE QUANTITY, THE SWPP PLAN MUST BE MODIFIED WITHIN 7 DAYS PROVIDING A DESCRIPTION, DATE AND INCIDENT OF THE RELEASE.

- PRODUCT SPECIFIC PRACTICES:**
- PETROLEUM - PETROLEUM PRODUCTS WILL BE STORED IN CLEARLY LABELED TIGHTLY SEALED CONTAINERS. ANY ON SITE PETROLEUM STORAGE TANKS WILL HAVE A CONTAINMENT STRUCTURE AROUND IT FOR POTENTIAL SPILLS. DRIP PANS SHALL BE PROVIDED FOR ALL DISPENSERS. MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED WHEN ANY ASPHALT SUBSTANCES ARE USED ON SITE.
 - FERTILIZERS - THE MANUFACTURER'S RECOMMENDED MINIMAL AMOUNTS SHALL BE APPLIED AND WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER. THE CONTENTS OF ANY PARTIALLY USED BAGS WILL BE TRANSFERRED TO SEALABLE PLASTIC BINS AND STORED UNDER COVER, AWAY FROM STORMWATER DRAINAGE WAYS.



SOILS MAP



LEGEND

- CONSTRUCTION LIMITS
- CONSTRUCTION ENTRANCE
- PROPOSED CONTOUR
- EXISTING CONTOURS
- SILT SOCK
- SILT FENCE
- DIVERSION CHANNEL
- WETLAND PROTECTION FENCE
- EXIST
- PROP
- CONCRETE WASHOUT
- INLET PROTECTION
- SURFACE FLOW ARROW

SITE LOCATION INFORMATION

LATITUDE: N 041.486869"
 LONGITUDE: W 081.696978"

CITY OF CLEVELAND CITY, VILLAGE, TOWNSHIP
 CUYAHOGA COUNTY
 OHIO STATE

NAME OF WATERSHED/IMMEDIATE RECEIVING WATER (S)
 2050 W 18TH STREET CLEVELAND, OH 44113
 SITE ADDRESS

TREMONT WEST DEVELOPMENT CORPORATION DEVELOPER
 216 575 0920 PHONE

2406 PROFESSOR AVE, CLEVELAND, OH 44113
 DEVELOPER ADDRESS

HYDROLOGIC SOIL GROUPS:

UeA Urban land-Elnora complex

SITE DESCRIPTION (MARK ONE)

SUBDIVISION ()	TOTAL AREA	-	0.86 Ac.
COMMERCIAL ()	PRE-DEV RUNOFF COEFF	-	0.67
RESIDENTIAL ()	POST DEV RUNOFF COEFF	-	0.73
PUD ()	AREA TO BE CLEARED	-	0.2 Ac.
OTHER (X) ALLEY	AREA TO BE EXCAVATED	-	0.17 Ac.
	PRE-DEV IMPERVIOUSNESS	-	52.3%
	POST DEV IMPERVIOUSNESS	-	65.6%

SCHEDULE OF MAJOR CONSTRUCTION OPERATIONS

	2016											
	J	F	M	A	M	J	J	A	S	O	N	D
CLEARING								●				
ROUGH GRADING								●				
UTILITIES								●				
FINE GRADING								●				
PAVING								●	●	●		
TOPSOIL AND SEEDING								●	●	●		
LANDSCAPING								●	●	●		
POST CONSTRUCTION BMPS								●	●	●		
TEMPORARY EROSION CONTROL								●	●	●		

ACCEPTABLE EROSION CONTROL TIMETABLE

	J	F	M	A	M	J	J	A	S	O	N	D
TEMPORARY SEEDING			●	●	●	●	●	●	●	●		
PERMANENT SEEDING			●	●	●	●	●	●	●	●		
LANDSCAPING			●	●	●	●	●	●	●	●	●	●
MULCHING	●	●	●	●	●	●	●	●	●	●	●	●
MAINTENANCE	●	●	●	●	●	●	●	●	●	●	●	●

NOT FOR CONSTRUCTION

Environmental Design Group
 450 GRANT STREET AKRON, OH 44311
 806 LITERARY ROAD 2ND FLOOR, SUITE 206 CLEVELAND, OH 44113
 T: 330.375.1390 F: 330.375.1590 WWW.ENVDESIGNGROUP.COM

