# A CITY OF SPARKS PROJECT SPARKS, WASHOE COUNTY, NEVADA

# HOWARD DR STORM DRAIN REALIGNMENT PRELIMINARY DESIGN PLANS

### **OWNER:**



CITY OF SPARKS COMMUNITY SERVICES DEPARTMENT 431 PRATER WAY, SPARKS, NV 89431 PHONE (775) 353-2455

PROJECT ---

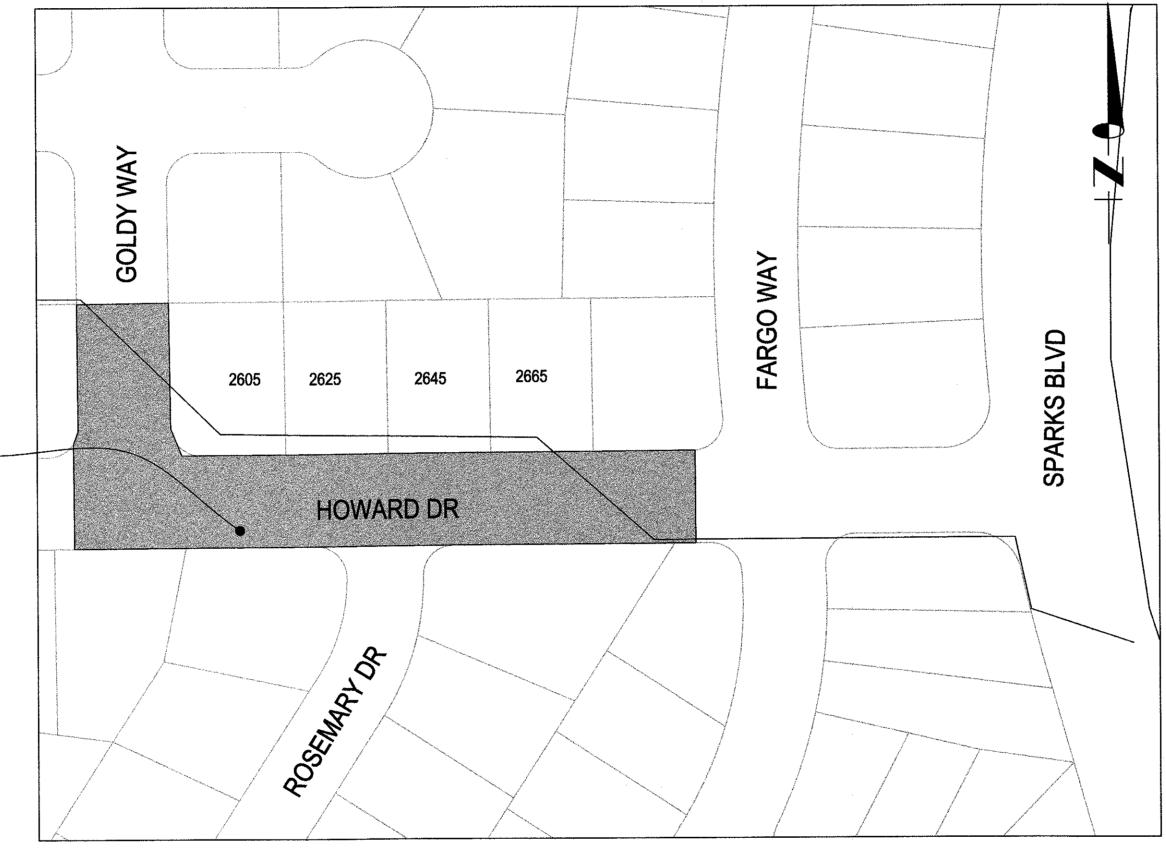
## **ENGINEER:**



10509 PROFESSIONAL CIRCLE, SUITE 102 RENO, NV 89521 PHONE (775) 828-1622 FAX (775) 828-1826

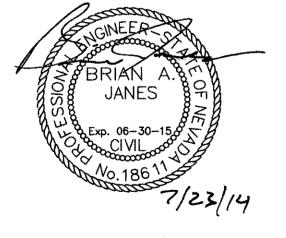
Bil.

