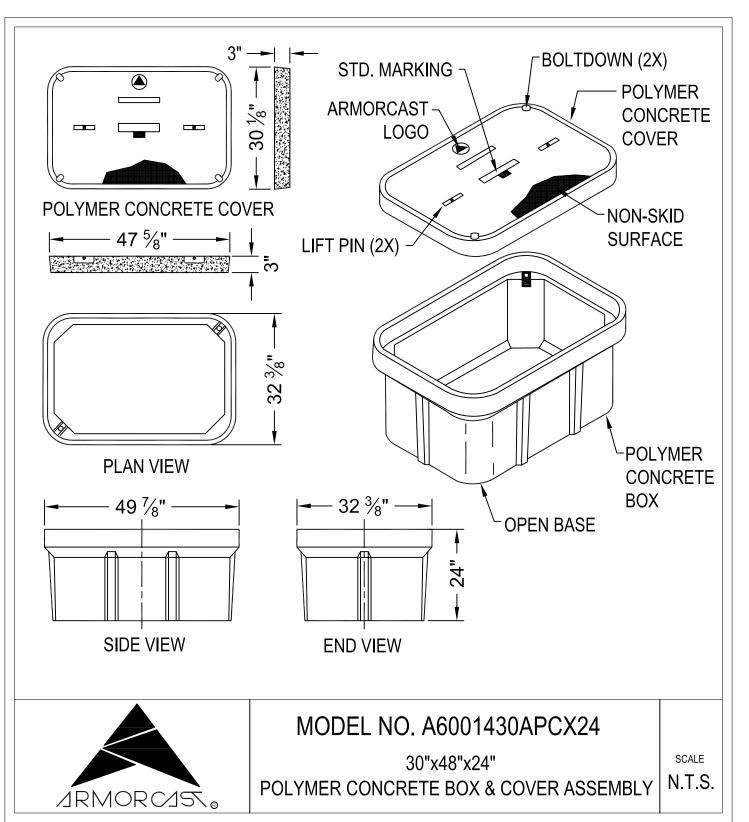
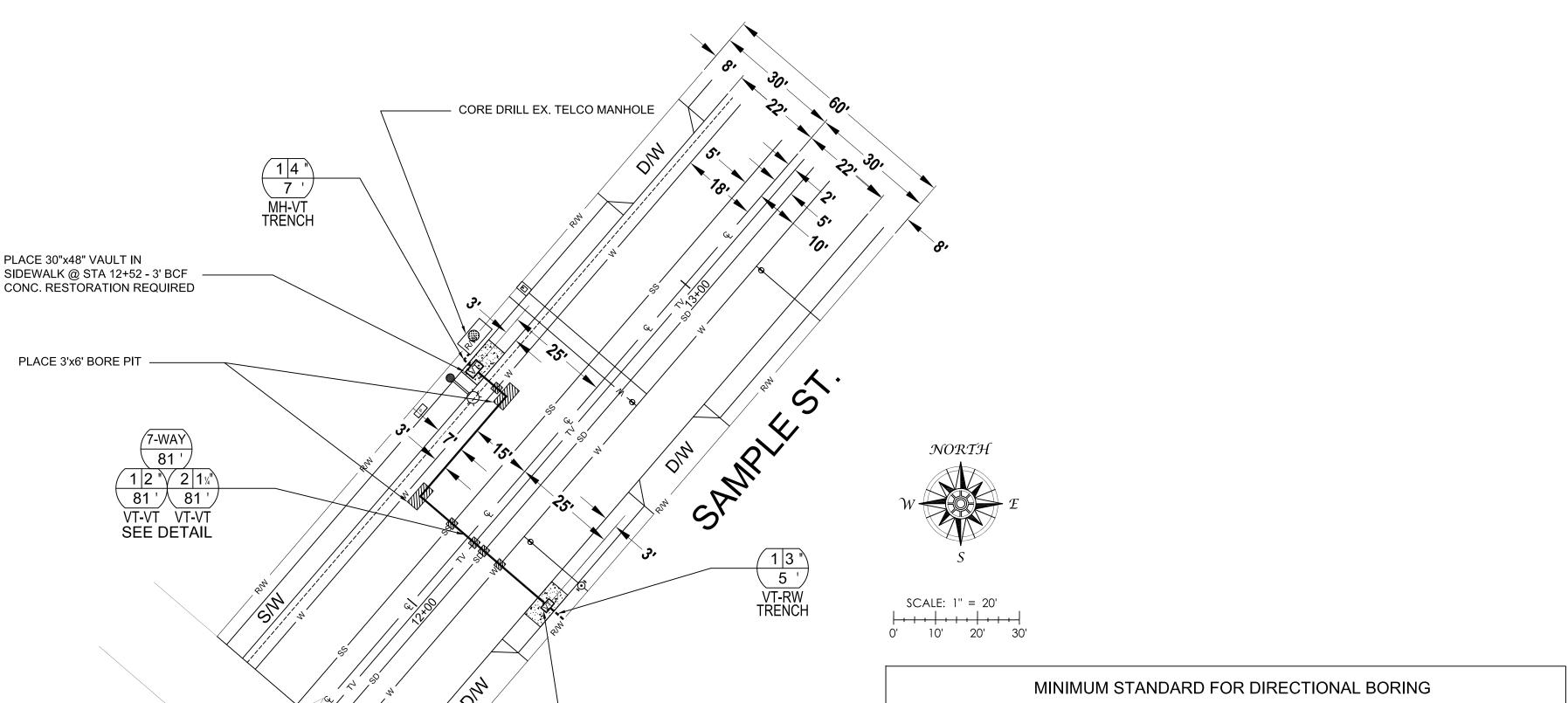
CITY OF IRVINE GENERAL NOTES

