

CITY OF CLEVELAND
MAYOR'S OFFICE OF CAPITAL PROJECTS
DIVISION OF ENGINEERING AND CONSTRUCTION

CUY-WEST SIXTH STREET STREETSCAPE (PART 1)

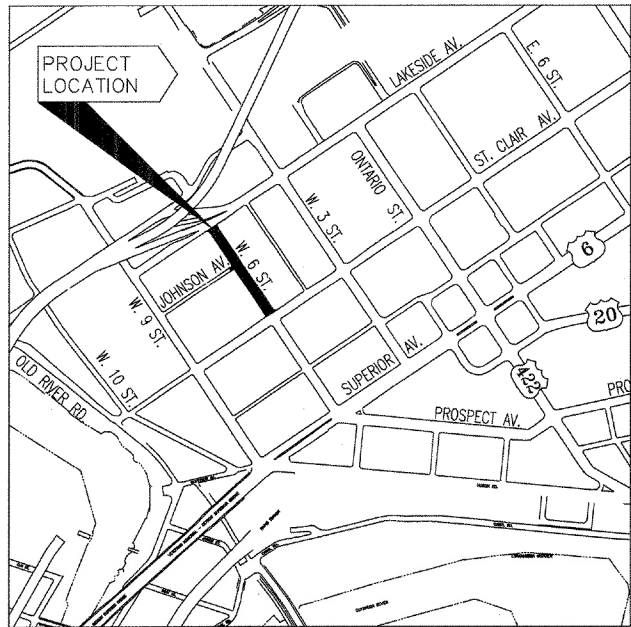
FOR PART 2, SEE CUY-PROFESSOR STREET INTERSECTIONS

FRANK G. JACKSON, MAYOR

MARTIN J. SWEENEY, PRESIDENT OF COUNCIL
JOE CIMPERMAN, COUNCILMAN, WARD 3

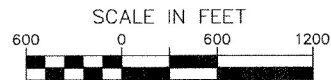
JOMARIE WASIK, P.S., DIRECTOR OF MAYOR'S OFFICE OF CAPITAL PROJECTS

BARRY A. WITHERS, DIRECTOR OF PUBLIC UTILITIES



LOCATION MAP

LATITUDE: 41°30'00" LONGITUDE: 81°42'00"



PORTION TO BE IMPROVED _____
U.S. ROUTE _____
LOCAL ROADS _____

DESIGN DESIGNATION

CURRENT ADT (2011) _____ 6850
DESIGN YEAR ADT (2031) _____ 6850
DESIGN SPEED _____ 25 MPH
LEGAL SPEED _____ 25 MPH
DESIGN FUNCTIONAL CLASSIFICATION _____ URBAN LOCAL
NHS PROJECT _____ NO

DESIGN EXCEPTIONS

NONE REQUIRED



PLANS PREPARED BY



LANDSCAPING PLANS PREPARED BY



ENGINEER'S SEAL:
FOR SHEETS 1 TO 32&36

SIGNED: _____
DATE: _____

LANDSCAPE ARCHITECT'S SEAL:
FOR SHEETS 32, 33, 35

SIGNED: _____
DATE: _____

PARTS 1 AND 2

STANDARD CONSTRUCTION DRAWINGS
CITY OF CLEVELAND

NUMBER	DATE		
MH-1	7-8-08		
CB-1	7-8-08		
MB-1C	7-8-08		
445M			

UNDERGROUND UTILITIES

2 WORKING DAYS
BEFORE YOU DIG

Call... 800-362-2764 (Toll Free)
OHIO UTILITIES PROTECTION SERVICE

NON-MEMBERS
MUST BE CALLED DIRECTLY

Call... 800-925-0988 (Toll Free)
OIL AND GAS PRODUCERS
UNDERGROUND PROTECTION SERVICE

STANDARD CONSTRUCTION DRAWINGS - O.D.O.T. SUPPLEMENTAL SPECIFICATIONS

NUMBER	DATE	NUMBER	DATE	NUMBER	DATE	NUMBER	DATE
DM-1.1	7-20-12	TC-41.20	1-19-01	MT-97.11	7-20-12	800	7-20-12
		TC-41.40	7-16-04	MT-105.10	7-20-12	832	5-5-09
DM-4.4	7-20-12	TC-41.50	1-19-07				
CB-1.1	7-20-12	TC-42.20	1-21-11				
BP-1.1	7-28-00	TC-52.10	1-19-07				
BP-2.1	7-18-08	TC-52.20	1-19-07				
BP-2.2	7-18-08						
BP-3.1	4-20-12	TC-71.10	4-20-12				
BP-5.1	7-28-00						
LA-1.1	10-15-10						

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PROJECT DESCRIPTION

THE ENHANCEMENT OF WEST SIXTH STREET FROM WEST LAKESIDE AVENUE TO WEST ST. CLAIR AVENUE, INCLUDING ASPHALT OVERLAY, CURB BUMP-OUTS, DECORATIVE CROSSWALKS, AND ASSOCIATED LANDSCAPING.

2010 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THE PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND SPECIFICATIONS.

APPROVED: *R.J. Switalski*
DATE: 8/15/12
RICHARD J. SWITALSKI, P.E.
ADMINISTRATION BUREAU MANAGER
DIVISION OF ENGINEERING AND CONSTRUCTION

APPROVED: *Alex Margevicius*
DATE: 8/27/12
ALEX MARGEVICIUS
ACTING COMMISSIONER, DIVISION OF WATER

APPROVED: _____
DATE: 8-24-12
ROBERT MAVEC
COMMISSIONER, DIVISION OF
TRAFFIC ENGINEERING

APPROVED: *Rachid Zoghail*
DATE: 8/24/12
RACHID ZOGHAIB, P.E.
COMMISSIONER, DIVISION OF WATER
POLLUTION CONTROL

APPROVED: *James Ferguson*
DATE: 8/15/12
JAMES FERGUSON
CHIEF, STREET LIGHTING BUREAU

APPROVED: _____
DATE: _____
GREG ESBER, P.S.
CHIEF SURVEYOR, DIVISION OF ENGINEERING
AND CONSTRUCTION

APPROVED: *Khalil Ewais*
DATE: 8/27/12
KHALIL EWAIS, P.E.
CONSTRUCTION SECTION CHIEF, DIVISION
OF ENGINEERING AND CONSTRUCTION

APPROVED: *Thomas P. Boyer*
DATE: 8/24/12
THOMAS P. BOYER, P.E.
DESIGN SECTION CHIEF, DIVISION
OF ENGINEERING AND CONSTRUCTION

APPROVED: *Martin Reese*
DATE: 8/24/12
MARTIN REESE, P.E., MPA, CONSULTING ENGINEER
DIVISION OF ENGINEERING AND CONSTRUCTION

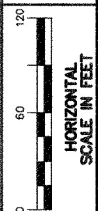
FEDERAL PROJECT NO.
E110(604)

PO NO.
89722

CITY PROJECT NO.
M-1092

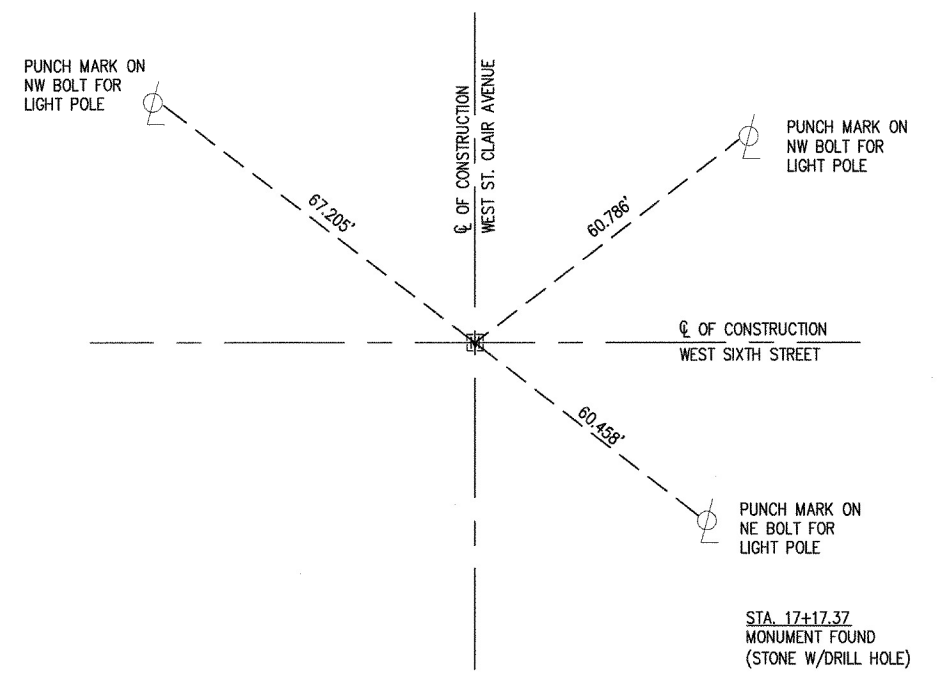
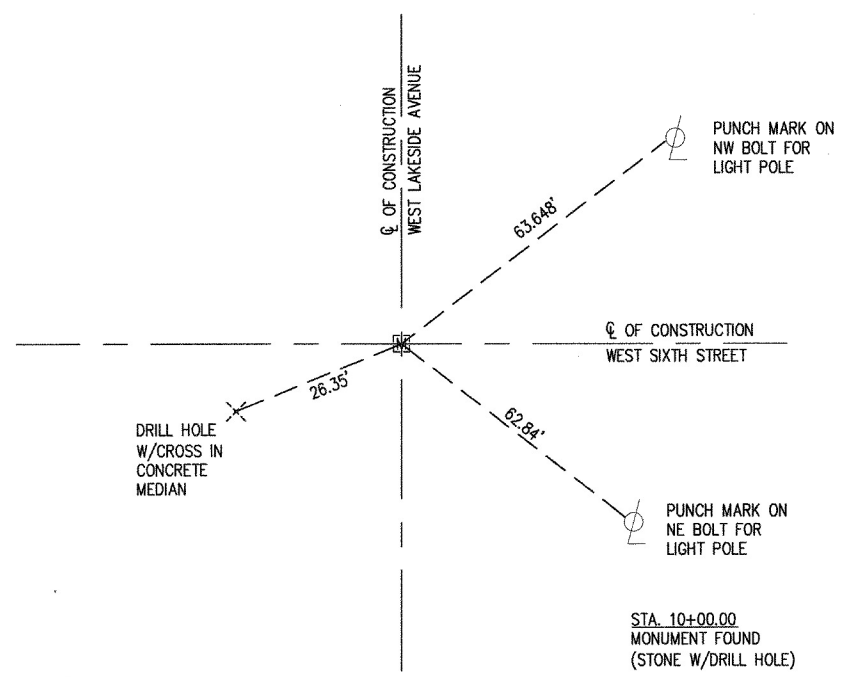
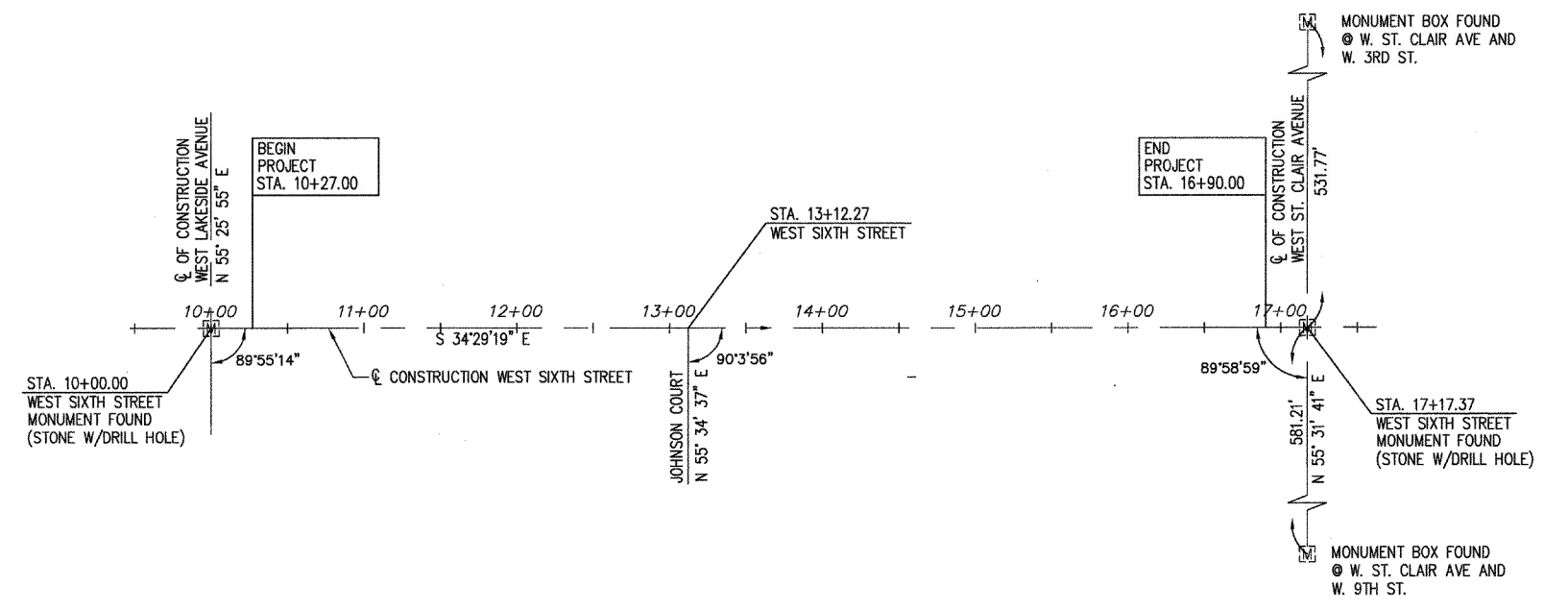
HAZARDOUS WASTE
NONE

CUY-WEST SIXTH STREET STREETSCAPE



SCHEMATIC PLAN

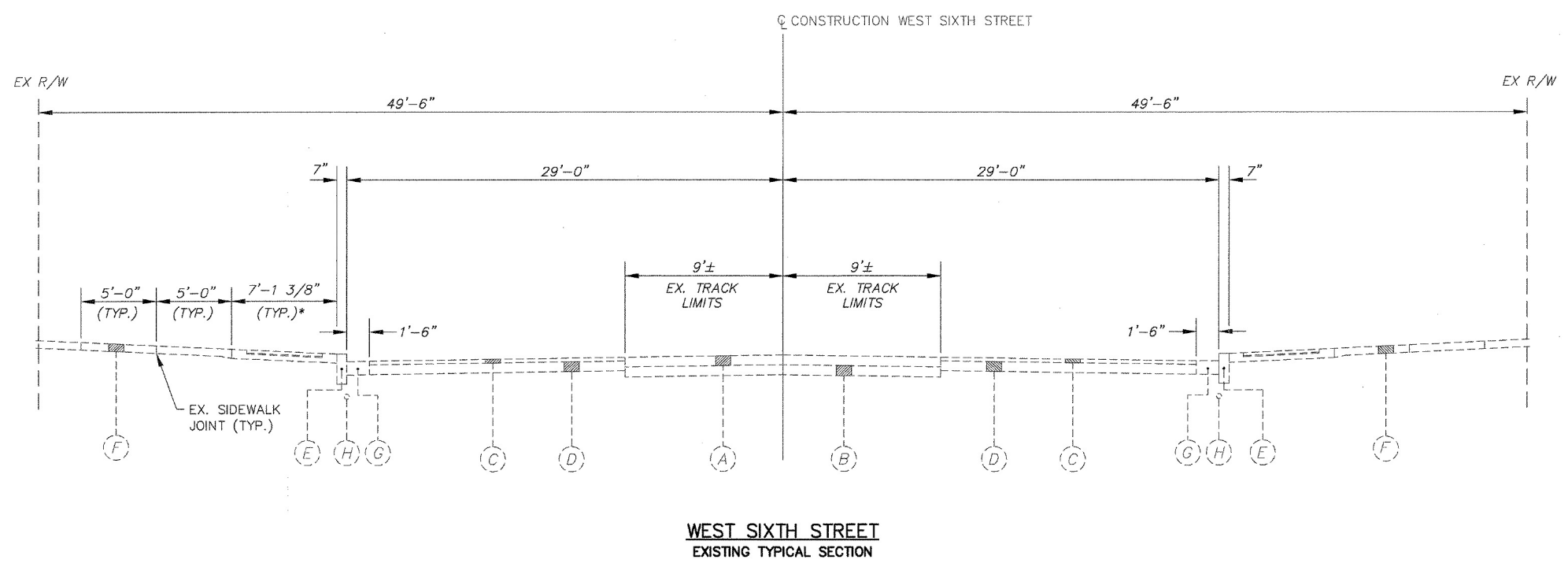
CUY-WEST SIXTH STREET STREETScape



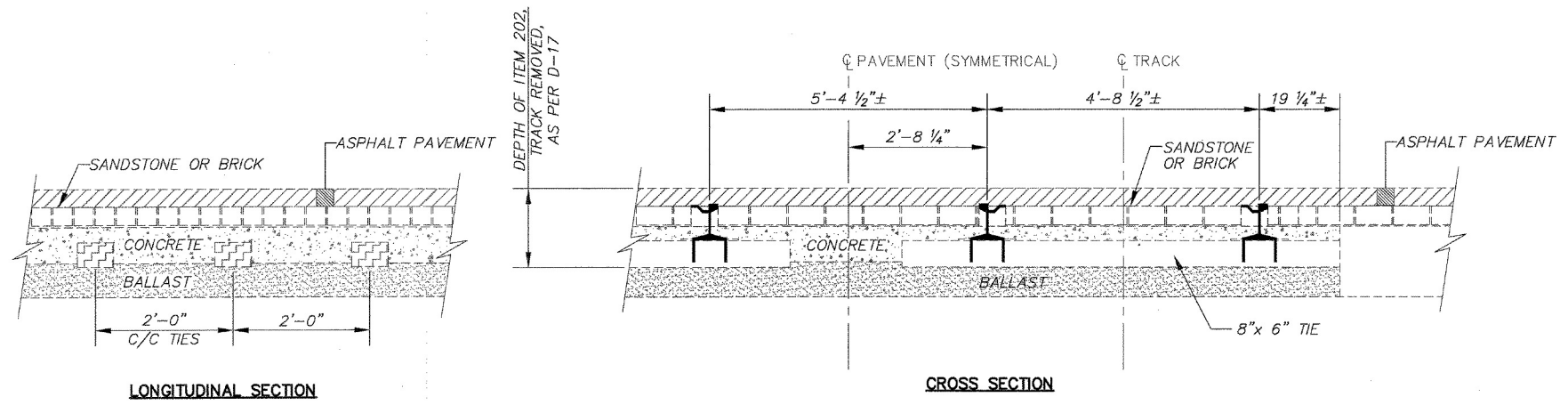
EXISTING LEGEND

- (A) 2" - 10" ASPHALT CONCRETE
- (B) 6 1/2" - 7 3/4" CONCRETE
- (C) 2" - 7" ASPHALT
- (D) 6" - 13" CONCRETE
- (E) GRANITE CURB
- (F) 6" CONCRETE WALK
- (G) 9" CONCRETE GUTTER
- (H) 4" PVC UNDERDRAIN

* = EXISTING "AMENITY STRIP", CONSISTING OF TREE PITS W/CAST IRON TREE GRATES AND 2 1/4" SANDSTONE PAVERS ON 4" CONCRETE BASE W/7" THICK CONCRETE BORDER.



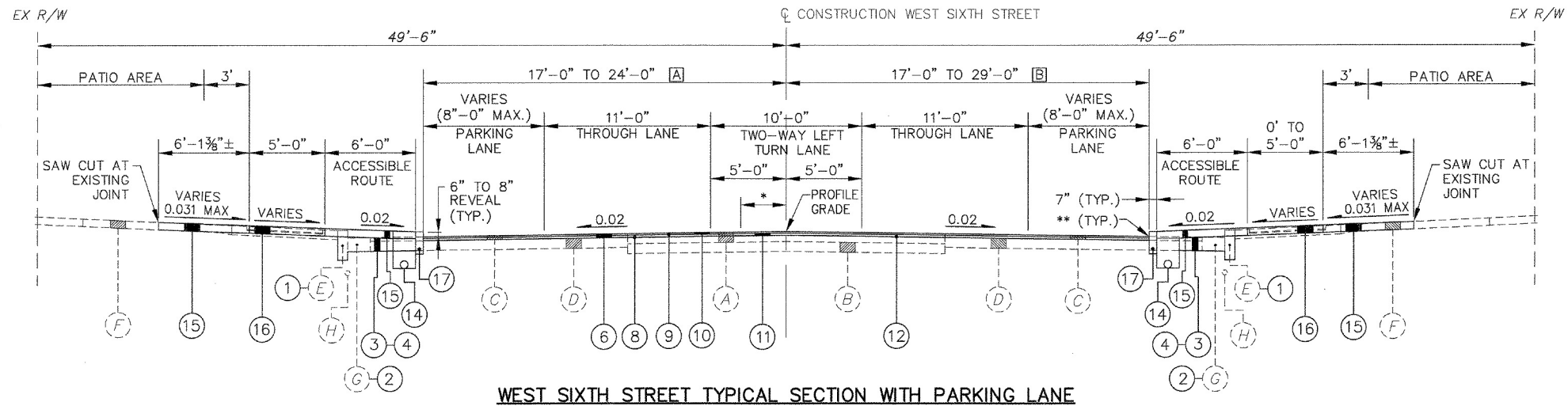
**WEST SIXTH STREET
EXISTING TYPICAL SECTION**



**EXISTING BURIED TRACK REMOVAL DETAIL
(SEE NOTE 1)**

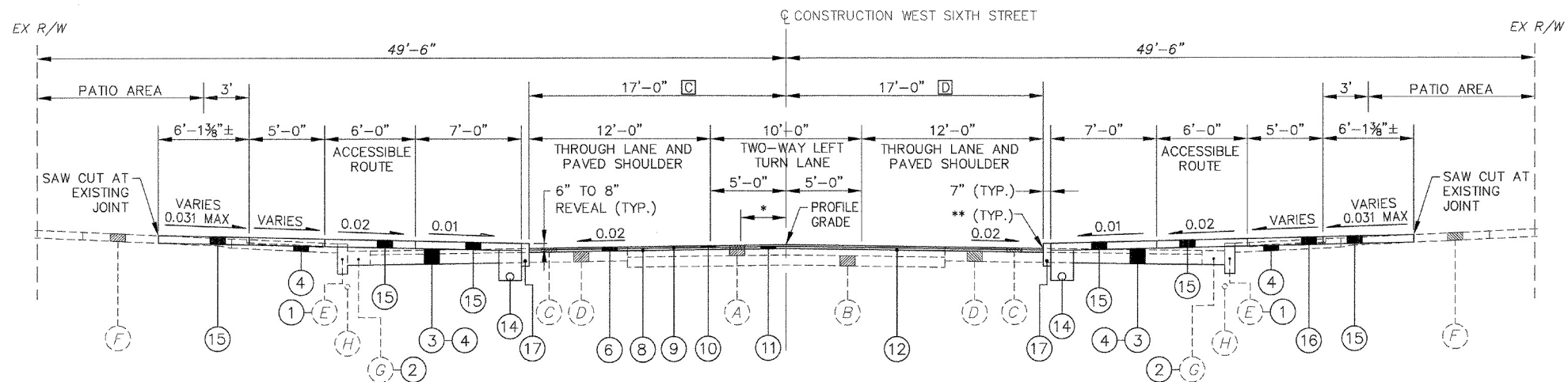
NOTES:

1. PAVEMENT CORES INDICATE THAT STREETCAR TRACKS NO LONGER EXIST WITHIN THE PROJECT LIMITS.
2. THE EXISTING TRACK INFORMATION SHOWN ON THIS DETAIL IS REPRESENTATIVE OF TRACKS THAT WERE INSTALLED WITHIN THE VICINITY OF THIS PROJECT AND IS NOT GUARANTEED.



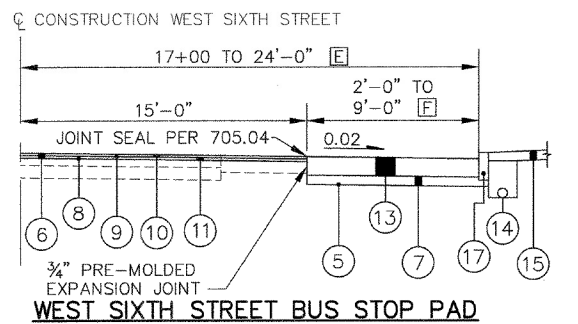
WEST SIXTH STREET TYPICAL SECTION WITH PARKING LANE

STATION TO STATION	[A]	STATION TO STATION	[B]
10+58.50 TO 10+65.50	17'-0" TO 24'-0"	10+55.00 TO 11+15.00	29'-0" TO 24'-0"
10+65.50 TO 12+58.00	24'-0"	11+15.00 TO 11+87.00	24'-0"
12+58.00 TO 12+65.00	24'-0" TO 17'-0"	13+69.00 TO 13+76.00	17'-0" TO 24'-0"
13+58.00 TO 13+65.00	17'-0" TO 24'-0"	13+76.00 TO 16+51.00	24'-0"
13+65.00 TO 14+57.00	24'-0"	16+51.00 TO 16+58.00	24'-0" TO 17'-0"
14+57.00 TO 14+64.00	24'-0" TO 17'-0"		
15+06.00 TO 15+13.00	17'-0" TO 24'-0"		
15+13.00 TO 16+51.00	24'-0"		
16+51.00 TO 16+58.00	24'-0" TO 17'-0"		



WEST SIXTH STREET TYPICAL SECTION WITH BUMPOUT

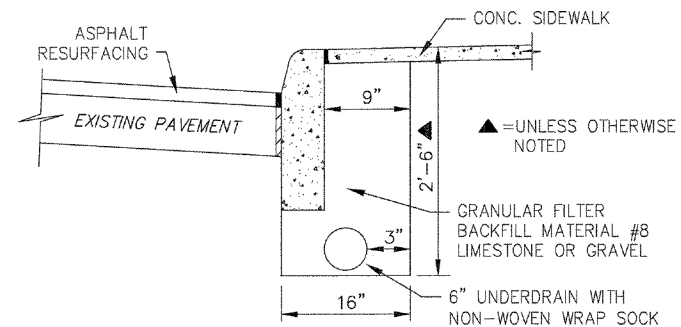
[C] = 10+27.00 TO 10+58.50	[D] = 12+87.32 TO 13+69.00
12+65.00 TO 13+58.00	16+58.00 TO 16+90.00
14+64.00 TO 15+06.00	
16+58.00 TO 16+90.00	



WEST SIXTH STREET BUS STOP PAD

STATION TO STATION	[E]	[F]
11+87.00 TO 12+80.32	24'-0"	9'-0"
12+80.32 TO 12+87.32	24'-0" TO 17'-0"	9'-0" TO 2'-0"

(SEE WEST SIXTH STREET TYPICAL SECTION WITH BUMPOUT FOR ADDITIONAL INFORMATION)



ITEM 605, 6" UNCLASSIFIED PIPE UNDERDRAIN WITH FABRIC SOCK

EXISTING LEGEND

- (A) 2" - 10" ASPHALT CONCRETE
- (B) 6 1/2" - 7 3/4" CONCRETE
- (C) 2" - 7" ASPHALT
- (D) 6" - 13" CONCRETE
- (E) GRANITE CURB
- (F) CONCRETE WALK
- (G) CONCRETE GUTTER
- (H) 4" PVC UNDERDRAIN

PROPOSED LEGEND

- (1) ITEM 202, REMOVAL, MISC.: GRANITE CURB REMOVED FOR REUSE, AS PER DS-1
- (2) ITEM 202, GUTTER REMOVED
- (3) ITEM 202, PAVEMENT REMOVED
- (4) ITEM 203, EMBANKMENT
- (5) ITEM 204, SUBGRADE COMPACTION
- (6) ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE AS PER DS-11 (T=3")
- (7) ITEM 304, 6" AGGREGATE BASE
- (8) ITEM 407, TACK COAT, TRACKLESS TACK, INTERMEDIATE COURSE, AS PER DS-12, @ 0.10 GAL/SY
- (9) ITEM 407, TACK COAT, TRACKLESS TACK, SURFACE COURSE, AS PER DS-12, @ 0.05 GAL/SY
- (10) ITEM 448, 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER D-29
- (11) ITEM 448, 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, AS PER D-29
- (12) ITEM 448, 0" MIN. ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, AS PER D-29
- (13) ITEM 452, 10" NON-REINFORCED CONCRETE PAVEMENT, AS PER D-23
- (14) ITEM 605, 6" UNCLASSIFIED PIPE UNDERDRAINS WITH FABRIC SOCK, AS PER DS-10
- (15) ITEM 608, 6" CONCRETE WALK, AS PER D-23 AND DS-7
- (16) ITEM 608, 6" CONCRETE WALK, AS PER D-23 AND DS-7 OR REFER TO STREETSCAPE PLANS
- (17) ITEM 609, CURB, MISC.: GRANITE CURB RESET AS PER DS-14 OR ITEM 609, CURB, TYPE 6, AS PER DS-13

* = WEST SIXTH STREET PAVEMENT CROWN IS 3' LT. FROM STA. 10+27 TO STA. 11+00 AND TAPERS FROM 3' LT. TO CENTERLINE CONSTRUCTION BETWEEN STA. 11+00 AND STA. 11+50.

** = FULL DEPTH SAW CUT EXISTING PAVEMENT ALONG THE FACE OF THE PROPOSED CURB LOCATION. SAW CUTTING IS INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 202, PAVEMENT REMOVED. SEAL GUTTER WITH ODOT 705.04.

GENERAL

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AT&T 13630 LORAIN AVENUE - 2ND FLOOR CLEVELAND, OHIO 44111 ATTN.: JAMES JANIS DESIGN MANAGER PHONE: (216) 476-6142 FAX: (216) 476-6013

CITY OF CLEVELAND DIVISION OF PUBLIC POWER 1300 LAKESIDE AVENUE CLEVELAND, OHIO 44114 ATTN.: CHRIS HIRZEL PHONE: (216) 664-3922, EXT. 115 FAX: (216) 664-2972

CITY OF CLEVELAND DIVISION OF WATER POLLUTION CONTROL 12302 KIRBY ROAD CLEVELAND, OHIO 44108 ATTN.: RACHID ZOUGHAIB PHONE: (216) 664-3785

CITY OF CLEVELAND DIVISION OF WATER 1201 LAKESIDE AVENUE CLEVELAND, OHIO 44114 ATTN.: GUY SINGER PHONE: (216) 664-2444, EXT. 5555 FAX: (216) 664-2378

CALL OHIO UTILITIES PROTECTION SERVICE TWO (2) WORKING DAYS BEFORE YOU DIG TOLL FREE NO. 1-800-362-2764 (NON-MEMBERS MUST BE CALLED DIRECTLY)

DOMINION EAST OHIO GAS COMPANY 320 SPRINGSIDE DRIVE FAIRLAWN, OHIO 44333 ATTN.: ED GOUBEUX PROJECT MANAGER PHONE: (330) 664-2484 FAX: (330) 604-7482 E-MAIL: edward.t.goubeaux@dom.com

ILLUMINATING COMPANY 6896 MILLER ROAD BRECKSVILLE, OHIO 44141 ATTN.: MARK ROBINSON CONTRACT SPECIALIST PUBLIC WORKS COORDINATOR PHONE: (440) 717-6845 CELL: (440) 550-9001 FAX: (440) 546-8780 E-MAIL: robinsonme@firstenergycorp.com

NORTHEAST OHIO REGIONAL SEWER DISTRICT 3900 EUCLID AVENUE CLEVELAND, OHIO 44115-2504 ATTN.: GARY HOFFMAN PHONE: (216) 881-6600 FAX: (216) 881-2738

TIME WARNER CABLE 8179 DOW CIRCLE STRONGSVILLE, OHIO 44136 ATTN.: PAUL SILVESTRO PHONE: (216) 575-8016, EXT. 5034 FAX: (440) 826-2940

CALL OHIO OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OGPUPS) TOLL FREE NO. 1-800-925-0988

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC.

