

A	B	C	D
15' COMBINED ESCLP, CLASS III RCP OR PVC	CLASS 'C' BEDDING 18' COMBINED ESCLP, CLASS III RCP OR PVC	CLASS 'C' BEDDING 21' COMBINED CLASS IV RCP OR PVC	CLASS 'C' BEDDING 24' COMBINED CLASS IV RCP OR PVC

- SPECIAL PROVISIONS FOR PLAN FILE NO. 229-8 ONLY
- STANDARD SPECIAL PROVISIONS, (PLAN FILE NUMBER 52-4-51, REVISED MAY 1, 2013 OR LATEST REVISION THEREOF), ARE PART OF THIS CONTRACT.
 - THIS PROJECT WAS APPROVED BY THE DEPARTMENT OF NATURAL RESOURCES (DNR) AND THE MILWAUKEE METROPOLITAN SEWERAGE DISTRICT (MMSD) ON SEPTEMBER 24, 2012.
 - ALL WORK SHALL BE COMPLETED BY AUGUST 22, 2014. THE WORK SHALL BE CONTINUOUS AND THE TOTAL NUMBER OF ALLOWABLE WORKDAYS IS 25 DAYS. A PROJECT WORKING DAY IS DEFINED AS ANY DAY THE CONTRACTOR IS ABLE TO WORK A MINIMUM OF FOUR HOURS TOWARDS COMPLETION OF THE PROJECT.
 - WITHIN TEN (10) BUSINESS DAYS OF THE AWARD OF THIS CONTRACT, THE CONTRACTOR SHALL MAIL A NOTICE OF THE PROJECT TO THE CITY OF MILWAUKEE CONSTRUCTION SECTION AT 841 NORTH BROADWAY, ROOM 710, MILWAUKEE, WI 53202 FOR REVIEW AND APPROVAL. WITHIN FIVE (5) BUSINESS DAYS OF APPROVAL, THE CONTRACTOR SHALL MAIL THE PROJECT NOTICE TO ALL AFFECTED AREA RESIDENTS AND BUSINESSES. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL NOTICES ARE CONVEYED TO THE PUBLIC REGARDING THIS PROJECT. A SAMPLE NOTICE IS INCLUDED IN THE CONTRACT DOCUMENTS. CONTRACT WORK SHALL NOT START PRIOR TO COMPLETING THE NOTICE REQUIREMENT. ANY DELAY IN CONTRACT COMPLETION AS A RESULT OF NON-COMPLIANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - THE CONTRACTOR SHALL POST CITY OF MILWAUKEE PROJECT IDENTIFICATION ("BLUE") SIGNS AS DIRECTED ON EACH PROJECT IN THIS CONTRACT. THE CITY WILL PROVIDE BLANK SIGNS FOR THE CONTRACTOR TO FILL IN CONTACT INFORMATION AND POST.
 - ALL CONNECTIONS FOR BUILDING SEWERS AND DRAINS OF RECORD HAVE BEEN SHOWN ON THE PLAN. ALL ACTIVE BUILDING SEWERS SHALL BE RECONNECTED TO THE NEW SEWER. THE CONTRACTOR SHALL FIELD VERIFY ALL ACTIVE LATERALS, INCLUDING DYE TESTING OF PROPERTIES AND SHALL ONLY RECONNECT LATERALS WHICH ARE SHOWN TO BE ACTIVE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER RELAY, CLASS 'C' BEDDING.
 - THE CONTRACTOR SHALL COORDINATE ALL WORK WITH AND MAINTAIN ACCESS TO COLUMBIA HOSPITAL AND THE UNIVERSITY OF WISCONSIN, MILWAUKEE CAMPUS AT ALL TIMES, ALLOWING FOR EMERGENCY VEHICLES TO ENTER AND EXIT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT NO ACTIVE BUILDING SEWERS ARE CONNECTED TO THE MAIN SEWERS OR MANHOLES TO BE ABANDONED PRIOR TO THEIR ABANDONMENT. THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION ENGINEER IF ACTIVE BUILDING SEWERS ARE CONNECTED TO ANY PROPOSED SEWER ABANDONMENT.
 - THE CONTRACTOR SHALL NOT RECONNECT OR REESTABLISH ANY HYDRANT DRAIN CONNECTIONS TO THE PROPOSED SEWER MAIN.
 - PAVEMENT RESTORATION IN EAST HARTFORD AVENUE SHALL CONSIST OF REPLACING THE EXISTING PAVEMENT TO A WIDTH OF 12-FEET, CENTERED ON THE PROPOSED SEWER.
 - THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL THE EXISTING UTILITIES WHILE RELAYING THE RESPECTIVE DIAMETER COMBINED SEWER. ALL UTILITIES SHALL BE SUPPORTED. THE COST OF SUPPORTING, RAT HOLING OR TUNNELING UNDER THE EXISTING UTILITIES NECESSARY FOR THE PROPOSED SEWER RELAY SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER, CLASS 'C' BEDDING.