- 1. ALL WORK SHALL CONFORM TO THE MOST CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CITY OF IRVINE STANDARD DRAWINGS, CITY OF IRVINE STANDARD SPECIFICATIONS, THE UNIFORM BUILDING CODE, THE WORK AREA TRAFFIC CONTROL HANDBOOK (W.A.T.C.H. MANUAL), CALTRANS STANDARD SPECIFICATIONS, ADA, CALIFORNIA MUTCD AND TITLE 24.
- 2. THE CONTRACTOR SHALL TELEPHONE THE CITY OF IRVINE INSPECTIONS (949) 724-6500 AND THE CITY OF IRVINE TRAFFIC OPERATIONS (949) 724-7649, AT LEAST TWO WORKING DAYS (48 HOURS) PRIOR TO STARTING CONSTRUCTION.
- 3. ALL UNDERGROUND FACILITIES SHALL BE INSTALLED PRIOR TO SURFACING OF STREETS. THE INSTALLATION OF ALL UNDERGROUND FACILITIES CROSSING EXISTING ARTERIAL STREETS REQUIRES BORING OR JACKING, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- 4. ANY EXISTING PAVEMENT DISTURBED BY THE CONSTRUCTION OF UNDERGROUND INSTALLATIONS SHALL BE COVERED BY A PERMIT ISSUED BY THE CITY OF IRVINE.
- 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR AND COORDINATE THE RELOCATION OF ANY EXISTING UTILITIES DEEMED NECESSARY BY THE PROPOSED IMPROVEMENT.
- 6. WHENEVER IT BECOMES NECESSARY TO TUNNEL UNDER EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL SUPPORT THOSE IMPROVEMENTS IN A MANNER APPROVED BY THE CITY ENGINEER, OR THE CONTRACTOR SHALL SAWCUT, REMOVE AND REPLACE THOSE IMPROVEMENTS IN ACCORDANCE WITH THE CITY OF IRVINE STANDARD DRAWINGS.
- 7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND STAMP THE CURB ON EACH SIDE OF THE STREET WITH THE APPROPRIATE LETTER: "E" FOR EDISON, "T" FOR TELEPHONE, ETC., WHEREVER UNDERGROUND FACILITIES
- 8. PRIOR TO PLACING OF UNDERGROUND UTILITIES, THE LOCATION OF ALL UNDERGROUND FACILITIES (ELECTRICAL, TELEPHONE, CABLE TV, GAS, ETC.) SHALL BE ADDED TO IMPROVEMENT PLANS.
- 9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES (BY POTHOLING OR OTHER MEANS). CONTRACTORS SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) (800) 422-4133 AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION TO LOCATE EXISTING UTILITIES.