ELEVATION DATUM

ELEVATIONS SHOWN ARE BASED ON CLEVELAND REGIONAL GEODETIC SURVEY (C.R.G.S.) DATA. MONUMENTS ARE DESCRIBED IN THE PLANS.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL SUBSIDIARY AGREEMENT GOVERNING COMPLETION OF THIS PROJECT.

WORK HOURS AND NOISE CONTROL

THE CONTRACTOR SHALL RESTRICT HIS WORKING HOURS TO THOSE PERMITTED BY LOCAL ORDINANCES OR ANY OTHER APPLICABLE ORDINANCES, LAWS, OR REGULATIONS, EXCEPT AS HE MAY OBTAIN WRITTEN VARIANCES FROM SUCH ORDINANCES, LAWS, OR REGULATIONS FROM THE APPROPRIATE GOVERNING AUTHORITIES.

THE NOISE LEVEL RESULTING FROM THE CONSTRUCTION SHALL BE WITHIN THE LIMITS SPECIFIED IN OSHA REGULATIONS AND ALL LOCAL ORDINANCES.

STATIONING AND LOCATIONS

STATIONING AND LOCATIONS INDICATED ON THESE PLANS ARE APPROXIMATE. ALL LOCATIONS AND ITEMS CALLED OUT BY STATION ARE SUBJECT TO ADJUSTMENT IN THE FIELD "AS DIRECTED BY THE ENGINEER" AT NO ADDITIONAL COST.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

EXISTING TYPICAL SECTIONS

EXISTING TYPICAL SECTIONS HAVE BEEN DEVELOPED FROM SITE MEASUREMENTS, PAVEMENT CORES AND RECORD PLANS AND ARE BELIEVED TO REPRESENT THE WIDTH AND COMPOSITION OF THE EXISTING PAVEMENT, BUT THE CITY DOES NOT GUARANTEE THE ACCURACY OF SAME.

PROJECT SIGNS

THE FURNISHING AND ERECTION OF PROJECT SIGNS AS PER SUPPLEMENTAL GENERAL CONDITION C-11 OF THE BID DOCUMENTS IS REMOVED FOR THIS PROJECT.

TESTING OF CONSTRUCTION MATERIALS

THE CONTRACTOR SHALL PERFORM TESTING OF CONSTRUCTION MATERIALS. THIS WORK SHALL CONFORM TO DETAILED SPECIFICATION D-73 OF THE BID DOCUMENTS. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM SPECIAL, CONCRETE COMPRESSION, SLUMP, AIR CONTENT, AND TEMPERATURE CHECK TEST (FIELD), AS PER D-73 2 SET

ITEM SPECIAL, CONCRETE COMPRESSION, SLUMP, AIR CONTENT, AND TEMPERATURE CHECK TEST(LAB), AS PER D-73 2 EACH

ITEM SPECIAL, CONCRETE CORE SAMPLES FOR THE DETERMINATION OF CONCRETE COMPRESSIVE STRENGTH, AS PER D-73 1 EACH

ITEM SPECIAL, TECHNICIAN WITH NUCLEAR DENSITY METER, AS PER D-73 80 HOUR

ITEM SPECIAL, ASPHALT DENSITY TEST, AS PER D-73 5 EACH

ITEM SPECIAL, ASPHALT EXTRACTION TEST, AS PER D-73 5 EACH

ITEM SPECIAL, THICKNESS OF COMPACTED ASPHALT TEST, AS PER D-73 5 EACH

FIELD OFFICE, COMPUTER EQUIPMENT, AND MOBILE PHONE

THESE ITEMS SHALL BE PROVIDED AS PER THE DESCRIPTIONS CONTAINED IN THE BID DOCUMENTS. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 619, FIELD OFFICE, TYPE B, AS PER D-45 AND DS-33 6 MONTH

ITEM SPECIAL, MOBILE PHONE, AS PER D-45 6 MONTH

ITEM SPECIAL, COMPUTER EQUIPMENT REMAINING CONTRACTOR'S, AS PER DS-34 6 MONTH

WATER SUPPLY

WATER WILL BE SUPPLIED TO THE CONTRACTOR AT THE NEAREST HYDRANT. THE COST OF THE WATER SUPPLY SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMIT FROM THE CITY OF CLEVELAND WATER DEPARTMENT.

THE CONTRACTOR WILL BE REQUIRED TO PROVIDE APPROVED STANDARD TIGHT HOSE AND FITTINGS WITH WHICH TO MAKE CONNECTIONS TO HYDRANTS AND OUTLETS. NO IMPROPER, WASTEFUL, OR UNDUE USE OF WATER WILL BE PERMITTED.

ROADWAY

REMOVAL OF EXISTING STREETCAR TRACKS

RECORD DRAWINGS INDICATE THAT STREETCAR TRACKS AT ONE TIME EXISTED ON WEST SIXTH STREET WITHIN THE PROJECT LIMITS. HOWEVER, PAVEMENT CORES INDICATE THAT THESE TRACKS MAY HAVE BEEN REMOVED AND NO LONGER EXIST. SHOULD STREETCAR TRACKS BE ENCOUNTERED DURING THE PLANING AND RESURFACING OF WEST SIXTH STREET THEY SHALL BE REMOVED AND REPLACED AS PER DETAILED SPECIFICATION D-17.

THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 202, REMOVAL, MISC.: TRACK REMOVED, AS PER D-17 200 SQ YD

ITEM 204, SUBGRADE COMPACTION FOR TRACK REMOVAL 200 SQ YD

ITEM 304, 6" MIN. AGGREGATE BASE FOR TRACK REMOVAL 35 CU YD

ITEM 305, 9" MIN. CONCRETE BASE FOR TRACK REMOVAL, AS PER D-23 85 CU YD

ITEM 448, 0" MIN. ASPHALT CONCRETE INTERMEDIATE COURSE FOR TRACK REMOVAL, TYPE 2, PG64-22, AS PER D-29 20 CU YD

ITEMS REMOVED BY OTHERS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE REMOVAL BY OTHERS OF VARIOUS OBJECTS WITHIN THE RIGHT OF WAY, INCLUDING (BUT NOT LIMITED TO) MAIL COLLECTION BOXES, PAPER DISTRIBUTION BOXES, CITY OF CLEVELAND INFORMATION KIOSKS, AND ORNAMENTAL RAILINGS/FENCES. AT LEAST TWO (2) WEEKS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE FOLLOWING:

KIOSK: OMNI MEDIA CLEVELAND, INC. CPP (TO DE-ENERGIZE THE KIOSK) (STA. 10+36) ATTN.: SANDRA GALLUCCI ATTN.: RAY O'NEAL PHONE: (216) 687-0077 X 234 PHONE: 216-664-4600 CELL: 216-789-4997

NEWSPAPER VENDING BOXES: CLEVELAND BUREAU OF SIDEWALKS (STA. 13+87, RT. AND ATTN.: JOHN PETKAC STA. 15+91, LT.) PHONE: 216-664-7423

USPS COLLECTION STATION: US POST OFFICE (STA. 11+57, RT.) PHONE: 216-443-4046

RECYCLING BIN: MAYOR'S OFFICE OF SUSTAINABILITY (STA. 12+20±, RT.) ATTN.: KRISTIN HALL PHONE: 216-664-3652

RAILINGS/FENCES/CANOPY POLES: HISTORIC WAREHOUSE DISTRICT (VARIOUS LOCATIONS) PHONE: 216-344-3937

ALL WORK PERFORMED BY THE CONTRACTOR FOR THIS COORDINATION SHALL BE CONSIDERED INCIDENTAL TO ITEM 201, CLEARING AND GRUBBING, AND THE CONTRACTOR SHALL BE DUE NO ADDITIONAL COMPENSATION FOR THIS WORK.

PAVEMENT REMOVED

PAVEMENT SAW CUTTING REQUIRED TO REMOVE EXISTING PAVEMENT AS NOTED IN THESE PLANS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 202, PAVEMENT REMOVED, AS PER D-15.

DRAINAGE

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY, REPRESENTATIVES OF THE CITY AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE CITY.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY.

ALL EXISTING SEWERS THAT ARE TO REMAIN SHALL BE FREE-FLOWING AND FREE OF FOREIGN MATTER IN THE VICINITY OF THE PROJECT AREA. THE CONTRACTOR SHALL GIVE A 48 HOUR NOTICE TO THE DIVISION OF WATER POLLUTION CONTROL TO REQUEST REPAIRS AND CLEANING AS NECESSARY TO ACCOMPLISH THE CONTRACTOR'S WORK. ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THIS PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION OR AFTER CITY SEWER REPAIRS AND CLEANING ARE COMPLETED. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 AND/OR 604 ITEMS.

ITEM SPECIAL, MISCELLANEOUS METAL

THE CONTRACTOR SHALL REPLACE MISSING, DAMAGED, OR BROKEN CITY OF CLEVELAND CASTINGS AS DETERMINED BY THE ENGINEER. THIS WORK SHALL CONFORM TO DETAILED SPECIFICATION D-72 OF THE BID DOCUMENTS. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM SPECIAL, MISCELLANEOUS METAL, AS PER D-72 5000 LBS

PAVEMENT

ASPHALT CONCRETE SURFACE COURSE SEALING REQUIREMENTS

IN ADDITION TO THE GUTTER SEALING REQUIREMENTS SPECIFIED IN SCD BP-3.1 AND IN 401.15, AFTER COMPLETION OF THE SURFACE COURSE, THE CONTRACTOR SHALL SEAL THE FOLLOWING LOCATIONS WITH A CERTIFIED PG BINDER:

- ALL CASTINGS INCLUDING, BUT NOT LIMITED TO, MONUMENTS, WATER VALVES, CATCH BASINS, CURB INLETS.
- BUTT JOINTS AND FEATHER JOINTS.
- ALL LONGITUDINAL AND TRANSVERSE COLD JOINTS (SEALING SHALL OCCUR PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS). COLD JOINTS INCLUDE ALL JOINTS EXCEPT THOSE CONSTRUCTED WITH TWO PAVERS OPERATING IN CONTIGUOUS LANES ONE JUST AHEAD OF THE OTHER SO THAT THE DISTANCE BETWEEN PAVERS DOES NOT EXCEED THE DISTANCE THAT A NORMAL SIZED LOAD OF MIXTURE WILL COVER (I.E. A HOT JOINT PER 401.17).

THE MATERIAL USED SHALL BE A CERTIFIED 702.01 PG BINDER. THE WIDTH OF THE SEALER SHALL BE 2 INCHES.

ANY ADDITIONAL COSTS ASSOCIATED WITH THE WORK IDENTIFIED IN THIS NOTE SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 448, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER D-29.

SURCHARGE FOR CLASS MS CONCRETE

DURING CONSTRUCTION OF CONCRETE BASE (ITEM 305), NON-REINFORCED CONCRETE PAVEMENT (ITEM 452), AND/OR CONCRETE SIDEWALK (ITEM 608). THE CITY MAY DIRECT THE CONTRACTOR TO USE CLASS MS CONCRETE MIX, AS PER DETAILED SPECIFICATION D-25, IN LIEU OF THE STANDARD CONCRETE MIX DESIGN SPECIFIED IN DETAILED SPECIFICATION D-24. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A UNIT PRICE FOR THIS ITEM FOR ALL ADDITIONAL COSTS INCURRED FOR THAT ITEM ABOVE THE COST OF THE STANDARD MIX DESIGN CONCRETE.

ITEM SPECIAL, SURCHARGE FOR CLASS MS CONCRETE, AS PER D-25 100 CU YDS

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF PIPES UNDER ITEM 603:

ITEM 304, 6" MIN. AGGREGATE BASE, FOR PAVEMENT RESTORATION 20 CU YDS

ITEM 305, 9" MIN. CONCRETE BASE FOR PAVEMENT RESTORATION, AS PER D-23 45 CU YDS

ITEM 448, 0" MIN. ASPHALT CONCRETE INTERMEDIATE COURSE, FOR PAVEMENT RESTORATION, TYPE 2, PG64-22, AS PER D-29 10 CU YDS

THE ABOVE QUANTITIES ARE BASED ON A PAVEMENT RESTORATION WIDTH OF THE TRENCH WIDTH PLUS TWO FEET ON EITHER SIDE OF THE TRENCH, AS PER THE DETAIL SHOWN ON SHEET NO. 27. AS PER CITY OF CLEVELAND CONSTRUCTION DRAWING 445M, THE COST OF REMOVING THE EXISTING PAVEMENT, SAW CUTTING, AND DOWELING IS INCLUDED IN THE UNIT PRICE BID FOR ITEM 305, 9" CONCRETE BASE, AS PER D-23.

WATER WORK GENERAL NOTES ARE FOUND ON SHEET NO. 13.

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GENERAL NOTES

CITY-WEST SIXTH STREET STREETSCAPE

ITEM 614 - MAINTAINING TRAFFIC

THROUGH TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON WEST SIXTH STREET AND ALL SIDE STREETS IN ACCORDANCE WITH SECTION 614. THE LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE KEPT TO A MINIMUM CONSISTENT WITH THE SPECIFICATION REQUIREMENTS FOR PROTECTION OF COMPLETED PAVEMENT COURSES, AND SHALL BE AT THE APPROVAL OF THE ENGINEER.

THE CONTRACTOR SHALL MAINTAIN SAFE AND SATISFACTORY ACCESS TO ABUTTING PROPERTY. THE CONTRACTOR SHALL MAINTAIN ADEQUATE PEDESTRIAN WALKS AT ALL INTERSECTIONS, INCLUDING ASPHALT CONCRETE WALKS, WHERE DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL DIVERT TRAFFIC FROM NORMAL CHANNELS BY PLASTIC DRUMS AND TRAFFIC SIGNS, AS SHOWN ON SHEET NO. 7 AND AS SPECIFIED HEREIN.

ALL CONSTRUCTION TRAFFIC CONTROL DEVICES USED FOR THIS PROJECT SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR, EXCEPT AS NOTED BELOW.

THE FURNISHING, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL WORK ZONE PAVEMENT MARKINGS, INCLUDING (BUT NOT LIMITED TO) CENTER LINES, EDGE LINES, CHANNELIZING LINES, AND LANE ARROWS, AS WELL AS THE REMOVAL OF ALL EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH THE WORK ZONE MARKINGS, ARE INCLUDED WITH THIS ITEM.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SAFEGUARDS, SUCH AS TYPE III BARRICADES, LIGHTING, FLAGGERS, AND SUCH OTHER TRAFFIC CONTROL DEVICES AS PROVIDED IN ITEM 614, MAINTAINING TRAFFIC, SO AS TO AVOID DAMAGE AND/OR INJURY TO VEHICLES AND PERSONS USING THE ROADWAY DURING CONSTRUCTION.

EXISTING TRAFFIC CONTROL DEVICES (SIGNS AND/OR TRAFFIC SIGNALS), LOCATED WITHIN THE WORK AREA, WHICH ARE REQUIRED FOR INTERIM OR PERMANENT TRAFFIC CONTROL, SHALL BE RELOCATED TO POINTS APPROVED BY THE ENGINEER. APPROPRIATE TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED, IN COMPLIANCE WITH THE MANUAL, AT ALL TIMES WHILE TRAFFIC IS MAINTAINED. THE COST OF RELOCATION, IF REQUIRED, SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 - MAINTAINING TRAFFIC.

THE LENGTH AND DURATION OF LANE CLOSURES AND/OR TRAFFIC RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. THE INTENT IS TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614 - MAINTAINING TRAFFIC OR 614 - MAINTENANCE OF PEDESTRIAN TRAFFIC, AS PER DS-23, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ESTIMATED QUANTITIES FOR MAINTAINING TRAFFIC

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC:

ITEM 410, TRAFFIC COMPACTED SURFACE TYPE A OR B	20 CU. YD.
ITEM 608, 2" ASPHALT CONCRETE WALK	1000 SQ. FT.
ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	20 CU. YD.
ITEM 616, WATER	1 M GAL.

NOTIFICATION

THE CONTRACTOR SHALL NOTIFY IN WRITING THE FOLLOWING AGENCIES AT LEAST 72 HOURS BEFORE IMPLEMENTING ANY SUBSTANTIAL CHANGE IN TRAFFIC PATTERN OR CLOSING ANY STREET TO TRAFFIC:

- THE GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY
- THE UNITED STATES POSTAL SERVICE
- THE CITY OF CLEVELAND BOARD OF EDUCATION
- THE CITY OF CLEVELAND:
 - COMMISSIONER OF TRAFFIC ENGINEERING
 - COMMISSIONER OF ENGINEERING AND CONSTRUCTION
 - COMMISSIONER OF EMERGENCY MEDICAL SERVICES
 - POLICE TRAFFIC COMMISSIONER
 - FIRE CHIEF
- HISTORIC WAREHOUSE DISTRICT
- OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 12, PUBLIC INFORMATION OFFICE

ACCESS TO ABUTTING COMMERCIAL PROPERTIES

TWO-WAY, TWO-LANE ACCESS TO THE EXISTING PARKING LOTS ALONG WEST SIXTH STREET SHALL BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES EXCEPT FOR THE TIME NECESSARY TO REMOVE AND REPLACE THE CONCRETE APRON. DURING THE TIME THAT THE DRIVEWAY APRON IS CLOSED, THE CONTRACTOR SHALL INSTALL DRUMS W/TYPE A WARNING LIGHTS ALONG THE BACK OF THE SIDEWALK. ACCESS TO THE PARKING LOT WILL BE MAINTAINED OFF OF WEST FOURTH STREET DURING THE TIME THAT THE WEST SIXTH STREET ACCESS IS CLOSED.

NO MORE THAN TWO WORKING DAYS AFTER RECEIVING THE NOTICE TO PROCEED, THE CONTRACTOR SHALL SUBMIT PLAN OUTLINING THE CONTRACTOR'S STRATEGY FOR THE MAINTENANCE OF SAFE ACCESS AND CLOSURE SCHEDULE OF ALL DRIVEWAYS TO THE CITY FOR APPROVAL.

NO SEPARATE PAYMENT FOR MAINTAINING THIS ACCESS WILL BE MADE. THE COST OF MAINTAINING ACCESS TO THE PARKING LOTS WILL BE INCLUDED IN THE LUMP SUM PRICE BID FOR "ITEM 614, MAINTAINING TRAFFIC."

CONSTRUCTION TRAFFIC

ALL CONSTRUCTION TRAFFIC SHALL USE ACCEPTABLE TRUCK ROUTES TO ACCESS THE CONSTRUCTION AREA. USE OF LOCAL RESIDENTIAL STREETS IS STRICTLY PROHIBITED UNLESS ALLOWED IN WRITING BY THE CITY OF CLEVELAND COMMISSIONER OF ENGINEERING AND CONSTRUCTION.

ITEM 614. LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

WORK UNDER THIS ITEM SHALL CONFORM TO THE DESCRIPTION CONTAINED IN THE BID DOCUMENTS.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS, AS PER DS-22	50 HOURS
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TEMPORARY RAMPING OF VERTICAL SURFACES

IN ORDER TO PROVIDE FOR LOCAL ACCESS, LONGITUDINAL VERTICAL FACES ABUTTING DRIVES SHALL BE TEMPORARILY RAMPED. TRANSVERSE VERTICAL FACES SHALL BE TEMPORARILY RAMPED A MINIMUM OF TEN (10) FEET IN LENGTH AND TRAFFIC SHALL BE WARNED WITH W8-1 "BUMP" SIGNS IN ADVANCE OF THE RAMPED AREAS.

ALL CASTINGS ENCOUNTERED SHALL BE SET TO GRADE AND PAID FOR UNDER VARIOUS ITEMS DESCRIBED ELSEWHERE IN THE GENERAL NOTES OR SPECIFICATIONS. THE CASTING ELEVATION DIFFERENTIAL SHALL NOT BE GREATER THAN 1 1/2 INCHES WHEN EXPOSED TO TRAFFIC. ALL TEMPORARY RAMPING SHALL BE INSTALLED, AT THE DIRECTION OF THE ENGINEER, USING ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC.

CONSTRUCTION ADJACENT TO DRIVES

ACCESS TO THE TWO PARKING LOTS ON WEST SIXTH STREET, AS WELL AS ACCESS TO JOHNSON COURT FROM WEST SIXTH STREET, SHALL BE MAINTAINED AT ALL TIMES. THE PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO MAINTAIN ACCESS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR "ITEM 614 - MAINTAINING TRAFFIC"; EXCEPT FOR THE SEPARATELY ESTIMATED ITEMS/QUANTITIES ADDITIONALLY PROVIDED IN THE PLANS FOR MAINTAINING TRAFFIC (ACCESS).

NO MORE THAN TWO WORKING DAYS AFTER THE NOTICE TO PROCEED, THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE APPROVAL OF THE ENGINEER WHICH OUTLINES HIS STRATEGY FOR THE MAINTENANCE OF SAFE ACCESS WITHIN THE PROJECT LIMITS WHEN ACCESS IS NOT POSSIBLE. EXCEPT AS NOTED ABOVE, ALL ASSOCIATED COSTS SHALL BE INCLUDED UNDER "ITEM 614 - MAINTAINING TRAFFIC".

CONSTRUCTION SEQUENCE

THE PROJECT SHALL BE SEQUENCED AS FOLLOWS:

- INSTALL ALL "ROAD WORK AHEAD" (W20-1) AND "END ROAD WORK" (G20-2) SIGNS ON WEST SIXTH STREET AND ALL SIDE STREETS.
- REMOVE OR COVER ALL SIGNS ON BOTH SIDES OF WEST SIXTH STREET THAT ALLOW PARKING OR STOPPING. THE CONTRACTOR SHALL FURNISH AND INSTALL "NO STOPPING ANY TIME" SIGNS MEETING ODOT STANDARDS FOR SIZE AND COLOR. "NO STOPPING SIGNS SHALL BE PLACED AT 100' (MAX.) INTERVALS.
- INSTALLATION OF THE PROPOSED CATCH BASINS AND CONDUITS. DURING THESE OPERATIONS, TWO-WAY TRAFFIC SHALL BE MAINTAINED USING FLAGGERS IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-97.11.
- FURNISHING AND INSTALLATION OF ALL NECESSARY BARRIERS TO PROTECT PEDESTRIANS IN CONFORMANCE WITH THE DETAILED SPECIFICATION IN THE BID DOCUMENTS, AS INDICATED ON SHEET NO. 7, AND AS SPECIFIED BY ODOT STANDARD CONSTRUCTION DRAWING MT-110.10.
- NARROWING OF THE EXISTING PAVEMENT AS INDICATED, AND REMOVAL (WHERE NECESSARY) AND INSTALLATION OR RESETTING OF CURBS, UNDERDRAINS, DRIVEWAY APRONS, SIDEWALKS, CATCH BASINS, AND CONDUIT. TWO-WAY TRAFFIC SHALL BE MAINTAINED AS SHOWN ON SHEET NO. 7. DURING ANY OPERATIONS THAT WILL DISRUPT ONE OF THE TRAVEL LANES, TWO-WAY TRAFFIC SHALL BE MAINTAINED USING FLAGGERS IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-97.11.
- PLANING OF THE EXISTING PAVEMENT TO THE DEPTHS NECESSARY TO PRODUCE THE FINAL GRADE. TWO-WAY TRAFFIC SHALL BE MAINTAINED USING FLAGGERS IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-97.11. AT THE CONCLUSION OF THIS STEP, THE CONTRACTOR SHALL FURNISH AND INSTALL AN ITEM 614, WORK ZONE CENTER LINE, CLASS I, 642 PAINT ON THE PLANED SURFACE AT THE CENTER LINE OF WEST SIXTH STREET
- PLACING OF THE ASPHALT CONCRETE COURSES. TWO-WAY TRAFFIC SHALL BE MAINTAINED USING FLAGGERS IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-97.11. AT THE CONCLUSION OF THE PLACEMENT OF EACH COURSE, THE CONTRACTOR SHALL FURNISH AND INSTALL AN ITEM 614, WORK ZONE CENTER LINE, CLASS II ON THE COMPLETED ASPHALT AT THE CENTER LINE OF WEST SIXTH STREET.
- INSTALLATION OF ALL STREETScape ELEMENTS (PUBLIC ART, BENCHES, ETC.), INCLUDING THE TREE PIT ORNAMENTAL RAILING IF ALTERNATE NO. 1 IS ACCEPTED.
- INSTALLATION OF ALL SIGNS AND PAVEMENT MARKINGS.

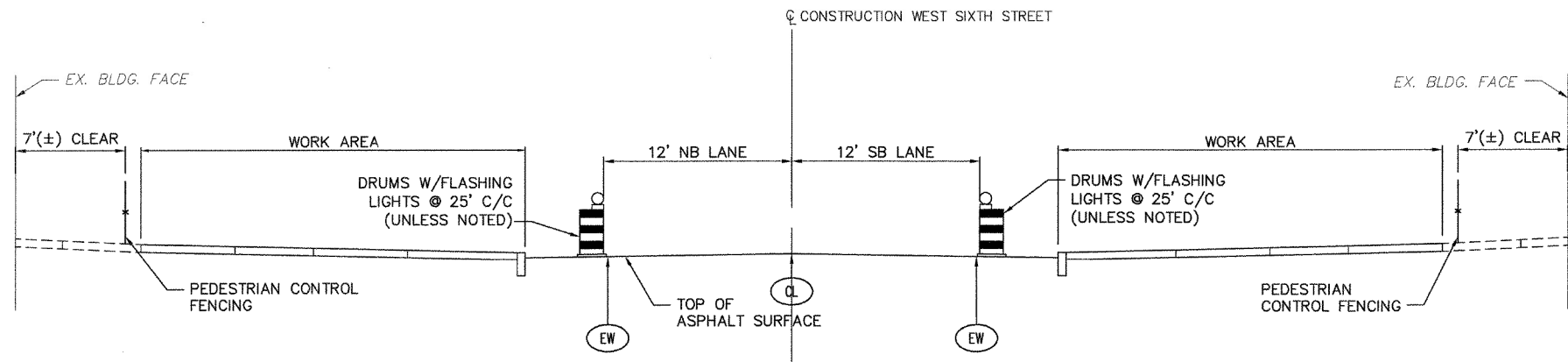
ALL OF THE WORK LISTED ABOVE CANNOT START UNTIL MARCH 18, 2013, AND MUST BE SUBSTANTIALLY COMPLETED AND ACCEPTED BY THE CITY OF CLEVELAND NO LATER THAN THE CLOSE OF BUSINESS ON JULY 18, 2013. AT THAT TIME, ALL CONSTRUCTION ITEMS, SUCH AS STORED MATERIAL, TEMPORARY FENCES AND BARRIERS, CONTRACTOR'S EQUIPMENT, AND DEBRIS SHALL BE REMOVED FROM WITHIN THE PROJECT LIMITS.

THE CONTRACTOR SHALL SUSPEND ALL WORK ON WEST SIXTH STREET ON JULY 18, AND MAY RESUME WORK ON AUGUST 5, 2013, IN ORDER TO COMPLETE THE REMAINING ITEMS OF THE PROJECT, SUCH AS FURNISHING AND INSTALLATION OF THE TREE PIT PLANTINGS, IF APPLICABLE.

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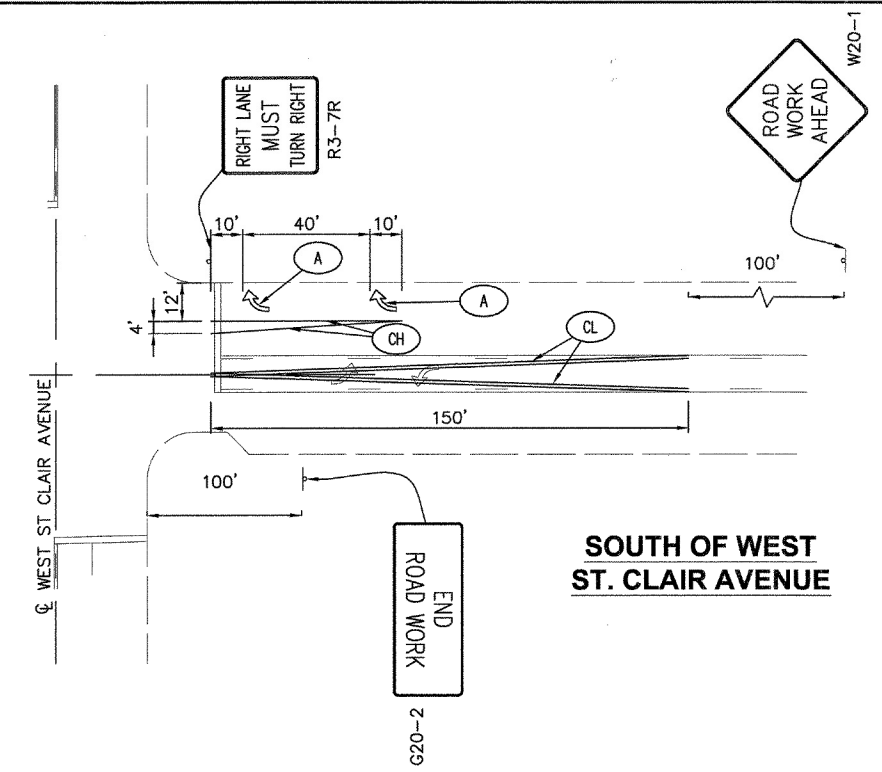
MAINTENANCE OF TRAFFIC GENERAL NOTES

CITY WEST SIXTH STREET STREETScape

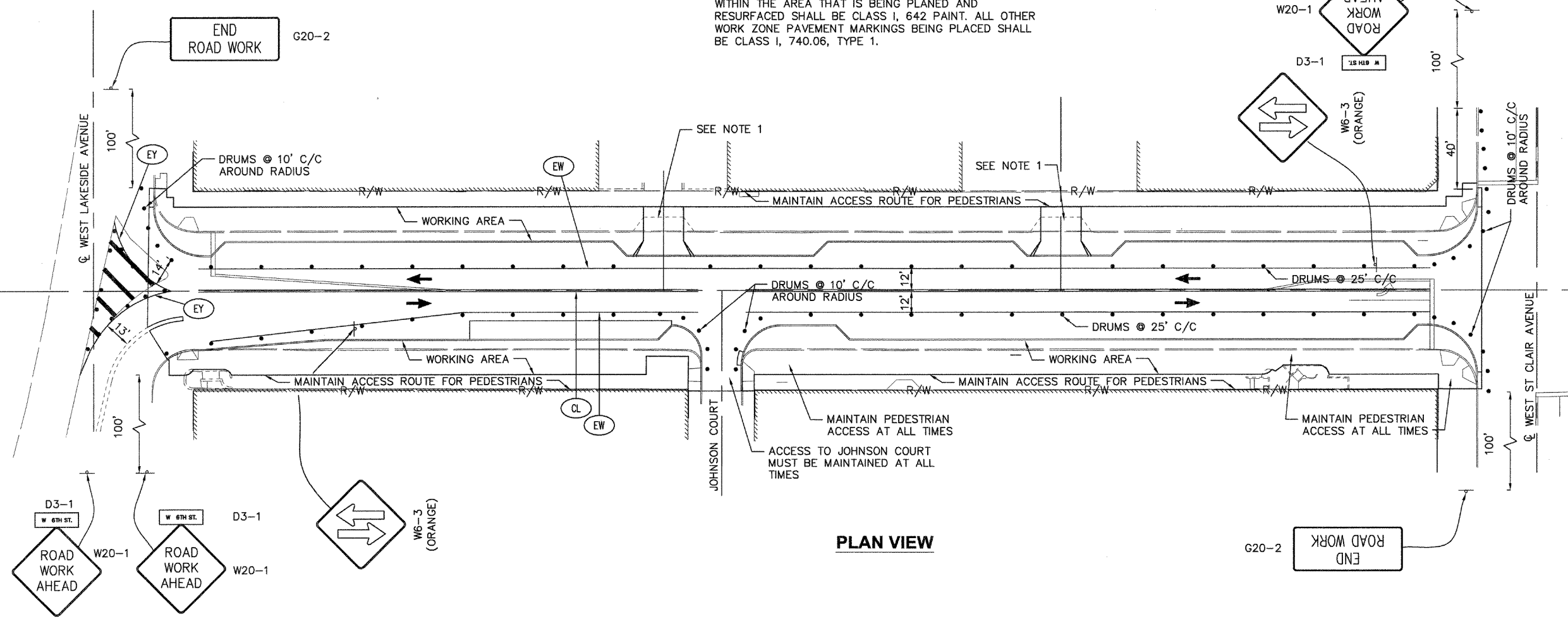


WEST SIXTH STREET MAINTENANCE OF TRAFFIC SECTION

- NOTES:**
1. ACCESS TO PARKING LOTS OFF WEST SIXTH STREET MUST BE MAINTAINED AT ALL TIMES FOR VEHICLES AND PEDESTRIANS. REFER TO GENERAL NOTES AND DETAILED SPECIFICATIONS FOR FURTHER INFORMATION.
 2. REMOVE ALL EXISTING PAVEMENT MARKINGS (LINES, ARROWS, ETC.) THAT ARE IN CONFLICT WITH THE WORK ZONE PAVEMENT MARKINGS SHOWN ON THIS PLAN.
 3. ALL WORK ZONE PAVEMENT MARKINGS BEING PLACED WITHIN THE AREA THAT IS BEING PLANED AND RESURFACED SHALL BE CLASS 1, 642 PAINT. ALL OTHER WORK ZONE PAVEMENT MARKINGS BEING PLACED SHALL BE CLASS 1, 740.06, TYPE 1.