 - THE CONTRACTOR SHALL MAINTAIN (1) 11-FOOT TRAFFIC LANE IN EAST HARTFORD AVENUE AT ALL TIMES.
 - THE CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC AT ALL TIMES.
 - PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUPPLY A TRAFFIC CONTROL PLAN OUTLINING TRAFFIC FLOW PATTERNS AROUND THE WORK ZONE AND ACCESS TO BUSINESSES AND RESIDENCES TO MR. JAMES BROWN OF THE TRAFFIC OPERATIONS SECTION AT LEAST 10 DAYS PRIOR TO THE START OF CONSTRUCTION, MUNICIPAL BUILDING, ROOM 920. CONTACT MR. JAMES BROWN AT (414) 286-3276 WITH QUESTIONS REGARDING THE TRAFFIC CONTROL PLAN SUBMITTAL.
 - ALL SIGNS USED FOR TRAFFIC CONTROL SHALL MEET THE NEW NATIONAL REQUIREMENTS FOR SIGN RETROREFLECTIVITY STANDARDS.
 - TEMPORARY "NO PARKING" SIGNS WILL BE REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL CONTACT MR. JAMES BROWN AT (414) 286-3276 OF THE CITY OF MILWAUKEE TRANSPORTATION SECTION AT LEAST THREE (3) DAYS PRIOR TO THE START OF CONSTRUCTION. ONCE THE PROJECT IS COMPLETED, THE CONTRACTOR SHALL CONTACT MR. BROWN FOR SIGN REMOVAL.
 - THE CITY OF MILWAUKEE HAS STREET LIGHTING FACILITIES AND PIPE CABLE CROSSINGS AT VARIOUS LOCATIONS THROUGHOUT THE PROJECT. DURING OPEN CUT TRENCHING, THE CONTRACTOR SHALL SUPPORT THESE CROSSINGS. ANY ALTERATIONS NEEDED TO THE CITY OF MILWAUKEE STREET LIGHTING FACILITIES MUST BE APPROVED BY THE STREET LIGHTING DEPARTMENT. THE CONTRACTOR SHALL PAY A SERVICE FEE RANGING FROM APPROXIMATELY \$2,200 TO \$4,500 FOR EACH STREET LIGHTING POLE WHERE ALTERATIONS ARE NEEDED; HOWEVER, IF ANY ADDITIONAL WORK IS REQUIRED FOR THE ALTERATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST.
 - THE SUCCESSFUL CONTRACTOR MUST PAY THE NECESSARY SERVICE FEE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE PROOF OF THE PAYMENT TO THE CONSTRUCTION ENGINEER PRIOR TO STARTING ANY REQUIRED STREET LIGHTING AND TRAFFIC SIGNAL ALTERATIONS WORK. THE CONTRACTOR SHALL CONTACT MR. ENG-KIE LEE AT (414) 286-2174 FOR ALL NECESSARY STREET LIGHTING ALTERATIONS. THE CONTRACTOR SHALL CONTACT MR. JOSEPH BONDOWSKI AT (414) 286-5162 FOR ALL NECESSARY TRAFFIC SIGNAL ALTERATIONS.
 - ANY DAMAGE TO THE CITY-OWNED STREET LIGHTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED BY THE CITY'S STREET LIGHTING DEPARTMENT AT THE CONTRACTOR'S EXPENSE. ANY DAMAGES SHALL BE REPORTED TO THE STREET LIGHTING SHOP AT (414) 286-3481.
 - THERE ARE VARIOUS OVERHEAD WIRES WITHIN THE PROJECT LIMITS THAT MAY REQUIRE TEMPORARY RELOCATIONS. THE COST OF ANY RELOCATION OF OVERHEAD UTILITIES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE DIAMETER COMBINED SEWER RELAY, CLASS 'C' BEDDING.
 - THE CONTRACTOR SHALL SUPPORT CITY OF MILWAUKEE UNDERGROUND CONDUIT (CUC) WITH WOODEN BEAMS OR EQUAL SUPPORTS. THE CONTRACTOR SHALL USE EXTREME CAUTION AND TAKE THE NECESSARY PRECAUTIONS TO AVOID DAMAGING THE CUC FACILITIES. THE CONDUIT CONTAINS VITAL COMMUNICATION CABLES THAT MUST REMAIN IN SERVICE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE CITY OF MILWAUKEE FACILITIES. CONTACT THE CITY DISPATCHER AT (414) 286-3481 IMMEDIATELY IF DAMAGE OCCURS.