- 10. ALL CONCRETE WORK AS SHOWN ON PLANS (CURB & GUTTER, STORM DRAIN, PIPE, MANHOLES, SIDEWALK, ETC.) SHALL BE EXTRA STRENGTH CONCRETE WITH 7 SACK TYPE II CEMENT OR 6 SACK TYPE V CEMENT, UNLESS DEEMED UNNECESSARY BY SULPHATE CONTENT TESTS AS APPROVED BY THE CITY OF IRVINE.
- 11. CONTRACTOR SHALL OBTAIN ANY REQUIRED O.S.H.A. PERMITS PRIOR TO ANY EXCAVATIONS.
- 12. ARROW BOARDS SHALL BE USED ON ANY LANE CLOSURES ON ARTERIAL STREETS.
- 13. SLURRY BACKFILL SHALL BE REQUIRED WHEN TUNNELING UNDER CURB AND GUTTER. SLURRY BACKFILL IS REQUIRED AROUND ALL MANHOLE CONSTRUCTION WITHIN PAVED STREETS.
- 14. THE FOLLOWING SIGN SHALL BE POSTED AT ALL STREET INTERSECTIONS AND TRACT ENTRANCES. MAINTENANCE OF THIS STREET AND RIGHT-OF-WAY AND IS THE DEVELOPER'S RESPONSIBILITY.
- 15. STREET CONSTRUCTION AND IMPROVEMENTS SHALL NOT BE OPENED FOR PUBLIC USE UNTIL ACCEPTED BY THE
- 16. ALL IMPROVEMENTS AND TRAFFIC SIGNAL WORK WITHIN THE STATE RIGHT-OF-WAY SHALL CONFORM TO CURRENT CALTRANS STANDARD SPECIFICATIONS.
- 17. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. SHOULD CONDITIONS EXIST WHICH ARE CONTRARY TO THOSE SHOWN ON PLANS, THE DESIGN ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH WORK.
- 18. ALL WORK SHALL CONFORM TO THE PLANS AND SPECIFICATIONS IN ALL RESPECTS AND SHALL BE SUBJECT TO APPROVAL BY THE CITY'S INSPECTOR.
- 19. PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE, EXISTING SURVEY MONUMENTS SHALL BE NOTED AND DOCUMENTED BEFORE CONSTRUCTION. IF MONUMENTS ARE DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL PAY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER TO RESET SUCH MONUMENTS, UNLESS OTHERWISE SPECIFIED OR DESIGNATED.
- 20. CONSTRUCTION ACTIVITIES MAY OCCUR BETWEEN 7:00 A.M. AND 7:00 P.M. MONDAYS THROUGH FRIDAYS, AND 9:00 A.M. AND 6:00 P.M. ON SATURDAYS. NO CONSTRUCTION ACTIVITIES SHALL BE PERMITTED OUTSIDE OF THESE HOURS OR ON SUNDAYS AND FEDERAL HOLIDAYS UNLESS A TEMPORARY WAIVER IS GRANTED BY THE CHIEF BUILDING OFFICIAL OR HIS OR HER AUTHORIZED REPRESENTATIVE.
- 21. NO WORK MAY OCCUR ON ARTERIAL STREETS BEFORE 9:00 A.M. OR CONTINUE AFTER 3:00 P.M. UNLESS A TEMPORARY WAIVER IS GRANTED BY THE CHIEF BUILDING OFFICIAL OR HIS OR HER AUTHORIZED REPRESENTATIVE.