SOUTH OF WEST ST. CLAIR AVENUE



PLAN VIEW

- (A) = LANE ARROW
- (CH) = CHANNELIZING LINE
- (CL) = DOUBLE YELLOW CENTER LINE
- (EW) = EDGE LINE, WHITE
- (EY) = EDGE LINE, YELLOW

PLACE ON BARRIER BETWEEN RAMP AND WEST LAKESIDE AVENUE

PLACE ON SOUTH SIDE OF WEST LAKESIDE AVENUE

SHEET NUMBER																		ITEM	GRAND TOTAL	UNIT	DESCRIPTION	
5	6	11	12	13	15	16	17	18	19	20	21	29	30	32								
																		ROADWAY				
																		201	LUMP		CLEARING AND GRUBBING	
																		202	792	SQ YD	PAVEMENT REMOVED, AS PER D-15	
																		202	61	SQ YD	PAVEMENT REMOVED (DRIVEWAYS), AS PER D-15	
																		202	14140	SQ FT	WALK REMOVED	
																		202	221	SQ YD	GUTTER REMOVED	
																		202	1365	FT	GRANITE CURB REMOVED FOR REUSE, AS PER DS-1	
																		202	4	EACH	CATCH BASIN REMOVED	
																		202	20	EACH	REMOVAL, MISC.: PARKING METER, AS PER DS-2	
																		202	27	EACH	REMOVAL, MISC.: TREE PIT FRAME AND GRATE, AS PER DS-3	
																		202	1	EACH	REMOVAL, MISC.: BENCH, AS PER DS-5	
																		202	5	EACH	REMOVAL, MISC.: TRASH CAN, AS PER DS-5	
																		202	1	EACH	REMOVAL, MISC.: BIKE RACK, AS PER DS-5	
200																			202	200	SQ YD	REMOVAL, MISC.: TRACK REMOVED, AS PER D-17
																		203	55	CU YD	EXCAVATION	
																		203	551	CU YD	EMBANKMENT	
																		204	213	SQ YD	SUBGRADE COMPACTION	
200																			204	200	SQ YD	SUBGRADE COMPACTION FOR TRACK REMOVAL
																		604	1	EACH	MONUMENT BOX ADJUSTED TO GRADE, AS PER D-41	
																		604	2	EACH	MANHOLE ADJUSTED TO GRADE (CPP), AS PER D-39	
																		608	21172	SQ FT	6" CONCRETE WALK, AS PER D-23 AND DS-7	
																		SPECIAL	7	CORNER	CURB RAMP WITH TILE, INCLUDING LAYOUT, AS PER D-23, D-27, AND DS-8	
																		EROSION CONTROL				
																		832	LUMP		EROSION CONTROL	
																		DRAINAGE				
																		603	60	FT	6" CONDUIT, TYPE F	
																		603	163	FT	12" CONDUIT, TYPE B, 706.08 (ES)	
																		604	5	EACH	CATCH BASIN, CITY OF CLEVELAND NO. 1, AS PER D-34	
																		604	1	EACH	MANHOLE, CITY OF CLEVELAND NO. 1	
																		604	9	EACH	MANHOLE ADJUSTED TO GRADE, AS PER D-39	
5000																			SPECIAL	5000	LB	MISCELLANEOUS METAL, AS PER D-72
																		605	1522	FT	6" UNCLASSIFIED PIPE UNDERDRAIN, 706.08, 707.32, OR 707.41, AS PER D-42 AND DS-10	
																		SPECIAL	52	FT	CLEAN AND TELEWISE CONDUIT (SEWER), AS PER D-37	
																		PAVEMENT				
																		254	3162	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER DS-11	
																		304	18	CU YD	6" MIN. AGGREGATE BASE	
35																			304	35	CU YD	6" MIN. AGGREGATE BASE FOR TRACK REMOVAL
20																			304	20	CU YD	6" MIN. AGGREGATE BASE FOR PAVEMENT RESTORATION
																		305	4	CU YD	9" MIN. CONCRETE BASE, AS PER D-23	
85																			305	85	CU YD	9" MIN. CONCRETE BASE FOR TRACK REMOVAL, AS PER D-23
45																			305	45	CU YD	9" MIN. CONCRETE BASE FOR PAVEMENT RESTORATION, AS PER D-23
																		407	317	GALLON	TACK COAT, TRACKLESS TACK, INTERMEDIATE COURSE, AS PER DS-12	
																		407	159	GALLON	TACK COAT, TRACKLESS TACK, SURFACE COURSE, AS PER DS-12	

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GENERAL SUMMARY

 CUY-WEST SIXTH STREET STREETScape
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(PAVEMENT CONTINUED ON SHEET NO. 9)

SHEET NUMBER

SHEET NUMBER																		ITEM	GRAND TOTAL	UNIT	DESCRIPTION		
5	6		11	12	13		15	16	17		18	19	20	21		29	30		32				
PAVEMENT (CONTINUED)																							
			3170																	448	3170	SQ YD	1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER D-29
			3170																	448	3170	SQ YD	1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22, AS PER D-29
20																				448	20	CU YD	0" MIN. ASPHALT CONCRETE INTERMEDIATE COURSE FOR TRACK REMOVAL, TYPE 2, PG64-22, AS PER D-29
10																				448	10	CU YD	0" MIN. ASPHALT CONCRETE INTERMEDIATE COURSE FOR PAVEMENT RESTORATION, TYPE 2, PG64-22, AS PER D-29
			115																	452	115	SQ YD	8" NON-REINFORCED CONCRETE PAVEMENT, AS PER D-23
			98																	452	98	SQ YD	10" NON-REINFORCED CONCRETE PAVEMENT, AS PER D-23
100																				SPECIAL	100	CU YD	SURCHARGE FOR CLASS MS CONCRETE, AS PER D-25
			207																	609	207	FT	CURB TYPE 6, AS PER DS-13
			1280																	609	1280	FT	CURB MISC.: GRANITE CURB RESET, AS PER DS-14
WATER WORK																							
			50																	613	50	CU YD	LOW STRENGTH MORTAR BACKFILL
							35													SPECIAL	35	FT	6" DUCTILE IRON PIPE AND FITTINGS, AS PER E-1
			5				6													SPECIAL	11	FT	8" DUCTILE IRON PIPE AND FITTINGS, AS PER E-1
			5				6													SPECIAL	11	FT	12" DUCTILE IRON PIPE AND FITTINGS, AS PER E-1
							2													SPECIAL	2	EACH	6" GATE VALVE WITH VALVE BOX COMPLETE, AS PER E-4
								1												SPECIAL	1	EACH	10" CUT-IN VALVE ASSEMBLY COMPLETE WITH VALVE BOX COMPLETE, AS PER E-4
			2000																	SPECIAL	2000	LB	MISCELLANEOUS METAL WORK, AS PER E-8
			2																	SPECIAL	2	EACH	REMOVE EXISTING HYDRANT, AS PER E-12A1
							1	1												SPECIAL	2	EACH	REMOVE EXISTING HYDRANT, EXTEND HYDRANT BRANCH, AND RESET EXISTING HYDRANT, AS PER E-12A2a
				1																SPECIAL	1	EACH	LOWER/RAISE EXISTING HYDRANT BRANCH AND ADJUST HYDRANT TO GRADE, AS PER E-12A4
			8																	SPECIAL	8	EACH	REMOVE EXISTING VALVE AND/OR VALVE BOX, AS PER E-12B1
			10																	SPECIAL	10	EACH	REMOVE EXISTING VAULT/MANHOLE FRAME AND COVER, AS PER E-12B3
					60															SPECIAL	60	EACH	ADJUST EXISTING VALVE BOX TO GRADE, AS PER E-12C1
					8															SPECIAL	8	EACH	ADJUST EXISTING VAULT/MANHOLE FRAME AND COVER TO GRADE, AS PER E-12C3
							2													SPECIAL	2	EACH	FURNISHING AND SETTING 6-INCH HYDRANT, AS PER E-17
			10																	SPECIAL	10	EACH	REMOVE EXISTING VAULT/MANHOLE, AS PER DS-15
				2																SPECIAL	2	EACH	RECONSTRUCT EXISTING VAULT/MANHOLE FRAME AND COVER TO GRADE, AS PER DS-16
TRAFFIC CONTROL																							
																	162.5			630	162.5	FT	GROUND MOUNTED SUPPORT, NO. 3 POST
																	11.5			630	11.5	FT	ONE WAY SUPPORT, NO. 3 POST
																	25.0			630	25.0	FT	STREET NAME SIGN SUPPORT, NO. 3 POST
																	16			630	16	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED
																	35.25			630	35.25	SQ FT	SIGN, FLAT SHEET
																	53.0			630	53.0	SQ FT	SIGN, FLAT SHEET, AS PER DS-17
																	3			630	3	EACH	STREET NAME SIGN (16"), AS PER DS-18
																	15			630	15	EACH	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE
																	7			630	7	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL
																	36			630	36	EACH	REMOVAL OF POLE MOUNTED SIGN AND STORAGE
																	0.05			644	0.05	MILE	EDGE LINE
																	0.23			644	0.23	MILE	CENTER LINE
																	222			644	222	FT	CHANNELIZING LINE
																	131			644	131	FT	STOP LINE
																	634			644	634	FT	CROSSWALK LINE
																	807			644	807	FT	TRANSVERSE/DIAGONAL LINE
																	9			644	9	EACH	LANE ARROW

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GENERAL SUMMARY
 CUY-WEST SIXTH STREET STREETScape
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PAVEMENT CALCULATIONS

STATION	LENGTH	ASPHALT WIDTH	ASPHALT AREA "A"	CONCRETE WIDTH	CONCRETE AREA "C"	204	254	304	305	407	407	448	448	452	
						SUBGRADE COMPACTION	PAVEMENT PLANING, ASPHALT CONCRETE	6" (MIN.) AGGREGATE BASE	9" (MIN.) CONCRETE BASE	TACK COAT, TRACKLESS TACK, INT. COURSE	TACK COAT, TRACKLESS TACK, SUR. COURSE	1 1/4" ASPH. CONC. SURFACE COURSE	1 3/4" ASPH. CONC. INTERMEDIATE COURSE	10" NON-REINFORCED CONCRETE PAVEMENT	
FROM	TO	FEET	FEET	SQ FT	FEET	SQ FT	"C"*1/9	"A"*1/9	"C"*(6/12)*1/27	"A"*(15/12)*1/27	"A"*1/9*0.10	"A"*1/9*0.05	"A"*1/9	"A"*1/9	"C"*1/9
WEST SIXTH STREET LEFT SIDE							SQ YD	SQ YD	CU YD	CU YD	GALLON	GALLON	SQ YD	SQ YD	SQ YD
WEST LAKESIDE AVE. (LT.) INTERSECTION - PLANING				192.45				21.38			2.14	1.07	21.38	21.38	
WEST LAKESIDE AVE. (LT.) INTERSECTION - REPLACEMENT**				20.35					0.38**	0.94**	0.23	0.12	2.26	2.26	
10+27.00	10+58.50	31.50	17.00	535.50				59.50			5.95	2.98	59.50	59.50	
10+58.50	10+65.50	7.00	(17.00+24.00)/2	143.50				15.95			1.60	0.80	15.95	15.95	
10+65.50	12+58.00	192.50	24.00	4620.00				513.34			51.34	25.67	513.34	513.34	
12+58.00	12+65.00	7.00	(24.00+17.00)/2	143.50				15.95			1.60	0.80	15.95	15.95	
12+65.00	13+58.00	93.00	17.00	1581.00				175.67			17.57	8.79	175.67	175.67	
13+58.00	13+65.00	7.00	(17.00+24.00)/2	143.50				15.95			1.60	0.80	15.95	15.95	
13+65.00	14+57.00	92.00	24.00	2208.00				245.34			24.54	12.27	245.34	245.34	
14+57.00	14+64.00	7.00	(24.00+17.00)/2	143.50				15.95			1.60	0.80	15.95	15.95	
14+64.00	15+06.00	42.00	17.00	714.00				79.34			7.94	3.97	79.34	79.34	
15+06.00	15+13.00	7.00	(17.00+24.00)/2	143.50				15.95			1.60	0.80	15.95	15.95	
15+13.00	16+51.00	138.00	24.00	3312.00				368.00			36.80	18.40	368.00	368.00	
16+51.00	16+58.00	7.00	(24.00+17.00)/2	143.50				15.95			1.60	0.80	15.95	15.95	
16+58.00	16+90.00	32.00	17.00	544.00				60.45			6.05	3.02	60.45	60.45	
WEST ST. CLAIR AVE. (LT.) INTERSECTION - PLANING				182.80				20.31			2.03	1.02	20.31	20.31	
WEST ST. CLAIR AVE. (LT.) INTERSECTION - REPLACEMENT**				18.97					0.35**	0.88**	0.21	0.11	2.11	2.11	
WEST SIXTH STREET RIGHT SIDE															
WEST LAKESIDE AVE. (RT.) INTERSECTION - PLANING				620.10				68.90			6.89	3.45	68.90	68.90	
10+55.00	11+15.00	60.00	(29.00+24.00)/2	1590.00				176.67			17.67	8.84	176.67	176.67	
11+15.00	11+87.00	72.00	24.00	1728.00				192.00			19.20	9.60	192.00	192.00	
11+87.00	12+80.32	93.32	15.00	1399.80	9.00	839.88	93.32		15.55					93.32	
12+80.32	12+87.32	7.00	15.00	105.00	(9.00+2.00)/2	38.50	4.28		0.71					4.28	
12+87.32	13+69.00	81.68	17.00	1388.56				154.29			15.43	7.72	154.29	154.29	
JOHNSON CT. - PLANING				761.81				84.65			8.47	4.23	84.65	84.65	
JOHNSON CT. - REPLACEMENT**				14.05					0.26**	0.65**	0.16	0.08	1.56	1.56	
13+69.00	13+76.00	7.00	(17.00+24.00)/2	143.50				15.95			1.60	0.80	15.95	15.95	
13+76.00	16+51.00	275.00	24.00	6600.00				733.34			73.34	36.67	733.34	733.34	
16+51.00	16+58.00	7.00	(24.00+17.00)/2	143.50				15.95			1.60	0.80	15.95	15.95	
16+58.00	16+90.00	32.00	17.00	544.00				60.44			6.05	3.02	60.45	60.45	
WEST ST. CLAIR AVE. (LT.) INTERSECTION - PLANING				181.53*				20.17			2.02	1.01	20.17	20.17	
WEST ST. CLAIR AVE. (LT.) INTERSECTION - REPLACEMENT**				16.83*					0.31**	0.78**	0.19	0.09	1.87	1.87	
TOTALS							97.60	3161.39	17.56	3.25	317.02	158.54	3169.20	3169.20	97.60
QUANTITIES CARRIED TO GENERAL SUMMARY							98	3162	18	4	317	159	3170	3170	98

* = CAD MEASURED AREA.
 ** = PAVEMENT REPLACEMENT AREA. REFER TO
 DETAIL "A" ON SHEET NO. 22.

SIDEWALK SUBSUMMARY

REF. NO.	STATION		SIDE	608	SPECIAL
	FROM	TO		6" CONCRETE WALK	CURB RAMP WITH TILE, INCLUDING LAYOUT
			SQ FT	CORNER	
1-SW	W. LAKESIDE AVE.	12+73	LT	4136	1
2-SW	12+93	14+71	LT	3298	1
3-SW	14+91	W. ST. CLAIR AVE.	LT	3500	1
4-SW	W. LAKESIDE AVE.	JOHNSON CT.	RT	3951	2
5-SW	JOHNSON CT.	W. ST. CLAIR AVE.	RT	6287	2
QUANTITIES CARRIED TO GENERAL SUMMARY				21172	7

UNDERDRAIN SUBSUMMARY

REF. NO.	STATION		SIDE	603	605
	FROM	TO		6" CONDUIT TYPE F	6" SHALLOW PIPE UNDERDRAIN
			FT	FT	
1-U	10+31	10+62.50	LT	6	53
2-U	10+62.50	13+58	LT	5	296
3-U	13+60.50	15+06	LT	7	144
4-U	15+08.50	16+87.9	LT	7	201
5-U	10+36.5	10+57	RT	5	17
6-U	10+57	13+02.2	RT	5	268
7-U	13+22.1	13+73	RT	6	68
8-U	13+73	16+88	RT	5	337
+ CONTINGENCY				14	138
QUANTITIES CARRIED TO GENERAL SUMMARY				60	1522

CURB CALCULATIONS

STATION	FROM	TO	609	609
			CURB, TYPE 6, AS PER DS-13	GRANITE CURB RESET, AS PER DS-14
	FEET	FEET	FEET	FEET
WEST SIXTH STREET LEFT SIDE				8.80
WEST LAKESIDE AVENUE				
W. LAKESIDE	10+54.74	10+58.50	39.60	
10+54.74	10+58.50			3.76
10+58.50	10+65.50			9.90
10+65.50	12+58.00			222.50
12+58.00	12+65.00			9.90
12+65.00	13+58.00			93.00
13+58.00	13+65.00			9.90
13+65.00	14+57.00			92.00
14+57.00	14+64.00			9.90
14+64.00	15+06.00			42.00
15+06.00	15+13.00			9.90
15+13.00	16+51.00			138.00
16+51.00	16+58.00			9.90
16+58.00	16+63.01			5.01
16+63.01	W. ST. CLAIR		39.26	
WEST ST. CLAIR AVENUE				8.87
WEST SIXTH STREET RIGHT SIDE				
10+36.5	10+49.11		13.71	
10+49.11	10+55.00			5.89
10+55.00	11+15.00			60.21
11+15.00	12+80.33			165.33
12+80.33	12+87.33			9.90
12+87.33	JOHNSON CT		23.58	
JOHNSON COURT N. SIDE				17.90
JOHNSON COURT S. SIDE				12.90
JOHNSON CT	13+41.85		31.39	
13+41.85	13+69.00			27.15
13+69.00	13+76.00			9.90
13+76.00	16+51.00			275.00
16+51.00	16+58.00			9.90
16+58.00	16+62.99			4.99
16+62.99	W. ST. CLAIR		39.28	
WEST ST. CLAIR AVENUE				7.07
+ CONTINGENCY			20.00	
TOTALS			206.82	1279.48
QUANTITIES CARRIED TO GENERAL SUMMARY			207	1280

DRIVEWAY SUBSUMMARY

REF. NO.	STATION	SIDE	204	452
			SUBGRADE COMPACTION	8" NON-REINFORCED CONCRETE PAVEMENT
			SQ YD	SQ YD
1-DR	12+83.24	LT	57.45	57.45
2-DR	14+80.76	LT	57.45	57.45
TOTALS			114.90	114.90
QUANTITIES CARRIED TO GENERAL SUMMARY			115	115

CALCULATED
 DRP
 CHECKED
 RCN

PAVEMENT CALCULATION AND SUBSUMMARIES

CURB WEST SIXTH STREET STREETScape

ADJUSTMENT SUBSUMMARY

REF. NO.	STATION	SIDE	604	604	604	SPECIAL	SPECIAL	SPECIAL
			MANHOLE ADJUSTED TO GRADE	MANHOLE ADJUSTED TO GRADE (CPP)	MONUMENT BOX ADJUSTED TO GRADE	ADJUST HYDRANT TO GRADE	ADJUST EXISTING VALVE BOX TO GRADE	ADJUST EX. VAULT/MH FRAME AND COVER TO GRADE
			EACH	EACH	EACH	EACH	EACH	EACH
1-A	10+34	LT	1					
2-A	10+37	LT			1			
3-A	10+50	LT					1	
4-A	11+47	LT						1
5-A	11+58	LT					1	1
6-A	11+78	LT					1	
7-A	12+10	LT					2	
8-A	12+12	LT					2	
9-A	12+29	LT					1	1
10-A	12+54	LT					1	
11-A	13+08	LT					1	
12-A	13+11	LT					1	
13-A	13+11	LT	1					
14-A	13+21	LT					1	
15-A	13+42	LT					1	
16-A	13+46	LT					1	
17-A	13+65	LT					1	
18-A	14+27	LT					2	
19-A	14+34	LT					1	
20-A	14+39	LT	1					
21-A	15+15	LT	1					
22-A	15+32	LT					1	
23-A	15+93	LT					1	
24-A	15+96	LT					1	
25-A	16+27	LT					1	
26-A	16+46	LT	1					
27-A	16+59	LT	1					
28-A	16+68	LT					1	
29-A	16+82	LT		1				
30-A	10+49	RT					1	
31-A	10+51	RT					1	
32-A	11+05	RT					1	
33-A	11+11	RT					1	
34-A	11+75	RT					1	
35-A	11+84	RT					1	
36-A	11+90	RT					1	
37-A	11+93	RT					1	1
38-A	11+99	RT					1	
39-A	12+17	RT	1					
40-A	12+38	RT					1	
41-A	13+04	RT	1					
42-A	13+14	RT	1					
43-A	13+16	RT					1	
44-A	13+16	RT					1	
45-A	13+27	RT				1		
46-A	14+05	RT					1	
47-A	14+08	RT					1	
48-A	14+14	RT					1	
49-A	14+15	RT					1	
50-A	14+46	RT					1	1
51-A	14+56	RT					1	
52-A	14+63	RT					2	
53-A	14+95	RT					2	
54-A	15+14	RT					2	
55-A	15+16	RT					1	
56-A	16+02	RT					1	
57-A	16+73	RT					1	
58-A	16+83	RT		1				
+ CONTINGENCY =							10	3
TOTALS TO GENERAL SUMMARY			9	2	1	1	60	8

PULL BOX SUBSUMMARY

REF. NO.	STATION	SIDE	625
			PULL BOX REMOVED & REPLACED AS PER DS-19 EACH
1-R	10+61	LT	1
2-R	10+95	LT	1
3-R	11+31	LT	1
4-R	11+64	LT	1
5-R	12+03	LT	1
6-R	12+42	LT	1
7-R	13+00	LT	1
8-R	13+34	LT	1
9-R	13+70	LT	1
10-R	14+02	LT	1
11-R	14+35	LT	1
12-R	14+62	LT	1
13-R	15+00	LT	1
14-R	15+34	LT	1
15-R	15+63	LT	1
16-R	16+01	LT	1
17-R	16+35	LT	1
18-R	16+59	LT	1
19-R	10+61	RT	1
20-R	10+99	RT	1
21-R	11+37	RT	1
22-R	11+82	RT	1
23-R	12+15	RT	1
24-R	12+50	RT	1
25-R	13+31	RT	1
26-R	13+59	RT	1
27-R	13+96	RT	1
28-R	14+32	RT	1
29-R	14+69	RT	1
30-R	15+09	RT	1
31-R	15+44	RT	1
32-R	15+79	RT	1
33-R	16+23	RT	1
34-R	16+59	RT	1
TOTAL TO GENERAL SUMMARY			34

WATER WORK

ITEM SPECIAL, MISCELLANEOUS METAL (WATER)

THE CONTRACTOR SHALL REPLACE MISSING, DAMAGED, OR BROKEN CITY OF CLEVELAND WATER DEPARTMENT MANHOLE/VAULT CASTINGS, VALVE BOXES, AND SIMILAR METAL ITEMS AS DETERMINED BY THE ENGINEER. THIS WORK SHALL CONFORM TO DETAILED SPECIFICATION E-8 OF THE BID DOCUMENTS.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

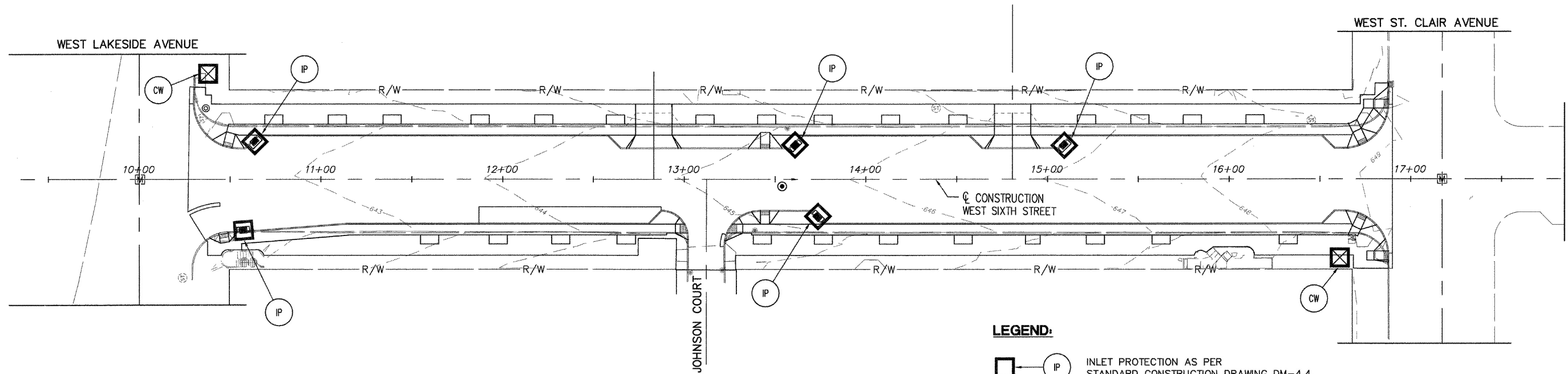
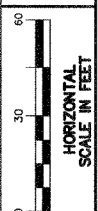
ITEM SPECIAL, MISCELLANEOUS METAL, AS PER E-8 2000 LBS

ITEM SPECIAL, RECONSTRUCT EXISTING VAULT/MANHOLE FRAME AND COVER TO GRADE



THIS ITEM SHALL BE PERFORMED AS PER THE DESCRIPTION CONTAINED IN THE BID DOCUMENTS.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM SPECIAL, RECONSTRUCT EXISTING VAULT/MANHOLE FRAME AND COVER TO GRADE, AS PER DS-16 2 EACH



LEGEND:

-  IP INLET PROTECTION AS PER STANDARD CONSTRUCTION DRAWING DM-4.4
-  CW TEMPORARY CONCRETE WASHOUT FACILITY AS PER DETAIL ON THIS SHEET

SITE DESCRIPTION:

PROJECT NAME: WEST SIXTH STREET STREETSCAPE

PROJECT LOCATION: CITY OF CLEVELAND, CUYAHOGA COUNTY, OHIO

CONSTRUCTION ACTIVITY: PROJECT CONSISTS OF THE IMPROVEMENT OF WEST SIXTH STREET BETWEEN WEST LAKESIDE AVENUE AND WEST ST. CLAIR AVENUE. IMPROVEMENTS INCLUDE THE NARROWING OF THE EXISTING PAVEMENT WIDTH, PLANING AND RESURFACING OF THE EXISTING PAVEMENT, INSTALLATION OF NEW SIDEWALKS, AND STREETSCLAPING.

ESTIMATED TOTAL SITE AREA, TOTAL DISTURBED AREA: THE TOTAL SITE AREA IS 1.5 ACRES. THE AREA OF THE SITE THAT WILL BE DISTURBED BY CONSTRUCTION IS 1.3 ACRES.

RUNOFF COEFFICIENTS:

- PRE-CONSTRUCTION: 0.90
- POST-CONSTRUCTION: 0.89

IMPERVIOUS AREA CREATED BY CONSTRUCTION ACTIVITY: NO ADDITIONAL IMPERVIOUS AREA WILL BE CREATED BY CONSTRUCTION OF THIS PROJECT.

SOIL TYPES: THE FOLLOWING SOIL TYPE IS LOCATED WITHIN THE PROJECT SITE:

- U_b - URBAN LAND

SOURCE: "SOIL SURVEY OF CUYAHOGA COUNTY, OHIO" ISSUED DECEMBER 1980.

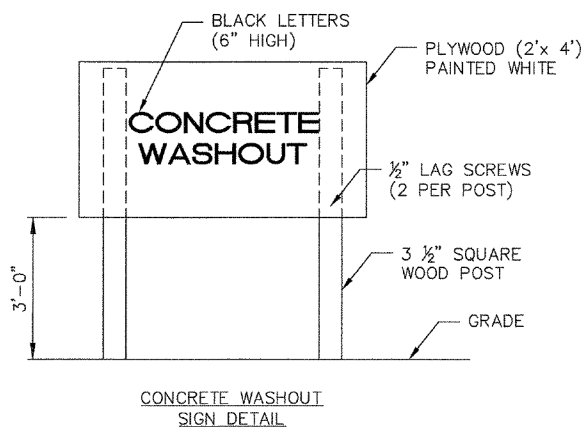
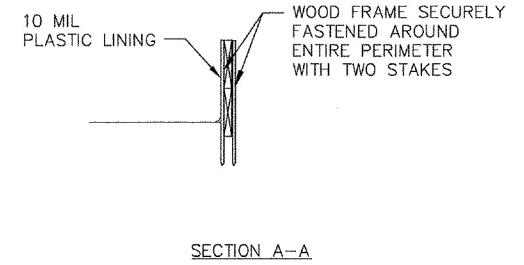
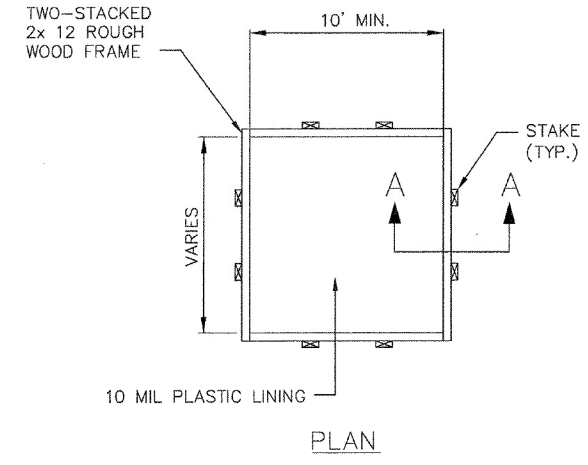
PRIOR LAND USE: THE PROJECT AREA HAS BEEN URBANIZED LAND FOR THE PREVIOUS CENTURY.