811 Know what's below. Call before you dig.

WEST 19TH PLACE
 TREMONT WEST DEVELOPMENT CORPORATION



PERMIT REVIEW

DATE: _____

REVISIONS		
DATE	DESCRIPTION	

PROJECT NO.: 14-00325-010
 DRAWN BY: GCB / RS / KEH
 CHECKED BY: KGH
 DATE ISSUED: 2016/08/01

STORMWATER POLLUTION PREVENTION SPECIFICATIONS

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WEST 19TH PLACE
TREMONT WEST DEVELOPMENT CORPORATION

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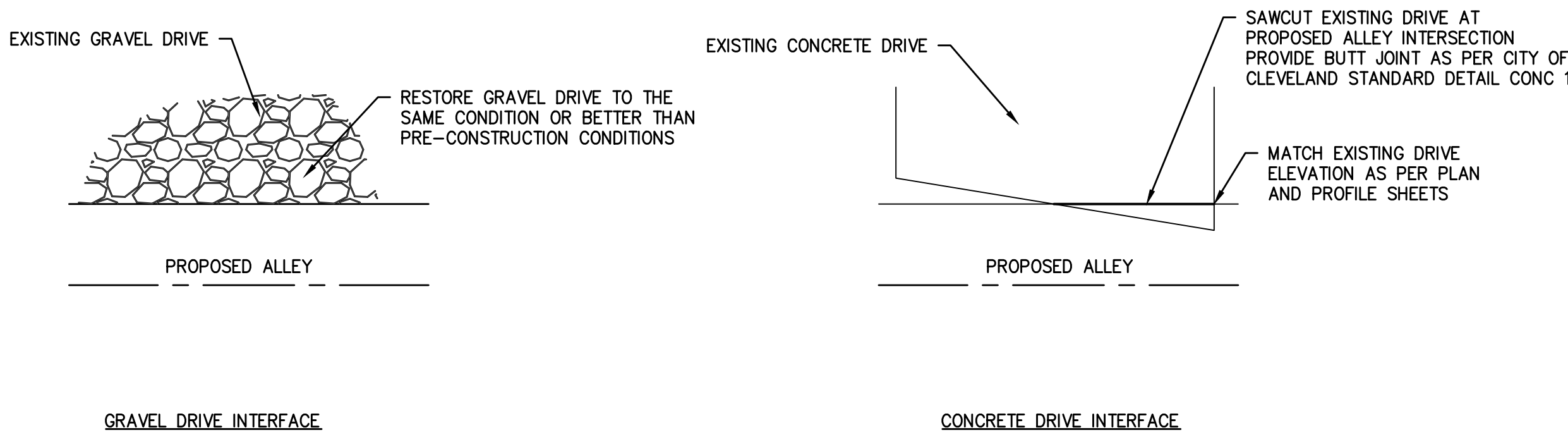
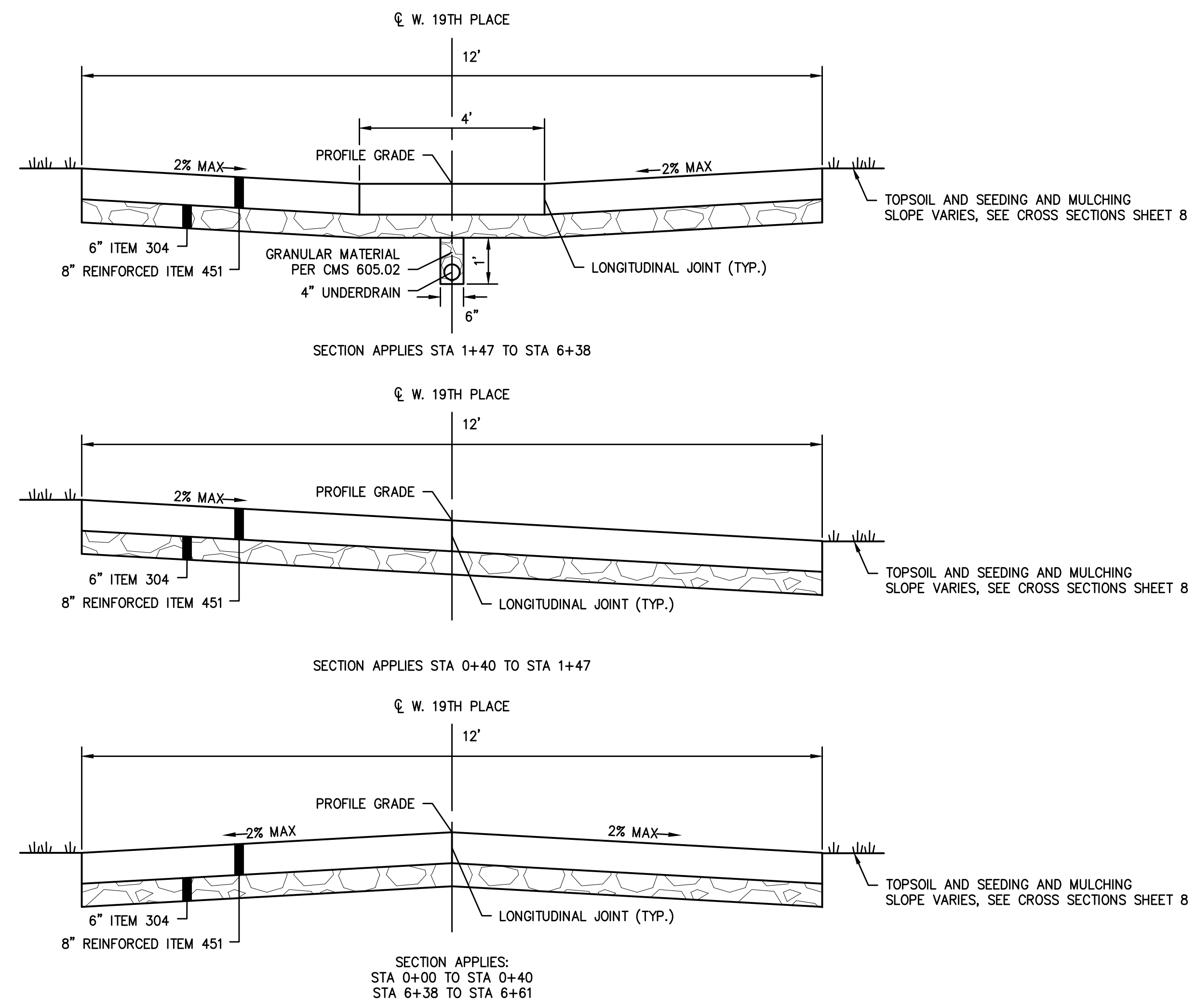
PERMIT REVIEW

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REVISIONS		
NO.	DATE	DESCRIPTION