CLIENT NAME

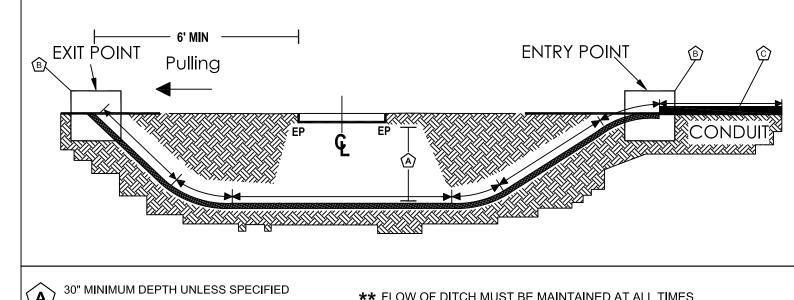
PROJECT TITLE ADDRESS, CITY, STATE, ZIP



PLACE 24"x36" VAULT IN

SIDEWALK @ STA 12+20 - 3' BCF

CONC. RESTORATION REQUIRED



30" MINIMUM DEPTH UNLESS SPECIFIED OTHERISE FROM CITY INSPECTOR

** FLOW OF DITCH MUST BE MAINTAINED AT ALL TIMES

** ANY EXISTING TILES DAMAGED SHALL BE REPLACED WITH THE SAME OR SIMILAR APPROVED MATERIAL, INCLUDING ALL COUPLINGS

B 3'x6' BORE PIT, RESTORE PER CITY STANDARDS REFER TO PLANS FOR CONDUIT SPECIFICATIONS

** PROTECT ROOTS AT ALL TREE LOCATIONS, SHIFT BORE TRENCH IF NECESSARY

CROWN CASTLE SOW:

1. INSTALL (1) 30"x48" CUSTOMER VAULT

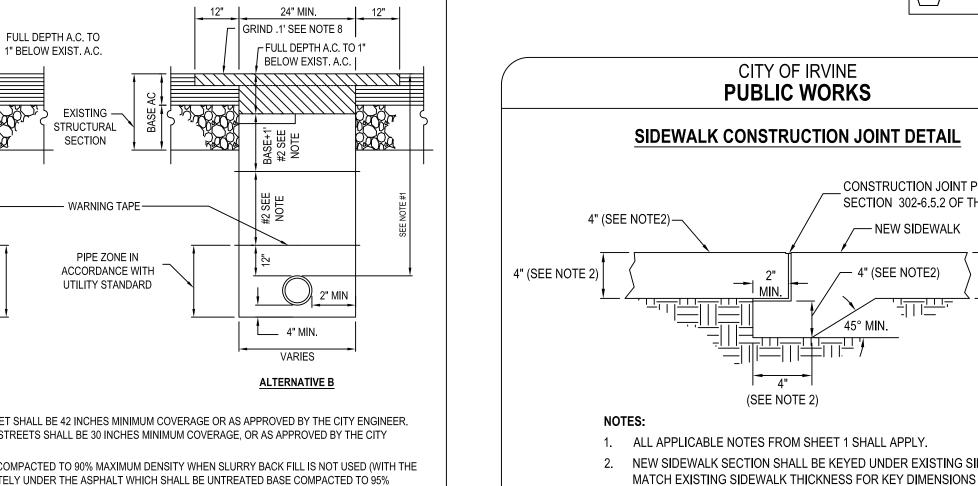
2. INSTALL (1) 24"x36" CUSTOMER VAULT

TOTAL UG EXCAVATION: 93'

3. INSTALL 7' (1) - 4" CONDUIT VIA HAND DIG

5. INSTALL 5' (1) - 3" CONDUIT VIA HAND DIG

4. INSTALL 81' (2) - 2" CONDUITS VIA DIRECTIONAL BORE



DEPTH OF UTILITIES ON ARTERIAL STREET SHALL BE 42 INCHES MINIMUM COVERAGE OR AS APPROVED BY THE CITY ENGINEER. DEPTH OF UTILITIES ON NON-ARTERIAL STREETS SHALL BE 30 INCHES MINIMUM COVERAGE, OR AS APPROVED BY THE CITY

