

PROPOSED SUBDIVISION NAME

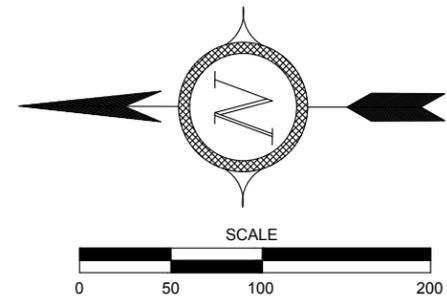
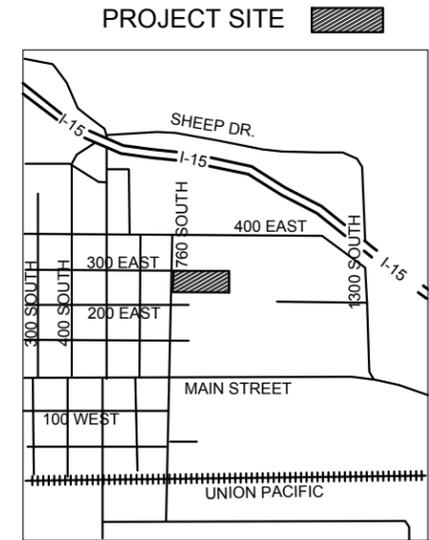
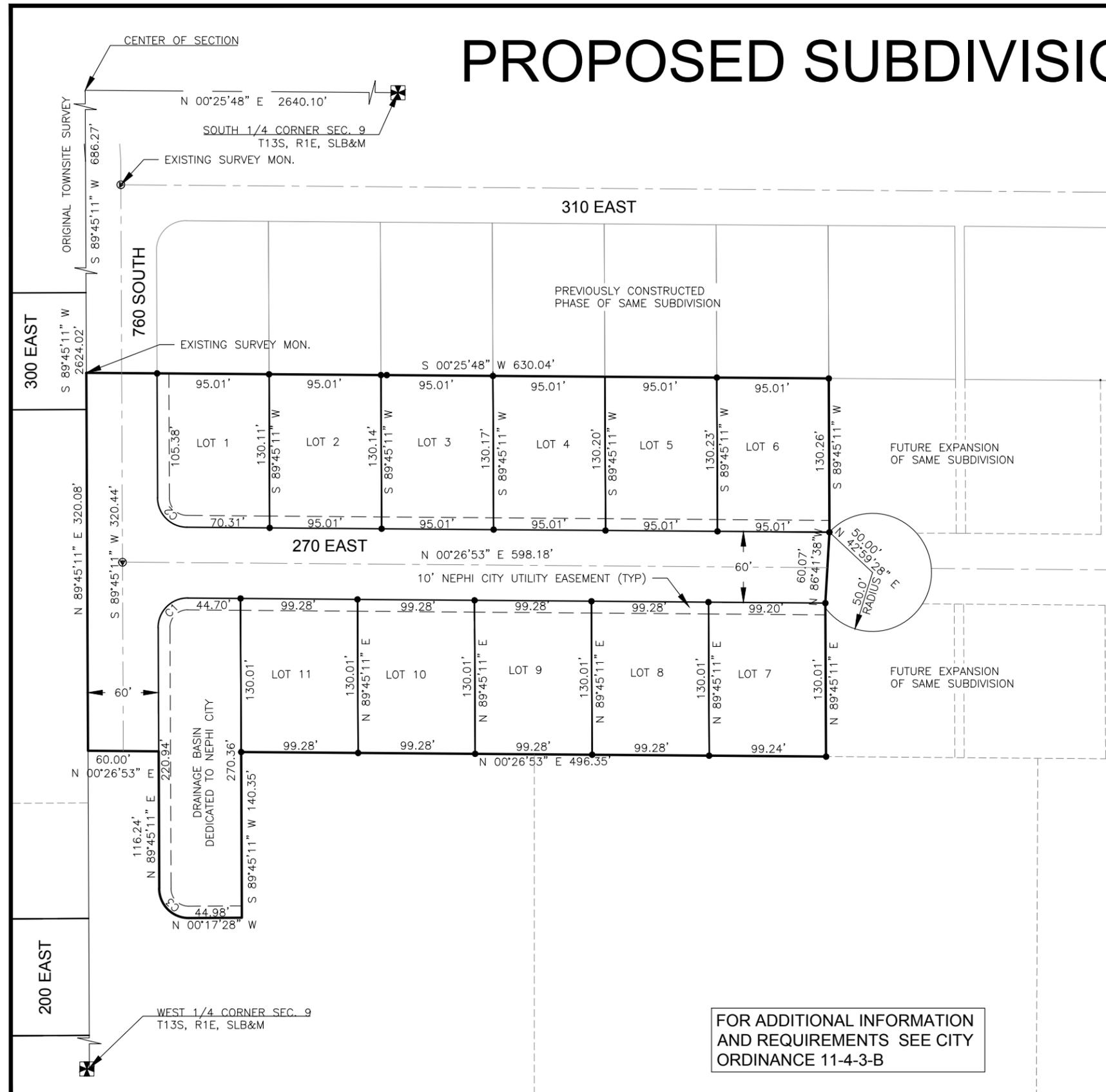


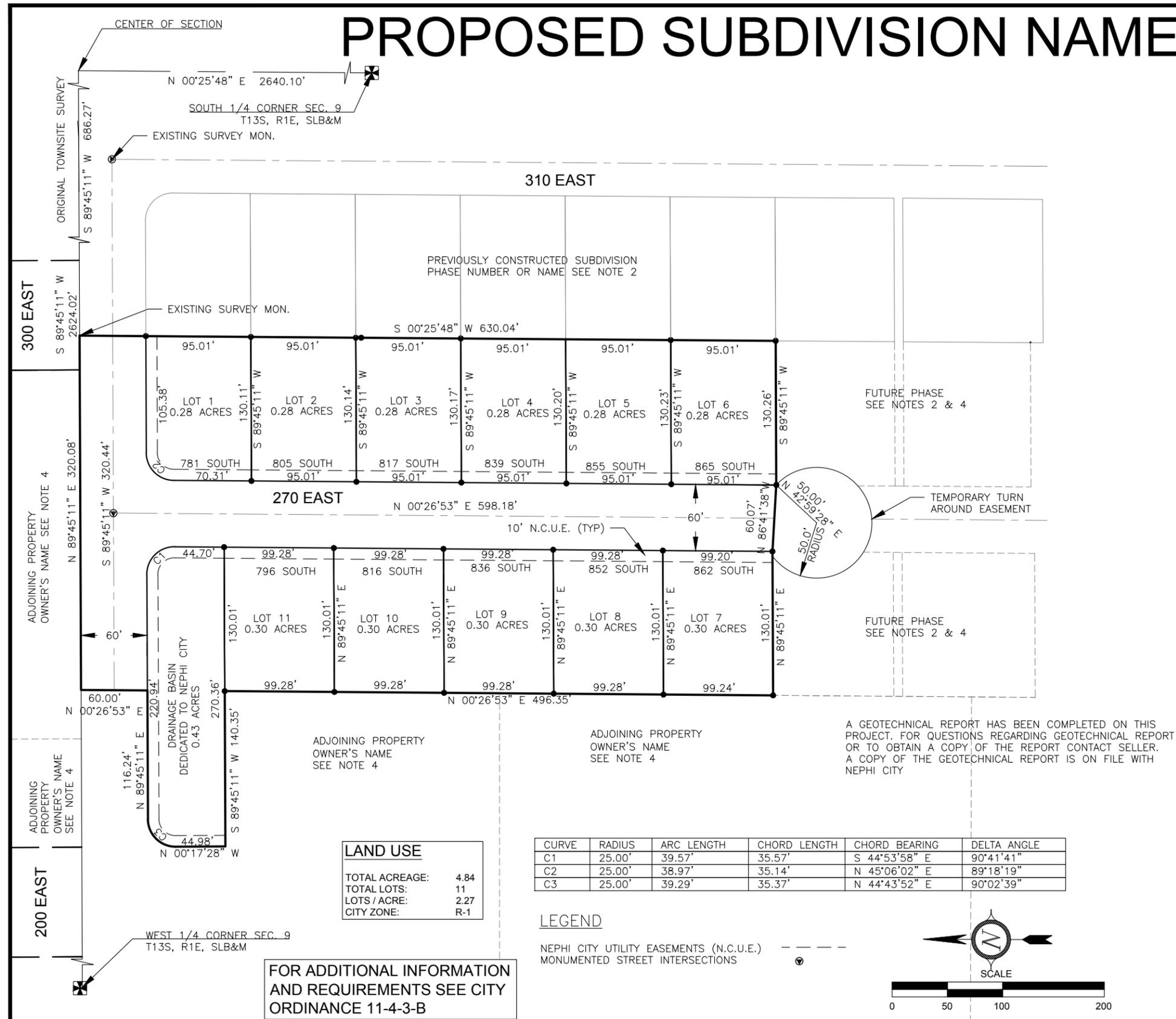
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FOR ADDITIONAL INFORMATION AND REQUIREMENTS SEE CITY ORDINANCE 11-4-3-B

LAND USE	
TOTAL ACREAGE:	4.84
TOTAL LOTS:	11
LOTS / ACRE:	2.27
CITY ZONE:	R-1

SHEET	ORIGINAL	DRAWING NAME	PROJECT NAME	CLIENT NAME/OWNER NAME	ENGINEERING FIRM
1	BY _____ DATE _____ REVISIONS △ BY _____ DATE _____ △ BY _____ DATE _____ △ BY _____ DATE _____	COVER	PROJECT LOCATION	CLIENT ADDRESS	FIRM ADDRESS

PROPOSED SUBDIVISION NAME



SURVEYOR'S CERTIFICATE

I, SURVEYOR'S NAME, DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR, AND THAT I HOLD CERTIFICATE NO.152774 AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY BY THE AUTHORITY OF THE OWNERS, I HAVE MADE A SURVEY OF THE TRACT OF LAND SHOWN ON THIS PLAT AND DESCRIBED BELOW, AND HAVE SUBDIVIDED SAID TRACT OF LAND INTO LOTS, BLOCKS, STREETS, AND EASEMENTS AND THE SAME HAS BEEN CORRECTLY SURVEYED AND STAKED ON THE GROUND AS SHOWN ON THIS PLAT AND THAT THIS PLAT IS TRUE AND CORRECT.