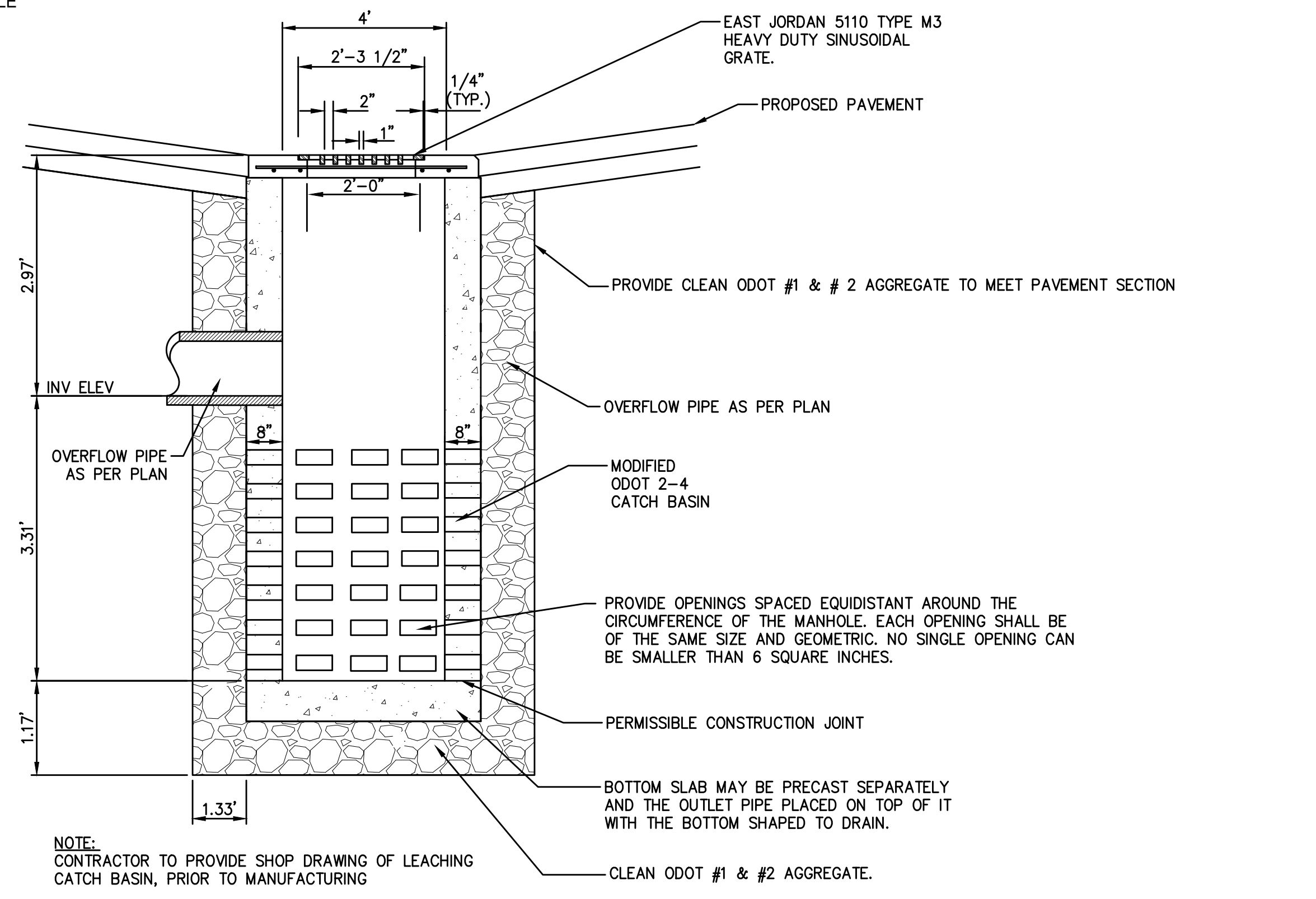
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 CHECKED BY: KGH
 DATE ISSUED: 2016/08/01