7/23/14 DATE



**LOCATION MAP** 

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#### **CITY OF SPARKS:**

GENO MARTINI, MAYOR
JULIA RATTI, COUNCIL MEMBER
ED LAWSON, COUNCIL MEMBER
RON SMITH, COUNCIL MEMBER
MIKE CARRIGAN, COUNCIL MEMBER
RON SCHMITT, COUNCIL MEMBER
STEVE DRISCOLL, CITY MANAGER
NEIL KRUTZ, P.E., DEPUTY CITY MANAGER FOR COMMUNITY SERVICES

NEIL KRUTZ, P.E.

7/20/14

**JOB # 100037452** 

#### **GENERAL NOTES**

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OR "ORANGE BOOK," EXCEPT AS MODIFIED BY THESE PLANS AND SPECIAL TECHNICAL SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUOUS DUST CONTROL. THROUGHOUT THE CONSTRUCTION OF ALL ITEMS SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REGULAR CLEANING OF ALL MUD, DIRT, AND DEBRIS, ETC. FROM ANY AND ALL ADJACENT STREETS AND SIDEWALKS. THE CONTRACTOR SHALL MAINTAIN CONFORMITY WITH SECTION 40.030 OF WASHOE COUNTY AIR POLLUTION STANDARDS.
- 3. TRAFFIC CONTROL AND MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD DATED 2009 OR LATEST EDITION).
- 4. THE LOCATIONS OF THE EXISTING UTILITIES WERE DETERMINED USING QUALITY LEVEL C AS PROVIDED IN THE ASCE STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION AND THE DEPTHS OF ANY EXISTING UTILITIES PRIOR TO PERFORMING ANY EXCAVATIONS. NEITHER THE ENGINEER NOR THE CITY OF SPARKS ASSUME ANY RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF UTILITIES SHOWN. THE LOCATIONS OF UTILITIES ARE SHOWN ONLY TO AID THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL CALL UNDER GROUND SERVICE ALERT (811) 48 HOURS PRIOR TO ANY EXCAVATION.
- 5. CONTRACTOR SHALL LOCATE, PROTECT, AND PROVIDE REFERENCE INFORMATION OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION.
- 6. ASPHALT CONCRETE PAVING SHALL BE ACCOMPLISHED WITH A MINIMUM LIFT THICKNESS OF 2-INCHES AND A MAXIMUM LIFT THICKNESS OF 3-INCHES. PG64-28NV SHALL BE USED FULL DEPTH.
- 7. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY AND ALL DISCREPANCIES.
- 8. ALL EXCESS OR UNSUITABLE MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH THE LATEST CITY OF SPARKS REGULATIONS.
- 9. ALL EXISTING FEATURES IN CONFLICT WITH PROPOSED SHALL BE REMOVED, RELOCATED, AND/OR REPLACED AS SHOWN ON PLANS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER AND THE GOVERNING AGENCIES PRIOR TO SUCH REMOVAL, RELOCATION, AND/OR REPLACEMENT.
- 10. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRICTION FOR THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND SHORING PROCEDURES AND CONFORM TO THE LATEST O.S.H.A. REQUIREMENTS.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY REMOVAL OF ALL CONSTRUCTION MATERIALS SPILLED ON PAVED STREETS, ONSITE OR ADJACENT TO THE SITE. AT THE CLOSE OF EACH DAY, THE CONTRACTOR SHALL LEAVE THE SITE IN A CLEAN AND ORDERLY FASHION.
- 13. THE CONTRACTOR SHALL PURSUE THE WORK IN A CONTINUOUS AND DILIGENT MANNER, CONFORMING TO ALL THE PERTINENT SAFETY REGULATIONS, TO ENSURE A TIMELY COMPLETION OF THE PROJECT.
- 14. THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONAL, ALL GOVERNING AGENCIES HAVING JURISDICTION OVER THE WORK, UTILITY COMPANIES, TELEPHONE COMPANIES, CABLE TELEVISION COMPANIES, AND ANY OTHER ENTITY IMPACTED BY THE WORK 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL GIVE 48 HOURS PRIOR NOTICE FOR ALL CONSTRUCTION STAKING AND INSPECTIONS REQUIRED DURING CONSTRUCTION.
- 15. IN THE EVENT OF A CONFLICT BETWEEN THESE DRAWINGS AND SPARKS MUNICIPAL CODE, CODE SHALL PREVAIL.
- 16. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING THE BMP'S AT ALL TIMES DURING CONSTRUCTION.