CITY OF IRVINE

PUBLIC WORKS

- BACK FILL ABOVE PIPE ZONE SHALL BE COMPACTED TO 90% MAXIMUM DENSITY WHEN SLURRY BACK FILL IS NOT USED (WITH THE EXCEPTION OF THE TWO FEET IMMEDIATELY UNDER THE ASPHALT WHICH SHALL BE UNTREATED BASE COMPACTED TO 95% MAXIMUM DENSITY). COMPACTION TESTS SHALL BE TAKEN BY CONTRACTOR AT RANDOM LOCATIONS FOR EVERY 8 INCHES OF LIFT. FLOODING OR JETTING SHALL NOT BE ALLOWED.
- ALL UTILITIES TO BE INSTALLED BENEATH PUBLIC STREETS, INTERSECTIONS, AND STREET CROSSINGS (LOCAL STREETS EXCEPTED) SHALL BE BORED UNLESS OTHERWISE APPROVED BY THE INSPECTION SUPERINTENDENT. IF OPEN CUTTING OF A
- STREET IS ALLOWED, REPAIR OF THE STREET SHALL BE IN ACCORDANCE WITH THIS STANDARD PLAN. THE EDGE OF THE TRENCH SHALL BE A NEAT CUT AS APPROVED BY THE CITY INSPECTOR. THE TRENCH SHALL BE CAPPED WITH AC EVEN WITH THE FINISHED GRADE TO THE SATISFACTION OF THE CITY INSPECTOR.
- ALTERNATE A SHALL BE USED ON ARTERIAL STREETS, AT INTERSECTION, AND FOR STREET CROSSINGS. UNLESS CITY ENGINEER APPROVES THE USE OF ALTERNATE B. ALTERNATE B MAY BE USED FOR PARALLEL CUTS TO A STREET IF APPROVED BY THE CITY
- TRENCHING WITH ROCK WHEELS SHALL NOT BE ALLOWED. TRENCH WIDTH BELOW STRUCTURAL SECTION CAN BE LESS THAN 24 INCHES IF APPROVED BY THE CITY INSPECTOR.

1 SACK SLURRY

BACKFILL

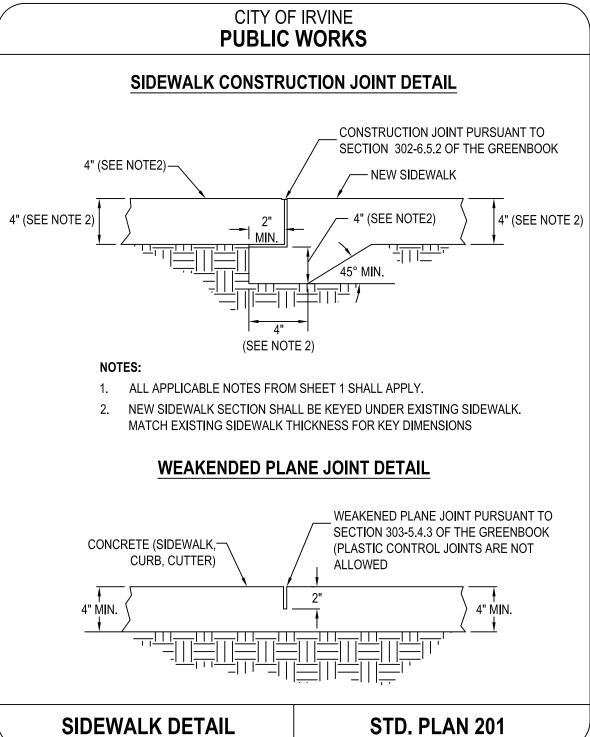
↑ 4" MIN.