CONSTRUCTION DETAILS

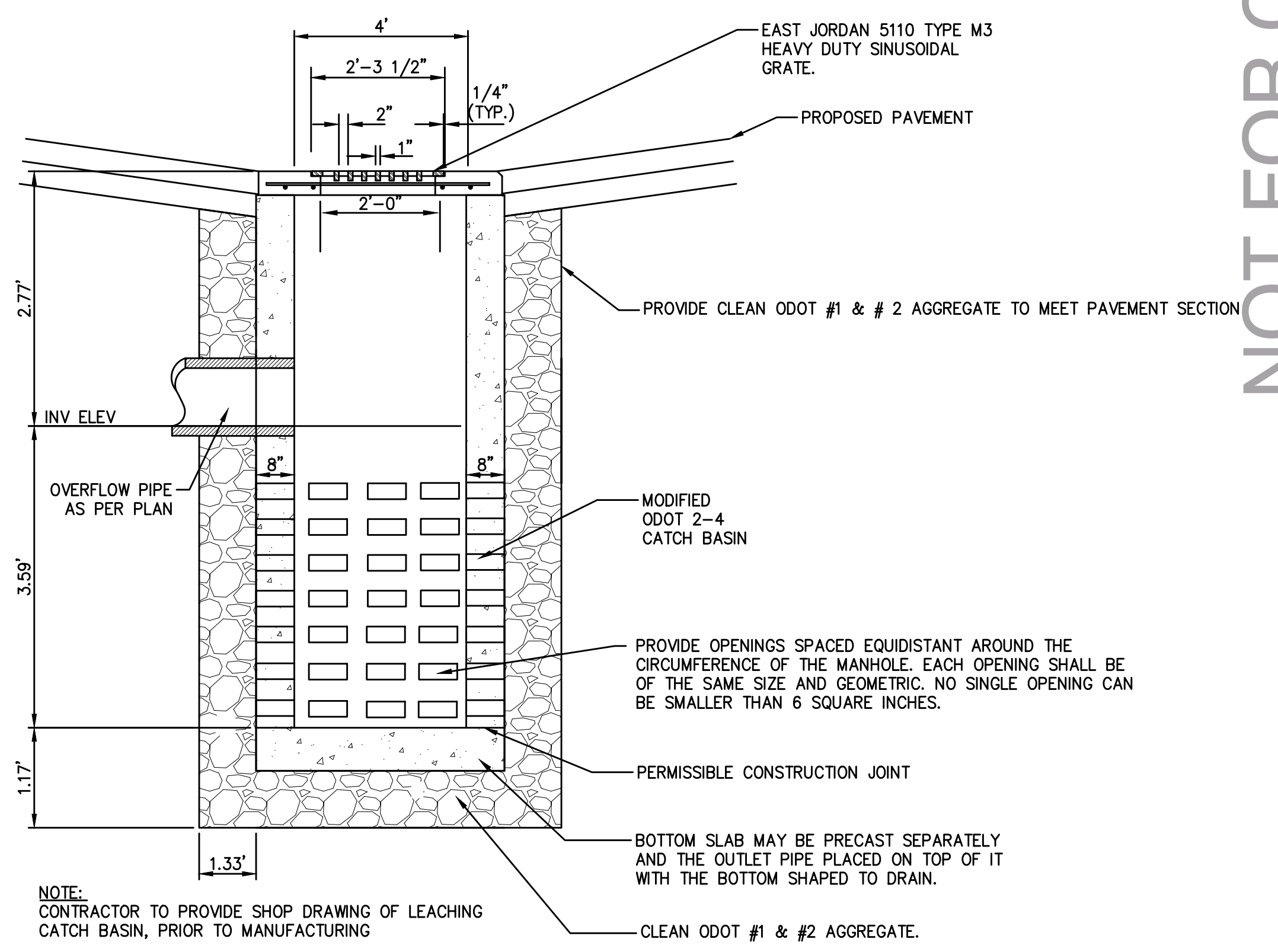


2 DRIVE INTERFACE DETAIL
 13 NOT TO SCALE

1 TYPICAL SECTION - ITEM SPECIAL, CONCRETE ALLEY
 13 NOT TO SCALE



3 LEACHING CATCH BASIN A
 13 NOT TO SCALE



4 LEACHING CATCH BASIN B
 13 NOT TO SCALE

TREMONT WEST DEVELOPMENT CORPORATION 14-00325-010 W. 19TH PL GREEN ALLEY DESIGN SERVICES CAD/DRAWING 14-00325-010-7/15/2016 3:26:44 PM