PROPOSED FEATURES:

7777

- 17. STORM DRAINS WILL BE INSTALLED WITH WATER TIGHT JOINTS USING EITHER JOINT SEALANTS OR GASKETS WHEN WITHIN 18" VERTICALLY OF WATER LINES OR WITHIN 10 FEET HORIZONTALLY. CENTER STORM DRAIN PIPE SEGMENT LENGTH ON CROSSING. MINIMUM LOCATIONS ARE SHOWN ON PROFILES. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.
- 18. SLURRY BACKFILL WILL BE FILLED BETWEEN THE DUAL PIPES

**GENERAL LEGEND** 

EXISTING FEATURES:

033-171-10

GAS VALVE

WATER VALVE

WATER LINE

FUEL LINE

GAS LINE

TELEPHONE LINE

PROPERTY LINE

FIRE HYDRANT

TELEPHONE BOX

GAS METER

ELECTRIC BOX

WATER METER

--4395-- MAJOR CONTOUR (5')

-4397-- MINOR CONTOUR (1')

LIGHT

RECLAIMED WATER LINE

SANITARY SEWER LINE STORM DRAIN LINE

UNDERGROUND ELECTRIC LINE

ASSESSORS PARCEL NUMBER

DROP INLET/CATCH BASIN

SANITARY SEWER MANHOLE

STORM DRAIN MANHOLE

19. EXISTING ROADWAY IS 4" ASPHALT ON 8" AGGREGATE BASE. PAVEMENT PATCH (ASPHALT AND BASE) SHALL MATCH EXISTING THICKNESSES.

STORM DRAIN LINE

CATCH BASIN

SAWCUT

STORM DRAIN MANHOLE

=	NEVADA	WEST	2703

BASIS OF BEARING

Avoid cutting underground utility lines. It's costly.

before you

1-800-227-2600

NAD 83(94) STATE PLANE WASHOE COUNTY GRID TO GROUND COMBINED SCALE FACTOR OF 1.000197939 DISTANCES ARE IN US SURVEY FEET

#### VERTICAL DATUM

MANHOLE

HORIZONTAL DATUM

BASED ON ELEVATION PROVIDED BY CITY OF SPARKS FOR STORM DRAIN MANHOLE #SDN002010 ELEVATION = 4409.13

NOTE: X, Y, & Z COORDINATES ON EXISTING STRUCTURES WITHIN THE PROJECT LIMITS WERE SUPPLIED BY CITY OF SPARKS PROJECT CONTROL WAS CONSTRAINED TO THESE COORDINATES