BOUNDARY DESCRIPTION

Beginning at a point which _____

DESCRIPTION HERE

DATE

SURVEYOR'S NAME
(SEE SEAL BELOW)

OWNERS' DEDICATION

KNOW ALL MEN BY THESE PRESENTS THAT I, OWNER'S NAME, THE UNDERSIGNED OWNER OF ALL THE PROPERTY DESCRIBED IN THE SURVEYORS CERTIFICATE HEREON AND SHOWN ON THIS MAP, HAVE CAUSED THE SAME TO BE SUBDIVIDED INTO LOTS, BLOCKS, STREETS, AND EASEMENTS AND DO HEREBY DEDICATE, GRANT AND CONVEY TO NEPHI CITY, A MUNICIPAL CORPORATION OF THE STATE OF UTAH, ALL THOSE PARTS OR PORTIONS OF SAID TRACT OF LAND DESIGNATED AS STREETS, THE SAME TO BE USED AS PUBLIC THOROUGHFARES FOREVER, AND ALSO DEDICATE TO NEPHI CITY THOSE CERTAIN STRIPS AS EASEMENTS FOR PUBLIC UTILITY PURPOSES AS SHOWN HEREON, THE SAME TO BE USED FOR THE INSTALLATION, MAINTENANCE AND OPERATION OF PUBLIC UTILITY SERVICE LINES, AS MAY BE AUTHORIZED BY NEPHI CITY, IN WITNESS WHEREOF WE HAVE HEREUNTO SET OUR HANDS THIS ____ DAY OF _____, A.D. 2015.

OWNER'S NAME _____

STATE OF UTAH } s.s.
COUNTY OF _____ }

ON THE ____ DAY OF _____, A.D. 2015 PERSONALLY APPEARED BEFORE ME, A NOTARY PUBLIC IN AND FOR THE STATE OF UTAH, LARRY WRIGHT, THE SIGNER OF THE FOREGOING DEDICATION WHO DULY ACKNOWLEDGES TO ME THAT HE DID EXECUTE THE SAME.

MY COMMISSION EXPIRES _____

NOTARY PUBLIC
(SEE SEAL BELOW)

ACCEPTANCE BY LEGISLATIVE BODY

THE CITY COUNCIL OF NEPHI CITY, COUNTY OF JUAB, APPROVES THIS SUBDIVISION AND HEREBY ACCEPTS THE DEDICATION OF ALL STREETS, EASEMENTS, AND OTHER PARCELS OF LAND INTENDED FOR PUBLIC PURPOSES FOR THE PERPETUAL USE OF THE PUBLIC AS MAY BE AUTHORIZED BY NEPHI CITY, THIS ____ DAY OF _____, AD 2015.

MAYOR

COUNCIL MEMBER

COUNCIL MEMBER

COUNCIL MEMBER

COUNCIL MEMBER

ATTEST

CLERK-RECORDER
(SEE SEAL BELOW)

PLANNING COMMISSION APPROVAL

APPROVED THIS ____ DAY OF _____, A.D. 2015, BY THE

CHAIRMAN, PLANNING COMMISSION

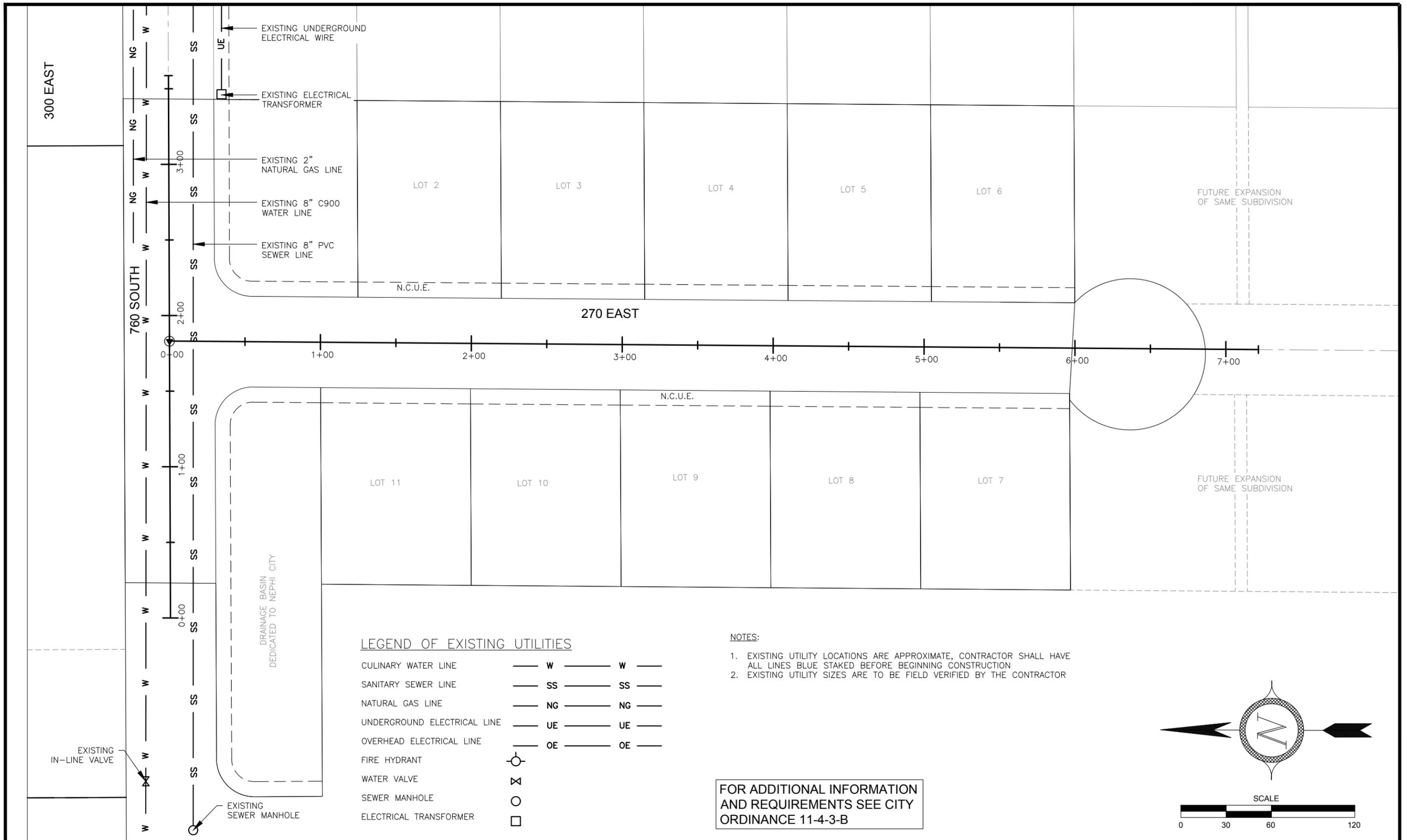
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SURVEYORS SEAL

NOTARY PUBLIC SEAL

CLERK-RECORDER SEAL

SHEET 2	ORIGINAL BY _____ DATE _____ REVISIONS △ BY _____ DATE _____ △ BY _____ DATE _____ △ BY _____ DATE _____	DRAWING NAME PLAT	PROJECT NAME PROJECT LOCATION	CLIENT NAME/OWNER NAME CLIENT ADDRESS	ENGINEERING/SURVEY FIRM FIRM ADDRESS
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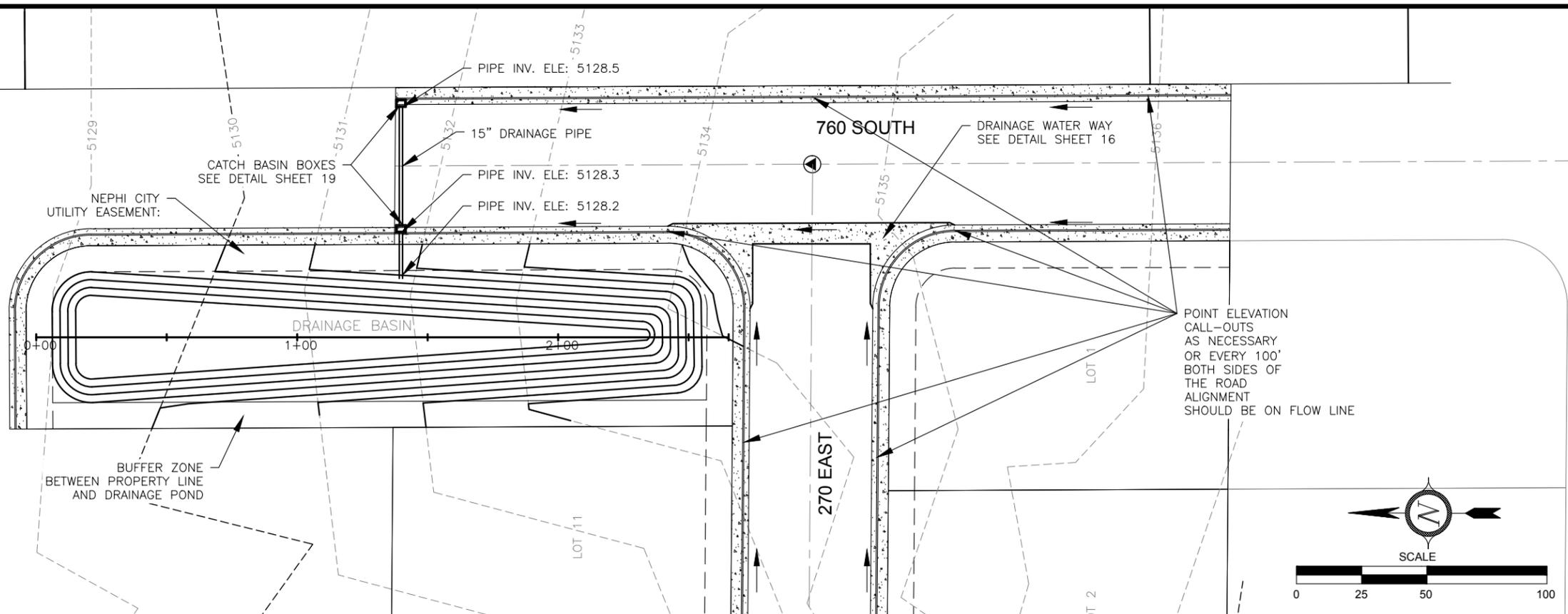