WEST 19TH PLACE
TREMONT WEST DEVELOPMENT CORPORATION



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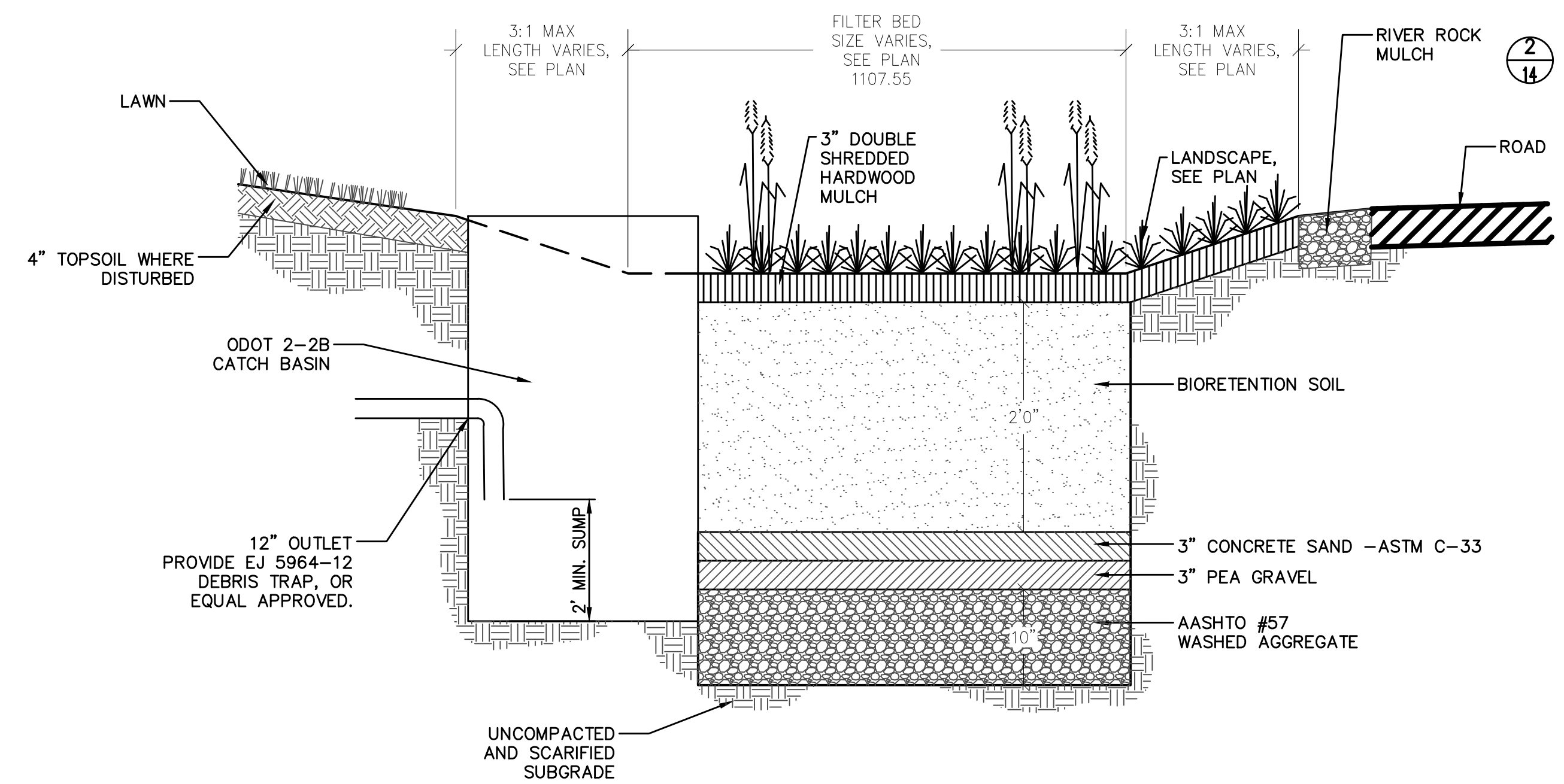
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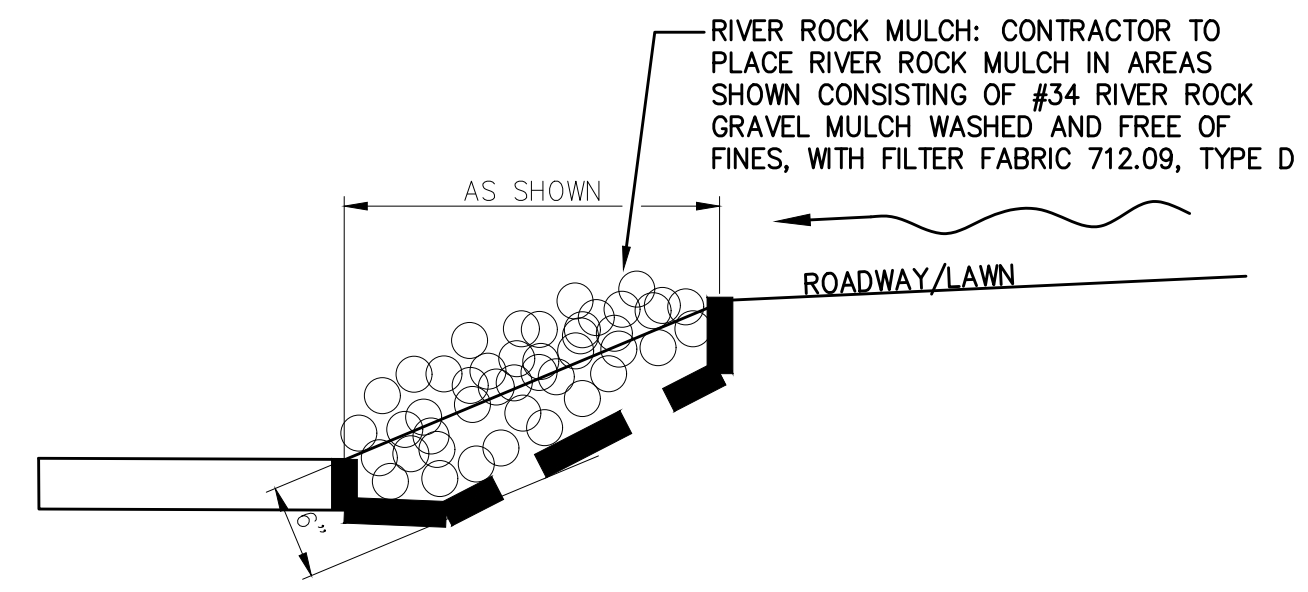
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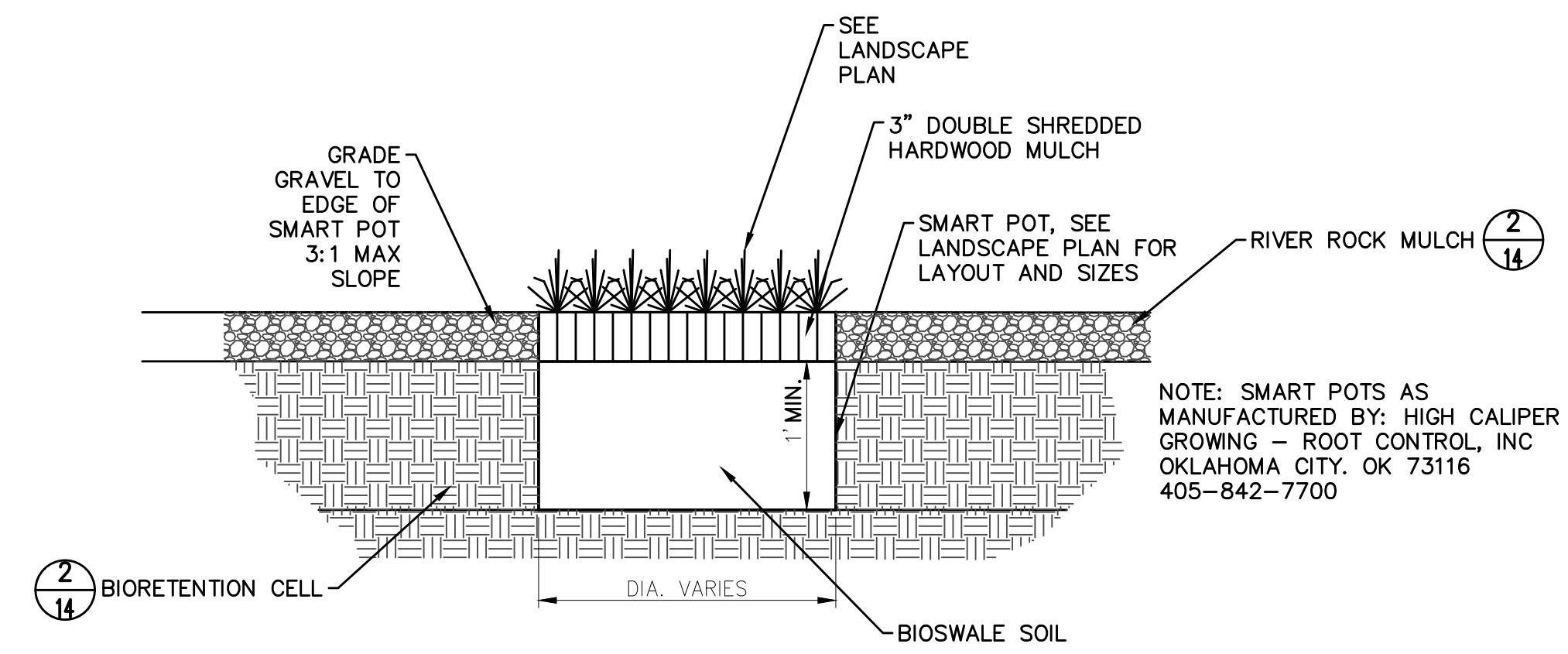
GREEN INFRASTRUCTURE DETAILS