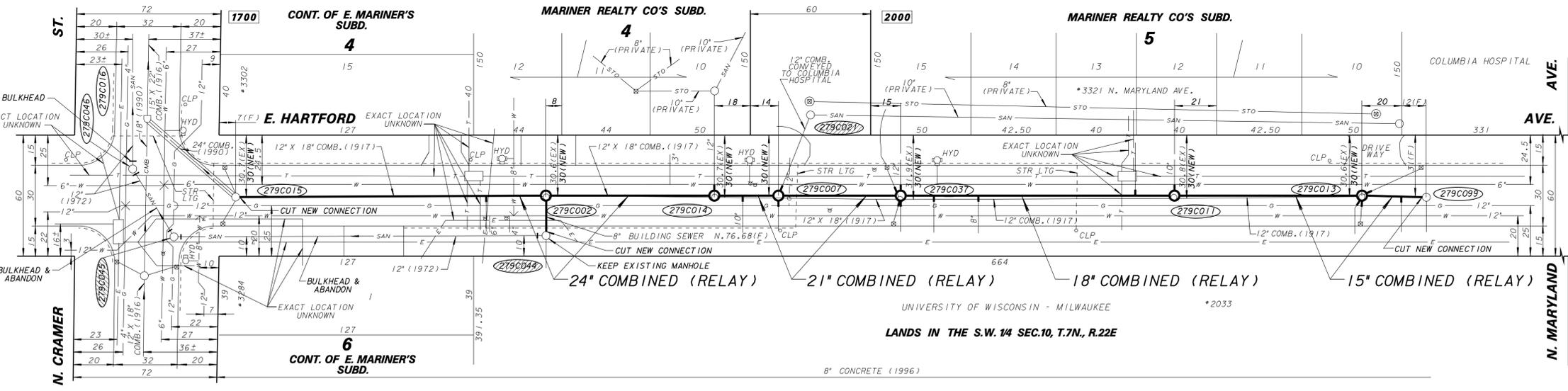
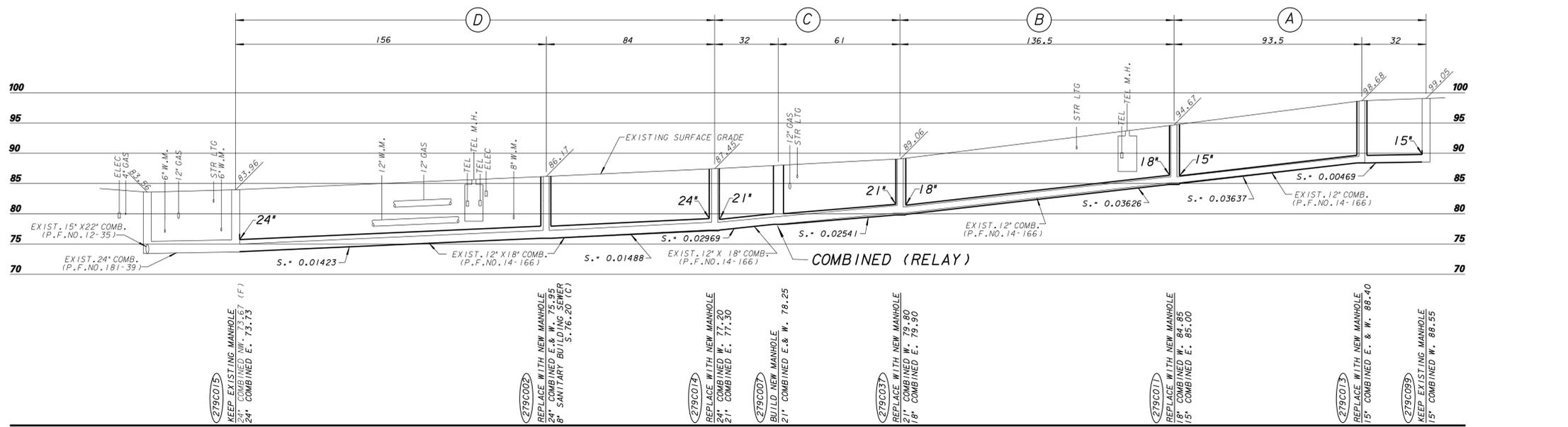
SURVEY:
BOOK NO. 793, PP. 126-130
BM# HYDRANT SEC. E. HARTFORD AVE. & N. CRAMER ST. ELEV. 85.186
HYDRANT N/S STA. 13+45.74 ELEV. 90.135
HYDRANT N/S STA. 17+42.27 ELEV. 101.262
STD. BM #43 SEC. N. MARYLAND AVE. / E. HARTFORD AVE. ELEV. 104.717