#### **ABBREVIATIONS**

NORTH

NOT TO SCALE

PROPERTY LINE

RIGHT OF WAY

POLYVINYL CHLORIDE

REINFORCED CONCRETE PIPE

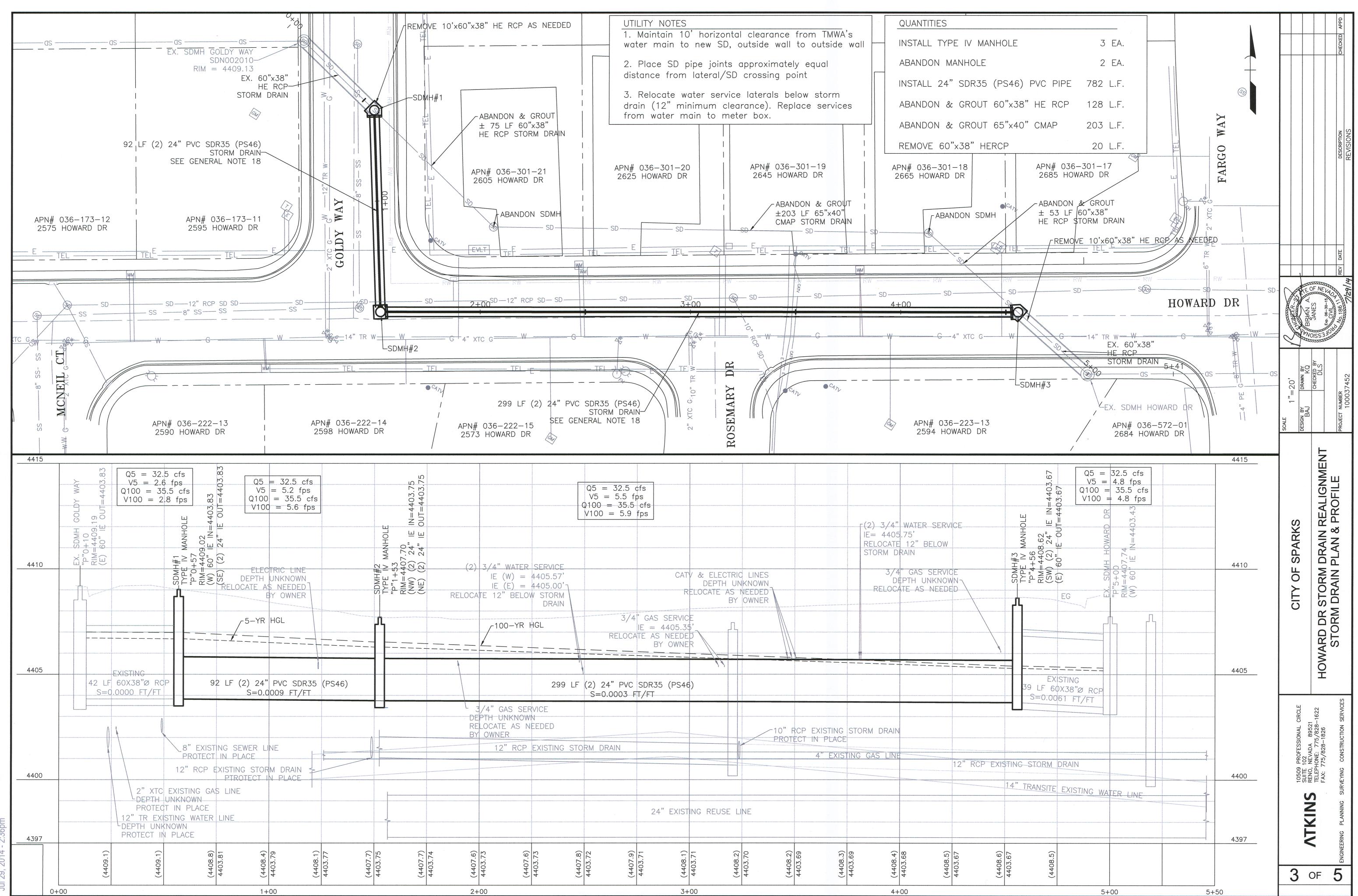
APN	ASSESSOR'S PARCEL NUMBER	S	SOUTH
CATV	CABLE TELEVISION	SD	STORM DRAIN
CL	CENTERLINE	SDMH	STORM DRAIN MANHOLE
Ø	DIAMETER	SS	SANITARY SEWER
Е	EAST/ELECTRIC	SSMH	SANITARY SEWER MANHO
EG	EXISTING GROUND	SSPWC	STANDARD SPECIFICATION
FH	FIRE HYDRANT	STD	STANDARD
G	GAS	TEL	TELEPHONE
GM	GAS METER	TYP	TYPICAL
GV	GAS VALVE	W	WEST/WATER
HE	HORIZONTAL ELLIPTICAL	WM	WATER METER
IE	INVERT ELEVATION		
LF	LINEAR FEET		
МН	MANHOLE		