SHEET 3	ORIGINAL BY _____ DATE _____	DRAWING NAME EXISTING UTILITIES	PROJECT NAME PROJECT LOCATION	CLIENT NAME/OWNER NAME CLIENT ADDRESS	ENGINEERING FIRM FIRM ADDRESS
	REVISIONS △ BY _____ DATE _____ △ BY _____ DATE _____ △ BY _____ DATE _____				

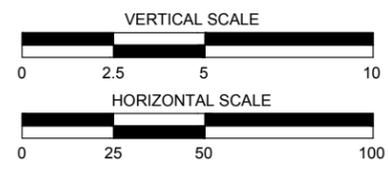
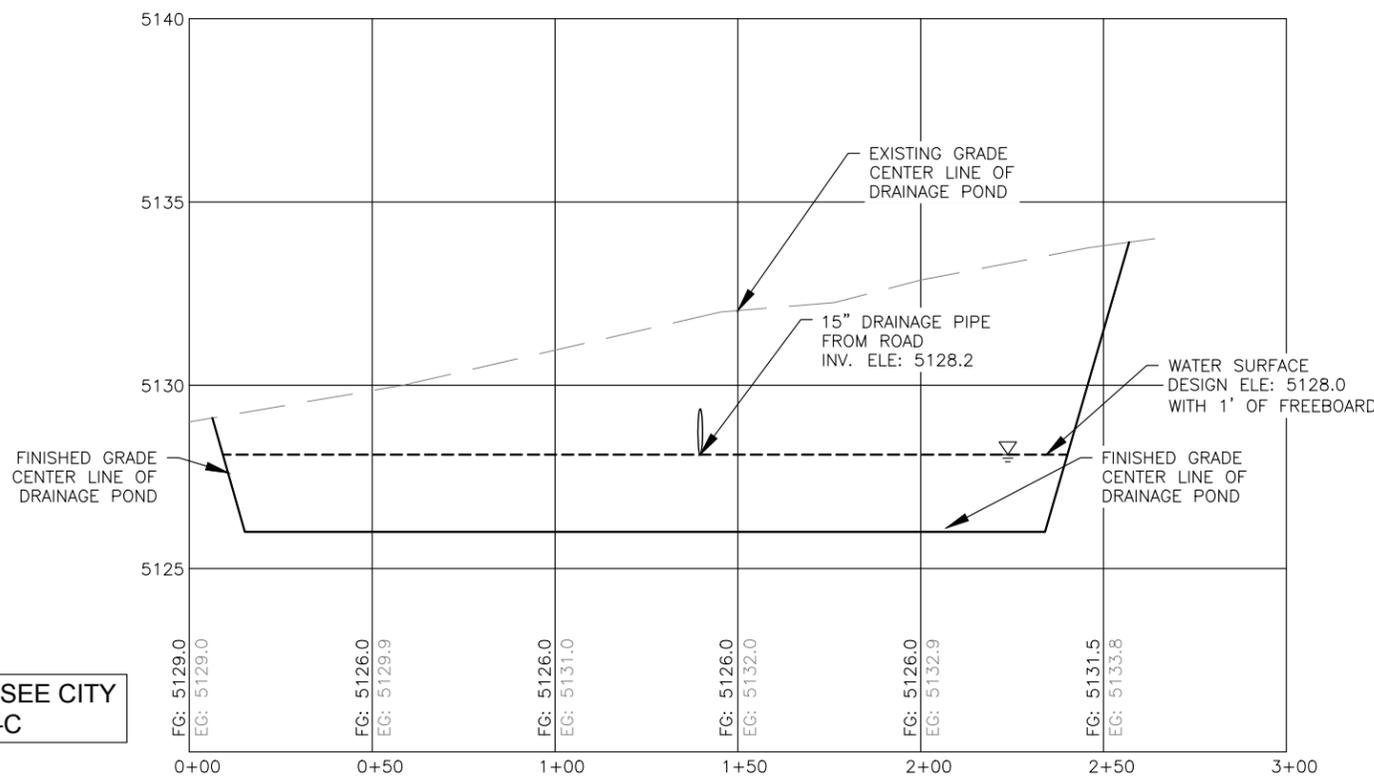
- NOTE:
ALL DRAINAGE PLANS MUST INCLUDE THE FOLLOWING:
1. A GEO-TECHNICAL SOILS REPORT OF THE SITE
 2. HYDROLOGIC STORM WATER RUN-OFF CALCULATIONS, AND STORAGE CALCULATIONS
 3. SEE CITY ORDINANCE 11-4-3-B AND 11-4-3-C FOR ADDITIONAL DRAINAGE REQUIREMENTS

LEGEND:

- EXISTING TOPO LINES
- PROPOSED TOPO LINES
- RUN-OFF FLOW DIRECTION

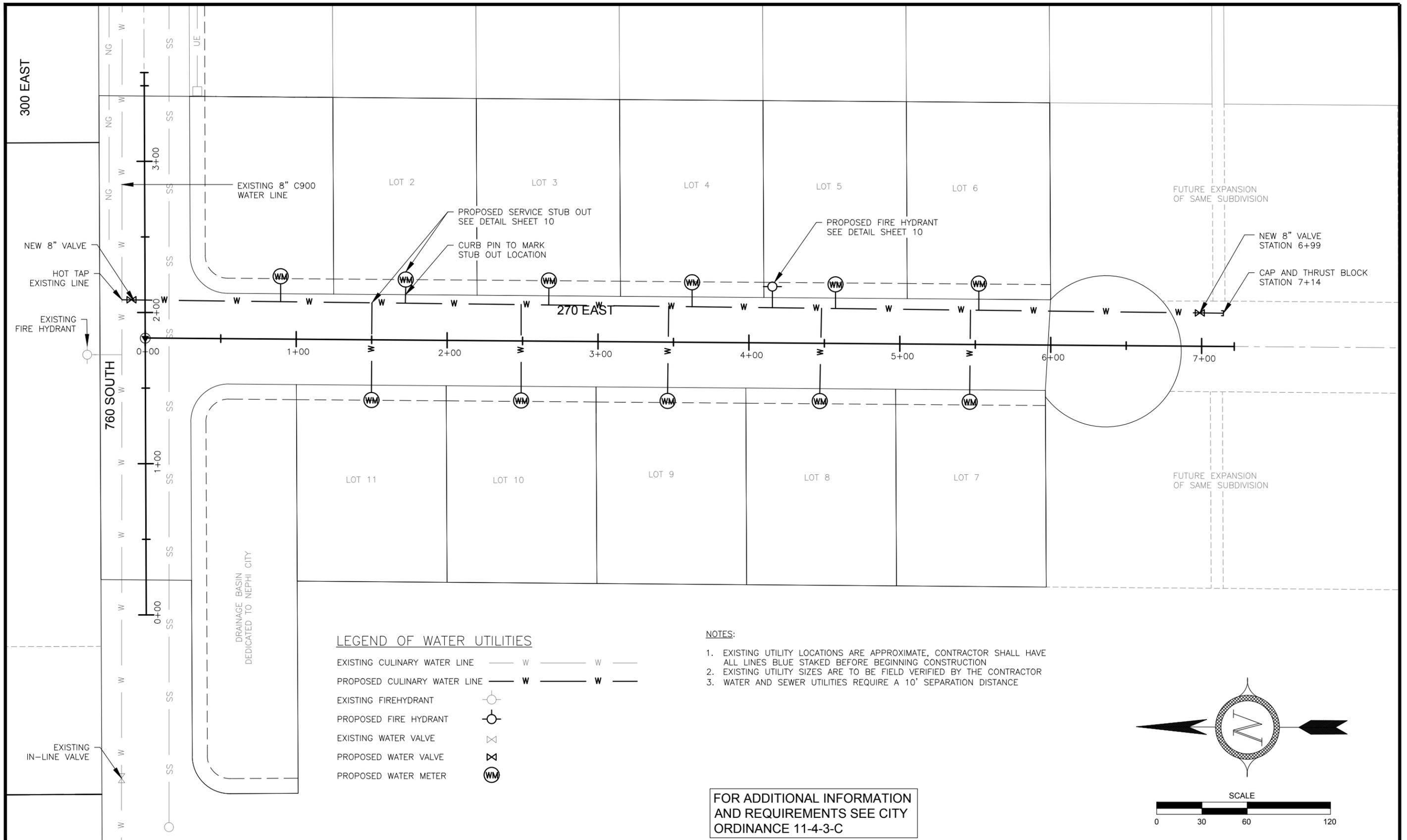


- NOTE:
1. PLAN AND PROFILE DRAWINGS AS NECESSARY FOR DRAINAGE PLAN
 2. IF MULTIPLE ALIGNMENTS ARE USED THEN MULTIPLE PLAN AND PROFILE DRAWINGS ARE NEEDED
 3. DETAIL SHEETS AS NEEDED