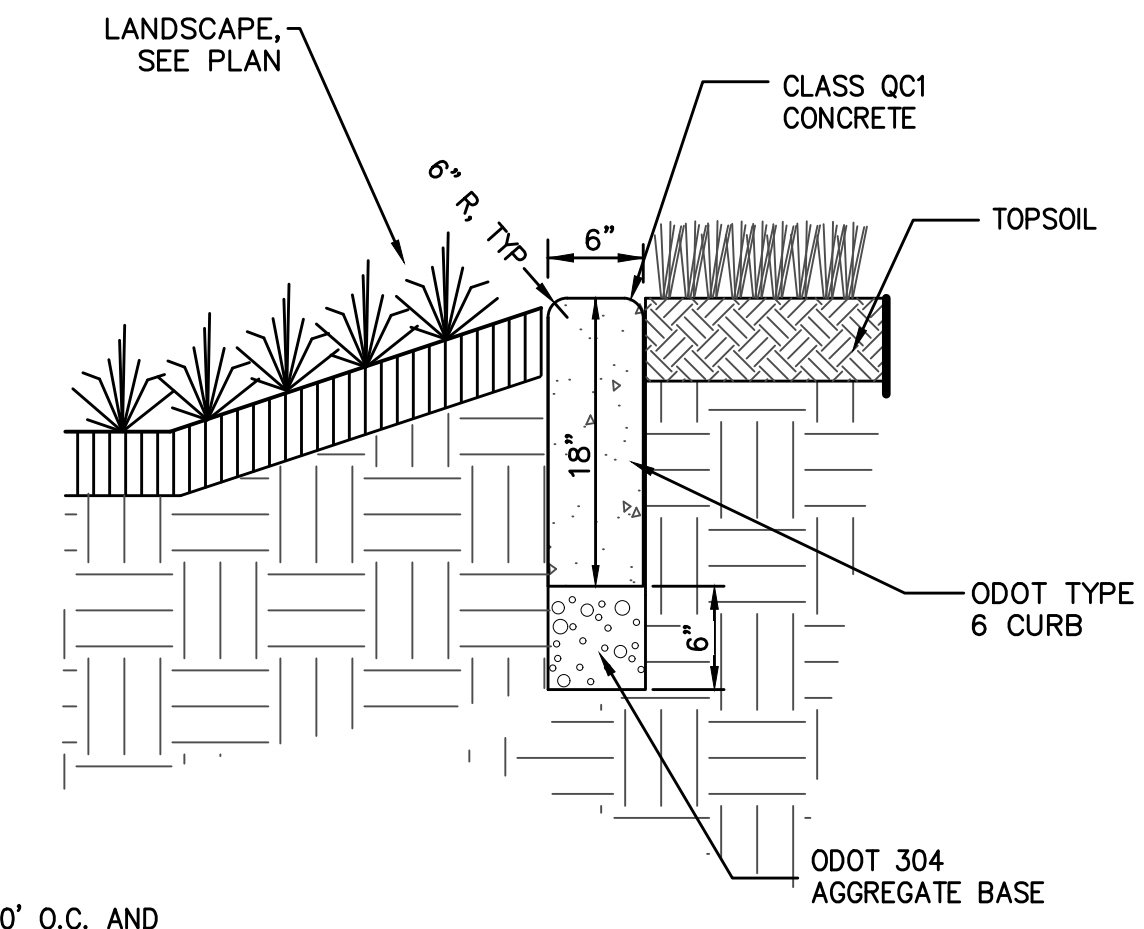
1 BIORETENTION CELL
 14 NOT TO SCALE



2 RIVER ROCK MULCH
 14 NOT TO SCALE



3 SMART POT DETAIL
 14 NOT TO SCALE



4 FLUSH CONCRETE CURB
 14 NOT TO SCALE

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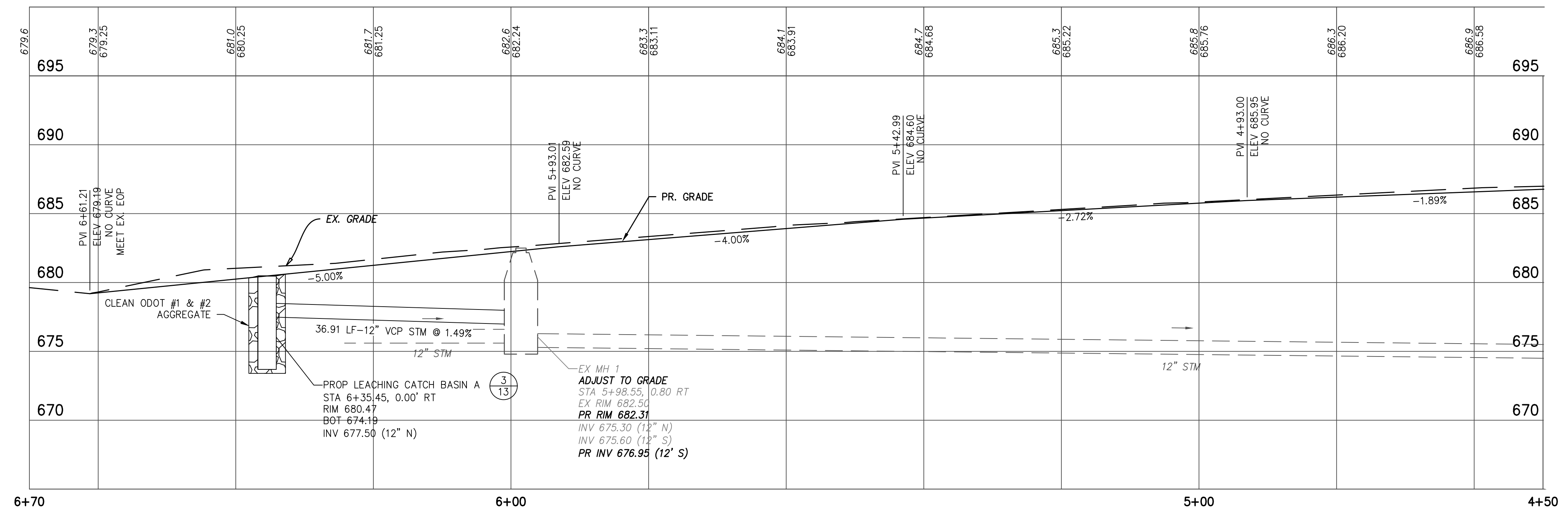