NAME OF THE RECEIVING WATER: THE ENTIRE SITE DISCHARGES INTO EXISTING COMBINATION SEWERS OWNED BY THE CITY OF CLEVELAND. THESE SEWERS DISCHARGE TO THE WESTERLY WASTEWATER TREATMENT PLANT, OPERATED BY THE NORTHEAST OHIO REGIONAL SEWER DISTRICT (NEORS).

IMPLEMENTATION SCHEDULE:

SITE CLEARING AND GRUBBING SHALL NOT COMMENCE UNTIL SUCH TIME THAT THE CONTRACTOR IS PREPARED TO START CONSTRUCTION.

1. INSTALLATION OF THE NEW CATCH BASINS AND SEWER. AFTER INSTALLATION OF THE CATCH BASINS, CONTRACTOR IS TO INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES.
2. PLANING OF THE EXISTING PAVEMENT AND INSTALLATION OF THE NEW PAVEMENT AND SIDEWALK.
3. REMOVAL AND DISPOSAL OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES.



INSPECTION AND MAINTENANCE:

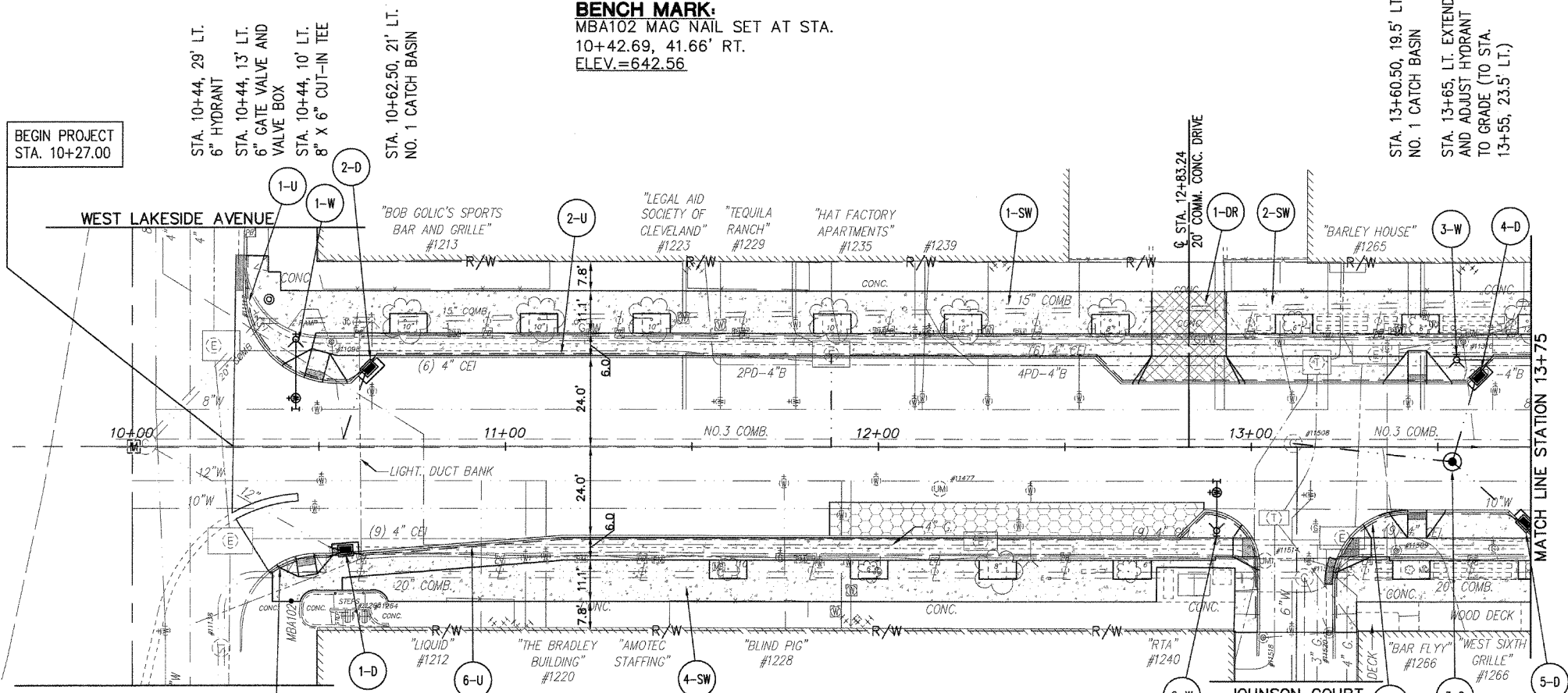
- INSPECT AND VERIFY THAT CONCRETE WASHOUTS ARE IN PLACE PRIOR TO COMMENCEMENT OF CONCRETE WORK.
- DURING PERIODS OF CONCRETE WORK, INSPECT DAILY TO VERIFY CONTINUED PERFORMANCE.
- WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 12 INCHES.
- WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
- IF THE WASHOUT IS NEARING CAPACITY, VACUUM AND DISPOSE OF THE WASTE MATERIAL IN AN APPROVED MANNER. AFTER REMOVAL AND DISPOSAL OF HARDENED CONCRETE, BUILD A NEW STRUCTURE; OR, IF THE PREVIOUS STRUCTURE IS STILL INTACT, INSPECT FOR SIGNS OF WEAKENING OR DAMAGE, AND MAKE ANY NECESSARY REPAIRS. RE-LINE THE STRUCTURE WITH NEW PLASTIC AFTER EACH CLEANING.

REMOVAL:

- WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE, SLURRIES, AND LIQUIDS SHALL BE REMOVED AND PROPERLY DISPOSED OF.
- MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
- HOLES, DEPRESSIONS, OR OTHER GROUND DISTURBANCES CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.

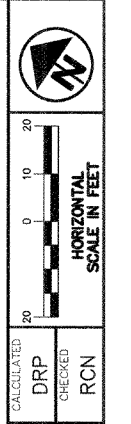
ABOVE GRADE TEMPORARY CONCRETE WASHOUT FACILITY

(NO SCALE)



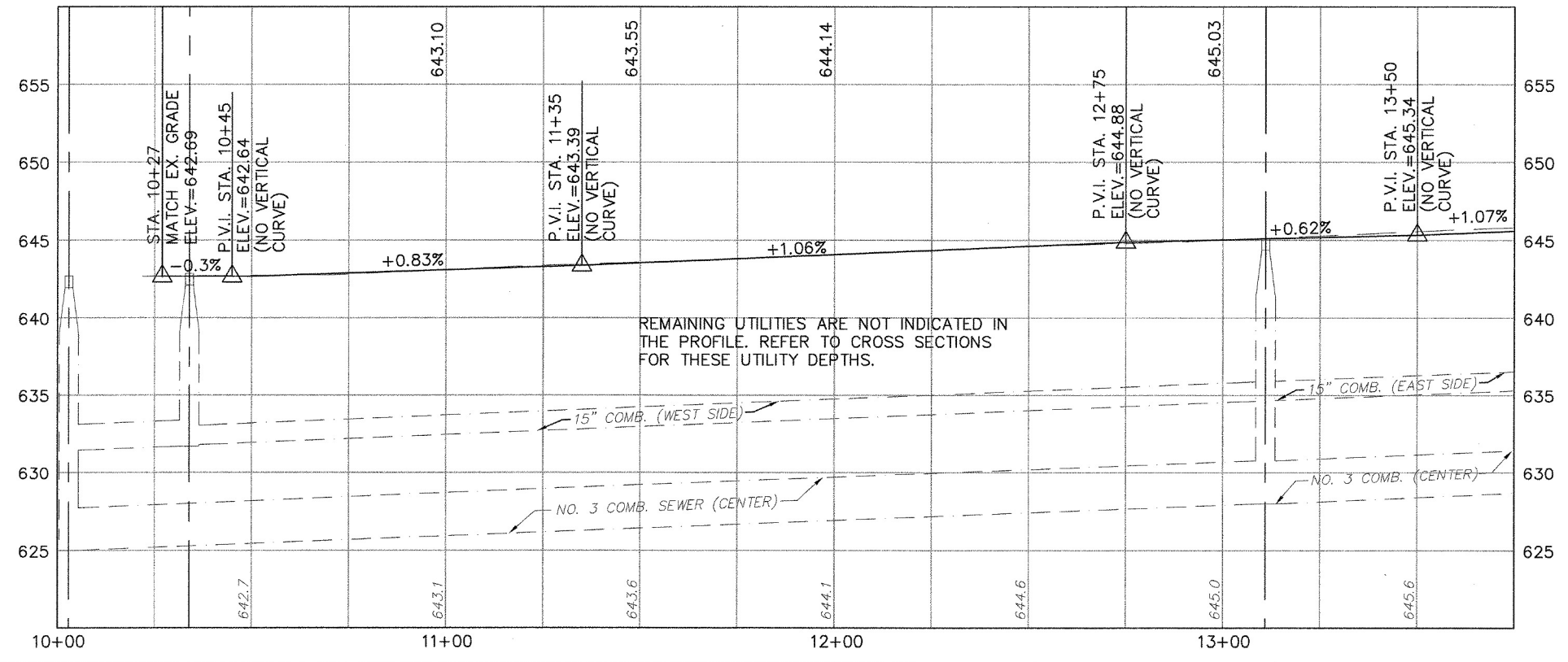
BENCH MARK:
 MBA102 MAG NAIL SET AT STA.
 10+42.69, 41.66' RT.
 ELEV.=642.56

SHEET REFERENCES	
DESCRIPTION	SHEET NO.
DRAINAGE DETAILS	24
REMOVAL & ADJUSTMENT PLAN	17
INTERSECTION & BUMPOUT DETAILS	22
SIDEWALK & DRIVEWAY QUANTITIES	11
UNDERDRAIN QUANTITIES	11
STREETSCAPE PLAN	32
LANDSCAPING PLAN	33-35



HATCHING LEGEND:

- CONCRETE SIDEWALK
- CONCRETE DRIVEWAY
- CONCRETE BUS STOP PAD
- PAVEMENT REPLACEMENT AREA
SEE DETAIL SHEET NO. 22

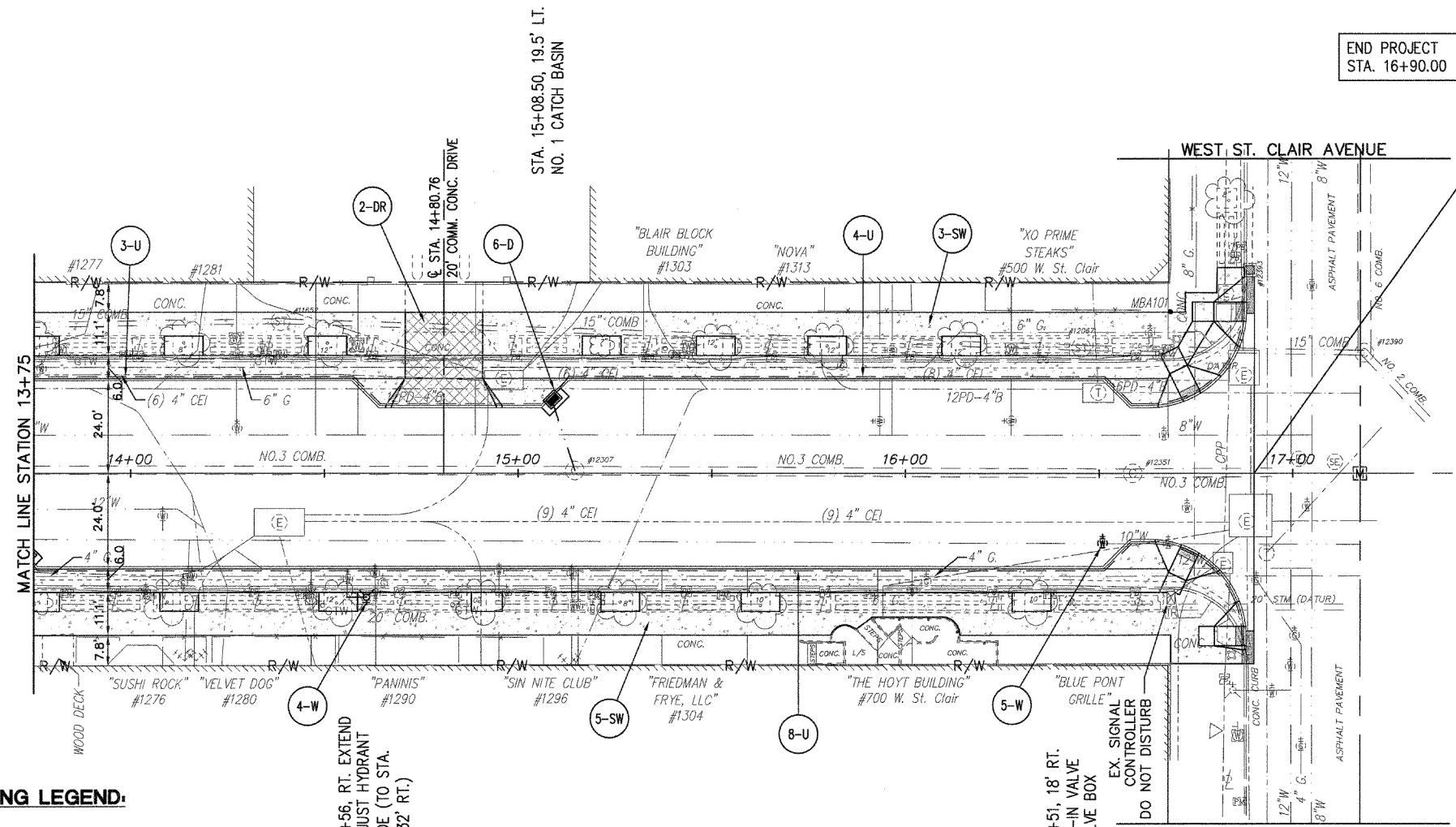


REMAINING UTILITIES ARE NOT INDICATED IN THE PROFILE. REFER TO CROSS SECTIONS FOR THESE UTILITY DEPTHS.

REF. NO.	STATION		SIDE	603		604		604		SPECIAL		SPECIAL		SPECIAL	
	FROM	TO		12" CONDUIT TYPE B VCP	CLEAN AND TELEVISION CONDUIT	NO. 1 CATCH BASIN	MH-1 MANHOLE	6" DUCTILE IRON PIPE AND FITTINGS	6" GATE VALVE WITH VALVE BOX	EXTEND AND ADJUST HYDRANT TO GRADE	FURNISHING AND SETTING HYDRANT	8" DUCTILE IRON PIPE AND FITTINGS	12" DUCTILE IRON PIPE AND FITTINGS	SPECIAL	SPECIAL
1-D	10+03	10+57		9	52	1									
2-D	10+62.50		LT.	21											
3-D	13+11	13+54	LT./RT.	43		1									
4-D	13+54	13+60.50	RT./LT.	24											
5-D	13+54	13+75	RT.	26											
1-W	10+44		LT.												
2-W	12+91		RT.												
3-W	13+55	13+65	LT.												
TOTALS TO GENERAL SUMMARY				123	52	4	1	35	2	1	2	6	6		

PLAN AND PROFILE - WEST SIXTH STREET STATION 10+00 TO STATION 13+75

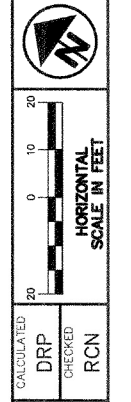
CUY-WEST SIXTH STREET STREETSCAPE



BENCH MARK:
 MBA101 MAG NAIL SET AT STA.
 16+68.36, 41.79' LT.
 ELEV.=649.69

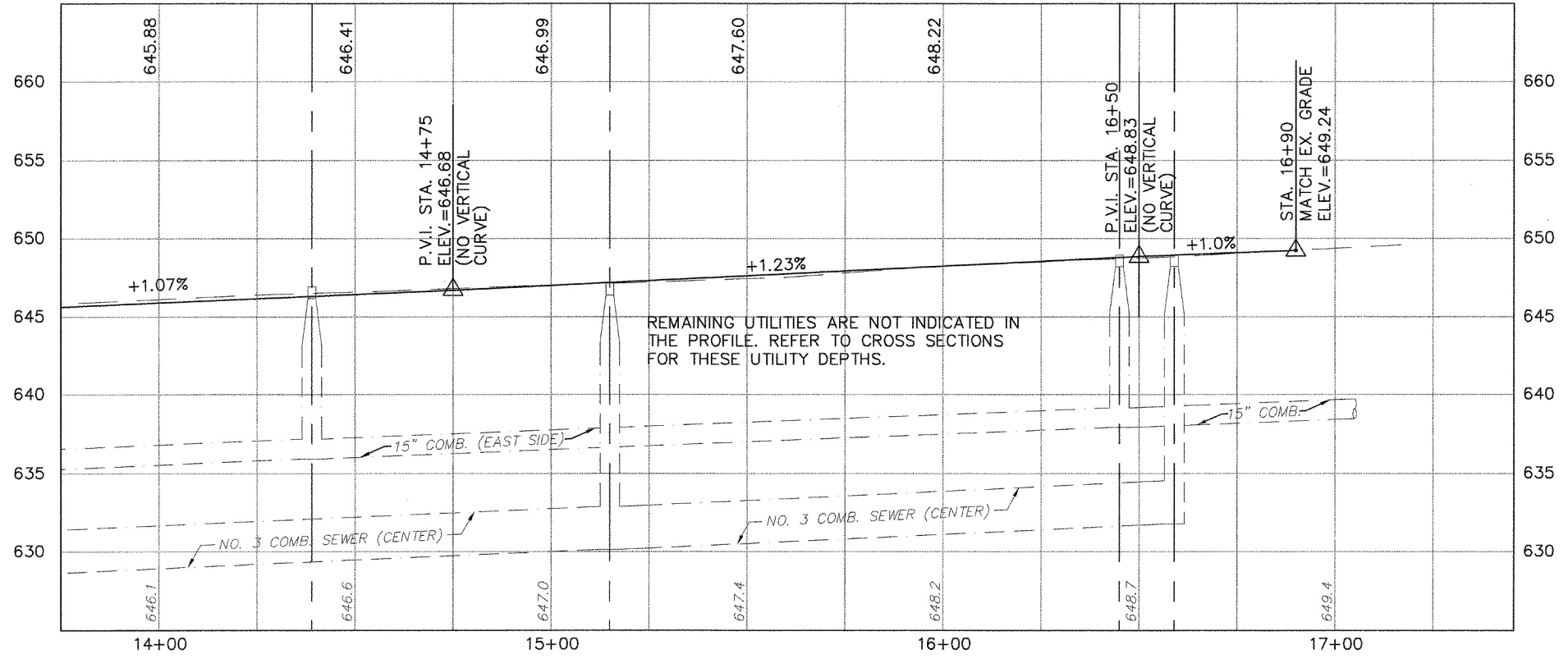
END PROJECT
 STA. 16+90.00

SHEET REFERENCES	
DESCRIPTION	SHEET NO.
DRAINAGE DETAILS	24
REMOVAL & ADJUSTMENT PLAN	17
INTERSECTION & BUMPOUT DETAILS	23
SIDEWALK & DRIVEWAY QUANTITIES	11
UNDERDRAIN QUANTITIES	11
STREETSCAPE PLAN	32
LANDSCAPING PLAN	33-35



HATCHING LEGEND:

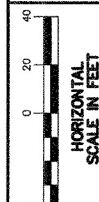
- CONCRETE SIDEWALK
- CONCRETE DRIVEWAY
- PAVEMENT REPLACEMENT AREA
SEE DETAIL SHEET NO. 22



REF. NO.	STATION		SIDE	603	604	SPECIAL	SPECIAL	SPECIAL
	FROM	TO						
6-D	15+08.5	15+15	LT.		NO. 1 CATCH BASIN EACH			
4-W	14+56	14+61	RT.					
5-W	16+51		RT.					
				20	1			
				40	1			
TOTALS TO GENERAL SUMMARY								
				+ CONTINGENCY				

**PLAN AND PROFILE - WEST SIXTH STREET
 STATION 13+75 TO STATION 17+50**

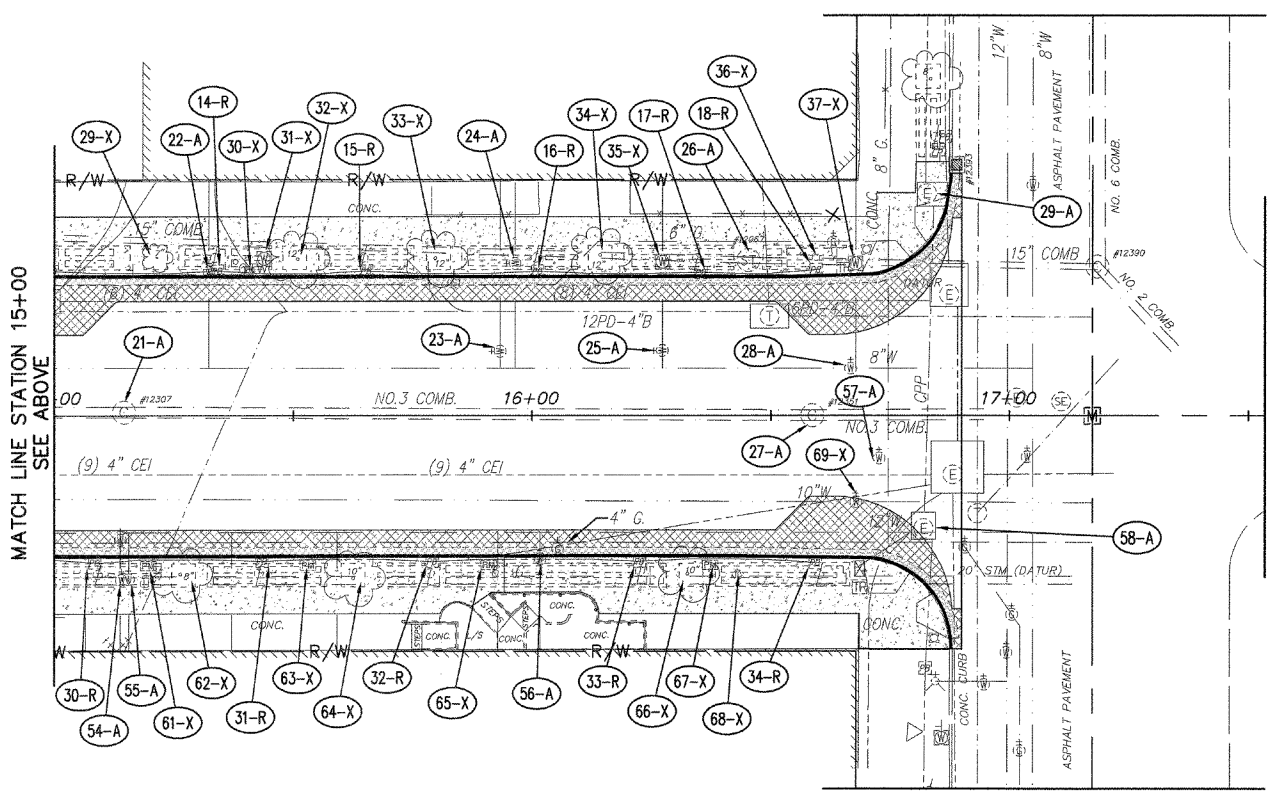
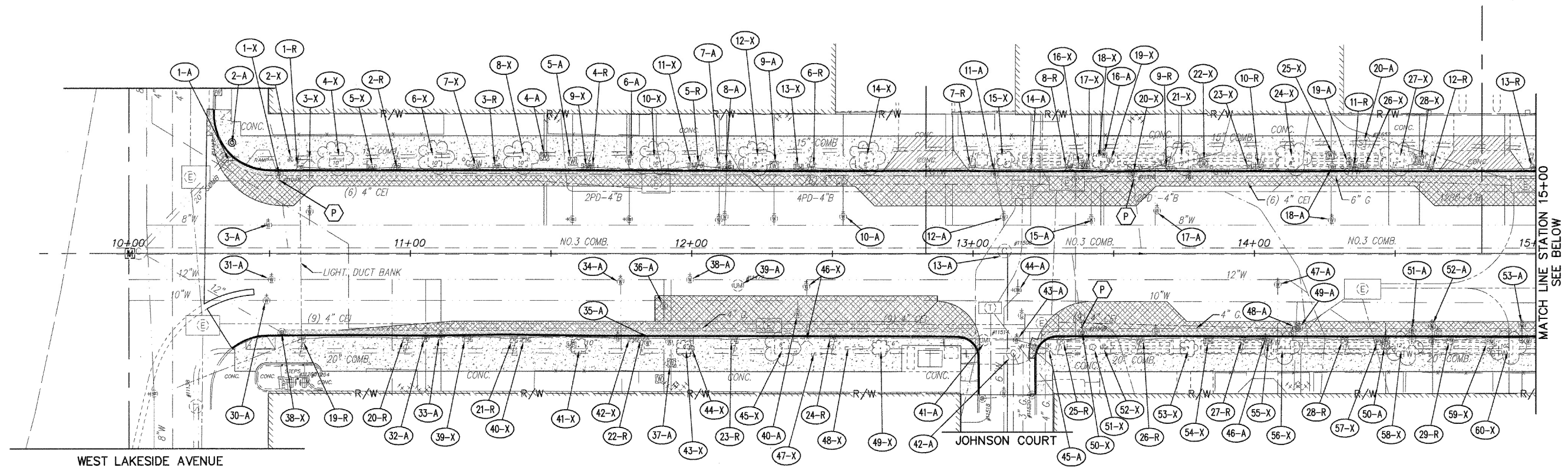
CUY-WEST SIXTH STREET STREETSCAPE



CALCULATED
DRP
CHECKED
RCN

REMOVAL AND ADJUSTMENT PLAN

CUY-WEST SIXTH STREET STREETScape



X CODED NOTES:

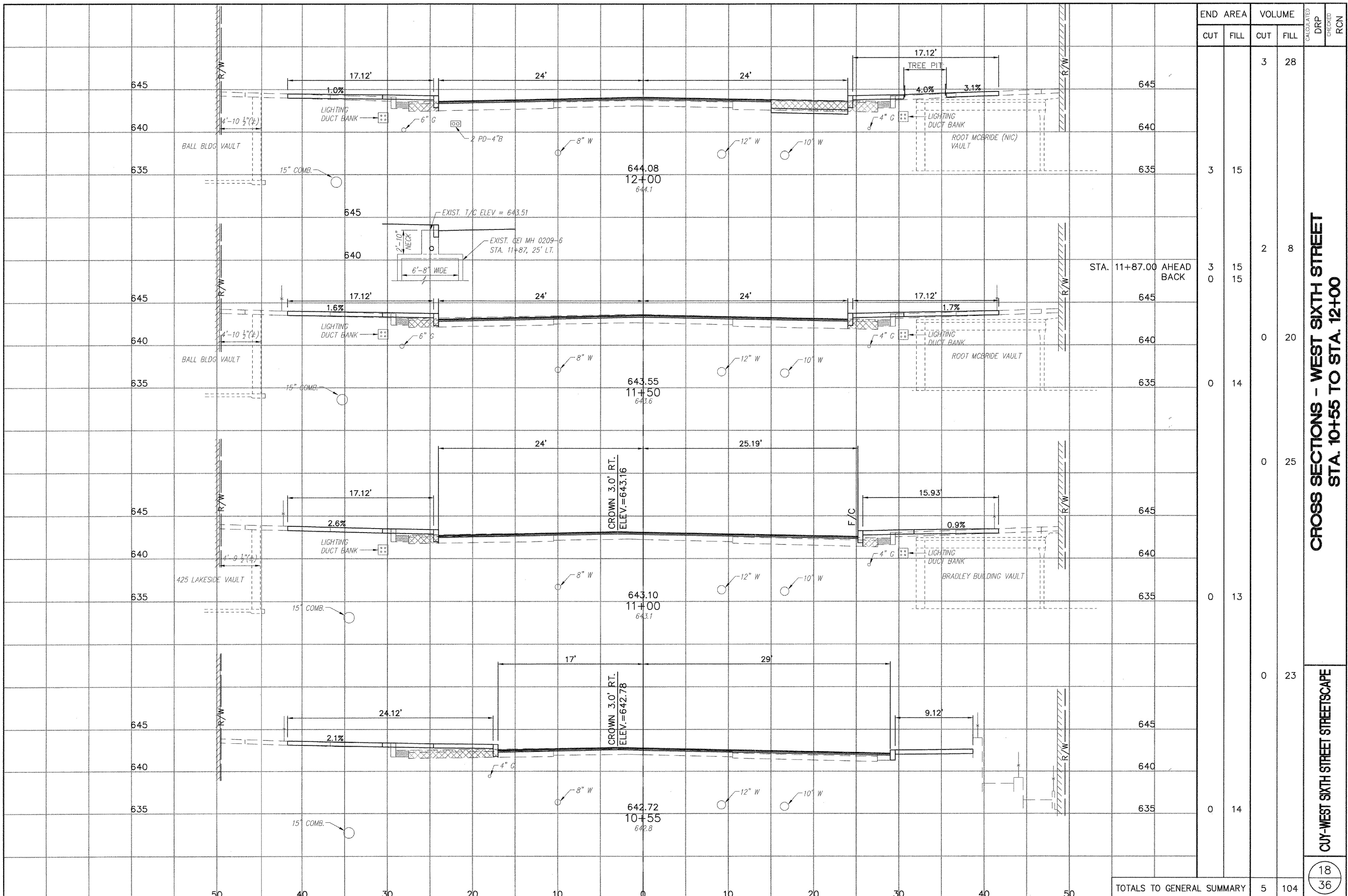
P PLUG EXISTING CONDUIT

LEGEND:

- GRANITE CURB REMOVED FOR REUSE
- PAVEMENT REMOVED
- PAVEMENT REMOVED (DRIVEWAYS)
- CONCRETE GUTTER REMOVED
- WALK REMOVED

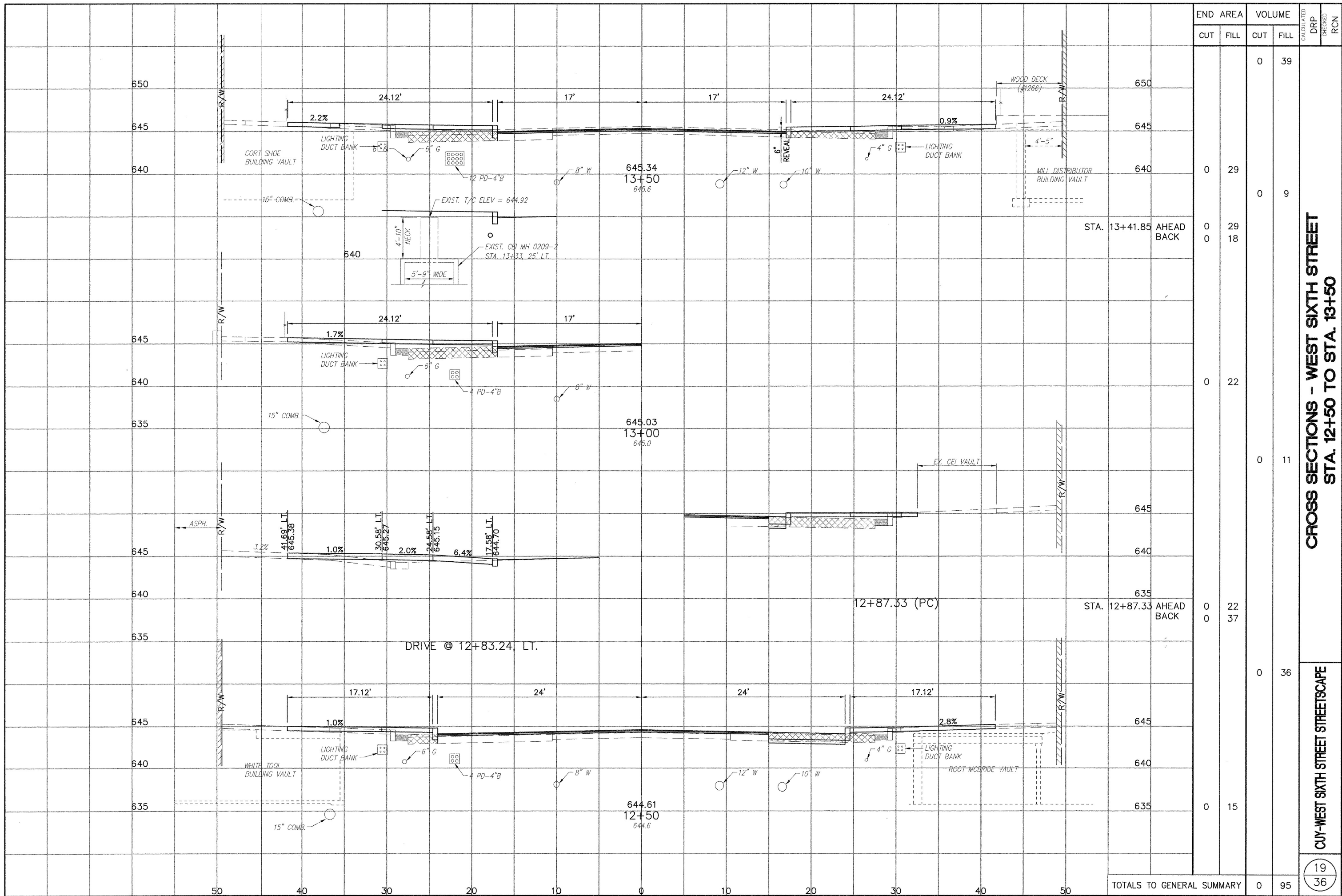
- (X-A) ITEM ADJUSTED TO GRADE
(QUANTITIES CARRIED TO SHEET NO. 13.)
- (X-R) PULLBOX REMOVED AND REPLACED
(QUANTITIES CARRIED TO SHEET NO. 13.)
- (X-X) ITEM REMOVED
(QUANTITIES CARRIED TO SHEET NO. 12.)