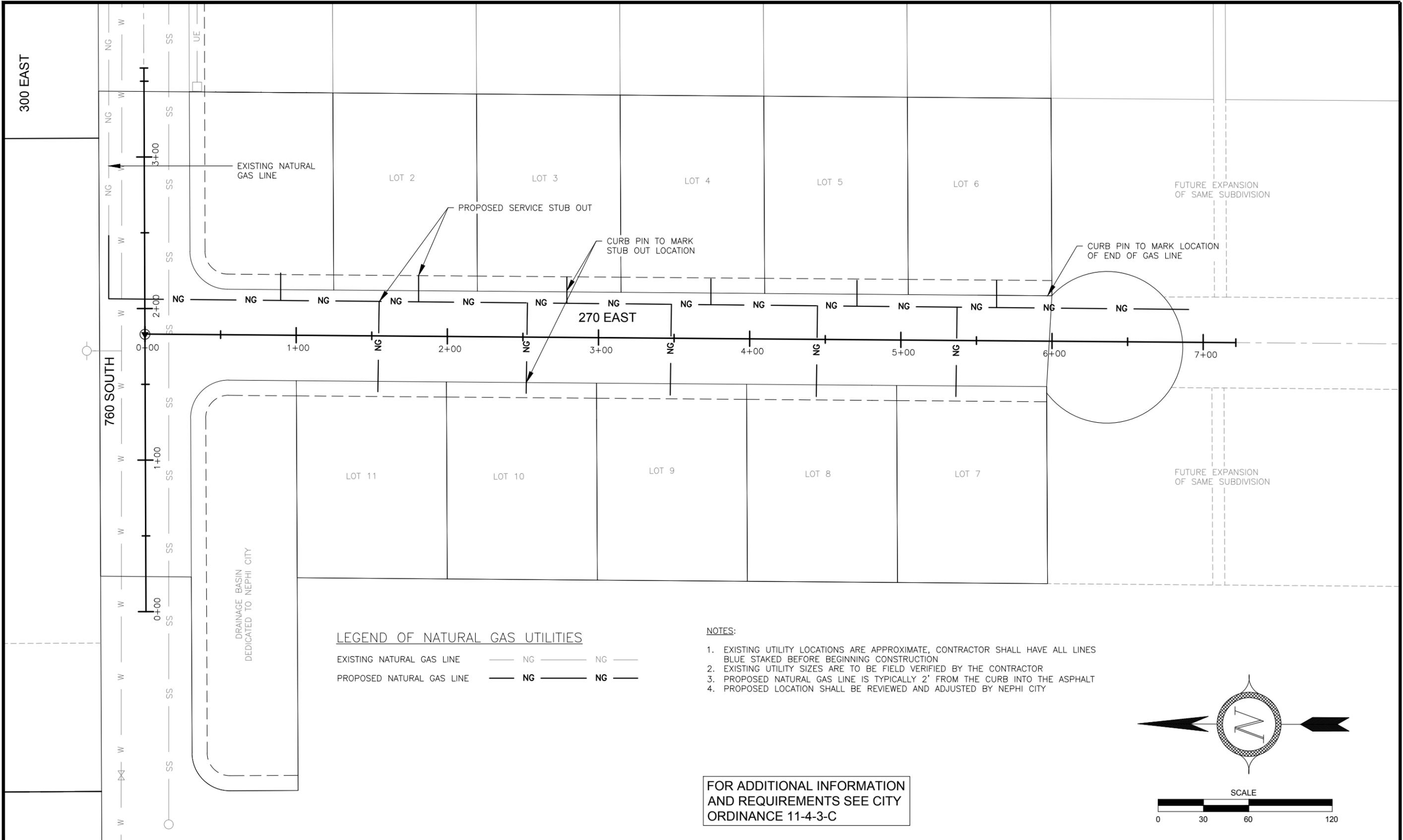


FOR ADDITIONAL INFORMATION SEE CITY ORDINANCE 11-4-3-B AND 11-4-3-C

SHEET 4	ORIGINAL BY _____ DATE _____	DRAWING NAME PROPOSED DRAINAGE (PLAN & PROFILE)	PROJECT NAME PROJECT LOCATION	CLIENT NAME/OWNER NAME CLIENT ADDRESS	ENGINEERING FIRM FIRM ADDRESS
	REVISIONS △ BY _____ DATE _____ △ BY _____ DATE _____ △ BY _____ DATE _____				



SHEET 5	ORIGINAL BY _____ DATE _____	DRAWING NAME PROPOSED WATER UTILITY	PROJECT NAME PROJECT LOCATION	CLIENT NAME/OWNER NAME CLIENT ADDRESS	ENGINEERING FIRM FIRM ADDRESS
	REVISIONS △ BY _____ DATE _____ △ BY _____ DATE _____ △ BY _____ DATE _____				