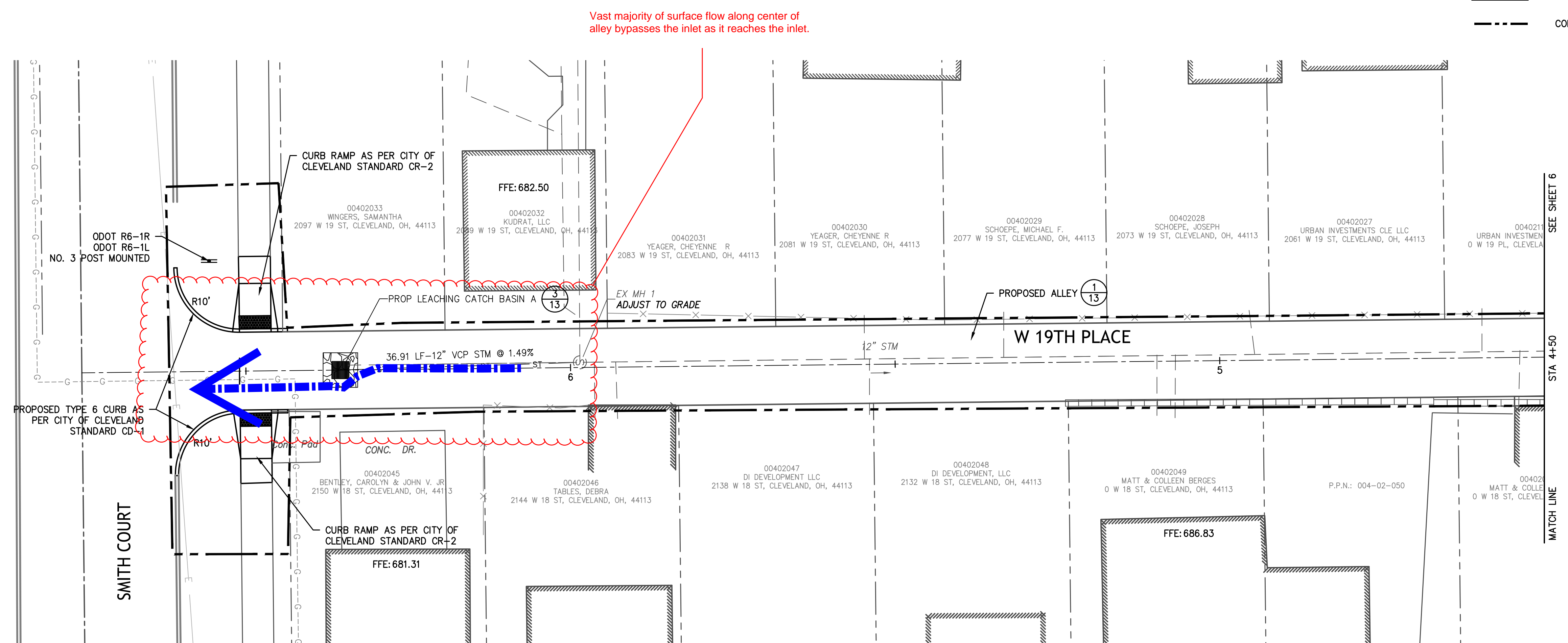


WEST 19TH PLACE
TREMONT WEST DEVELOPMENT CORPORATION



NOT FOR CONSTRUCTION

LEGEND
 - - - - - CONSTRUCTION LIMITS



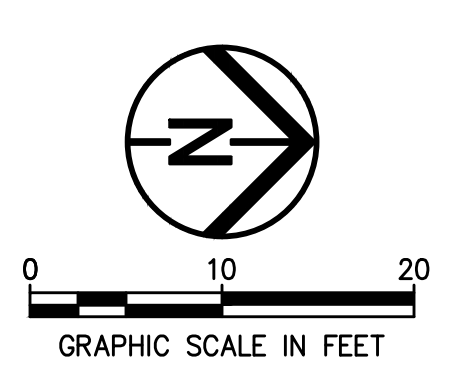
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PLAN AND PROFILE