LOCATION	202	202	202	202	202
	PAVEMENT REMOVED	PAVEMENT REMOVED (DRIVEWAYS)	WALK REMOVED	GRANITE CURB REMOVED FOR REUSE	GUTTER REMOVED
	SQ YD	SQ YD	SQ FT	FEET	SQ YD
LEFT SIDE					
WEST LAKESIDE TO WEST ST CLAIR (DRIVEWAYS REMOVED)	415	61	7034	685	114
RIGHT SIDE					
WEST LAKESIDE TO JOHNSON CT	185		2930	285	42
JOHNSON CT TO WEST ST CLAIR	192		4176	395	65
QUANTITIES CARRIED TO GENERAL SUMMARY	792	61	14140	1365	221



END	AREA		VOLUME		CALCULATED	DRP	CHECKED	RCN
	CUT	FILL	CUT	FILL				
645			3	28				
640								
635	3	15						
645								
640								
635	3	15	2	8				
645								
640			0	20				
635	0	14						
645								
640								
635	0	13						
645								
640								
635	0	14						
TOTALS TO GENERAL SUMMARY			5	104				

CROSS SECTIONS - WEST SIXTH STREET
STA. 10+55 TO STA. 12+00
CUY-WEST SIXTH STREET STREETScape

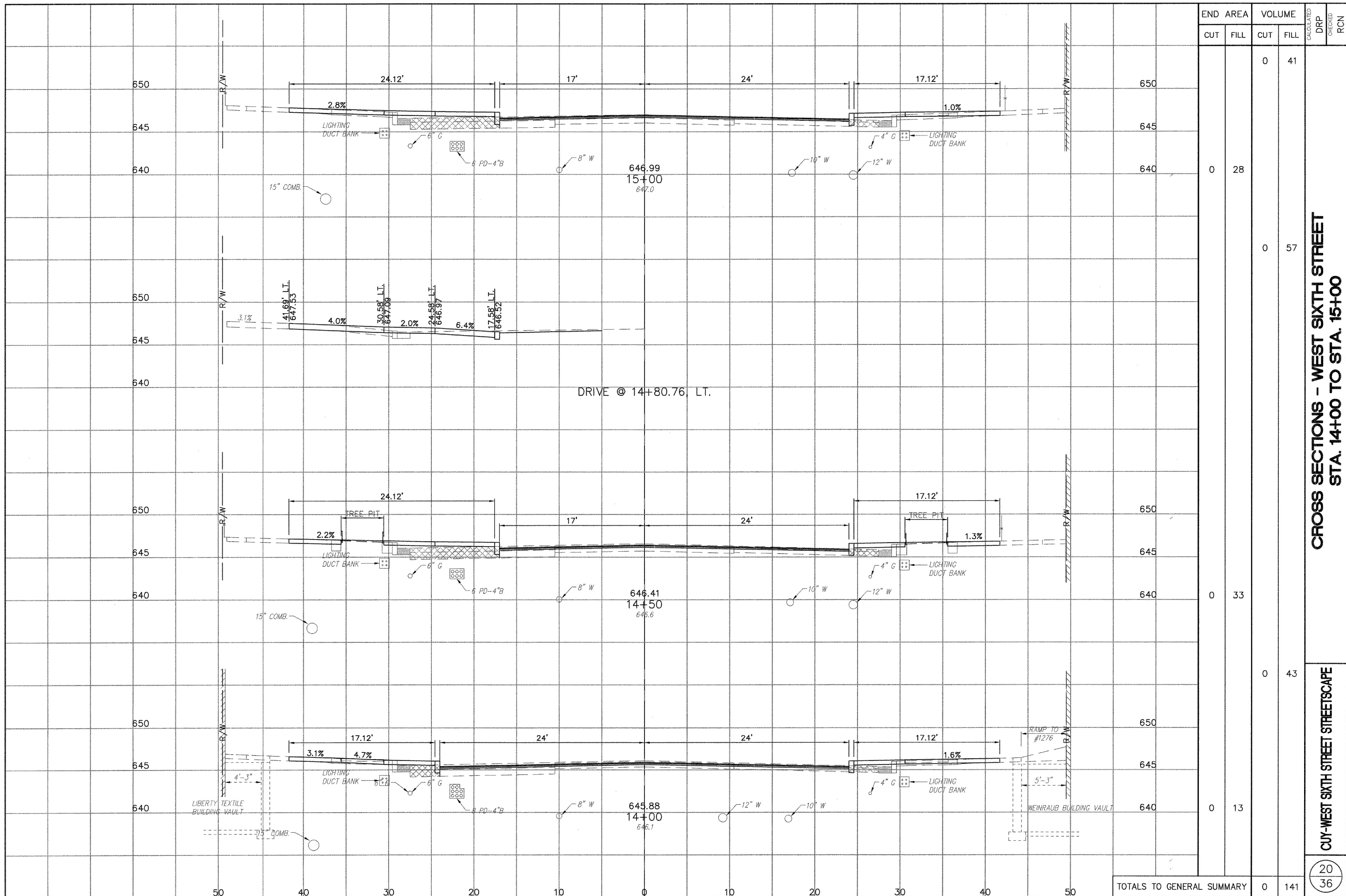


STATION	END AREA		VOLUME		CALCULATED	DRP	CHECKED	RCN
	CUT	FILL	CUT	FILL				
650			0	39				
645								
640	0	29	0	9				
640	0	29	0	18				
645								
640	0	22						
635			0	11				
645								
640	0	22	0	37				
635			0	36				
645								
640	0	15						
635								
TOTALS TO GENERAL SUMMARY			0	95				

**CROSS SECTIONS - WEST SIXTH STREET
 STA. 12+50 TO STA. 13+50**

CUY-WEST SIXTH STREET STREETSCAPE

1:\Inet\5314 DSI Inc\Touland\Tadon & Gen Eng\Gund\31100\Drawings\Touland\Plan\19-West Sixth Street\West Sixth Street Streetscape.dwg 1/21/2019 9:50:30 AM PMS: Tn DSE nr3

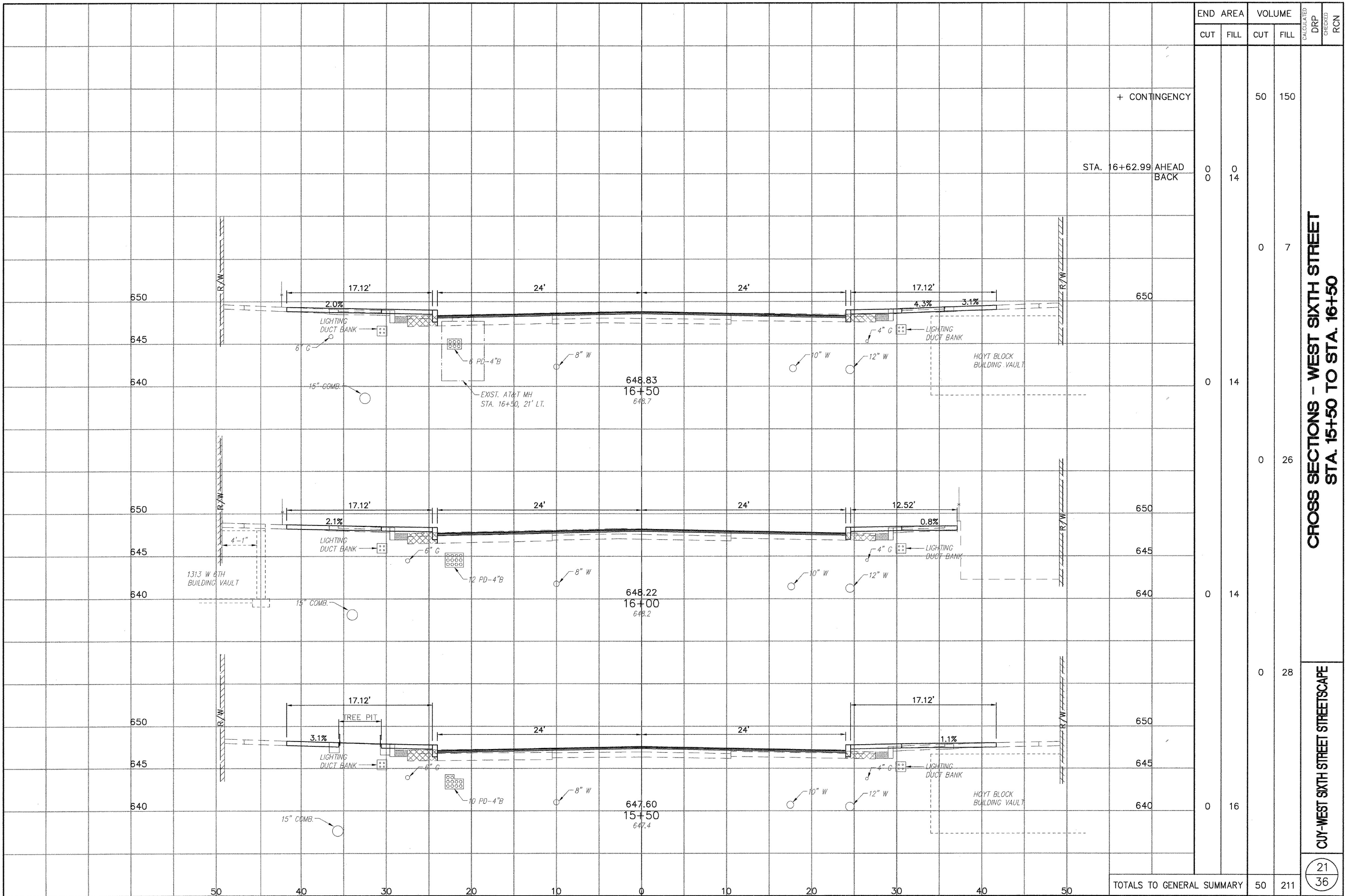


STATION	END AREA		VOLUME		CALCULATED	DRP	CHECKED	RCN
	CUT	FILL	CUT	FILL				
15+00	0	28	0	41				
14+80.76	0	0	0	57				
14+50	0	33	0	33				
14+00	0	13	0	43				
TOTALS TO GENERAL SUMMARY				0	141			

CROSS SECTIONS - WEST SIXTH STREET
STA. 14+00 TO STA. 15+00

CUY-WEST SIXTH STREET STREETSCAPE

I:\Inch\5304 P&T\Drawings\Traction & Can Four\042100\Drawings\Plan\Plan\114-West Sixth Street\West Sixth Cross Sections.dwg 1/21/2013 9:59:40 AM DWG To PDF v3

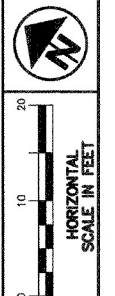


STATION	END AREA		VOLUME		CALCULATED DRP	CHECKED RCN
	CUT	FILL	CUT	FILL		
15+50	0	0	0	0		
16+00	0	14	0	26		
16+50	0	14	0	7		
16+62.99	0	14	0	150		
TOTALS TO GENERAL SUMMARY	0	16	0	211		

**CROSS SECTIONS - WEST SIXTH STREET
 STA. 15+50 TO STA. 16+50**

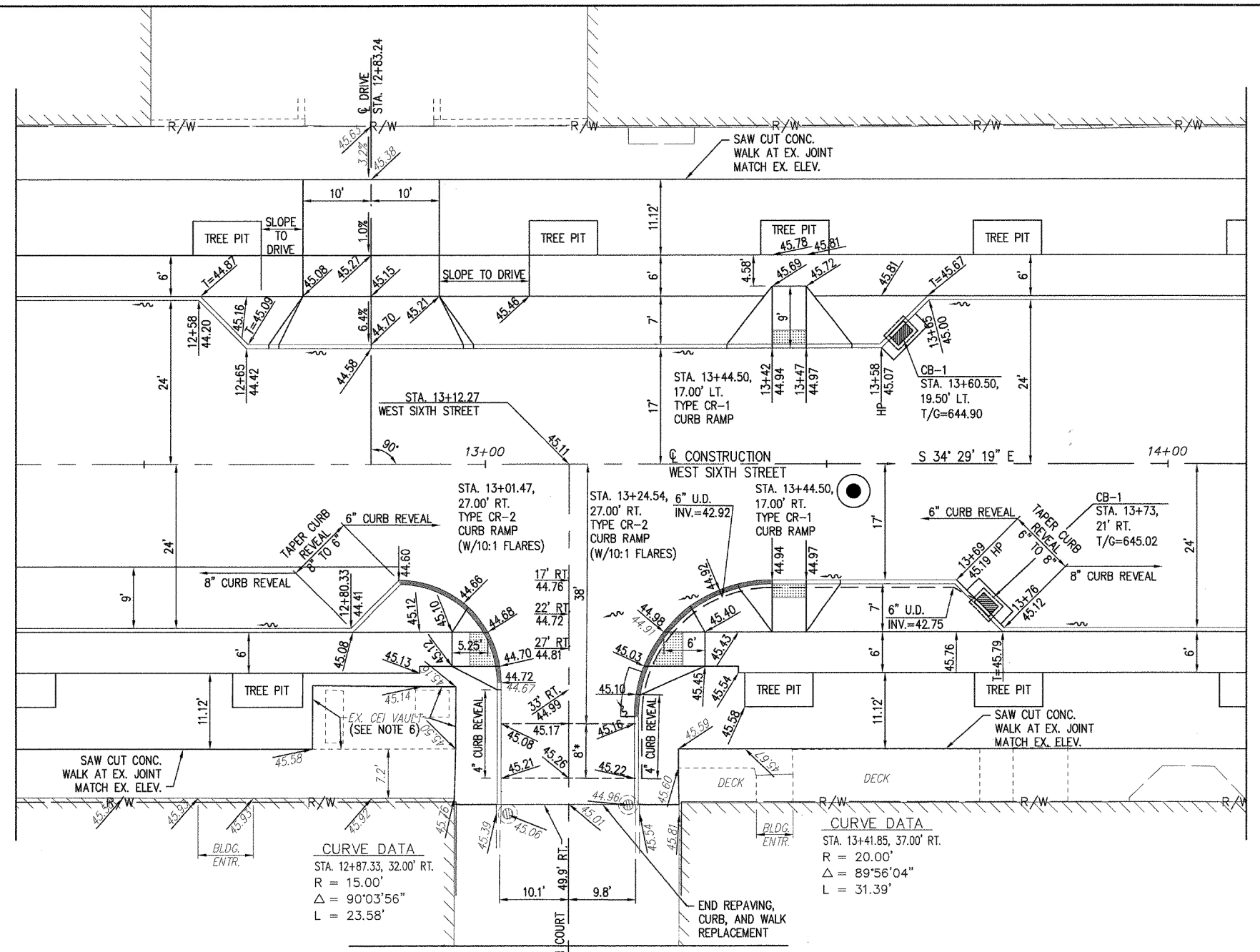
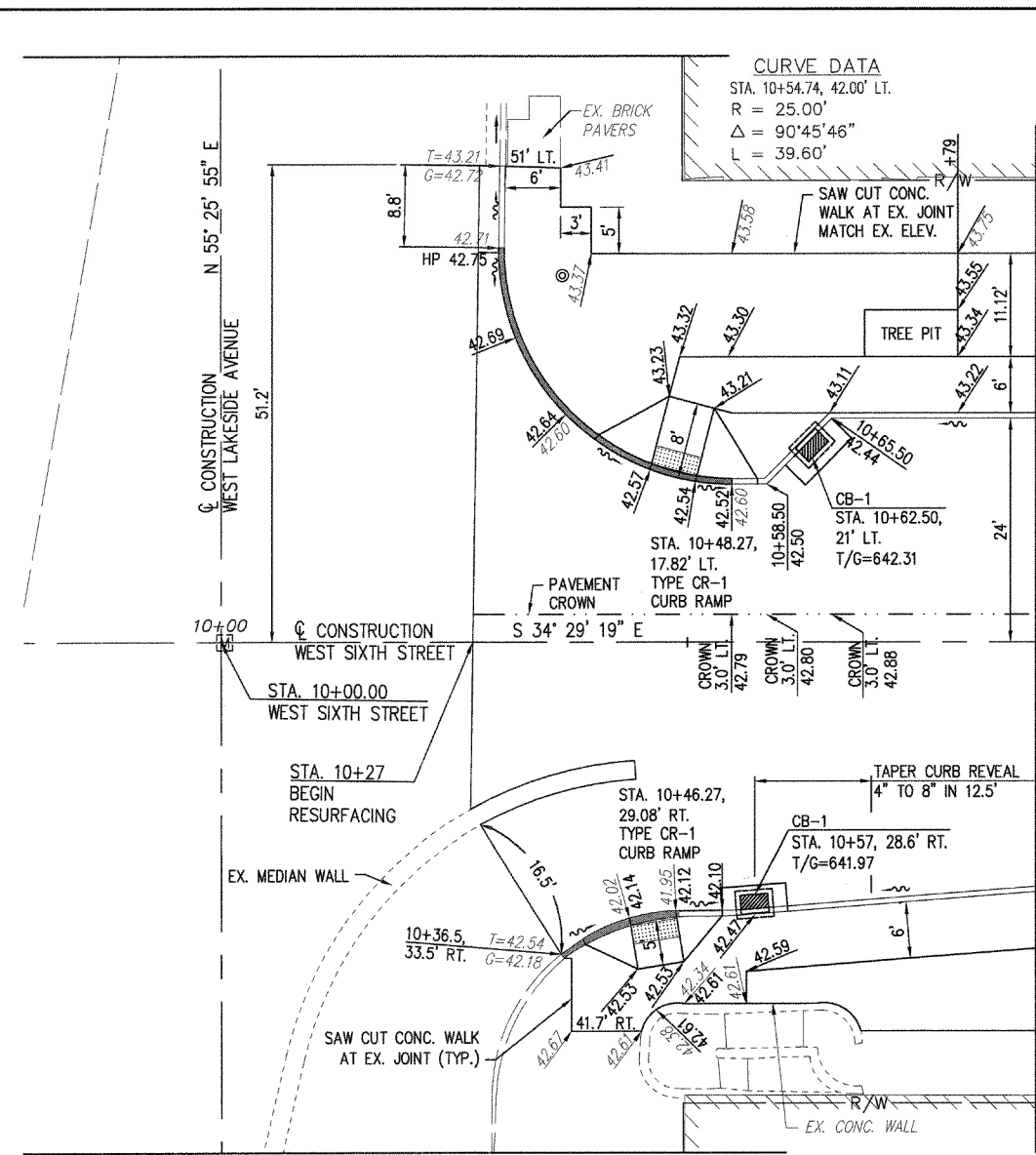
CUY WEST SIXTH STREET STREETSCAPE

21
 36



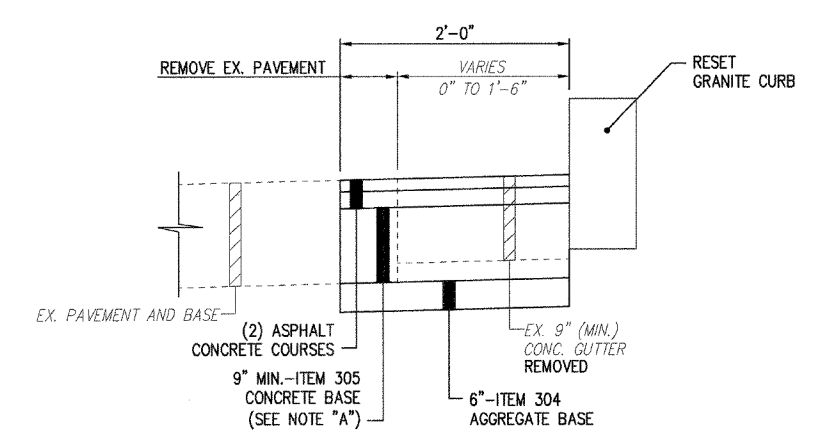
**INTERSECTION AND BUMPOUT DETAILS
WEST SIXTH STREET**

CUT-WEST SIXTH STREET STREETSCAPE



WEST SIXTH STREET/WEST LAKESIDE AVENUE INTERSECTION

**BUMPOUT STA. 12+58 TO STA. 13+65, LT. SIDE AND
WEST SIXTH STREET/JOHNSON COURT INTERSECTION**

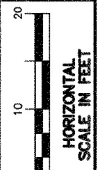


NOTE:
 "A" - THE BOTTOM OF THE CONCRETE BASE SHALL BE AT THE SAME ELEVATION AT THE EXISTING BASE, OR BE A MINIMUM OF 9" THICK, WHICHEVER IS GREATER.

- LEGEND:**
- GRANITE CURB
 - COLORED VERTICAL CURB
 - XX.XX EXISTING ELEVATION (SEE NOTE 5)
 - XX.XX PROPOSED ELEVATION
 - ~ SURFACE FLOW
 - T= TOP OF CURB ELEVATION
 - G= GUTTER ELEVATION
 - HP HIGH POINT

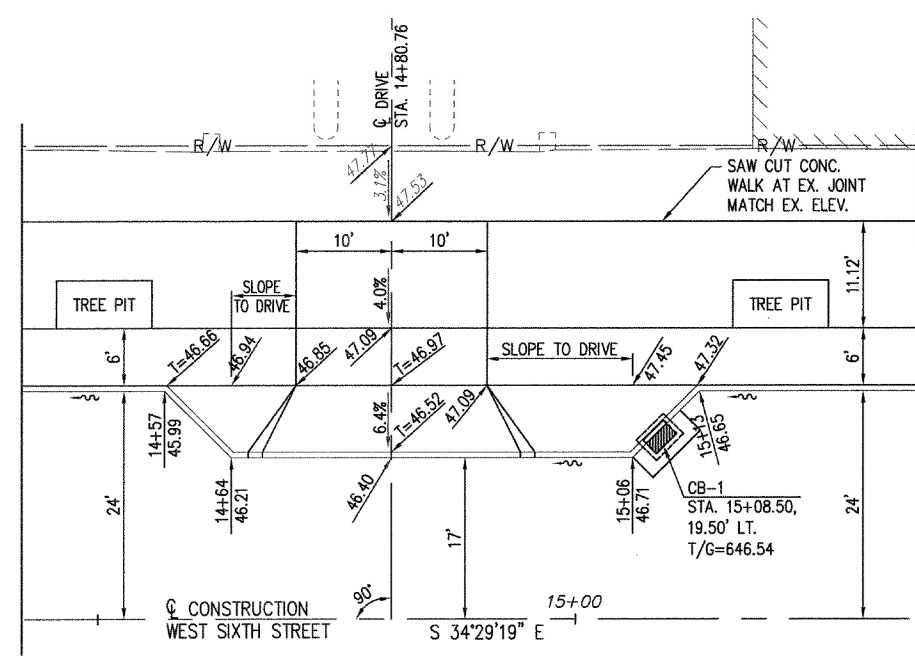
- NOTES:**
1. UNLESS NOTED, ALL ELEVATIONS ALONG THE CURB ARE GUTTER (BOTTOM OF CURB) ELEVATIONS.
 2. UNLESS NOTED, ALL DIMENSIONS ALONG THE CURB ARE TO THE FACE OF CURB.
 3. ADD 800 TO THE ELEVATION SHOWN FOR ACTUAL ELEVATION.
 4. FOR DRIVEWAY DETAILS, SEE SHEET NO. 27.
 5. THE CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS AND CONTACT THE ENGINEER IF THE ACTUAL ELEVATION VARIES ENOUGH THAT THE PROPOSED SIDEWALKS AND/OR CURB RAMPS AS SHOWN WILL NOT BE COMPLIANT.
 6. DO NOT DISTURB EXISTING CEI VAULT. NEW CONCRETE WALK IS TO MATCH THE TOP OF THE EXISTING CONCRETE VAULT TOP.

* = MATCH EXISTING RAISED PAVEMENT ON JOHNSON COURT



INTERSECTION AND BUMPOUT DETAILS
WEST SIXTH STREET

CUY-WEST SIXTH STREET STREETScape



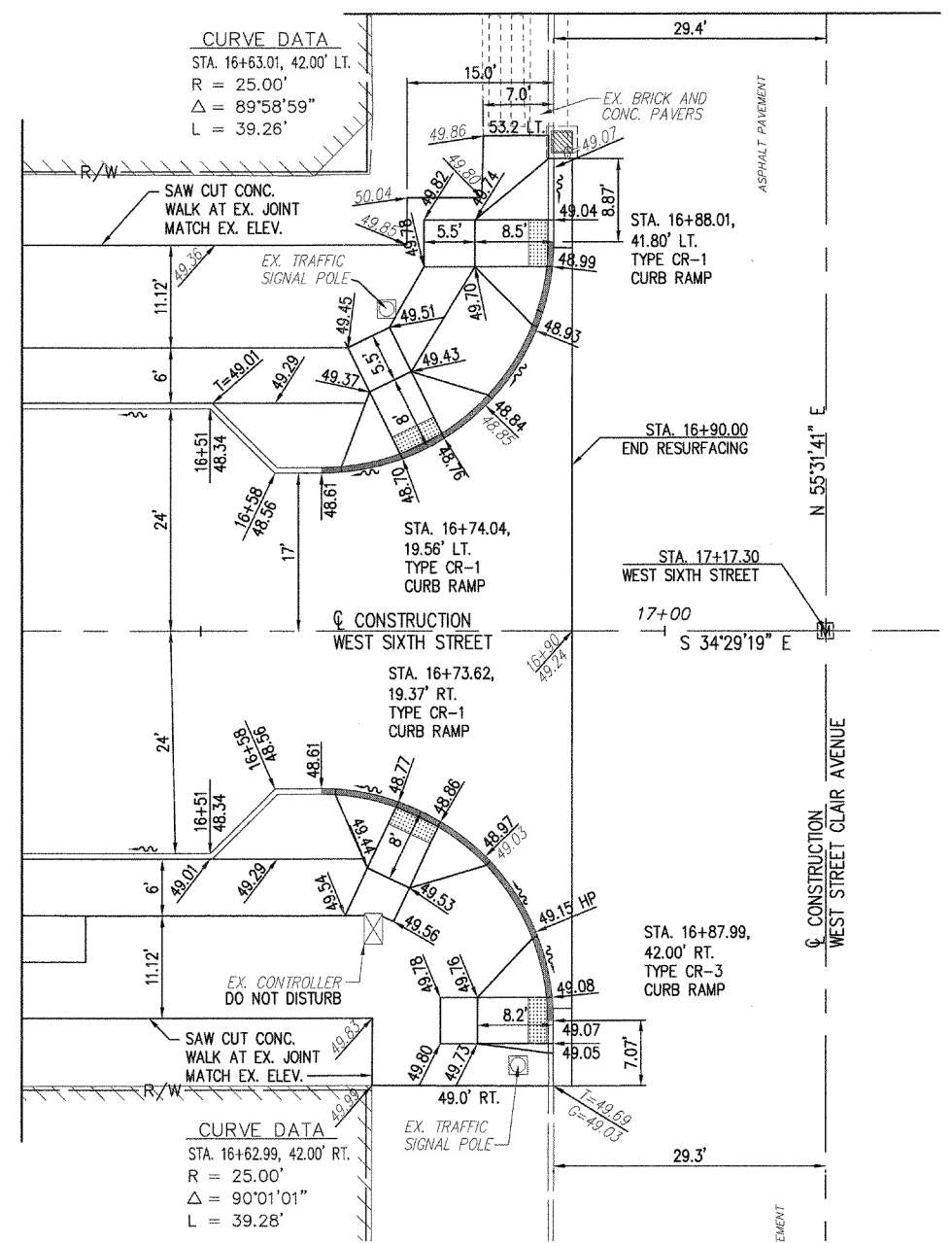
BUMPOUT STA. 14+57 TO STA. 15+13, LT. SIDE

NOTES:

1. UNLESS NOTED, ALL ELEVATIONS ALONG THE CURB ARE GUTTER (BOTTOM OF CURB) ELEVATIONS.
2. UNLESS NOTED, ALL DIMENSIONS ALONG THE CURB ARE TO THE FACE OF CURB.
3. ADD 600 TO THE ELEVATION SHOWN FOR ACTUAL ELEVATION.
4. FOR DRIVEWAY DETAILS, SEE SHEET NO. 27.
5. THE CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS AND CONTACT THE ENGINEER IF THE ACTUAL ELEVATION VARIES ENOUGH THAT THE PROPOSED SIDEWALKS AND/OR CURB RAMPS AS SHOWN WILL NOT BE COMPLIANT.