SHEET
6

ORIGINAL
BY _____ DATE _____

REVISIONS

△ BY _____ DATE _____

△ BY _____ DATE _____

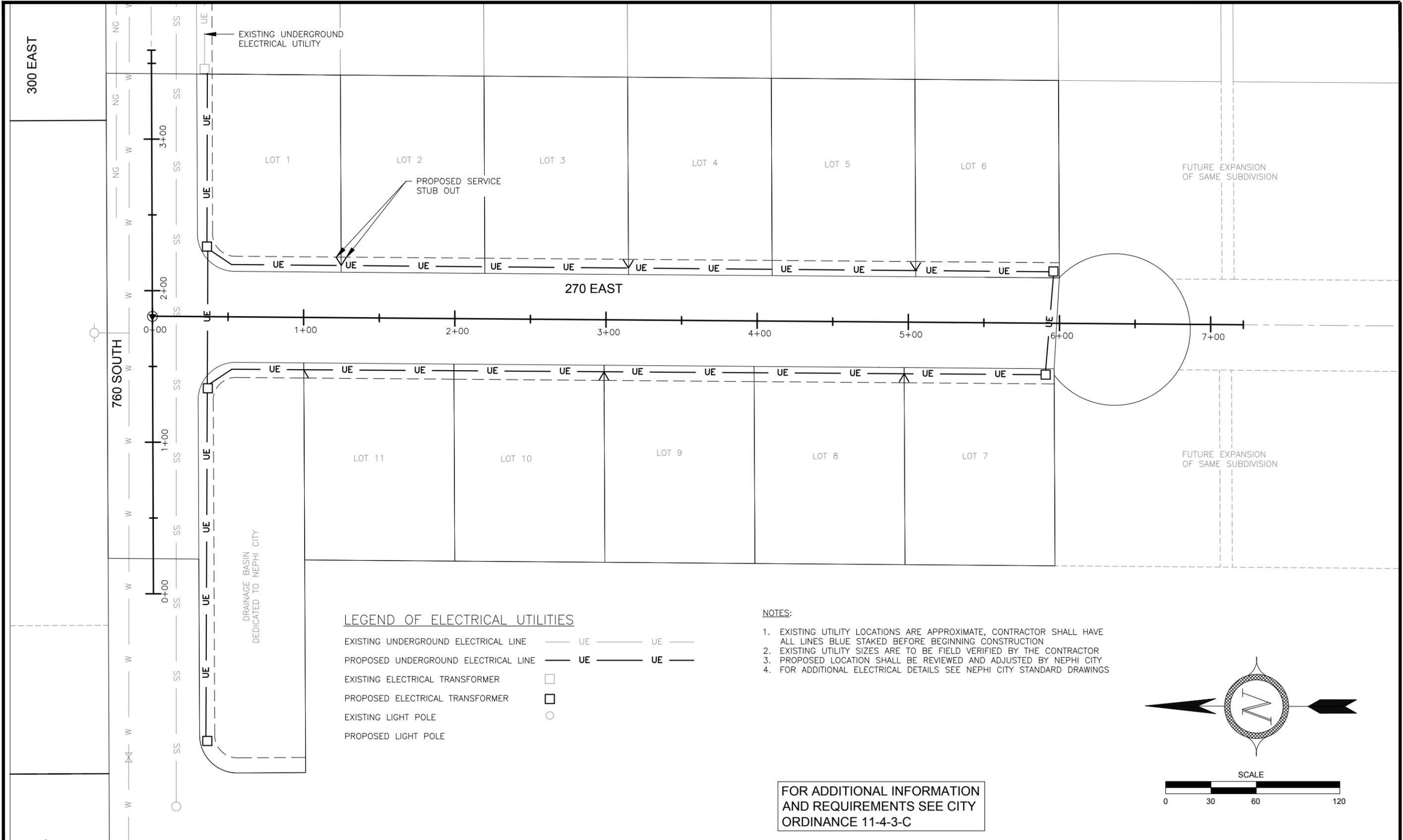
△ BY _____ DATE _____

DRAWING NAME
PROPOSED NATURAL GAS UTILITY

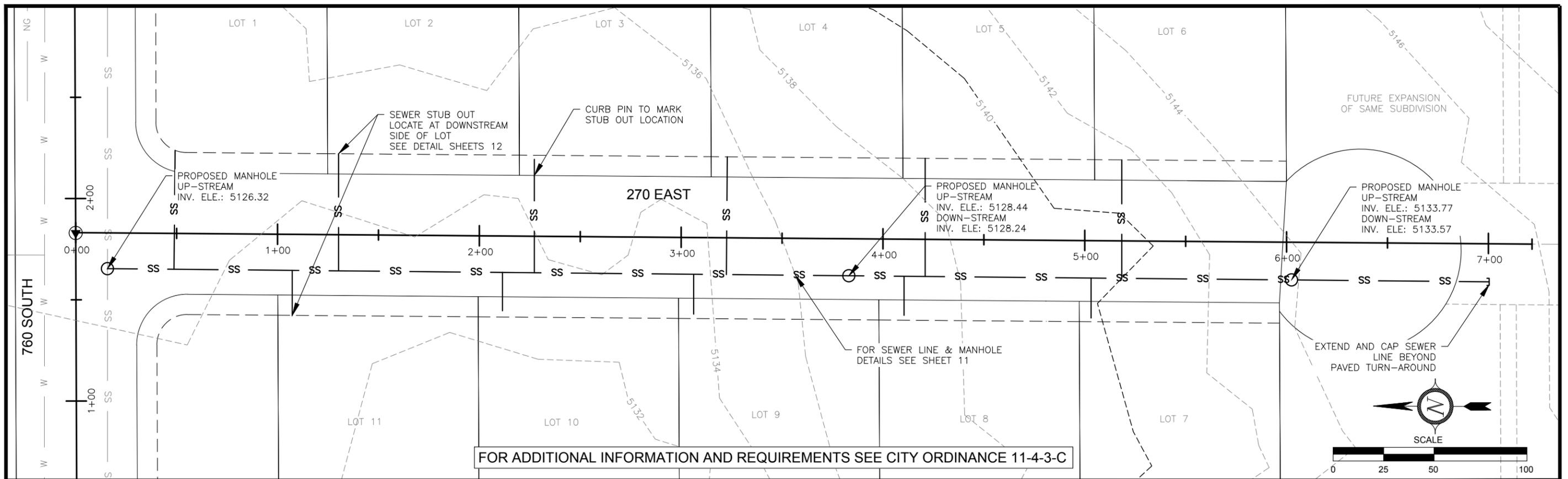
PROJECT NAME
PROJECT LOCATION

CLIENT NAME/OWNER NAME
CLIENT ADDRESS

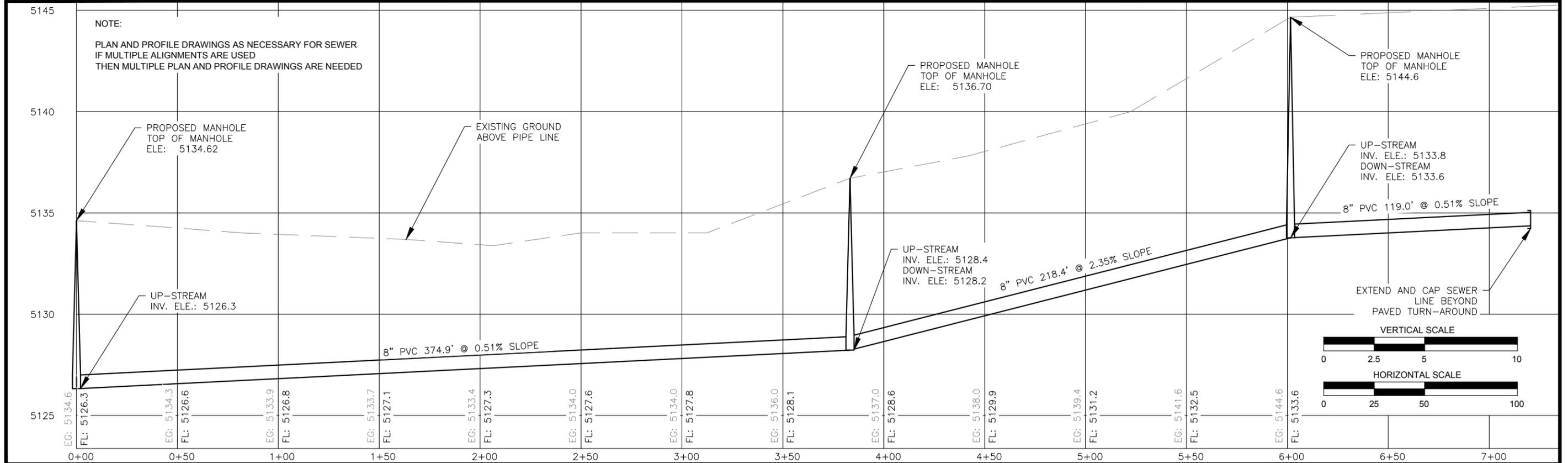
ENGINEERING FIRM
FIRM ADDRESS



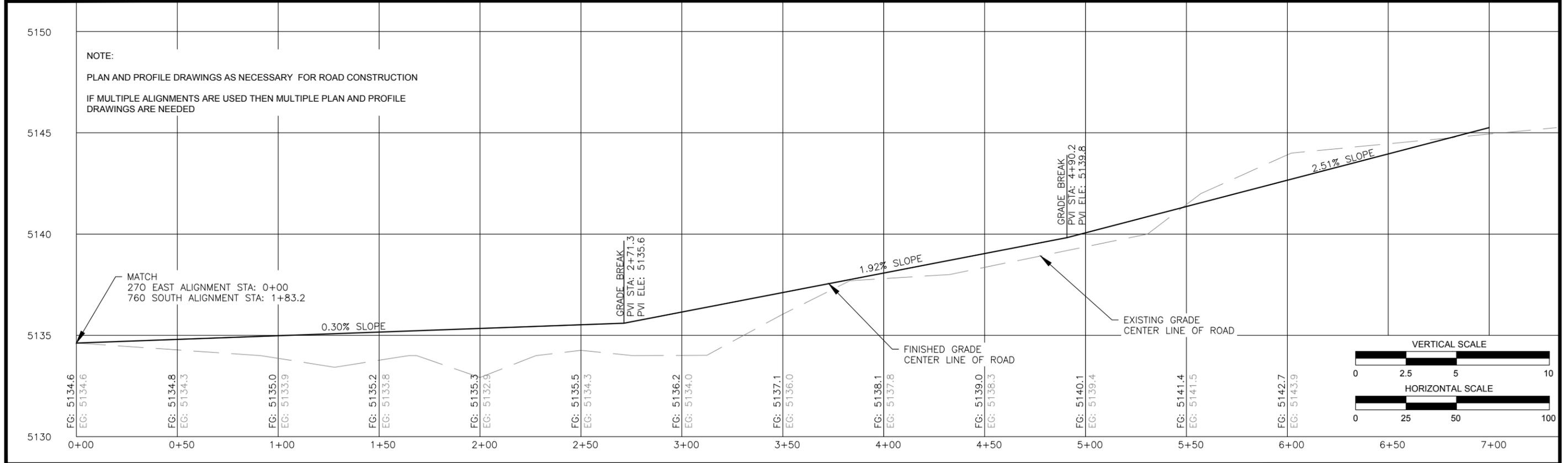
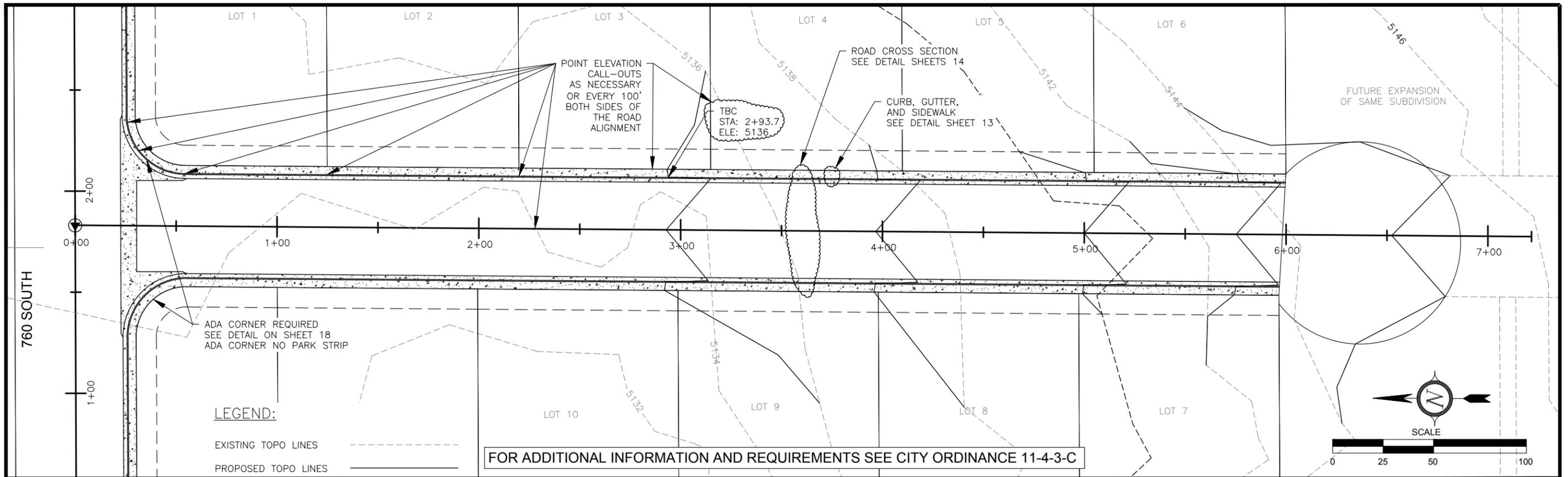
SHEET 7	ORIGINAL BY _____ DATE _____	DRAWING NAME PROPOSED ELECTRICAL UTILITY	PROJECT NAME PROJECT LOCATION	CLIENT NAME/OWNER NAME CLIENT ADDRESS	ENGINEERING FIRM FIRM ADDRESS
	REVISIONS △ BY _____ DATE _____ △ BY _____ DATE _____ △ BY _____ DATE _____				