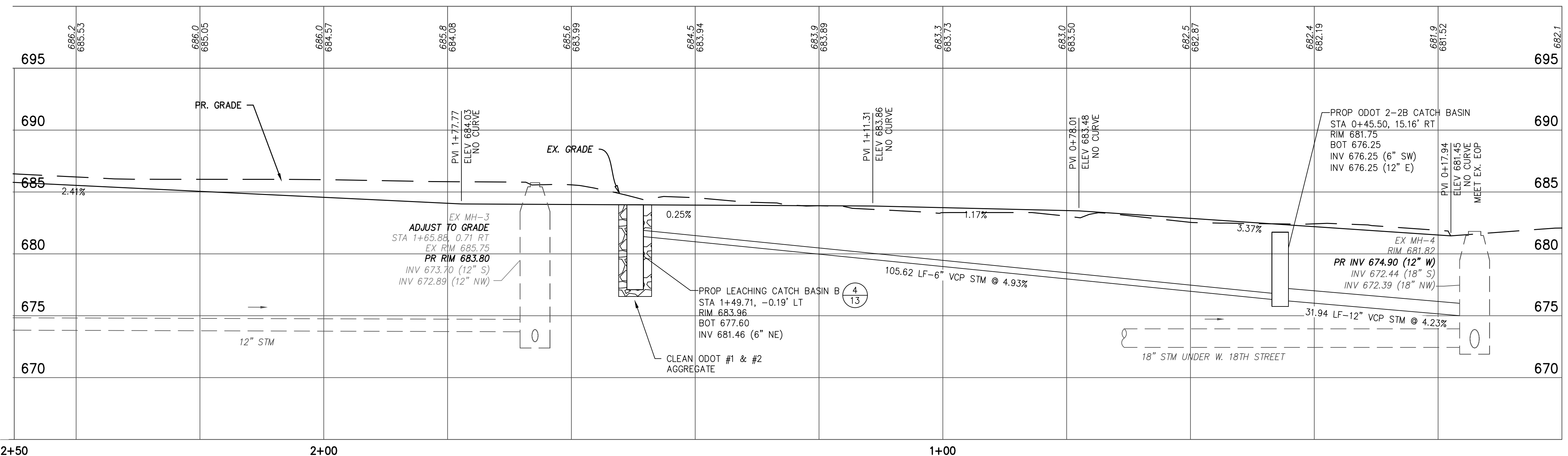
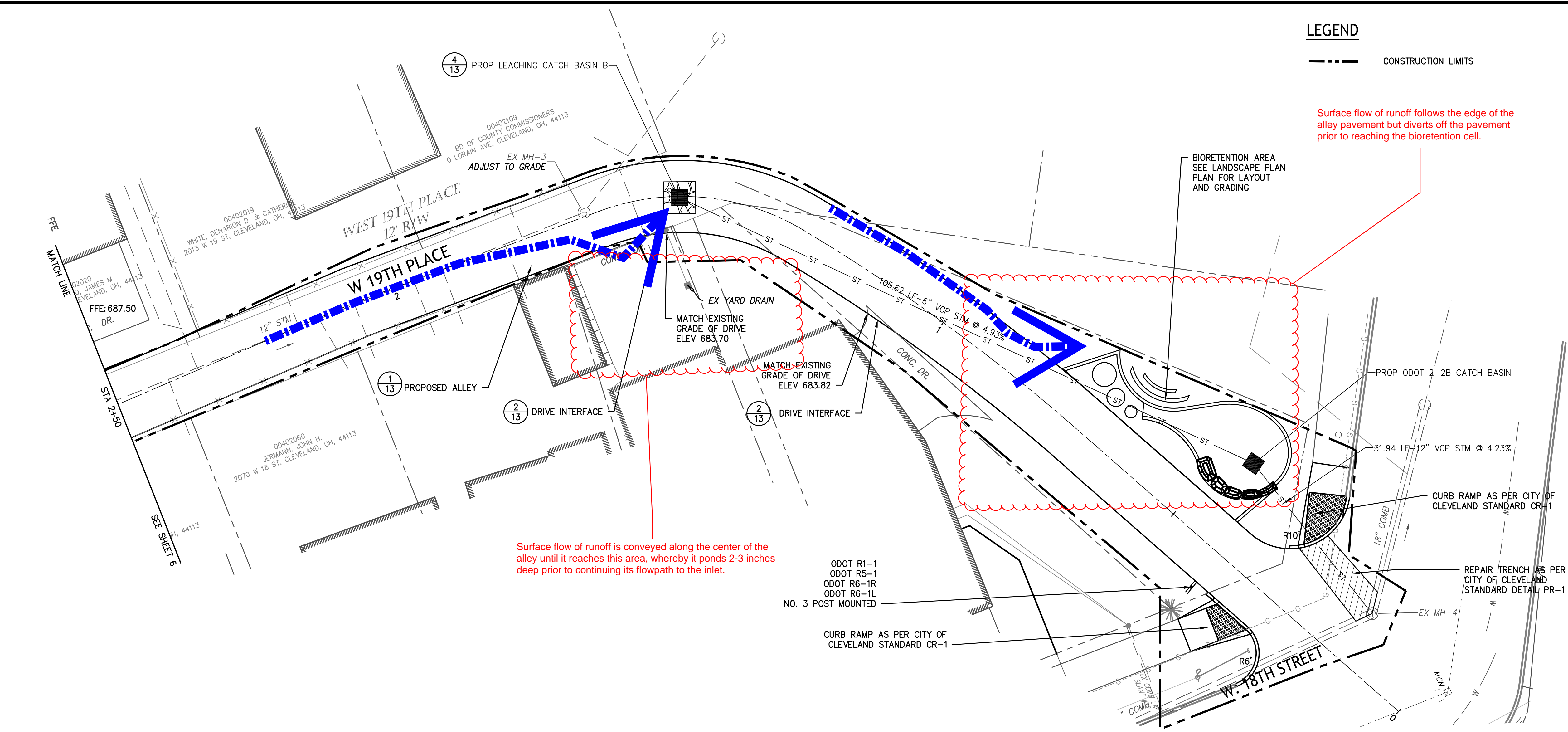


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LEGEND

--- CONSTRUCTION LIMITS

Surface flow of runoff follows the edge of the alley pavement but diverts off the pavement prior to reaching the bioretention cell.



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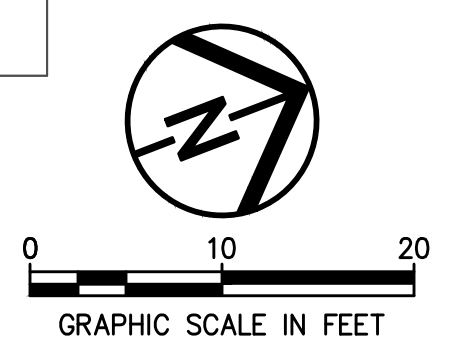
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