LEGEND:

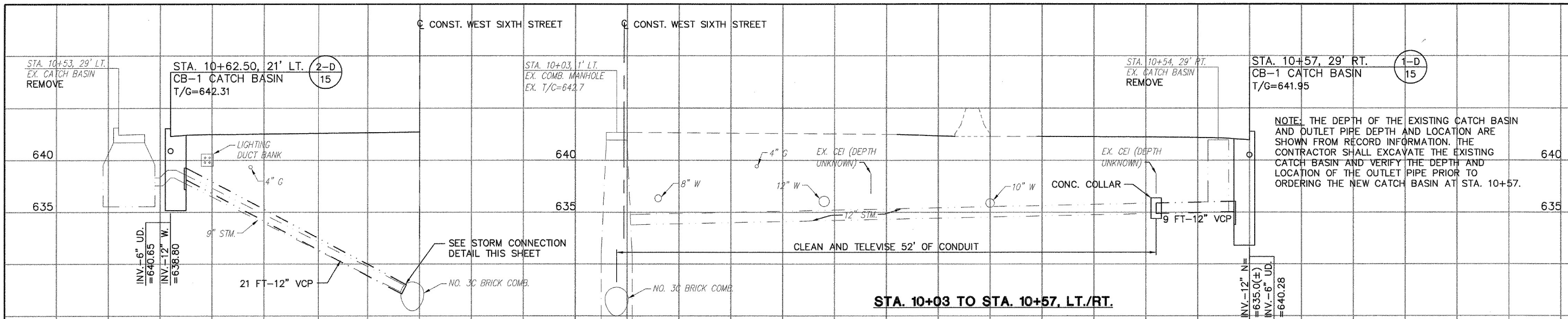
- GRANITE CURB
- COLORED VERTICAL CURB
- XX.XX EXISTING ELEVATION (SEE NOTE 5)
- XX.XX PROPOSED ELEVATION
- ~ SURFACE FLOW
- T= TOP OF CURB ELEVATION
- G= GUTTER ELEVATION
- HP HIGH POINT



WEST SIXTH STREET/WEST ST. CLAIR AVENUE INTERSECTION

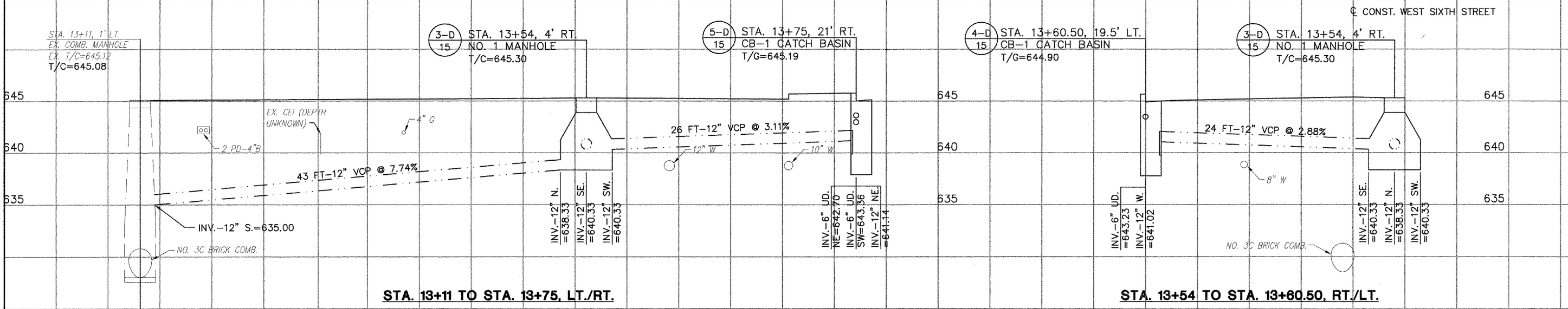
CURVE DATA
 STA. 16+63.01, 42.00' LT.
 R = 25.00'
 Δ = 89°58'59"
 L = 39.26'

CURVE DATA
 STA. 16+62.99, 42.00' RT.
 R = 25.00'
 Δ = 90°01'01"
 L = 39.28'



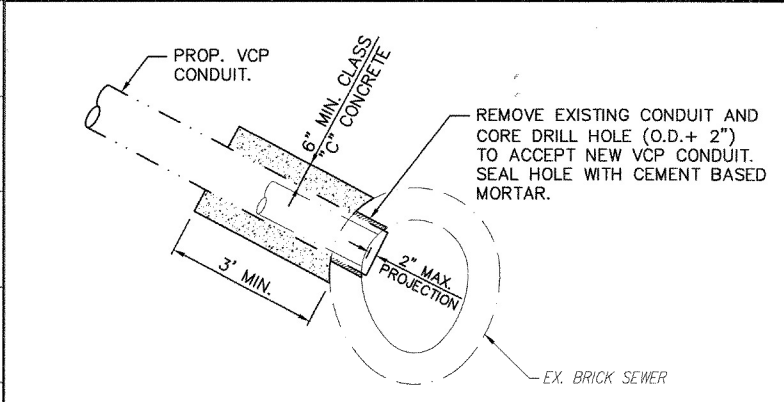
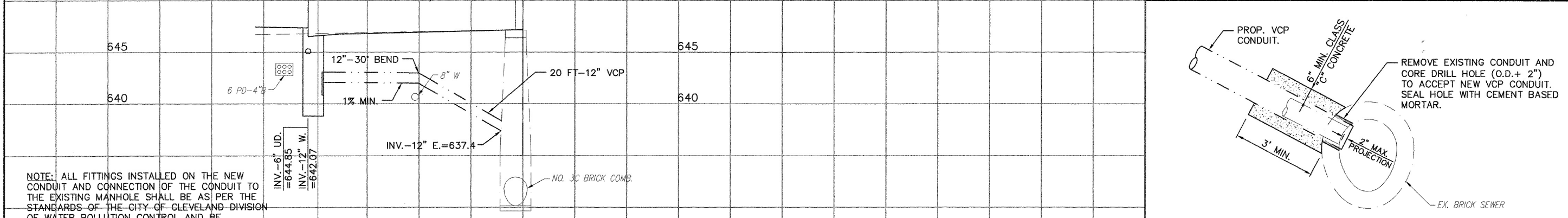
STA. 10+62.50, LT.

NOTE: THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING OPENING AND USE THE SAME OPENING FOR THE NEW CATCH BASIN CONNECTION. REMOVAL OF THE EXISTING CONDUIT AS NECESSARY SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 603, 12" CONDUIT, TYPE B.

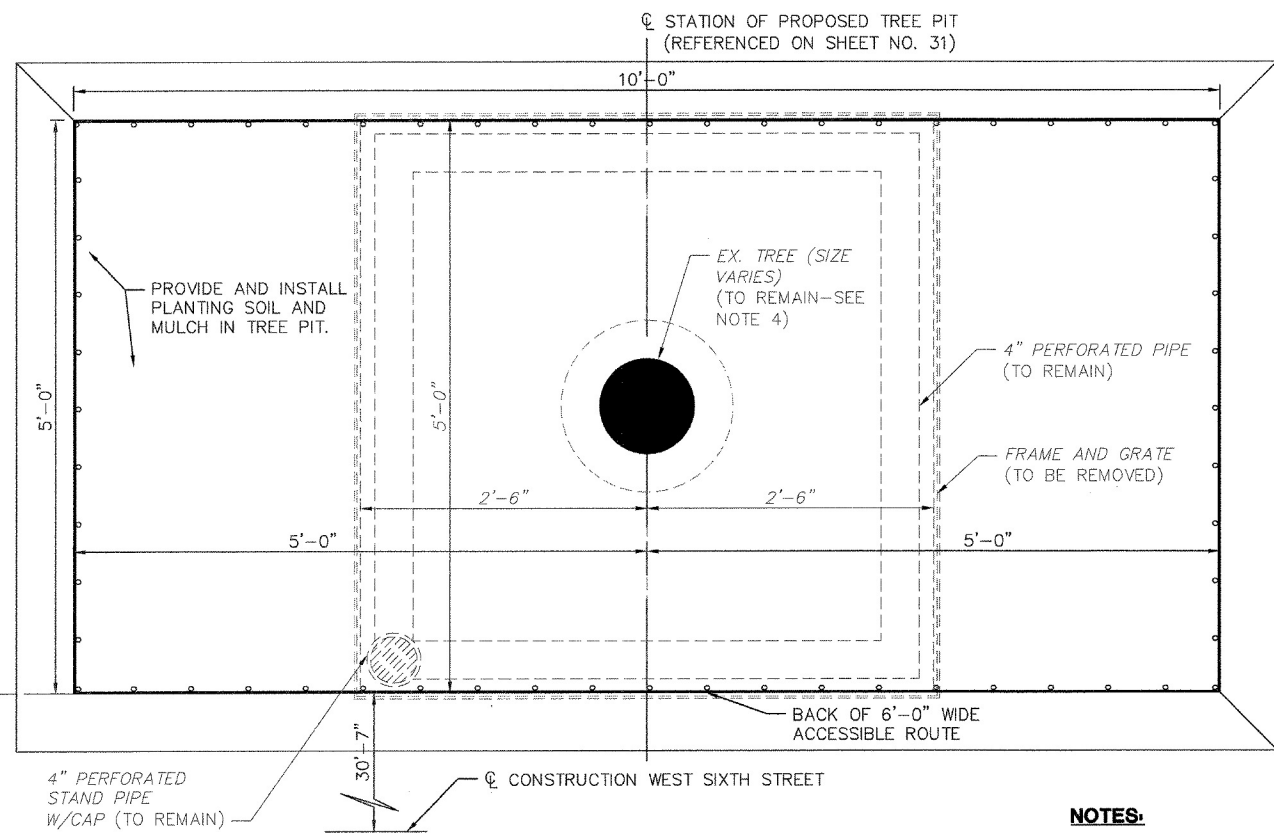


6-D STA. 15+08.5, 19.5' LT. CB-1 CATCH BASIN T/G=646.52

STA. 15+15, 1' LT. EX. COMB. MANHOLE EX. T/C=647.13 T/C=647.16



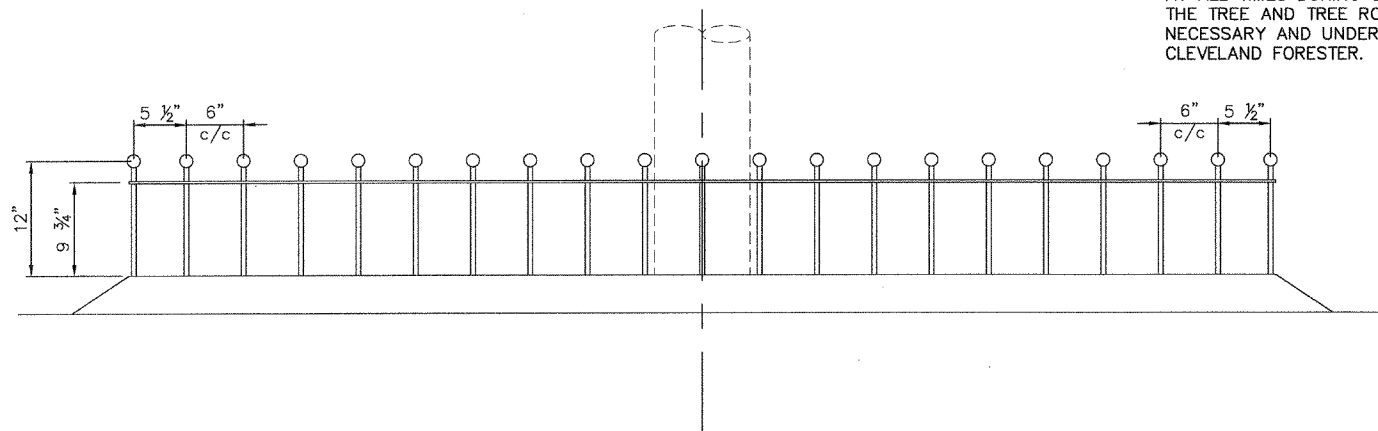
STORM CONNECTION DETAIL



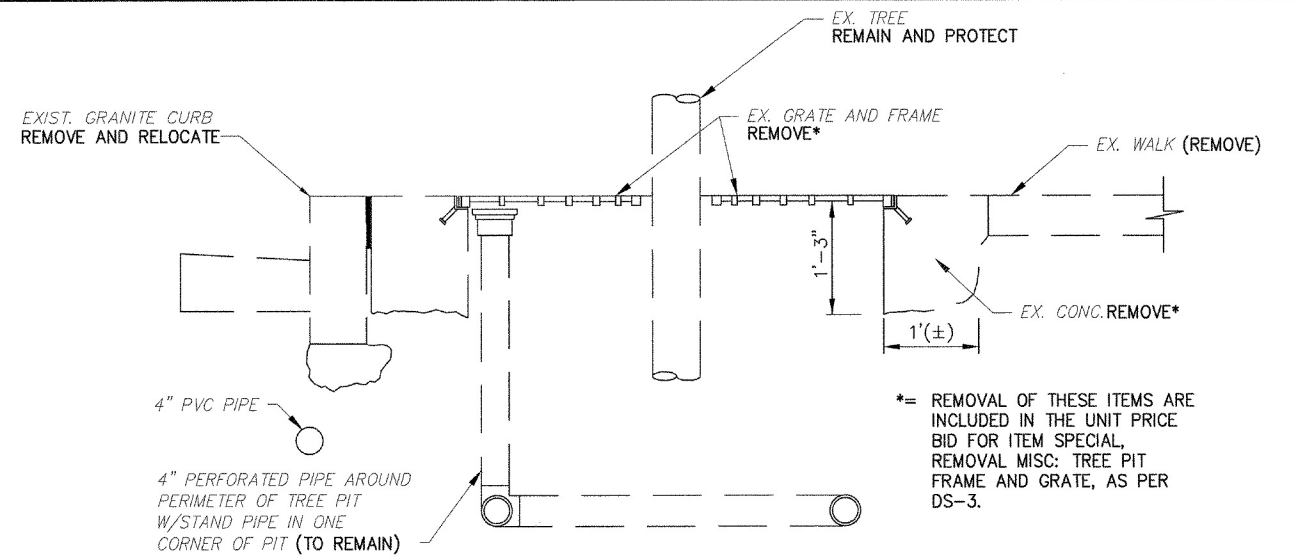
TREE PIT PLAN
SCALE 1"=10'

NOTES:

1. THE CENTER LINE OF THE EXISTING TREE PIT MAY NOT BE AT THE SAME LOCATION AS THE PROPOSED TREE PIT.
2. SEE SHEET NO. 33 TO 35 FOR TREE PIT LANDSCAPING DETAILS. ALL TREE PIT PLANTINGS ARE INCLUDED IN THE PART 1, ALTERNATE 2 BID.
3. FURNISHING AND INSTALLING THE TREE PIT RAILING (INCLUDING PLATE AND ANCHOR BOLTS) IS INCLUDED IN PART 1, ALTERNATE 1 BID.
4. THE CONTRACTOR IS TO PROTECT THE EXISTING TREE AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT. THE TREE AND TREE ROOTS SHALL BE PRUNED AS NECESSARY AND UNDER THE DIRECTION OF THE CITY OF CLEVELAND FORESTER.

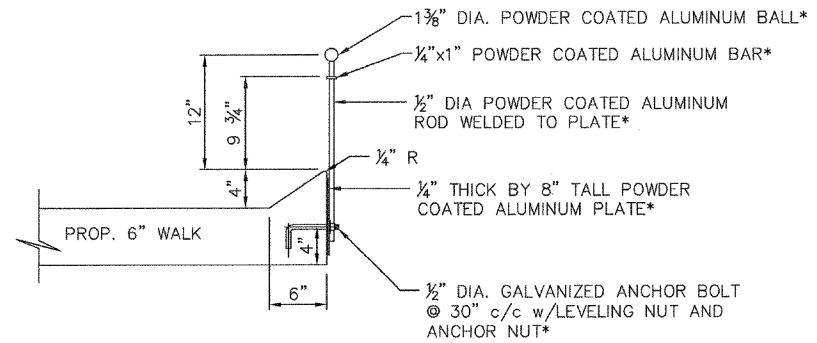


ELEVATION VIEW



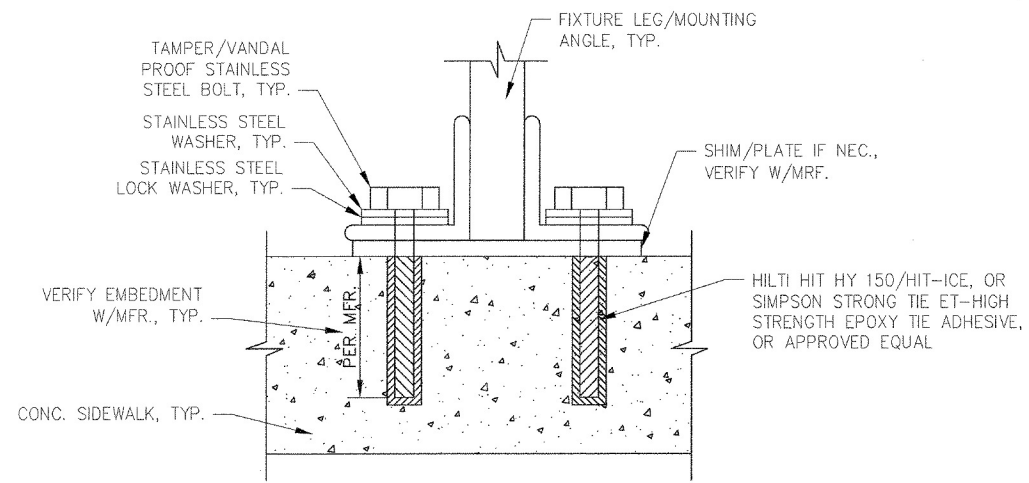
EXISTING TREE PIT DETAIL

*= REMOVAL OF THESE ITEMS ARE INCLUDED IN THE UNIT PRICE BID FOR ITEM SPECIAL, REMOVAL MISC: TREE PIT FRAME AND GRATE, AS PER DS-3.

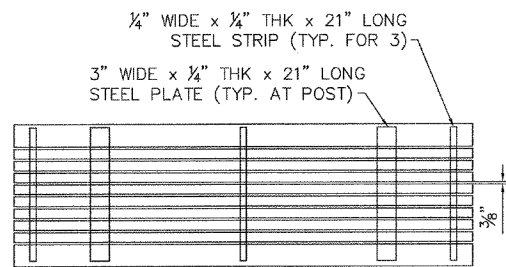


*=INDICATES ITEM INCLUDED IN THE UNIT PRICE BID FOR ITEM SPECIAL, ORNAMENTAL FENCING FOR TREE PITS (PART 1, ALTERNATE 1)

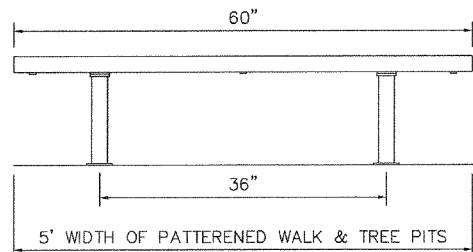
TYPICAL RAILING SECTION
(PART 1, ALTERNATE 1)



**SURFACE MOUNT FIXTURE
CONNECTION TO CONC. SIDEWALK**



TOP VIEW

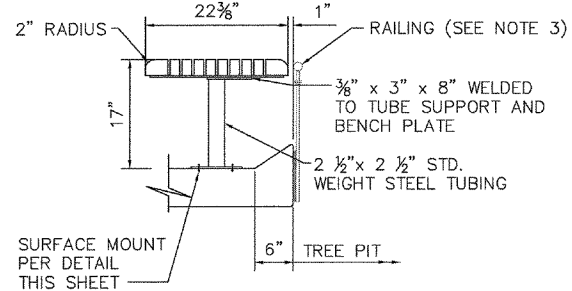


FRONT VIEW

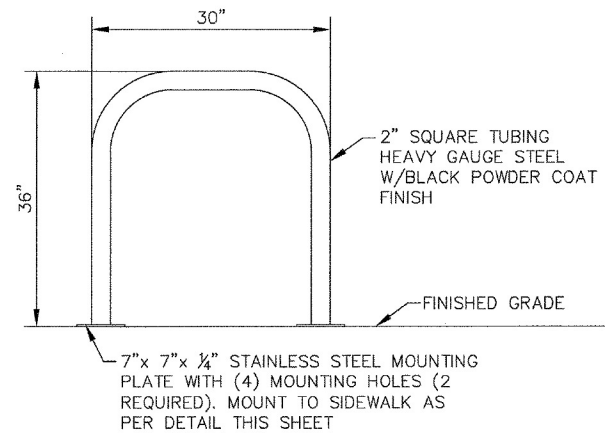
BENCH DETAIL

NOTES:

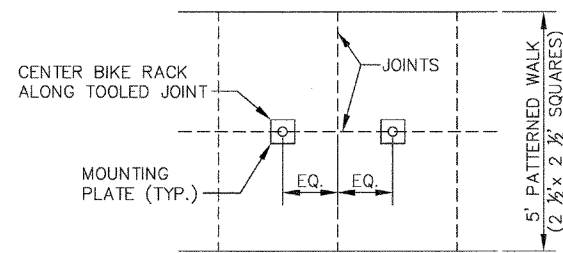
1. CONTRACTOR IS TO INSTALL THE BENCH SO THAT THE BACK EDGE OF THE BENCH IS ONE INCH (1") FROM THE EDGE OF THE TREE PIT.
2. FASTEN EACH BOARD TO EACH PLATE AND STRAP WITH BLACK, PHOSPHATE PLATED SCREWS.
3. THE TREE PIT RAILING IS SHOWN ON THIS DETAIL FOR INFORMATION ONLY. REFER TO SHEET NO. 25 FOR RAILING DETAILS.



SIDE VIEW



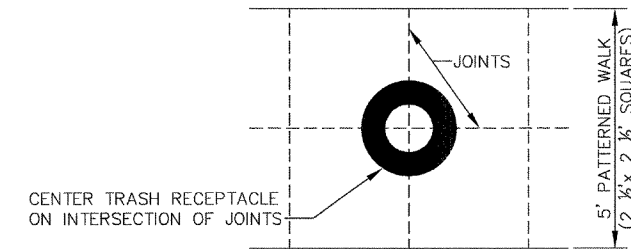
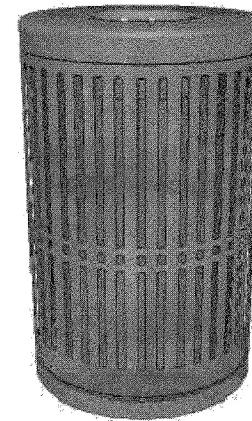
FRONT VIEW



TOP VIEW

REFER TO DETAILED SPECIFICATIONS DS-32 FOR FURTHER DETAILS

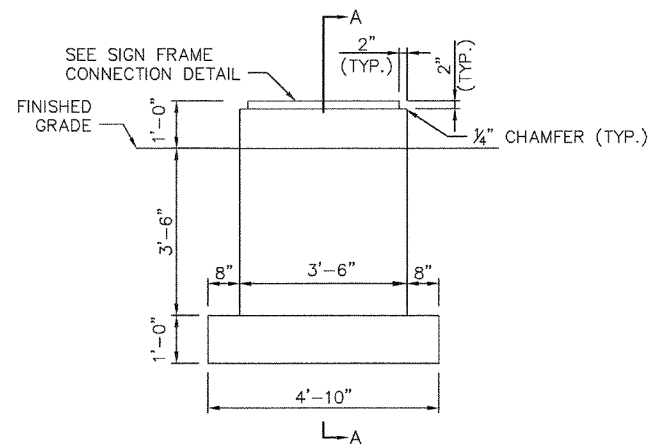
BIKE RACK DETAIL



TOP VIEW

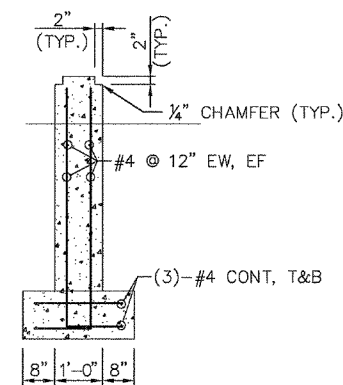
SURFACE MOUNT PER DETAIL THIS SHEET

REPRESENTATIVE TRASH RECEPTACLE

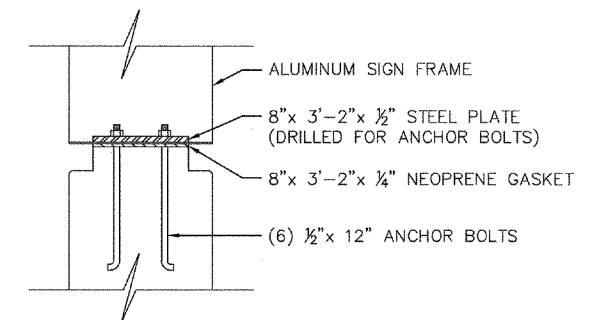


FRONT VIEW

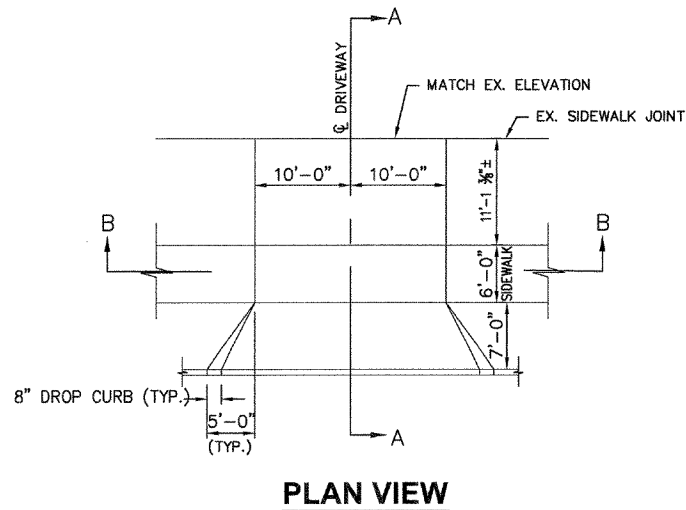
PUBLIC ART FOUNDATION DETAIL



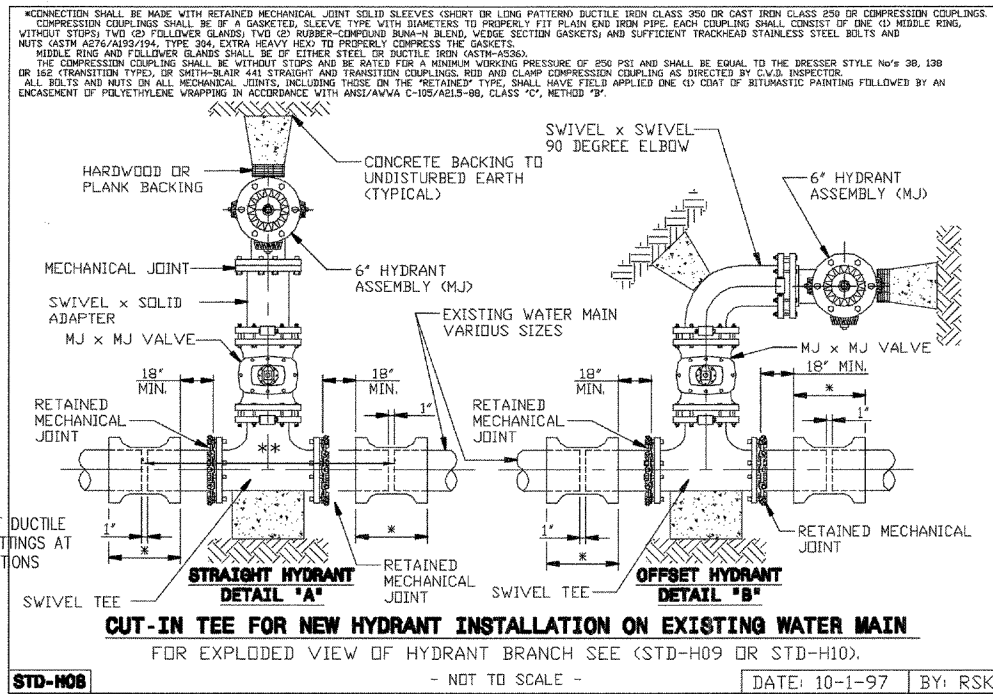
SECTION A-A



SIGN FRAME CONNECTION DETAIL



PLAN VIEW



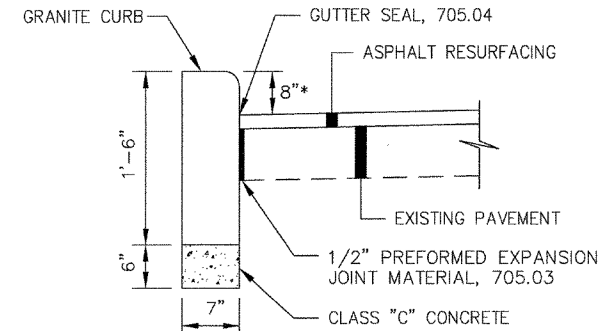
CUT-IN TEE FOR NEW HYDRANT INSTALLATION ON EXISTING WATER MAIN

FOR EXPLODED VIEW OF HYDRANT BRANCH SEE (STD-H09 OR STD-H10).