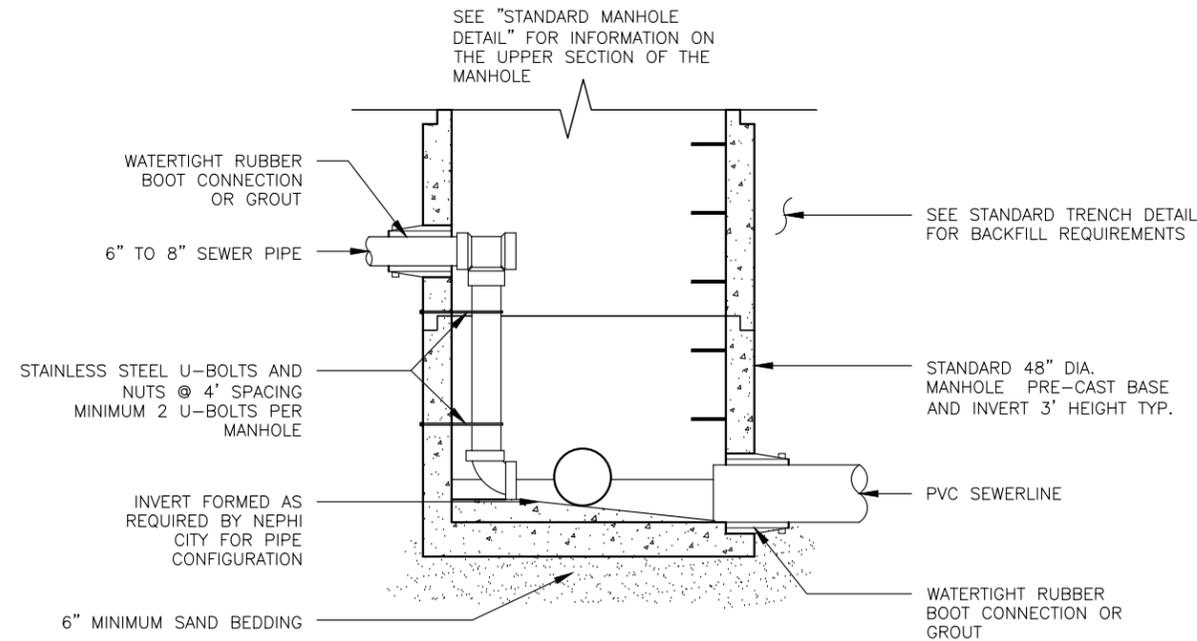
FOR ADDITIONAL INFORMATION AND REQUIREMENTS SEE CITY ORDINANCE 11-4-3-C



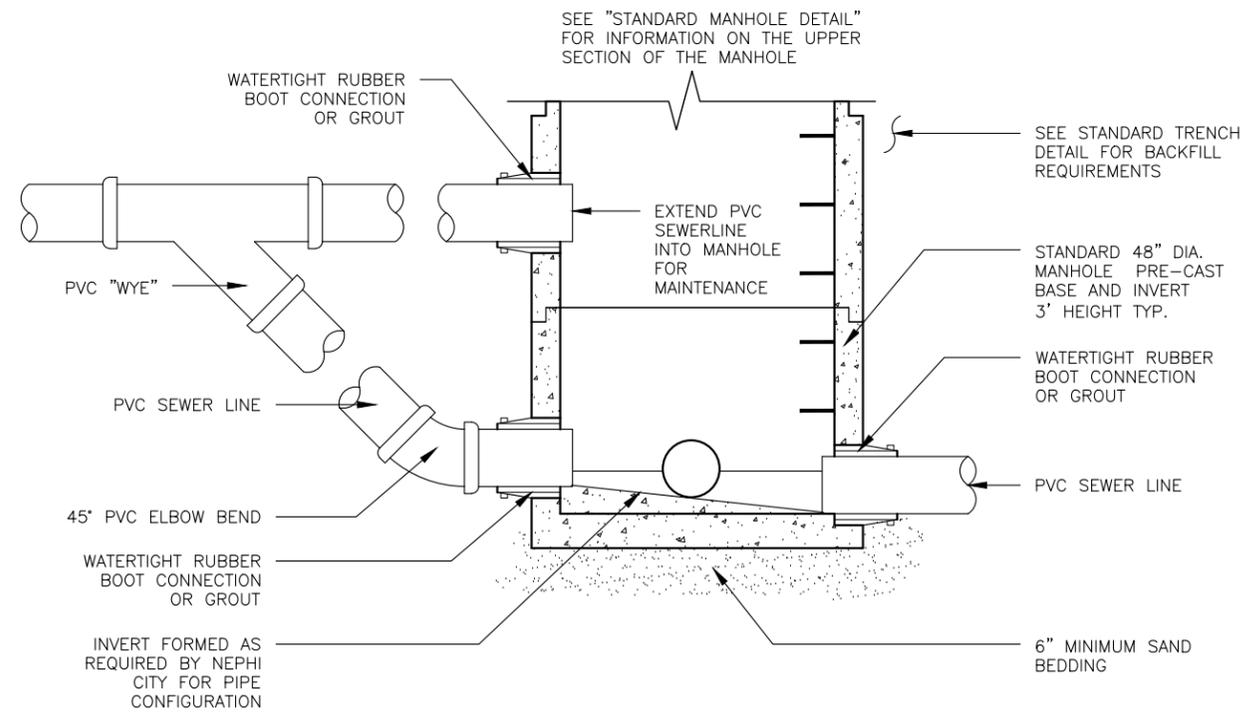
SHEET 	ORIGINAL BY _____ DATE _____	DRAWING NAME PROPOSED SEWER UTILITY (PLAN & PROFILE)	PROJECT NAME PROJECT LOCATION	CLIENT NAME/OWNER NAME CLIENT ADDRESS	ENGINEERING FIRM FIRM ADDRESS
	REVISIONS ▲ BY _____ DATE _____ ▲ BY _____ DATE _____ ▲ BY _____ DATE _____				



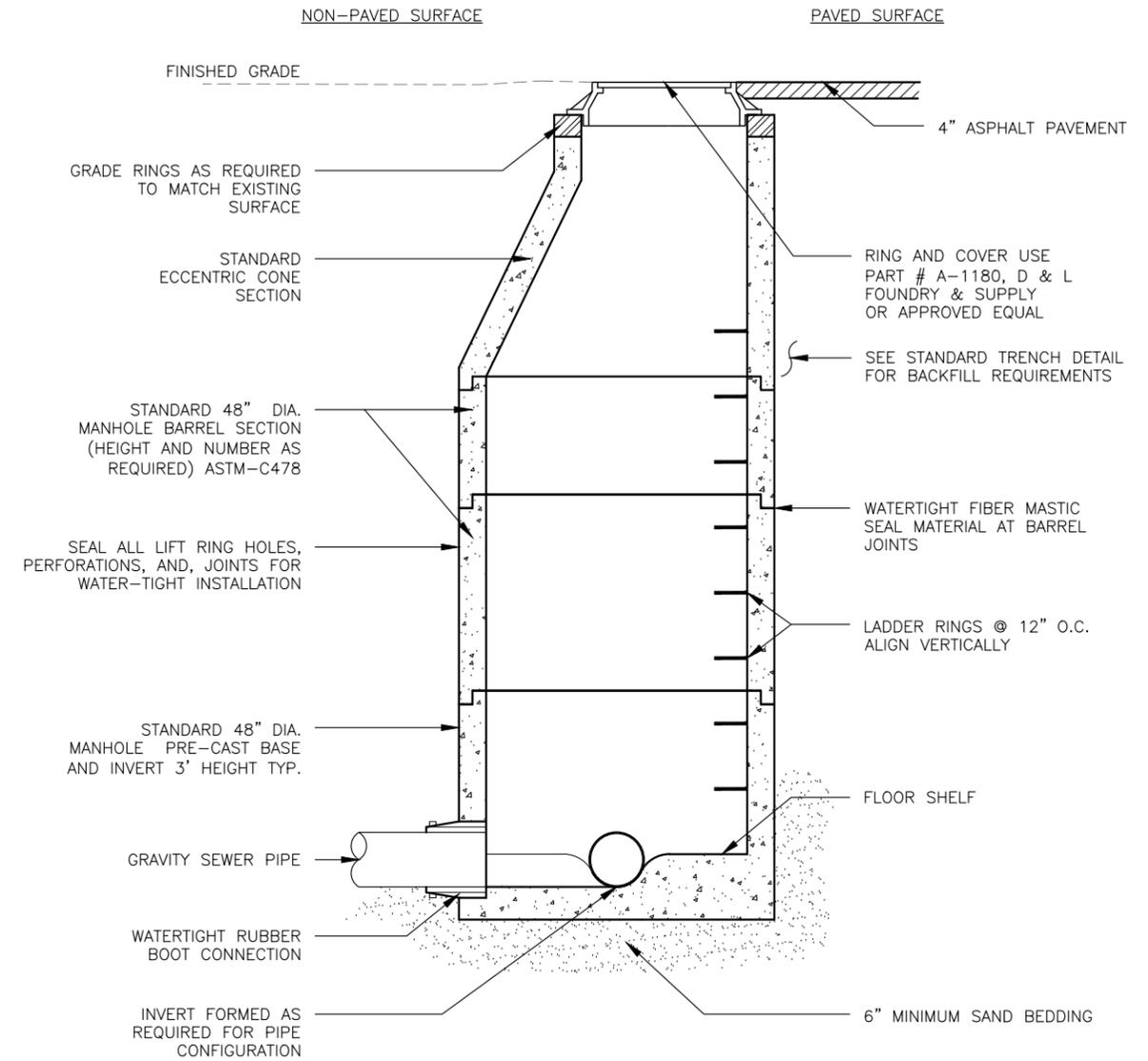
SHEET 9	ORIGINAL BY _____ DATE _____	DRAWING NAME PROPOSED ROAD (PLAN & PROFILE)	PROJECT NAME PROJECT LOCATION	CLIENT NAME/OWNER NAME CLIENT ADDRESS	ENGINEERING FIRM FIRM ADDRESS
	REVISIONS ▲ BY _____ DATE _____ ▲ BY _____ DATE _____ ▲ BY _____ DATE _____				



INSIDE DROP MANHOLE DETAIL (8" AND SMALLER)
NOT TO SCALE



OUTSIDE DROP MANHOLE DETAIL (10" AND LARGER)
NOT TO SCALE



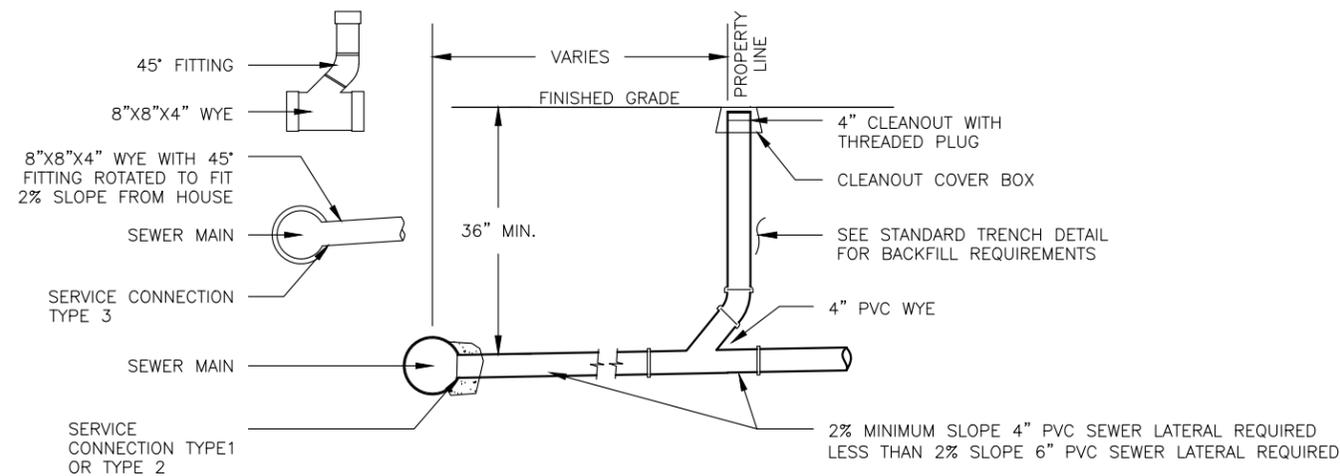
STANDARD MANHOLE DETAIL
NOT TO SCALE

NOTES:

1. MINIMUM GRADES FOR MAIN LINE INSTALLATION SHALL BE IN ACCORDANCE WITH STATE REGULATIONS
2. DROP MANHOLES ARE NOT REQUIRED ON DROPS LESS THAN 18"
3. SDR 35 PVC REQUIRED ON ALL NEW MAIN LINE INSTALLATION
4. VENTED LIDS REQUIRED IN CITY STREETS
5. WHERE FIELD CONDITIONS PROHIBIT THE COMBINATIONS SHOWN, OTHER COMBINATIONS MAY BE USED UPON APPROVAL BY NEPHI CITY

SEE ALSO GENERAL SEWER UTILITY NOTES ON SHEET 202

SHEET 11	ORIGINAL BY _____ DATE _____	DRAWING NAME SANITARY SEWER DETAIL	PROJECT NAME PROJECT LOCATION	CLIENT NAME/OWNER NAME CLIENT ADDRESS	ENGINEERING FIRM FIRM ADDRESS
	REVISIONS ▲ BY _____ DATE _____ ▲ BY _____ DATE _____ ▲ BY _____ DATE _____				



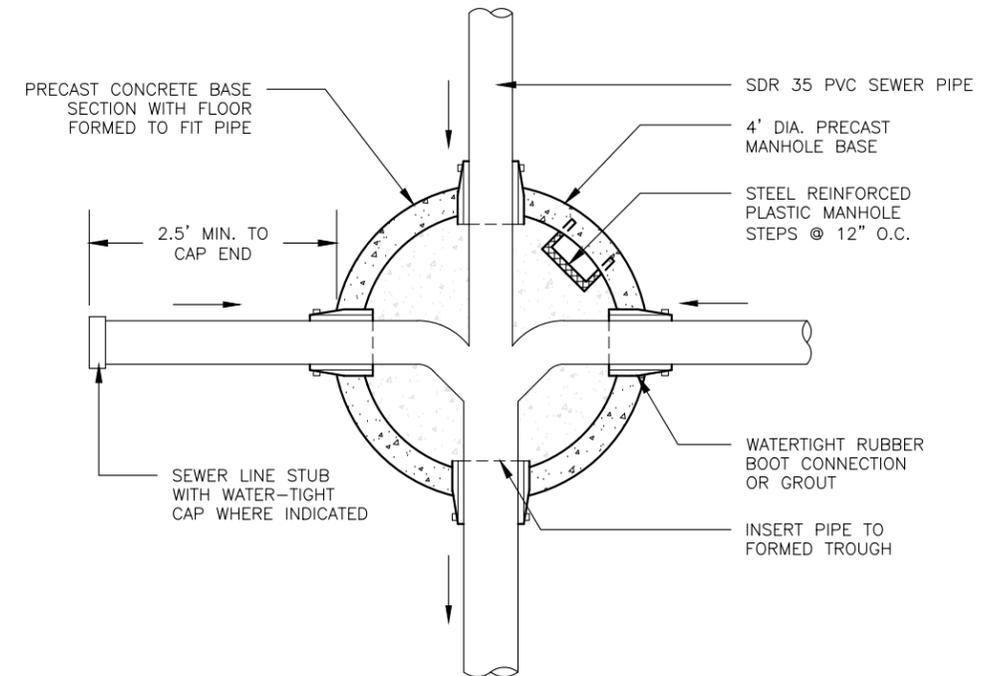
NOTES:

SERVICE CONNECTION TYPES:

1. FOR CONNECTION TO EXISTING PVC MAIN LINE, A STRAIGHT TAP INTO THE MAIN WILL BE MADE WITH A GASKET AND LATERAL INSERTED.
2. FOR CONNECTION TO EXISTING CONCRETE OR CLAY TILE MAIN LINE, THE LATERAL PIPE WILL BE INSERTED INTO A SECTION OF THE MAIN LINE PIPE WHERE THE CONTRACTOR HAS BROKEN OUT A CIRCULAR OPENING. THE LATERAL PIPE IS INSERTED NO FARTHER THAN TO THE INSIDE OF THE MAIN LINE PIPE WALL. THE CONNECTION IS THEN SECURED BY CONCRETE.
3. FOR CONNECTION ON NEW PVC LINE. INSTALL 8"x8"x4" WYE, ROTATED TO CREATE A 2% GRADE FROM THE RESIDENTIAL HOME

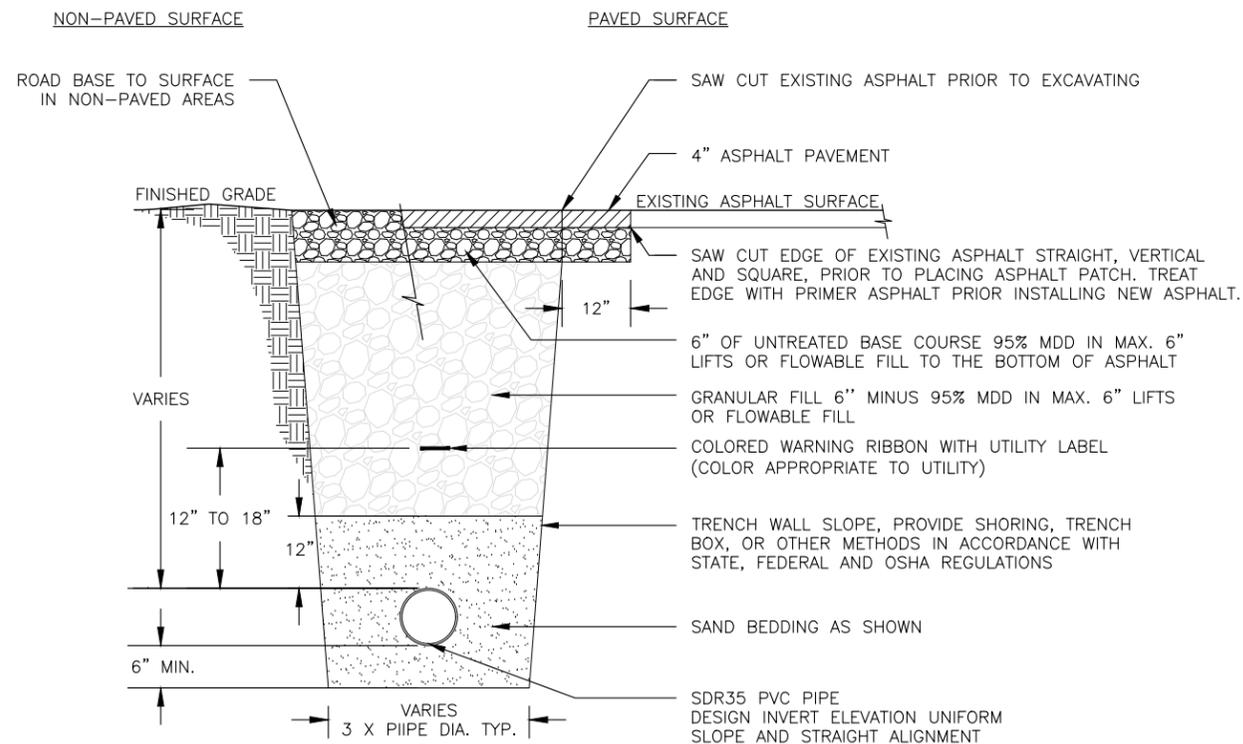
STANDARD SEWER LATERAL DETAIL

NOT TO SCALE



STANDARD SEWER MANHOLE PLAN VIEW

NOT TO SCALE



STANDARD TRENCH DETAIL

NOT TO SCALE

GENERAL SEWER UTILITY NOTES:

1. BACKFILL IN COMPACTED 6" LIFTS, FREE FROM ORGANIC MATERIAL & ROCKS LARGER THAN 6" COMPACTED TO 95% OF A T-180 UNDER TRAVELED AREAS. (NO PEA GRAVEL OR OTHER CLEAN ROCK MAY BE USED) IN NON-TRAVELED AREAS, COMPACTION MAY BE 95% OF A T-99 DENSITY WITH ± 2% OPTIMUM MOISTURE.
2. SAND APPROVED BY THE NEPHI CITY WILL BE USED FOR UTILITY LINE BEDDING, BUT MUST BE FREE OF LUMPS AND CHIPS. SAND 6" BELOW PIPE & 12" ABOVE OR AS APPROVED BY NEPHI CITY TO BE PLACED IN COMPACTED LIFTS NOT GREATER THAN 6 INCHES. COMPACTION WILL BE TO 95% OF A T-180 WITH ± 2% OPTIMUM MOISTURE OR AS APPROVED BY CITY INSPECTOR. BEDDING COMPACTION FROM THE CROWN OF THE PIPE DOWN MAY ONLY BE DONE WITH HAND-OPERATED COMPACTOR (JUMPING JACK OR PLATE COMPACTION).
3. MINIMUM GRADE FOR MAIN LINES MUST BE EQUAL TO OR GREATER THAN STATE REGULATIONS.
4. ALL SEWER SYSTEM MATERIALS ARE TO BE PRE-APPROVED BEFORE INSTALLATION.
5. GRADE FROM BUILDING TO MAIN LINES TO MEET INTERNATIONAL RESIDENTIAL CODE, OR APPROVED BY NEPHI CITY BUILDING INSPECTOR.
6. SEWER MAINS TO VIDEO TESTED AS DIRECTED BY THE CITY WATER AND SEWER SUPERINTENDENT.
7. SEWER MANHOLE BASES SHALL PROVIDE A .1' DROP DISTANCE ACROSS THE MANHOLE (MINIMUM).
8. MANHOLES SHALL HAVE A MINIMUM DEPTH OF 9'-0" UNLESS OTHERWISE APPROVED BY THE CITY.
9. SDR35 REQUIRED ON ALL NEW MAIN LINE INSTALLATION
10. ALL WORK MUST BE INSPECTED BY NEPHI CITY PRIOR TO BACKFILL