OF CITY IFICATIONS FOR PUBLIC WORKS CONSTRUCTION

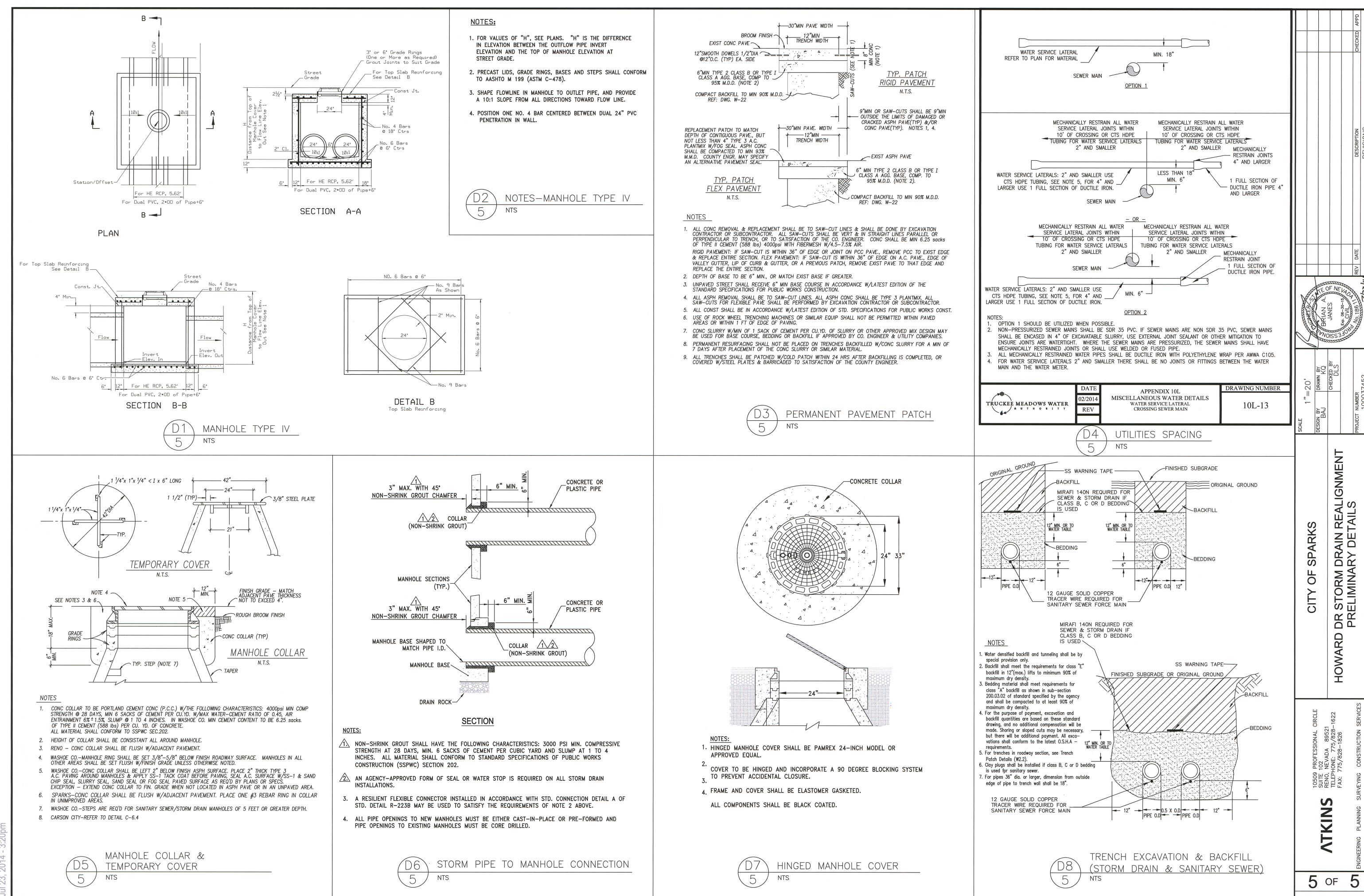
ATKIN

**SPARKS** 

**2** OF



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Y:\Trans RNO\tranproj\Howard SD Realignment\Sheets\XXPP-XXPP.dwg