LINE CODE LEGEND			
GAS	— G —	SANITARY SEWER	— SAN —
ELECTRIC	— E —	STORM SEWER	— STO —
TELEPHONE	— T —	COMBINED SEWER	— CMB —
CABLE TELEVISION	— TV —	SEW. DISTRICT SEWER	— MMSD —
FIBER OPTICS	— FO —	WATER MAIN	— W —
CITY UNDERGROUND CONDUIT	— CUC —	SEWER/WATER 24" & OVER	— 24" —

SHEET NO. 1 OF 6 IS PLAN FILE NO. 229-8
SHEET NO. 2 OF 6 IS PLAN FILE NO. 229-9
SHEET NO. 3 OF 6 IS PLAN FILE NO. 226-96
SHEET NO. 4 OF 6 IS PLAN FILE NO. 228-25
SHEET NO. 5 OF 6 IS PLAN FILE NO. 236-9
SHEET NO. 6 OF 6 IS PLAN FILE NO. 234-59

- THE CONTRACTOR SHALL PROVIDE THE CITY WITH TWO (2) COPIES OF A POST INSTALLATION DVD EXAMINATION AND REPORT OF THE SEWER. THESE RECORDED EXAMS WILL BECOME THE PROPERTY OF THE CITY OF MILWAUKEE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE SEWER EXAMS BY CCTV, POST-CONSTRUCTION.
- IN ADDITION TO THE ALLOWABLE 1-1/2 INCH GRADED AGGREGATE, AS PER TABLE 39 OF SECTION 8.43.7 OF THE STANDARD SPECIFICATION, THE CONTRACTOR IS ALSO ALLOWED TO USE 1-1/4 INCH GRADED AGGREGATE. THE 1-1/4 INCH GRADED SHALL MEET THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT) STANDARDS AS PER SECTION 305 DENSE GRADED BASE, CONFORMING TO THE TABLE LISTED AS "PERCENT PASSING BY WEIGHT" IN 2012 WISDOT STANDARD SPECIFICATION, SUBSECTION 305.2.2.1 GENERAL.