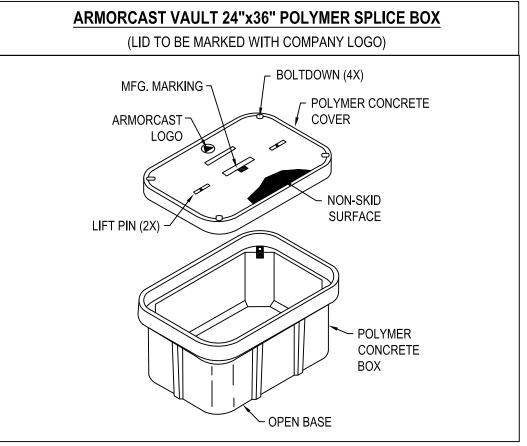
ALTERNATIVE A

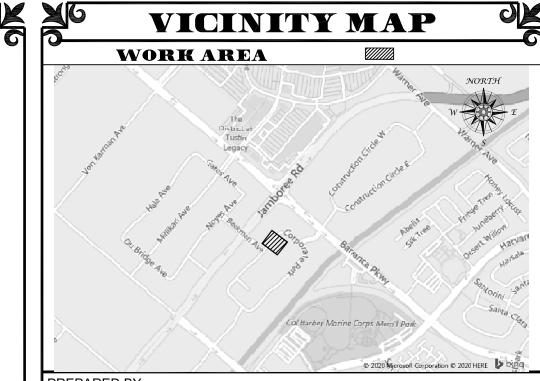
SEE NOTE 8

- UPON COMPLETION OF BACKFILLING THE TRENCH, ASPHALT CONCRETE SHALL BE INSTALLED FLUSH WITH THE EXISTING PAVEMENT. SEVEN CALENDAR DAYS AFTER COMPLETION OF AFOREMENTIONED ASPHALT CONCRETE IT SHALL BE GROUND TO 0.1 FOOT DEPTH FOR THE ENTIRE LENGTH OF THE TRENCH UNLESS OTHERWISE APPROVED BY THE CITY INSPECTOR. NEW ASPHALT CONCRETE SHALL BE INSTALLED EVEN WITH THE FINISH GRADE.
- ALL TRENCHES SHALL BE COMPACTED BY SELF-PROPELLED ROLLERS. NO WHEEL ROLLING IS ALLOWED.

STD. PLAN 223 UTILITY TRENCH DETAIL







Telecom Solutions, LLC

2001 THIRD ST #H, RIVERSIDE, CA 92507 (626) 320 - 0996 | peterm@ospros.net

PROPOSED WORK

SYMBOL/LINETYPE **DESCRIPTION**

_____ ∇T

CONCRETE RESTORATION ASPHALT RESTORATION PROPOSED TRENCH CENTERLINE PROPOSED DIRECTIONAL BORE DESIGN SUBMITTED TO ANOTHER AGENCY PROPOSED UNDERGROUND VAULT POTHOLE BORE / RECEIVE PIT

CONDUIT COUNT TO 0 CONDUIT SIZE PROPOSED CONDUIT DATA BLOCK DISTANCE \longrightarrow 0

EXISTING STRUCTURES		
symbol/linetype	ABV.	<u>DESCRIPTION</u>
⊗	POLE	UTILITY POLE
•	MH	MANHOLE
нн	нн	HAND HOLE
P	PED	PEDESTAL
+⊙ +	F/H	FIRE HYDRANT
9	VLV	VALVE
• - \$-\$	TS	TRAFFIC SIGNAL
- □	SL	STREET LIGHT
•	VNT	VENT
	MTR	WATER METER
©		BOLLARD
*	TR	TREE

EXISTING UTILITIES SYMBOL/LINETYPE STREET LIGHT CONDUIT ELECTRIC ____ E ____ TELEPHONE GAS ____ SD ____ STORM DRAIN SANITARY SEWER ----ss-----WATER _____W____ ____ TV ____ CATV

—— COMM —— COMM MISC. LINE TYPES SYMBOL/LINETYPE **DESCRIPTION** CENTER LINE RIGHT OF WAY R/W P/L PROPERTY LINE —— P/L —— ----EOP-----EDGE OF PAVEMENT FRONT OF CURB —— FOC —— CURB FACE C&G ------ C&G ------CURB & GUTTER GUTTER LIP -

TRAFFIC CONDUIT

RAILROAD

— тс —

MISC. ABBREVIATIONS **DESCRIPTION** BCF BEHIND CURB FACE FCF FRONT OF CURB FACE CONC CONCRETE EX EXISTING U/G UNDERGROUND S/W SIDEWALK D/W DRIVEWAY PLACE (INSTALL NEW)

R/R

NOTICE TO CONTRACTORS

THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HERE WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. CONTRACTOR IS REQUIRED TO LOCATE AND POT HOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION.



DIGALERT CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT PHONE NO. 811

CONSTRUCTION PLAN

DRAWN OSPROS CLIENT NAME DESIGN OSPROS **CLIENT ADDRESS** CHECKED OSPROS CITY, STATE, ZIP DATE XX/XX/202 PROJECT TITLE PROJECT ADDRESS CITY, STATE, ZIP OF

PROJECT # TRACKING #.

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PLOTTED: 10/29/2020