STD-H08

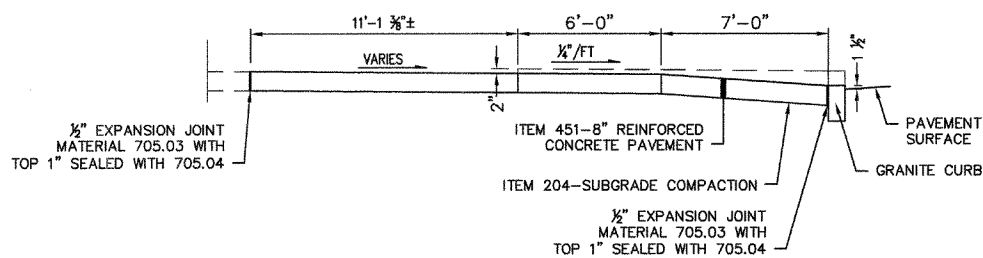
- NOT TO SCALE -

DATE: 10-1-97 BY: RSK

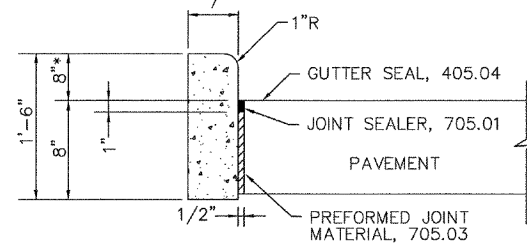


* = 8" REVEAL UNLESS OTHERWISE INDICATED

ITEM 609, GRANITE CURB RESET



SECTION A - A

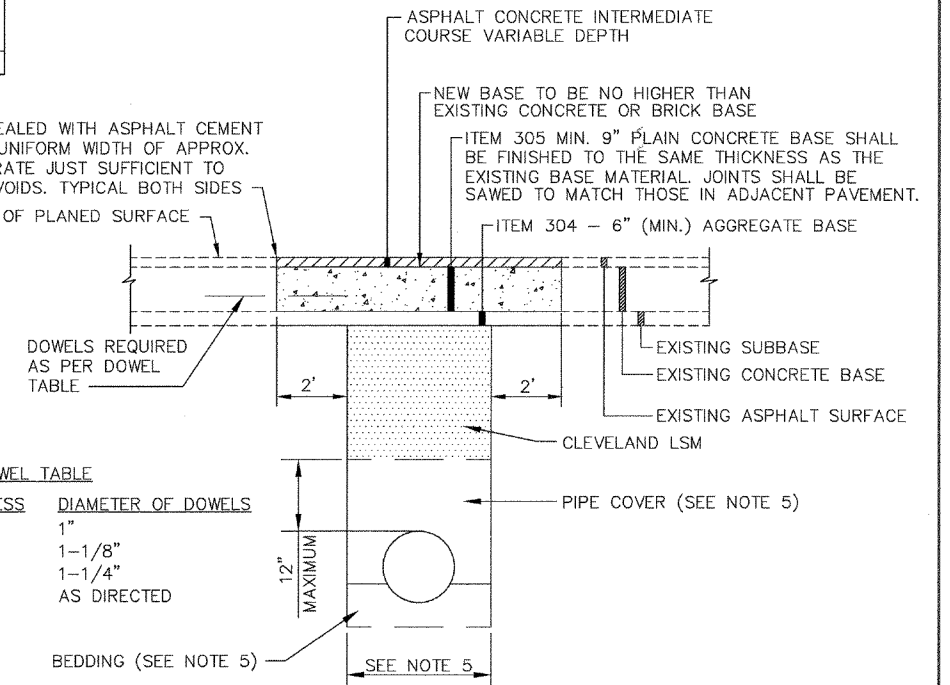


NOTE: REFER TO DETAILED SPECIFICATIONS FOR CURB COLORING REQUIREMENTS. * = 8" REVEAL UNLESS OTHERWISE INDICATED

ITEM 609, CURB, TYPE 6, AS PER PLAN

JOINT TO BE SEALED WITH ASPHALT CEMENT APPLIED AT A UNIFORM WIDTH OF APPROX. 6" AND AT A RATE JUST SUFFICIENT TO FILL SURFACE VOIDS. TYPICAL BOTH SIDES

TOP OF PLANED SURFACE



DOWEL TABLE

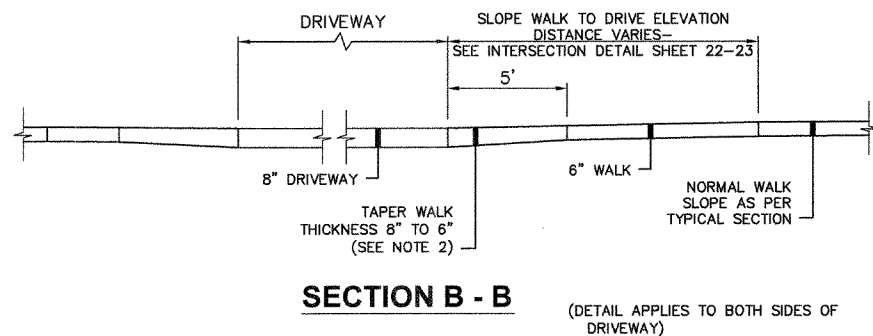
PAVEMENT THICKNESS	DIAMETER OF DOWELS
8" OR LESS	1"
9"	1-1/8"
10"	1-1/4"
OVER 10"	AS DIRECTED

BEDDING (SEE NOTE 5)

NOTES:

- ALL PAVEMENT OPENINGS SHALL BE SAWED FULL DEPTH AND HAVE SMOOTH VERTICAL FACES, DOWELS SHALL BE REQUIRED, AS PER DOWEL TABLE.
- EXTEND OVERCUT IN LONGITUDINAL DIRECTION TWO FEET (2') ONTO UNDISTURBED SUBGRADE.
- ALL BACKFILL MATERIALS USED UNDER ANY PAVEMENTS SHALL BE CLEVELAND LSM PLACED FROM THE INITIAL ONE FOOT OVER THE TOP OF UTILITIES, TO THE SUBGRADE.
- TO PREVENT FLOTATION AND ENTRY OF FLOWABLE FILL INTO ANY OTHER AREAS, COVER ALL JOINTS IN CLAY PIPE IN THE TRENCH AREA WITH POLYETHYLENE MATERIAL BEFORE POURING FLOWABLE FILL. REPAIR TECHNIQUES SHALL BE IN ACCORDANCE WITH THE UTILITY COMPANY'S STANDARD REPAIR PROCEDURES.
- FOR TRENCH DIMENSION, BEDDING, AND BACKFILL REQUIREMENTS, REFER TO THE FOLLOWING:
 - FOR WATER MAIN TRENCHES, REFER TO THE DETAIL ON SHEET NO. 28.
 - FOR SEWER TRENCHES, REFER TO CITY OF CLEVELAND STANDARD CONSTRUCTION DRAWING NO. 146-ME.

SEWER TRENCH PAVEMENT REPAIR DETAIL

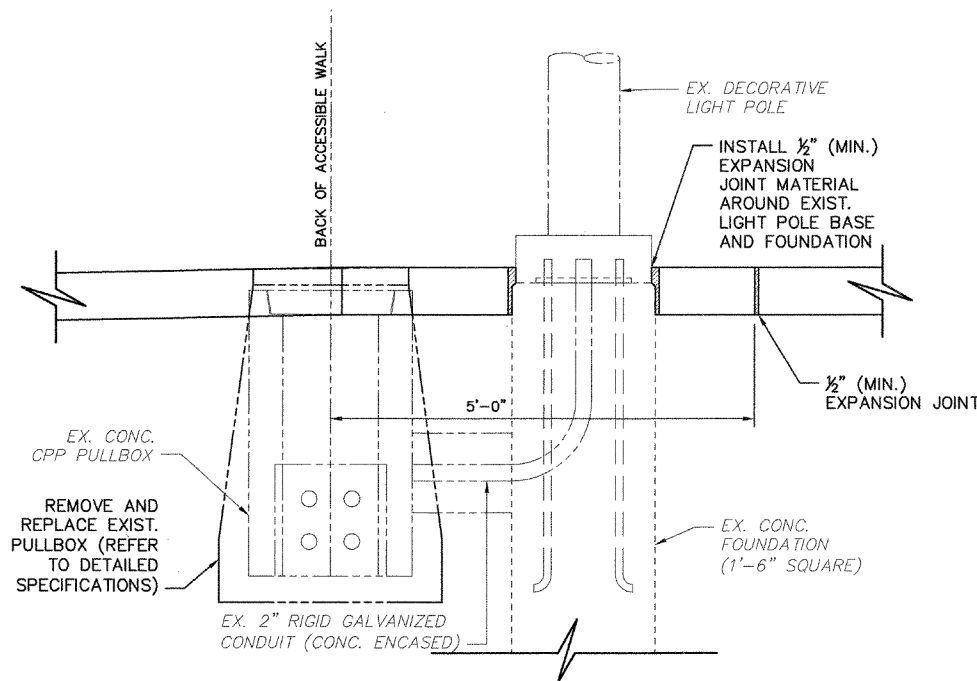


SECTION B - B

(DETAIL APPLIES TO BOTH SIDES OF DRIVEWAY)

NOTES:

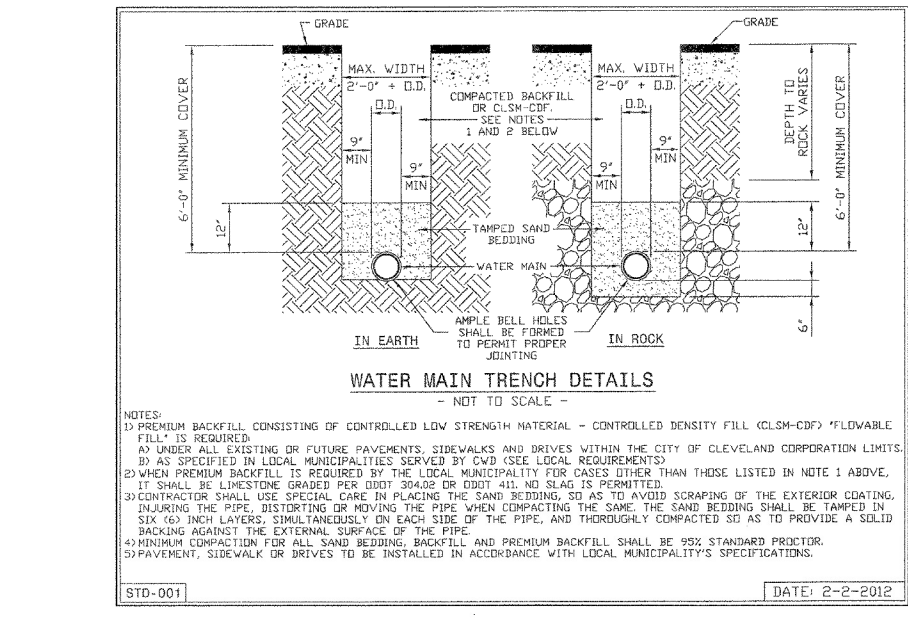
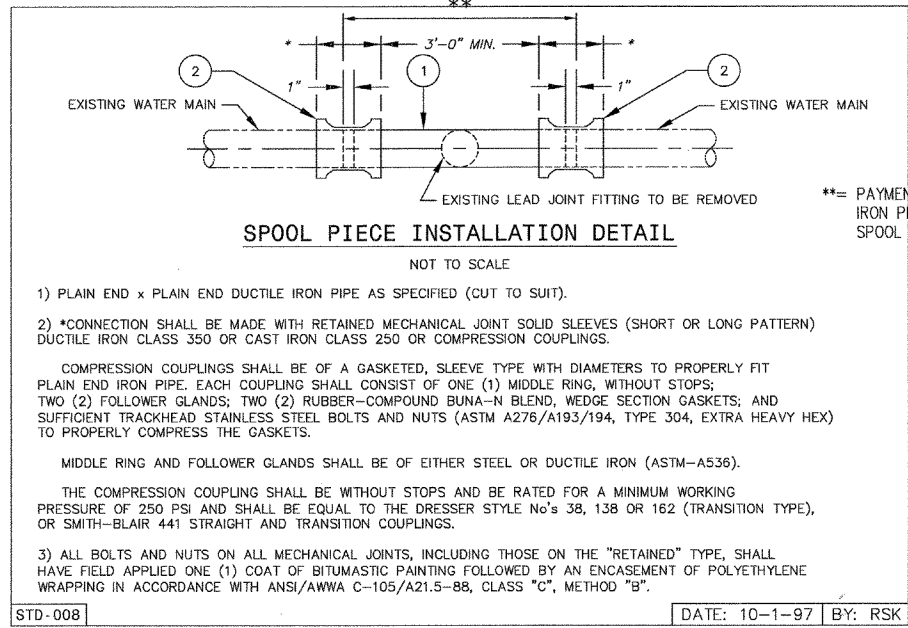
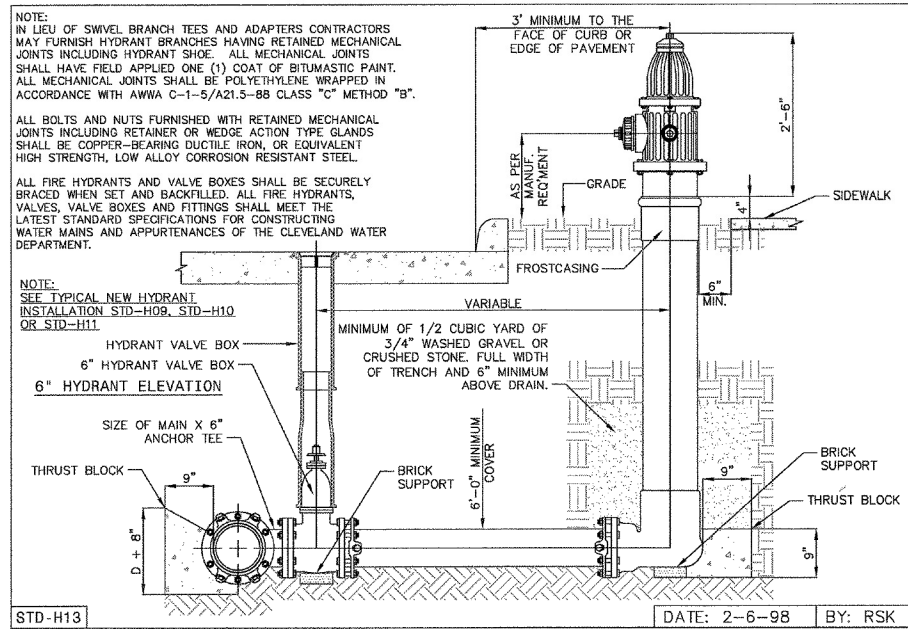
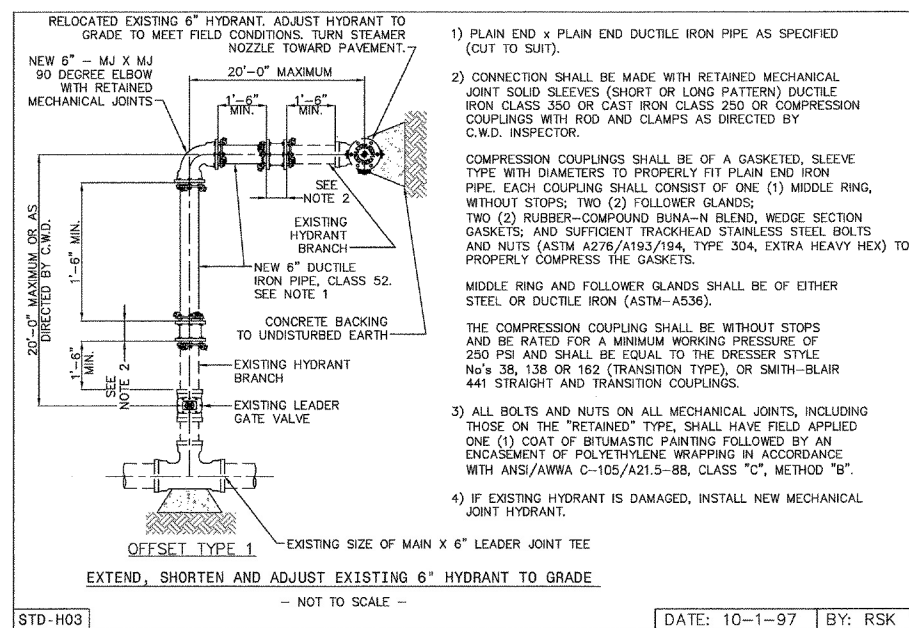
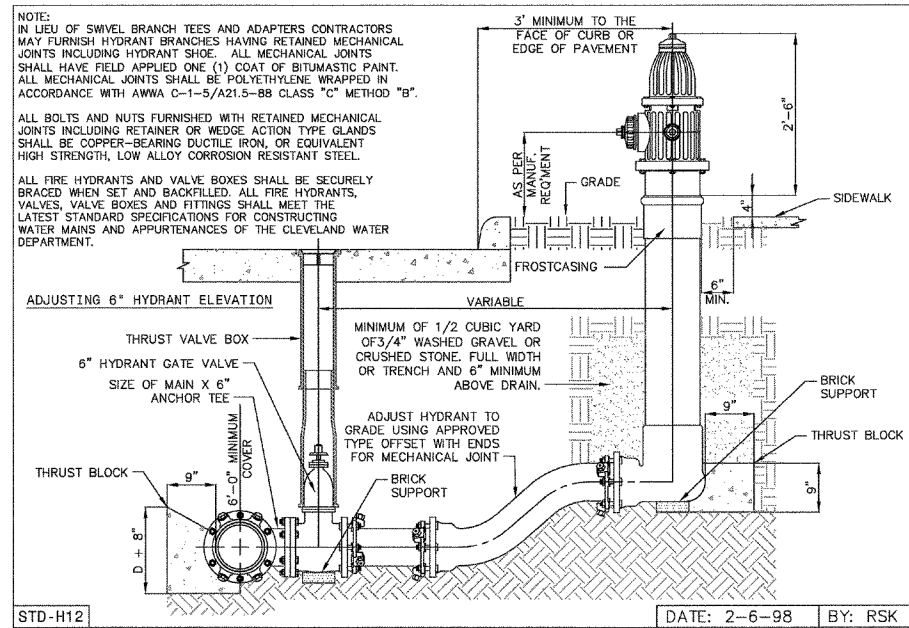
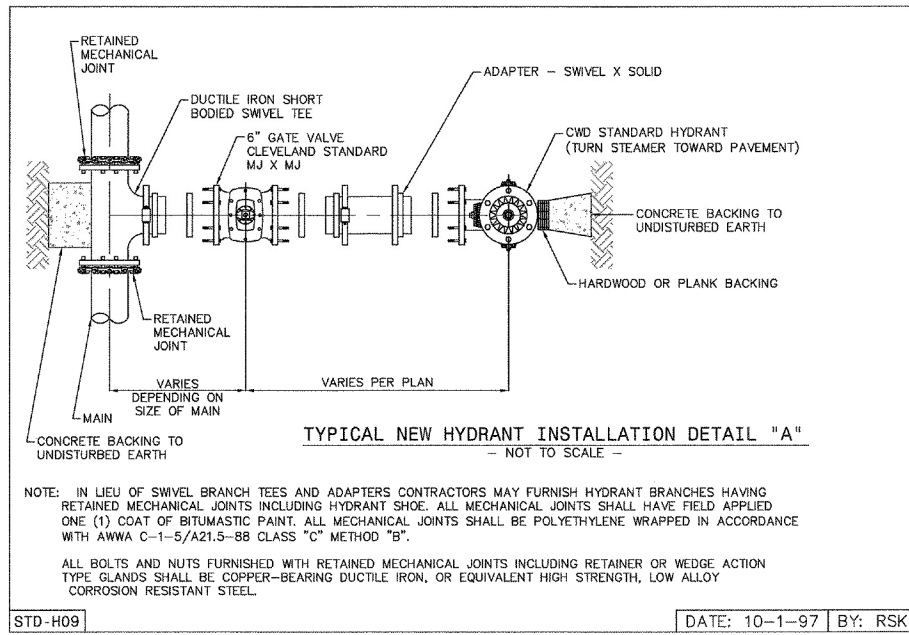
- REFER TO CROSS SECTIONS (SHEETS 19 - 20) FOR DRIVEWAY PROFILES.
- EXTRA CONCRETE NEEDED TO PROVIDE THICKNESS TAPER TO BE INCLUDED WITH THE UNIT PRICE BID FOR THE 6" CONCRETE WALK.



ITEM 625, LIGHTING, MISC.: PULL BOX REMOVED AND REPLACED

CONTRACTOR IS TO ABIDE BY THE MOST CURRENT VERSION OF THE CLEVELAND DIVISION OF WATER NOTES AND DETAILS. THE MOST UP-TO-DATE VERSION CAN BE FOUND AT WWW.CLEVELANDWATER.COM.

- GENERAL:**
- ALL WATER WORK REQUIRED, WHETHER SHOWN ON THE PLANS OR AS DIRECTED BY THE CLEVELAND DIVISION OF WATER, SHALL BE AT THE EXPENSE OF THE PROJECT.
 - THE INFORMATION SHOWN ON THE CLEVELAND DIVISION OF WATER'S SUMMARY OF WORK/CHARGE LETTER AND STRIP MAPS ARE TAKEN FROM EXISTING AVAILABLE RECORDS, AND THEIR ACCURACY IS NOT GUARANTEED.
 - CALL THE INSPECTION AND ENFORCEMENT UNIT AT 216-664-2342 TO SCHEDULE A PRECONSTRUCTION MEETING. THE OPERATION OF ANY VALVE OR ALTERATION OF ANY PART OF THE WATER SYSTEM BY CONTRACTORS OR THEIR EMPLOYEES IS PROHIBITED WITHOUT THE SUPERVISION OF THE CLEVELAND DIVISION OF WATER INSPECTOR.
 - THE MUNICIPALITY SHALL REQUIRE THAT THE PROJECT'S PROFESSIONAL ENGINEER OBTAIN ACTUAL FIELD MEASUREMENTS OF THE MAIN DURING INSTALLATION AND SHALL FURNISH THE CWD INSPECTOR WITH RECORD PRINTS IN A FORM ACCEPTABLE TO THE DIVISION OF WATER. THE CLEVELAND DIVISION OF WATER WILL REQUIRE THE DELIVERY AND ACCEPTANCE OF TWO COPIES OF RECORD (AS BUILT) PRINTS BEFORE THE PRESSURE TEST AND CHLORINATION OF THE MAIN.
 - FOR THE PURPOSES OF CHLORINATION AND BACTERIOLOGICAL TESTING OF THE WATER MAINS THE CONTRACTOR SHALL PROVIDE AND INSTALL, AT EACH OF THE CHLORINATION PIT LOCATIONS SHOWN AND AT OTHER LOCATIONS DETERMINED BY THE DIVISION OF WATER, FLUSHING/SAMPLING TAPS OF SIZE TO BE DETERMINED BY THE DIVISION OF WATER. CHLORINATION PITS SHALL BE SIX (6) FOOT SQUARE MEETING OSHA STANDARDS.
 - A TWO YEAR WARRANTY, COMMENCING FROM THE DATE OF ACCEPTANCE OF THE FINAL CHLORINATION OF THE WATER MAIN INSTALLATION, SHALL BE PROVIDED BY THE BUILDER/DEVELOPER AND/OR CONTRACTOR FOR ALL WATER MAINS AND SERVICE CONNECTION WORK PERFORMED BY THE CONTRACTOR, INCLUDING RETAPS, SHOULD ANY LEAKS OCCUR AND REPAIRS BE REQUIRED DUE TO DEFECTIVE MATERIAL OR POOR WORKMANSHIP.
 - USE BACKFILL MATERIAL AS SPECIFIED AND COMPACT SUFFICIENTLY IN THOSE AREAS WHERE EXISTING MAINS AND WATER SERVICE CONNECTIONS ARE EXPOSED. (SEE DIVISION OF WATER STANDARD DETAIL STD-001).
 - ALL MATERIALS, INCLUDING BUT NOT LIMITED TO, WATER MAINS, FIRE HYDRANTS, VALVES, CONNECTION MATERIALS AND OTHER WATER APPURTENANCES, SHALL BE NEW AND UNUSED AND SHALL CONFORM TO THE MOST CURRENT DIVISION OF WATER SPECIFICATIONS. ALL MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION OF WATER'S STANDARDS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING WATER MAINS AND APPURTENANCES THEREOF WHEN CONNECTING THE NEW WATER MAIN FOR THE HYDROSTATIC TEST. ALL REPAIRS TO DAMAGED EXISTING FACILITIES SHALL BE MADE BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE DIVISION OF WATER. (REFER TO THE ALTERNATE TEST DETAIL STD-002 AS NEEDED).
 - ALL HYDROSTATIC PRESSURE TESTING SHALL BE DONE BY THE CONTRACTOR IN THE PRESENCE OF THE DIVISION OF WATER'S INSPECTOR. THE HYDROSTATIC TEST PRESSURE SHALL BE 75 PSI ABOVE THE STATIC PRESSURE PREVAILING AT THE SITE, BUT IN NO CASE LESS THAN 150 PSI. THE PRESSURE TEST SHALL BE FOR A DURATION OF TWO (2) HOURS WITH THE PRESSURE BEING MAINTAINED WITHIN 5 PSI OF THE REQUIRED TEST PRESSURE. SHOULD THE PRESSURE TEST FAIL THE CONTRACTOR SHALL FIND AND CORRECT THE DEFICIENCY(IES) TO THE SATISFACTION OF THE DIVISION OF WATER AND REPEAT THE TWO (2) HOUR PRESSURE TEST.
- WATER MAINS:**
- ALL PIPE, UNLESS OTHERWISE CALLED FOR, SHALL BE DUCTILE IRON, MINIMUM CLASS 52, CEMENT LINED HAVING PUSH-ON JOINTS WITH RADIALLY COMPRESSED RUBBER RING GASKET AND INSTALLED AS PER THE MOST CURRENT REVISION OF AWWA C600.
 - ALL FITTINGS, UNLESS OTHERWISE CALLED FOR, SHALL BE APPROVED DUCTILE IRON, CLASS 350, CEMENT LINED, OR FUSION BONDED EPOXY COATED. ALL FITTINGS AND PIPE CONNECTED TO FITTINGS SHALL BE RESTRAINED USING A "RETAINED" MECHANICAL JOINT CONFORMING TO THE MATERIAL AND PERFORMANCE REQUIREMENTS OF ANSI/AWWA C-110/A21.10 AND ANSI/AWWA C-111/A21.11, OR "COMPACT" FITTINGS IN ACCORDANCE WITH ANSI/AWWA C-153/A21.53, EXCEPT FOR ANCHOR TEES, REDUCERS OR OTHER SPECIAL CIRCUMSTANCES WHEN DIRECTED BY CLEVELAND DIVISION OF WATER, ALL FITTINGS ARE TO HAVE BELL ENDS.
 - ALL BOLTS AND NUTS ON ALL "RETAINED" MECHANICAL JOINTS SHALL HAVE FIELD APPLIED ONE (1) COAT OF BITUMASTIC PAINTING FOLLOWED BY AN ENCASEMENT OF POLYETHYLENE WRAPPING IN ACCORDANCE WITH ANSI/AWWA C-105/A21.5-88, CLASS "C", METHOD "B".
 - WHERE SHOWN ON THE PLANS, OR WHEN OTHERWISE CALLED FOR, PIPE AND FITTINGS SHALL HAVE AN APPROVED "TYPE I" OR "TYPE II" BOLTLESS RESTRAINED PUSH-ON JOINTS TO THE LIMITS SHOWN ON THE DRAWINGS.
 - AT THE END OF EACH WORKDAY, THE CONTRACTOR SHALL PLUG ALL OPEN PIPE ENDS WITH WATER TIGHT PLUGS AS PER THE "PREVENTATIVE AND CORRECTIVE MEASURES DURING CONSTRUCTION" SECTION OF THE DIVISION OF WATER C-651 AS TO PREVENT THE INFILTRATION OR INTRUSION OF ANY FOREIGN OBJECTS OR MATERIALS. DATE STAMPED DIGITAL PHOTOS SHALL BE PROVIDED FOR EACH WORKDAY DEMONSTRATING THAT PROPER AWWA C-650 METHODS WERE USED TO PLUG ALL OPEN WATER MAIN ENDS. EACH PHOTO SHALL CLEARLY IDENTIFY THE STATION AT WHICH THE PIPE IS PLUGGED. THE STATIONING SHALL BE SHOWN BY USE OF A STATION MARKER PLACED AT THE PLUGGED PIPE END.
- PHOTOS SHALL BE SUBMITTED ON A DAILY BASIS UNLESS OTHERWISE DEFINED BY CWD INSPECTOR OR ENGINEER. ALL PHOTOS TAKEN OVER THE COURSE OF THE PROJECT SHALL BE SUBMITTED BY THE CONTRACTOR AS PART OF THE AS-BUILT SUBMITTAL. AS-BUILTS SHALL BE CONSIDERED INCOMPLETE WITHOUT SAID COLLECTION OF DIGITAL PHOTOS.
- HYDRANTS:**
- IN ALL HYDRANT INSTALLATIONS THE CONTRACTOR SHALL FACE ALL HYDRANT'S 4" (STEAMER) NOZZLE TOWARD THE PAVEMENT PRIOR TO TESTING AND CHLORINATION OF WATER MAINS. CONTRACTOR SHALL CONSULT WITH THE LOCAL MUNICIPALITY'S ENGINEERING OR SERVICE DEPARTMENT TO OBTAIN HYDRANT MODEL AND NOZZLE THREAD REQUIREMENTS IF NOT INDICATED ON THE APPROVED PLANS.
 - ALL VALVES SHALL BE AN APPROVED MODEL RESILIENT SEATED GATE VALVES AS PER THE MOST CURRENT VERSION OF AWWA C509 OR C515.
- CONNECTIONS:**
- WATER CONNECTIONS SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY AND ARE NOT PART OF THE WATER MAIN APPROVAL. ADDITIONAL PERMITS FOR SERVICE CONNECTIONS MUST BE OBTAINED FROM THE DIVISION OF WATER PRIOR TO INSTALLATION OF ANY PORTION OF THE SERVICE CONNECTION(S). IT IS THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR ALL PERMITS FOR ALL SIZE WATER SERVICE CONNECTIONS BEFORE PERFORMING ANY WORK. THE AMOUNT OF CHARGES CAN BE OBTAINED FROM THE DIVISION OF WATER, PERMITS AND SALES SECTION AT 216-664-2444 EXT. 5203.
- PEAK FLOW DEMANDS DO NOT EXCEED 25 GPM FOR AN INDIVIDUAL HOME/UNIT, INCLUSIVE OF ALL USAGE (FIRE, DOMESTIC AND/OR IRRIGATION) AND
 - LENGTH OF ONE INCH CONNECTION DOES NOT EXCEED 75 FEET AS MEASURED FROM THE MAIN TO THE POINT OF ENTRY INTO THE PROPOSED HOME/UNIT.
- ANY SERVICE REQUESTS DIFFERING FROM THE STATED CRITERIA SHALL REQUIRE THE SUBMITTAL OF A COMPLETE WATER SERVICE APPLICATION. PEAK DEMANDS ARE TO BE ASSESSED ON APPLICATION AND SETBACKS ARE TO BE SHOWN ON A ACCOMPANYING SITE PLAN. SITE PLANS SHALL SHOW WATER METER VAULTS IN THE RIGHT OF WAY OR IN AN EASEMENT CONTIGUOUS TO THE RIGHT OF WAY FOR ANY HOMES/UNITS WITH SETBACKS GREATER THAN 150 FEET. EASEMENTS ARE TO BE PROVIDED WITH THE SERVICE CONNECTION APPLICATION SUBMITTAL.
- ALL WATER MAIN CURB VALVE BOXES & METER VAULTS WILL BE INSTALL IN GRASS AREAS WHEN POSSIBLE.
- EMERGENCIES:**
- IF A WATER MAIN OR SERVICE CONNECTION BREAK OCCURS DURING CONSTRUCTION AND EMERGENCY ASSISTANCE IS REQUIRED, PLEASE NOTIFY THE DIVISION OF WATER AT 216-664-3060.



MISCELLANEOUS DETAILS

CITY-WEST SIXTH STREET STREETScape

REF. NO.	STATION	OFFSET	SIGN		630											
			CODE	SIZE (W x H)	GROUND MOUNTED SUPPORT, NO. 3 POST	ONE WAY SUPPORT, NO. 3 POST	STREET NAME SIGN SUPPORT, NO. 3 POST	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	SIGN, FLAT SHEET	SIGN, FLAT SHEET, AS PER DS-17	STREET NAME SIGN, (16"), AS PER DS-18	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF POLE MOUNTED SIGN AND STORAGE		
					FT	FT	FT	EACH	SQ FT	SQ FT	EACH	EACH	EACH	EACH		
1	10+40	25.5' LT	(2) SNS	VARx16			13.17				2					
2	10+58	20.5' LT	R6-1(R)	36X12	14.0				3.00							
			R1-1	30X30					6.25							
3	10+60	LT													4	
4	10+61	25' LT	R7-1L	12X18	13.5					1.50						
			R7-5R	12X18						1.50						
5	10+85	LT										2	1			
6	11+64	34' LT	R7-5	12X18						1.50					1	
7	12+19	LT										2	1			
8	12+58	LT										2	1			
9	12+62	23' LT	R7-1R	12X18	13.5					1.50						
			R7-5L	12X18						1.50						
10	13+16	LT										2	1			
11	13+61	23' LT	R7-1L	12X18	13.5					1.50						
			R7-SPECIAL	12X18						1.50						
12	13+70	LT													1	
13	14+61	23' LT	R7-1R	12X18	13.5					1.50						
			R7-SPECIAL	12X18						1.50						
14	14+62	LT													2	
15	14+97	LT													1	
16	15+09	23' LT	R7-1L	12X18	15.0					1.50						
			R7-SPECIAL	12X18						1.50						
			R7-5R	12X18						1.50						
17	15+17	LT										3	1			
18	15+65	33' LT	R7-SPECIAL	12X18						1.50						3
			R7-5L	12X18						1.50						
			R7-5R	12X18						1.50						
19	16+03	LT													1	
20	16+55	23' LT	R7-1R	12X18	13.5					1.50						
			R7-SPECIAL	12X18						1.50						
21	16+70	LT													2	
22		LT	R3-8b	48X30					1	10.00						
23		LT	R3-8b	48X30					1	10.00						
50	10+61	RT	R7-1	12X18					1	1.50						2
			R7-201	12X6					1	0.50						2
51	10+99	RT														
52	11+15	26' RT	R7-1R	12X18	13.5					1.50						
			R7-SPECIAL	12X18						1.50						
53	11+37	RT													2	
54	11+82	RT													2	
55	11+87	26' RT	R7-107L(MOD.)	12X18	13.5					1.50						
			R7-SPECIAL	12X18						1.50						
56	12+08	RT										2	1			
57	12+50	RT													1	
58	12+85	23' RT	R7-107(MOD.)	12X18	12.0					1.50						
59	12+94	21' RT	R6-1(L)	36X12		11.5				3.00						
			R6-1(R)	36X12						3.00						
60	12+97	RT										2	1			
61	13+31	RT													3	
62	13+32	22' RT	SNS	VARx16			11.83				1					
			R7-1L	12X18						1.50						
63	13+59	RT													2	
64	13+71	23' RT	R7-1R	12X18	13.5					1.50						
			R7-SPECIAL	12X18						1.50						
65	13+96	33' RT	R7-SPECIAL	12X18						1.50						1
			R7-1L	12X18						1.50						1
66	14+33	33' RT	R7-SPECIAL	12X18						1.50						
			R7-1R	12X18						1.50						1
67	14+70	33' RT	R7-5L	12X18						1.50						
68	15+09	33' RT	R7-5	12X18						1.50						1
69	15+79	33' RT	R7-5	12X18						1.50						1
70	16+55	23' RT	R7-1L	12X18	13.5					1.50						
			R7-5R	12X18						1.50						
71	16+60	RT													2	
QUANTITIES CARRIED TO GENERAL SUMMARY					162.5	11.5	25.0	16	35.25	53.0	3	15	7	36		

SIGNING NOTES:

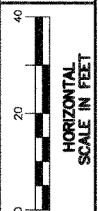
1. ALL SIGNS DESIGNATED FOR REMOVAL SHALL BE DELIVERED TO THE CITY OF CLEVELAND SIGN SHOP, 4150 EAST 49TH STREET, BUILDING #4 (216-420-8282). TWO WEEKS ADVANCE NOTICE MUST BE GIVEN TO THE CITY SHOP OF DELIVERY.
2. R7 SERIES SIGNS LABELED AS (MOD.) SHALL BE MODIFIED BY SUBSTITUTING "STOPPING" FOR "PARKING."
3. R7 SERIES SIGNS LABELED AS "SPECIAL" SHALL MATCH THE SIZE AND VERBIAGE OF THE SIGN THEY ARE REPLACING.