- THERE ARE EXISTING CITY OF MILWAUKEE TREES WITHIN THE PROJECT LIMITS. NO TREE PRUNING/TRIMMING WORK SHALL BE DONE BY THE SEWER CONTRACTOR. ANY REQUIRED TREE PRUNING OR OTHER FORESTRY WORK ON THIS PROJECT BY ANY COMPANIES MUST BE FIRST APPROVED BY THE FORESTRY DEPARTMENT PRIOR TO ANY FORESTRY WORK TAKING PLACE. THE CONTRACTOR SHALL BE A LICENSED, INSURED AND CERTIFIED TREE CARE PROFESSIONAL. THIS WORK MUST BE SCHEDULED AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF THE SEWER CONSTRUCTION WORK SO THAT TREE PRUNING WORK CAN BE ARRANGED. THE CONTRACTOR SHALL CONTACT MR. MIKE MUNSON, FORESTRY SECTION INSPECTOR, AT (414) 286-3042 REGARDING ALL FORESTRY WORK. THE COST OF ANY POSSIBLE FORESTRY WORK SHALL BE INCLUDED IN THE UNIT PRICE BID OF THE RESPECTIVE SEWER WORK UNLESS OTHERWISE NOTED.



CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. WISCONSIN STATUTE 182.07 IS REQUIRED. MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

NO.	BY	REVISION	DATE
AS BUILT CONTRACT NO.			
DATE ENT'D.		ENT'D. BY	

ESTIMATE OF QUANTITIES		
ITEM NO.	QUANTITY	DESCRIPTION
30151	126 FT.	15" DIA. COMBINED CLASS 'C' BEDDING
30181	137 FT.	18" DIA. COMBINED CLASS 'C' BEDDING
30211	93 FT.	21" DIA. COMBINED CLASS 'C' BEDDING
30241	240 FT.	24" DIA. COMBINED CLASS 'C' BEDDING
43400	6	4'-0" DIA. COMBINED MANHOLES
50000	68 FT.	BUILDING SEWERS & DRAINS
50001	LUMP SUM	BARRICADING
50015	LUMP SUM	EROSION CONTROL
50201	LUMP SUM	BULKHEAD & ABANDON ± 200' OF 12" DIA. SANITARY SEWER & 2 SANITARY MANHOLES
50300	585	PAVEMENT DOWELS
50301	1200 FT.	PAVEMENT SAWING
50308	800 SQ. YDS.	CONCRETE PAVEMENT
50316	10 FT.	CONCRETE CURB & GUTTER
50328	10 SQ. FT.	CONCRETE WALK
60002	645 FT.	SEWER EXAM BY CCTV-POST CONSTRUCTION

ENVIRONMENTAL ENGINEERING SECTION
INFRASTRUCTURE SERVICES DIVISION
DEPARTMENT OF PUBLIC WORKS
MILWAUKEE, WISCONSIN

SEWER MAIN PLAN
E. HARTFORD AVENUE
N. CRAMER STREET
300'± W. OF N. MARYLAND AVENUE

IN SCALE: HORIZONTAL 1" = 30', VERTICAL 1" = 10'
FROM PLAN SEC. NO. 279
TO PLAN DATE 2-3-2012

DESIGNED BY K.O'BRIEN
DRAWN BY A.WIENKE
CHECKED BY R.PARIKH
SYSTEM NO. 3003

APPROVED: Zafar Yousof, 7/9/2012, CHIEF DESIGN ENGINEER
DESIGN ENGINEER
7/9/2012
ENGINEER IN CHARGE
7/9/2012
CITY ENGINEER & SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS
PROJECT NO. 1, C.C. FILE NO. 111701
OFF. NOTICE NO. 23-2014, DATE ADOPED 5-22-12

SHEET NO. 1 OF 6 PLAN FILE NO. 229-8