SIGNING SUBSUMMARY

CUY-WEST SIXTH STREET STREETScape

30
36

CALCULATED
DRP
CHECKED
RCN



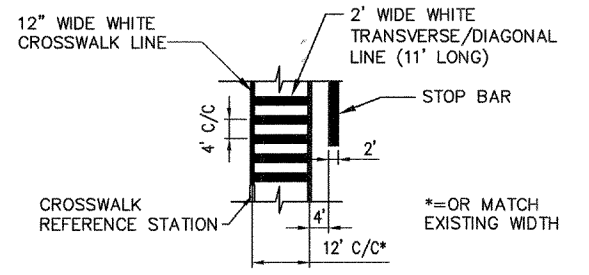
**SIGNING AND PAVEMENT MARKING PLAN
WEST SIXTH STREET**

CUY-WEST SIXTH STREET STREETScape

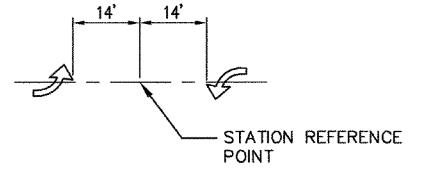
PAVEMENT MARKING LEGEND

- ⊙ = CENTER LINE, DOUBLE, SOLID
- ⊕ = CENTER LINE, DOUBLE, SOLID & BROKEN
- ⊖ = CHANNELIZING LINE
- ⊗ = CROSSWALK LINE
- ⊘ = EDGE LINE, WHITE
- ⊙ = LINE ARROW*
- ⊙ = STOP LINE
- ⊙ = TRANSVERSE/DIAGONAL LINE, YELLOW
- ⊙ = TRANSVERSE/DIAGONAL LINE, WHITE

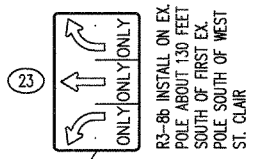
* = REFER TO ODOT STANDARD CONSTRUCTION DRAWING TC-71.10.



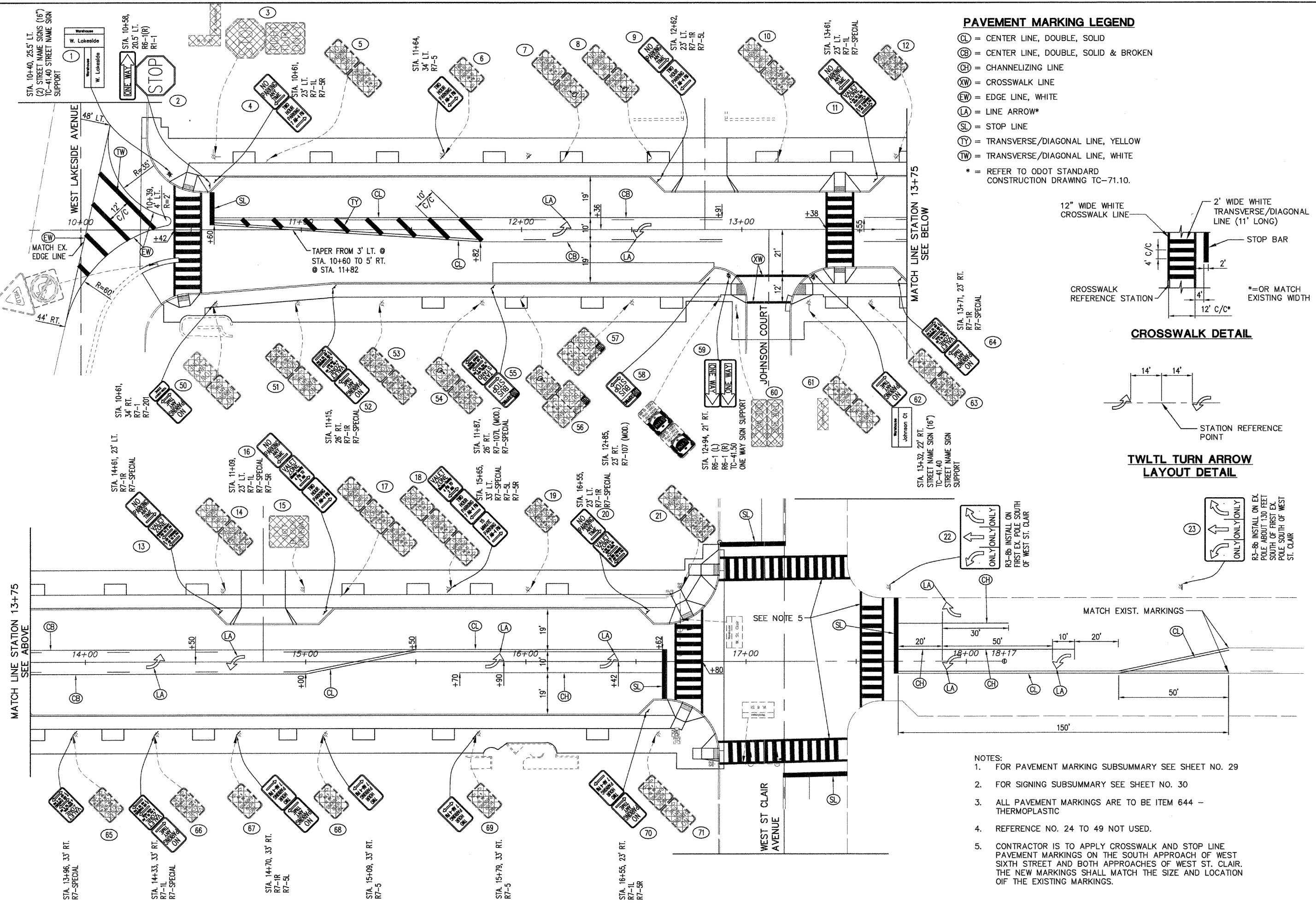
CROSSWALK DETAIL



TWLTL TURN ARROW LAYOUT DETAIL



INSTALL ON EX. POLE ABOUT 130 FEET SOUTH OF FIRST EX. POLE SOUTH OF WEST ST. CLAIR



NOTES:

1. FOR PAVEMENT MARKING SUBSUMMARY SEE SHEET NO. 29
2. FOR SIGNING SUBSUMMARY SEE SHEET NO. 30
3. ALL PAVEMENT MARKINGS ARE TO BE ITEM 644 - THERMOPLASTIC
4. REFERENCE NO. 24 TO 49 NOT USED.
5. CONTRACTOR IS TO APPLY CROSSWALK AND STOP LINE PAVEMENT MARKINGS ON THE SOUTH APPROACH OF WEST SIXTH STREET AND BOTH APPROACHES OF WEST ST. CLAIR. THE NEW MARKINGS SHALL MATCH THE SIZE AND LOCATION OF THE EXISTING MARKINGS.

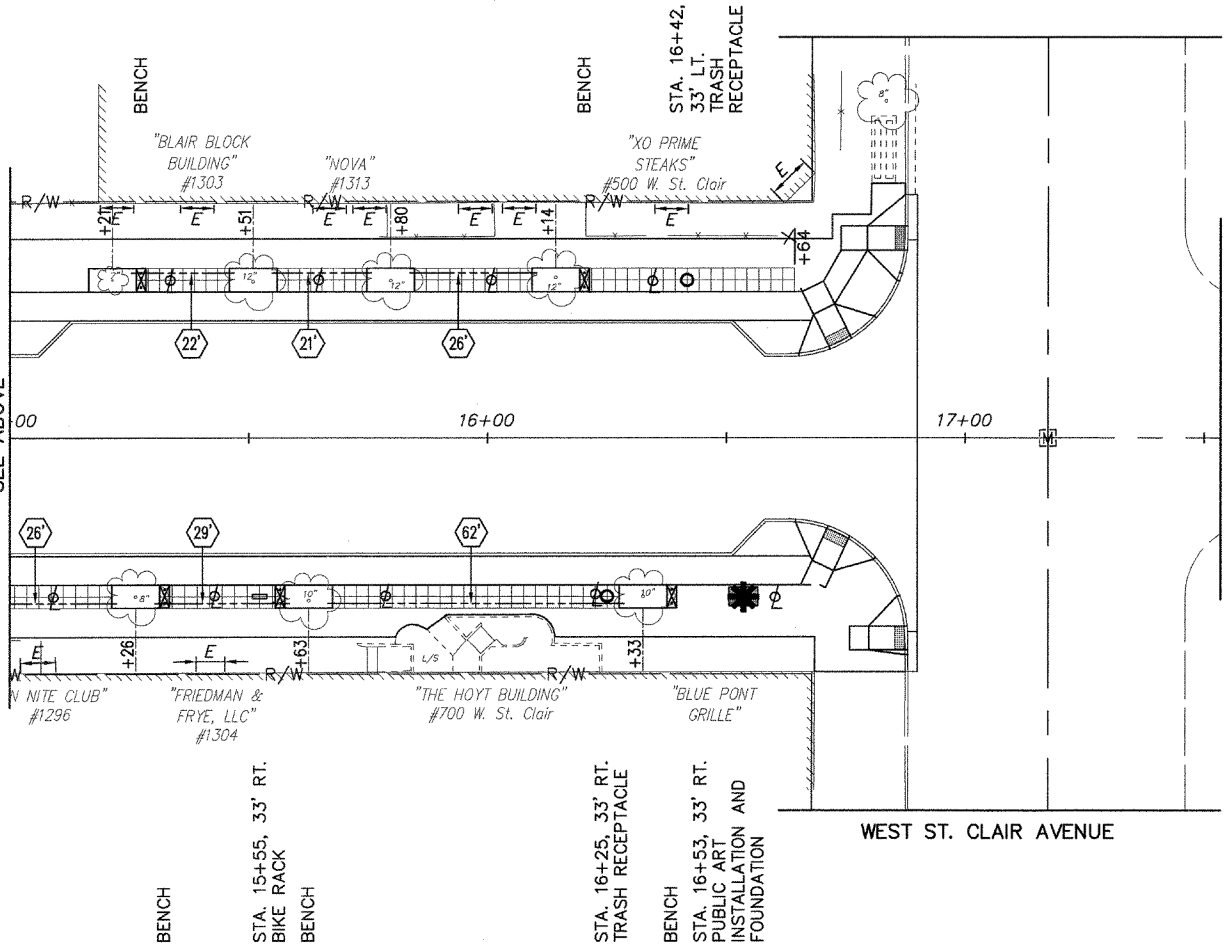
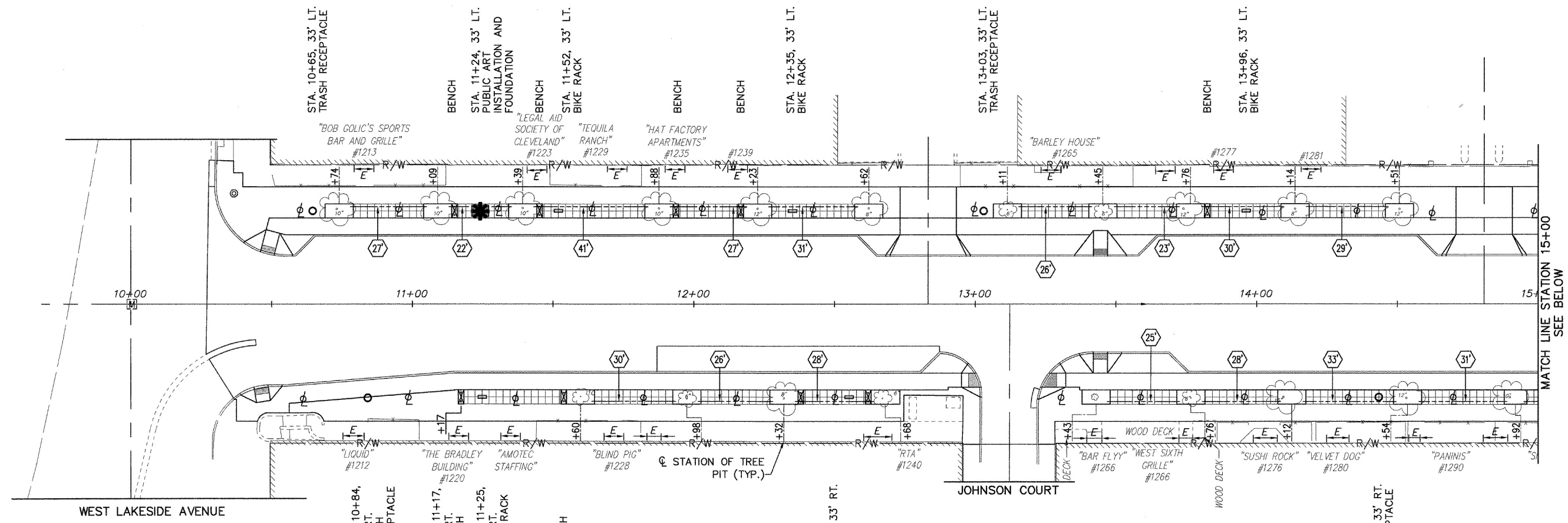


CALCULATED
DRP
CHECKED
RCN

STREETSCAPE PLAN

CUY-WEST SIXTH STREET STREETSCAPE

32
36



LEGEND:

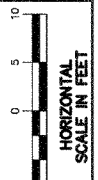
- PUBLIC ART INSTALLATION (SEE DETAIL SHEET NO. 36)
- PUBLIC ART FOUNDATION
- TREE PIT
- 2-1/2 FOOT SQUARE TOOLED JOINT PATTERN IN 6" CONCRETE WALK
- 2" CONDUIT, PVC OR PE, EXTENDING 1 FOOT INTO PROP. TREE PIT AND CAPPED (FOR FUTURE USE) - SEE NOTE 3
- # IN HEXAGON IS LENGTH OF CONDUIT
- BIKE RACK
- TRASH RECEPTACLE
- BENCH (INSTALLED ALONG EDGE OF TREE PIT UNLESS NOTED)
- EXISTING DECORATIVE LIGHT POLE
- BUILDING ENTRANCE

NOTES:

- SEE SHEET NO. 25 AND 26 FOR STREETSCAPE DETAILS.
- SEE SHEETS NO. 33 TO 35 FOR TREE PIT LANDSCAPING PLANS.
- CONTRACTOR IS TO FIELD LOCATE THE 2" CONDUIT TO AVOID CONFLICTS WITH EXISTING UTILITIES, UNDERGROUND VAULTS, ETC.
- BIKE RACK AND TRASH RECEPTACLE STATIONS INDICATED ON THIS DRAWING ARE APPROXIMATE. THESE ITEMS SHALL BE LOCATED AS PER THE DETAILS ON SHEET NO. 26

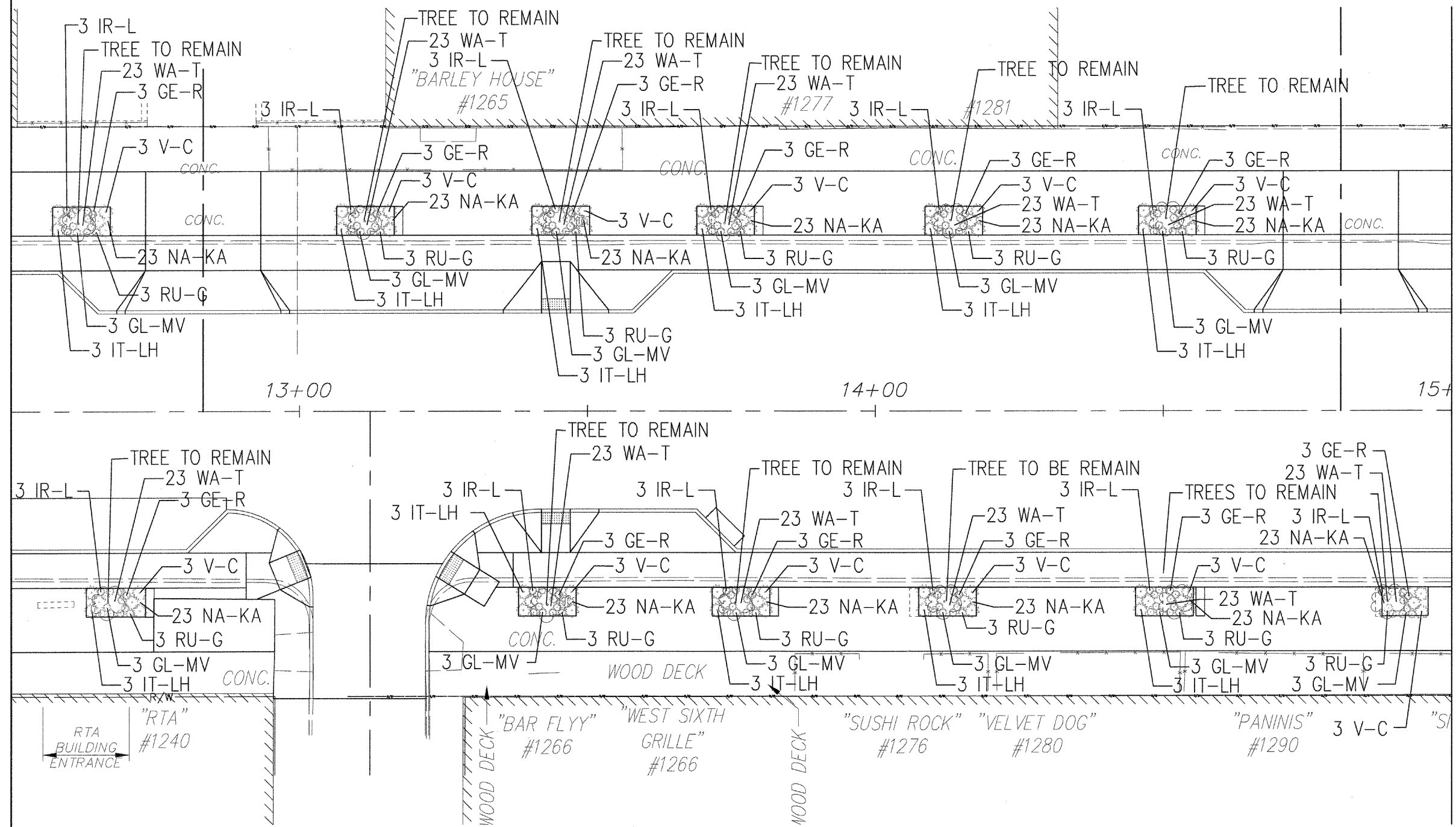
SIDEWALK EXPANSION JOINT LOCATION

LOCATION	625 CONDUIT, 725.051 OR 725.052, 2"	625 TRENCH	SPECIAL PUBLIC ART FOUNDATION	SPECIAL TREE PIT	SPECIAL BIKE RACK	SPECIAL TRASH RECEPTACLE	SPECIAL BENCH	SPECIAL ORNAMENTAL FENCING FOR TREE PIT (PART 1, ALT. 1)	SPECIAL TREE PIT PLANTINGS (PART 1, ALT. 2)
	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH
LEFT SIDE									
WEST LAKESIDE TO STA. 12+83	148	148	1	6	2	1	4	6	6
STA. 12+83 TO STA. 15+00	108	108		5	1	1	1	5	5
STA. 15+00 TO W. ST. CLAIR	69	69		4		1	2	4	4
RIGHT SIDE									
WEST LAKESIDE TO JOHNSON CT	84	84		4	2	1	4	4	4
JOHNSON CT TO STA. 15+00	117	117		5		1		5	5
STA. 15+00 TO W. ST. CLAIR	117	117	1	3	1	1	3	3	3
+ CONTINGENCY	65	65							
QUANTITIES CARRIED TO GENERAL SUMMARY	708	708	2	27	6	6	14	27	27



CALCULATED
CHECKED

NOTES:
THE TREE PIT PLANTINGS WORK INDICATED ON THIS SHEET IS INCLUDED IN THE PART 1, ALTERNATE 2 BID.



ITEM	KEY	DESCRIPTION:	BOTANICAL NAME - COMMON NAME	SIZE	COND.	QTY.
1	GE-R	GERANIUM X. 'ROZ - ROZANNE GERANIUMANNE'		#2 CONT	CLUMP	36
2	GL-MV	GLYCERIA MAXIMA 'VAREGATA' - VAREGATED MANNA GRASS		#2 CONT	CLUMP	36
3	IR-L	IRIS X. LOUISIANA HYBRIDS - LOUISIANA IRIS		#2 CONT	CLUMP	36
4	IT-LH	ITEA VIRGINICA 'LITTLE HENRY' - LITTLE HENRY DWF. SWEETSPICE		18"	#3 CONT.	33
5	NA-KA	NARCISSUS 'KING ALFRED' - KING ALFRED DAFFODIL		BULB	18" O.C.	276
6	RU-G	RUBBECKIA F. V. 'GOLDSTURM' - GOLDSTURM BLACKE EYED SUSAN		#2 CONT	CLUMP	36
7	V-C	VIBURNUM CARLESII - KOREAN SPICE VIBURNUM		24"	B&B	36
8	WA-T	WALDSTEINIA TERNATA - BARREN STRAWBERRY		#2 CONT	CLUMP	276

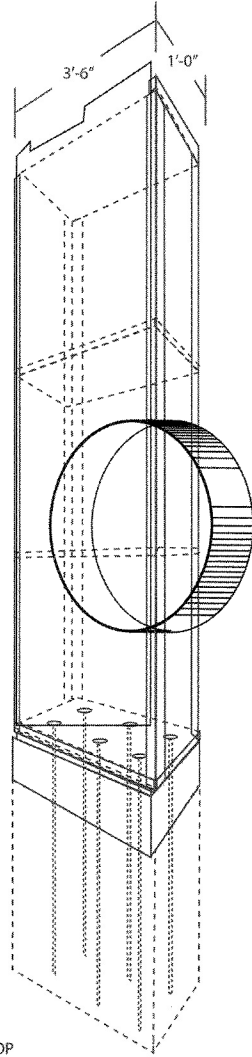
LANDSCAPING PLAN
STATION 12+50 TO STATION 15+00

CUY-WEST SIXTH STREET STREETSCAPE

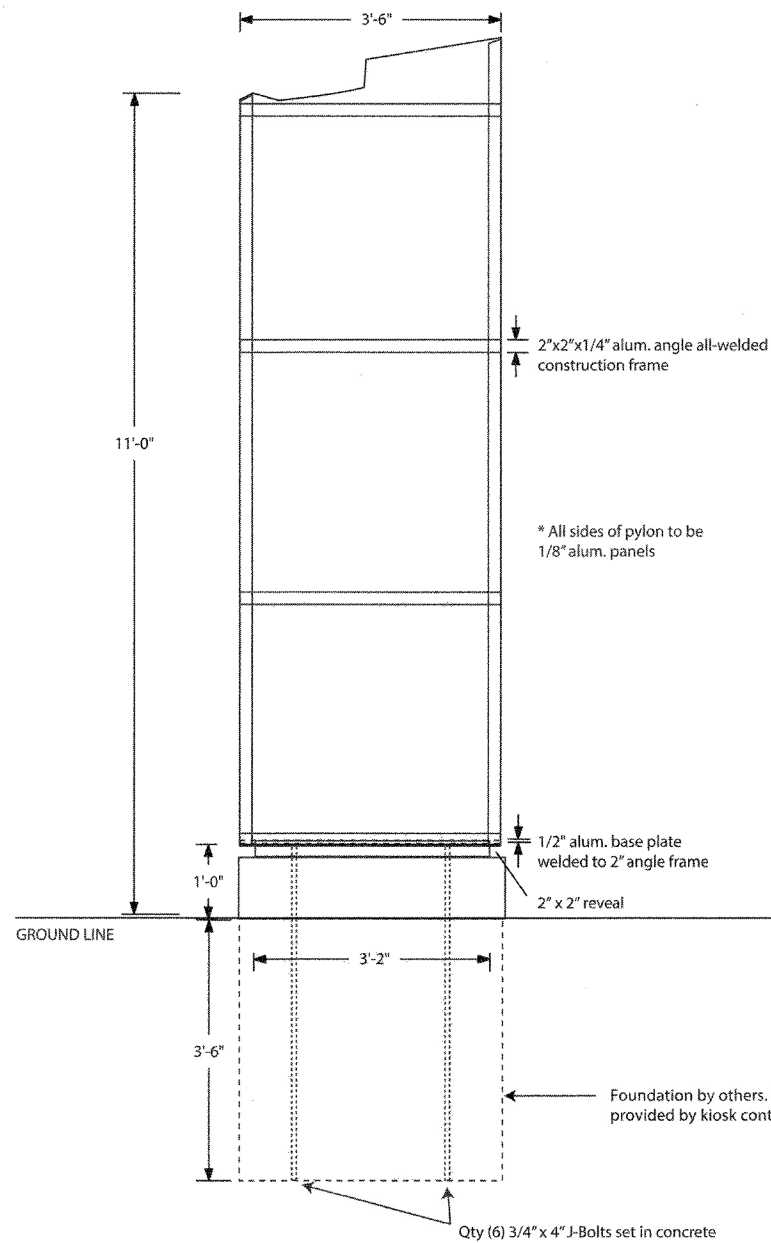
WAREHOUSE DISTRICT KIOSK

SCALE: 1/2"=1'

FRAME STRUCTURE



KIOSK FRAME FROM FRONT SCALE: 3/4"=1'



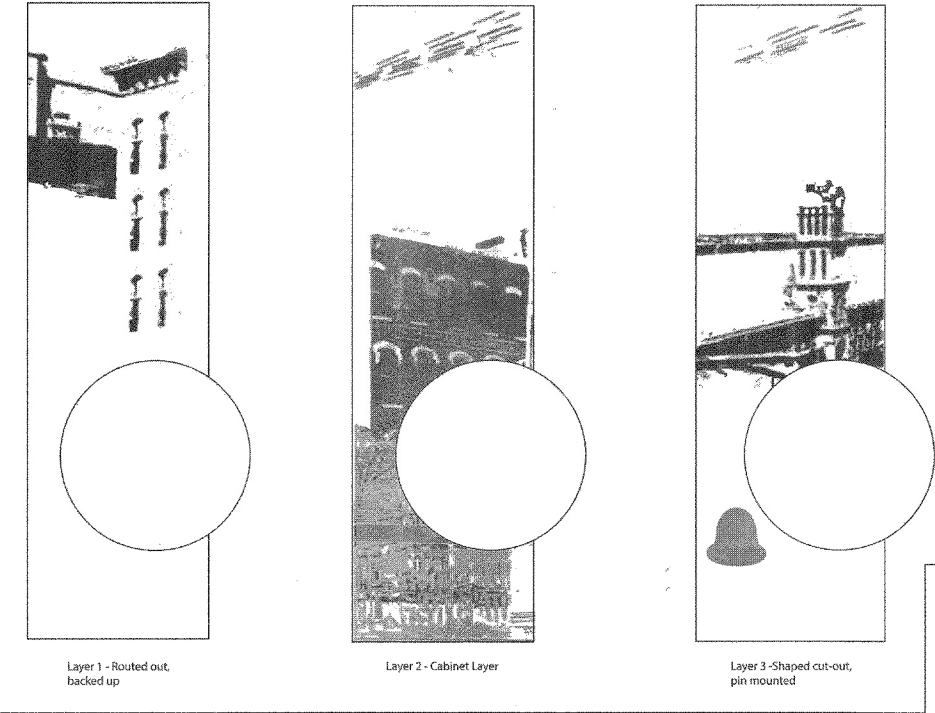
All graphics not final. Final artwork to be provided by artist

WAREHOUSE DISTRICT KIOSK

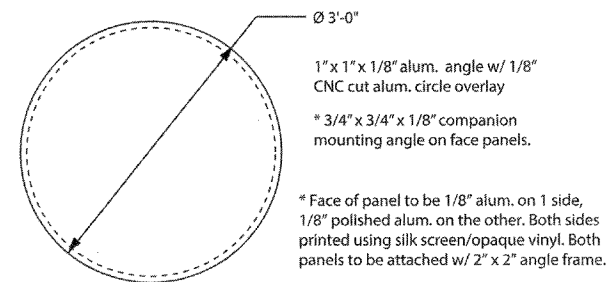
GRAPHIC LAYERS ROUGH LAYOUT
8.14.12

SCALE: NTS

*NOTE: Graphics not final. Final artwork to be provided by artist.



CIRCULAR ALUM. PANEL



THE KIOSK MATERIALS SHALL BE MANUFACTURED FROM ALUMINUM EXTRUSIONS TO THE DIMENSIONS INDICATED IN THIS DETAIL, HAVING A MINIMUM TENSILE STRENGTH OF 35,000 PSI, USING 6061 OR 6063 T6 ALLOY FOR STRUCTURAL COMPONENTS. THE KIOSK MATERIALS SHALL ALSO BE COATED WITH A TGIC POLYESTER POWDER-COAT FINISH SYSTEM. THE FINISH SHALL HAVE A CURED FILM THICKNESS OF AT LEAST 2.0 MILS.

08.14.12

SPECIFICATIONS:

I. Fabricated non-illuminated cabinet of .125 alum. panels w/ 2"x2"x 1/4" alum. angle frame. All panels fastened to framework w/ tamperproof countersunk screws. Access doors in return of cabinet.

II. Graphic to be applied to the following surfaces:
(a) Main cabinet surface
(b) All cabinet surfaces routed out & backed up w/ .125 alum. back panel pin-mounted (stud welded).
(c) .125 alum. panel pin-mounted (drill-tapped) to main cabinet surface. Shape of panel to be routed & water-jet cut.

III. All surfaces to be etched, primed & painted w/ acrylic polyurethane epoxy.

IV. Images to be printed w/ processes that may include silk screen, 3M exterior grade digital print graphic, or masked & painted.