SHEET

12

ORIGINAL

BY _____ DATE _____

REVISIONS

△ BY _____ DATE _____

△ BY _____ DATE _____

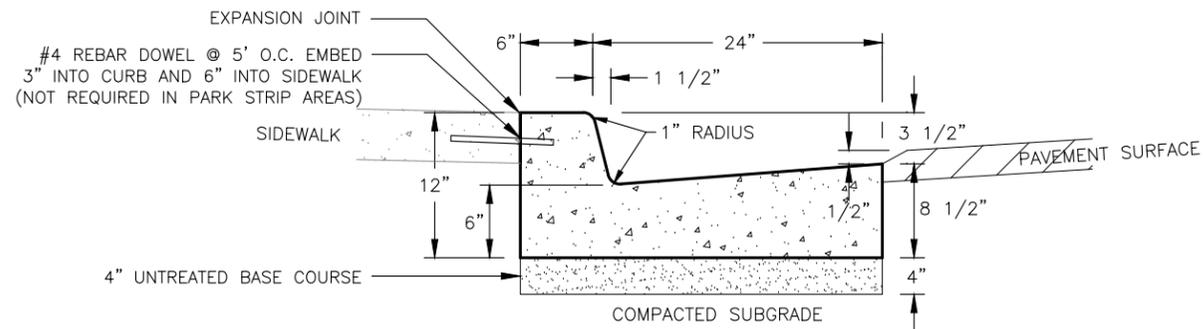
△ BY _____ DATE _____

DRAWING NAME
SANITARY SEWER
DETAIL (CONTINUED)

PROJECT NAME
PROJECT LOCATION

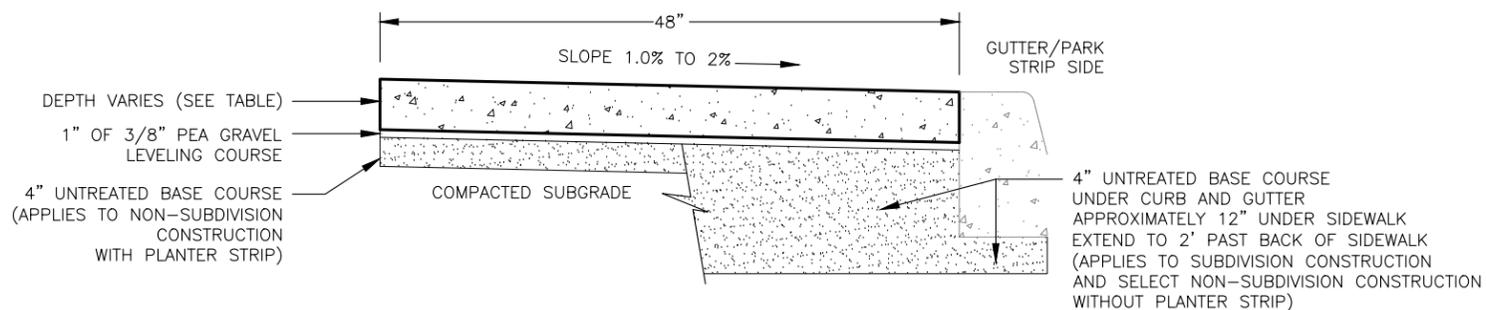
CLIENT NAME/OWNER NAME
CLIENT ADDRESS

ENGINEERING FIRM
FIRM ADDRESS



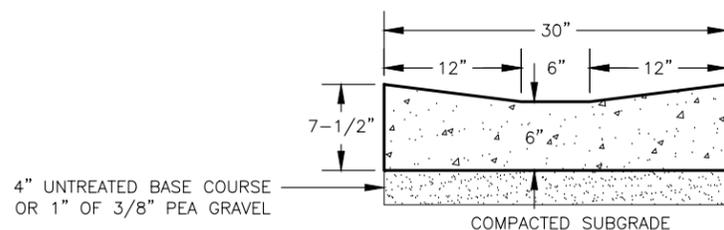
STANDARD 30" COMBINED CURB & GUTTER

NOT TO SCALE



STANDARD 48" SIDEWALK

NOT TO SCALE



STANDARD 30" ROLL-THROUGH GUTTER

NOT TO SCALE

MINIMUM SIDEWALK THICKNESS TABLE

CONDITION	MINIMUM SIDEWALK THICKNESS
RESIDENTIAL ZONE (TYPICAL)	4"
RESIDENTIAL ZONE SIDEWALK AT DRIVEWAY APPROACH	4"
RESIDENTIAL ZONE SIDEWALK WHERE DRIVEWAY LOCATION IS UNKNOWN	4"
RESIDENTIAL ZONE DRIVEWAY WITHIN PARK STRIP	4"
COMMERCIAL & INDUSTRIAL ZONE (TYPICAL)	6"
COMMERCIAL & INDUSTRIAL ZONE SIDEWALK AT DRIVEWAY APPROACH	6"

NOTES:

INSPECTION OF ALL SUB-GRADE, BASE, AND CONCRETE FORMS IS REQUIRED 24 HOURS BEFORE POURING CONCRETE. TO SCHEDULE AN INSPECTION, CONTACT NEPHI CITY STREETS SUPERINTENDENT.

SUBGRADE PREPARATION

- GRUB ROOTS TO 12" BELOW SUBGRADE
- CUT/FILL TO LINE AND GRADE (ALLOW FOR 4" BASE MATERIAL)
- SCARIFY 6" DEEP AND RECOMPACT TO 95% MAX. DRY DENSITY, USE ASHTO T-180 MODIFIED PROCTOR TEST
- COMPACT FILL TO MINIMUM OF 95% MAX. DRY DENSITY, USE ASHTO T-180 MODIFIED PROCTOR TEST

BASE PREPARATION

- 4" MINIMUM DEPTH UNTREATED BASE COURSE WITH 1" OF 3/8" PEA GRAVEL LEVELING COURSE
- COMPACT UNTREATED BASE COURSE TO MINIMUM OF 95% MAX. DRY DENSITY, USE ASHTO T-180 MODIFIED PROCTOR TEST
- RAKE PEA GRAVEL TO GRADE LEVEL
- FINISH BASE SURFACE AT OR BELOW CONCRETE LINE

CURB GUTTER REQUIREMENTS

- MINIMUM SLOPE 0.50% UNLESS APPROVED BY NEPHI CITY
- HORIZONTAL ALIGNMENT 1-INCH MAX. FROM TRUE LINE AT ANY LOCATION, 1/2-INCH MAX. VARIANCE IN 10- FEET
- VERTICAL ALIGNMENT 1/2-INCH MAX FROM DESIGN GRADE AT ANY LOCATION, 1/2" MAX. VARIANCE IN 10- FEET, NO PONDING
- CONTRACTION JOINTS AT 10"-0" O.C. MAXIMUM, DEPTH 1/4 OF CONCRETE DEPTH MINIMUM
- 1/2-INCH MAX. RADIUS CORNERS AT LIP AND TOP BACK OF CURB, AND AT OTHER LOCATIONS EXPOSED TO VIEW

SIDEWALK REQUIREMENTS

- MINIMUM CROSS-SLOPE 1.0% MAXIMUM CROSS-SLOPE 2.0% TOWARD GUTTER
- CONTRACTION JOINTS AT 10'-0" O.C. MAXIMUM, DEPTH 1/4 OF CONCRETE DEPTH MINIMUM
- EXPANSION JOINTS AT 80'-0" O.C. MAXIMUM AND AT POINTS OF CURVATURE FOR STREET CORNERS
- MATCH EXPANSION JOINTS IN SIDEWALK WITH EXPANSION JOINTS IN CURB GUTTER
- 1/2-INCH WIDE EXPANSION JOINT FILLER, FULL DEPTH OF CONCRETE, FLUSH WITH SURFACE
- LONGITUDINAL JOINT REQUIRED AT CENTER (OR 10'-0" O.C. MAXIMUM) WHERE TOTAL SLAB WIDTH EXCEEDS 15- FEET
- 1/2-INCH MAX. RADIUS CORNERS AT EDGES OF SIDEWALK AND OTHER LOCATIONS EXPOSED TO VIEW
- FOR FLATWORK 1 POUND OF FIBER PER CUBIC YARD OF CONCRETE IS REQUIRED

ROLL-THROUGH GUTTER REQUIREMENTS

- SLOPE 1-1/2" DOWN TO CENTER OF WATERWAY (6" DEPTH AT CENTER AND 7-1/2" DEPTH AT OUTSIDE EDGE)
- ROLL THROUGH GUTTER SHALL ONLY BE INSTALLED WITH PERMISSION FROM NEPHI CITY
- FOR FLATWORK 1 POUND OF FIBER PER CUBIC YARD OF CONCRETE IS REQUIRED

CONCRETE

- MINIMUM CEMENT CONTENT 7 BAGS PER CUBIC YARD, 1 POUND OF FIBER PER YARD
- DESIGN 28-DAY COMPRESSIVE STRENGTH 4500 PSI
- AIR CONTENT 6% ± 1.0%
- SLUMP 4 1/2-INCH MAXIMUM
- TESTING
 - TOTAL POUR LESS THAN 5 CUBIC YARDS OR LESS - NO TEST REQUIRED
 - TOTAL POUR 5 CUBIC YARDS OR MORE - 1 TEST PER 50 CUBIC YARDS (OR FRACTION THEREOF)
 - COMPRESSIVE STRENGTH (3 CYLINDERS PER TEST)
 - AIR
 - SLUMP
- BROOM FINISH
- CURE AND SEAL WITH PRODUCT MEETING ASTM C-1315, TYPE 1, CLASS A.

SLIP FORMING

- SLIP FORMS MUST PRODUCE REQUIRED CROSS-SECTION, GRADE, JOINTS AND FINISH AS SPECIFIED FOR FORMED CONCRETE

SHEET

13

ORIGINAL

BY _____ DATE _____

REVISIONS

△ BY _____ DATE _____

△ BY _____ DATE _____

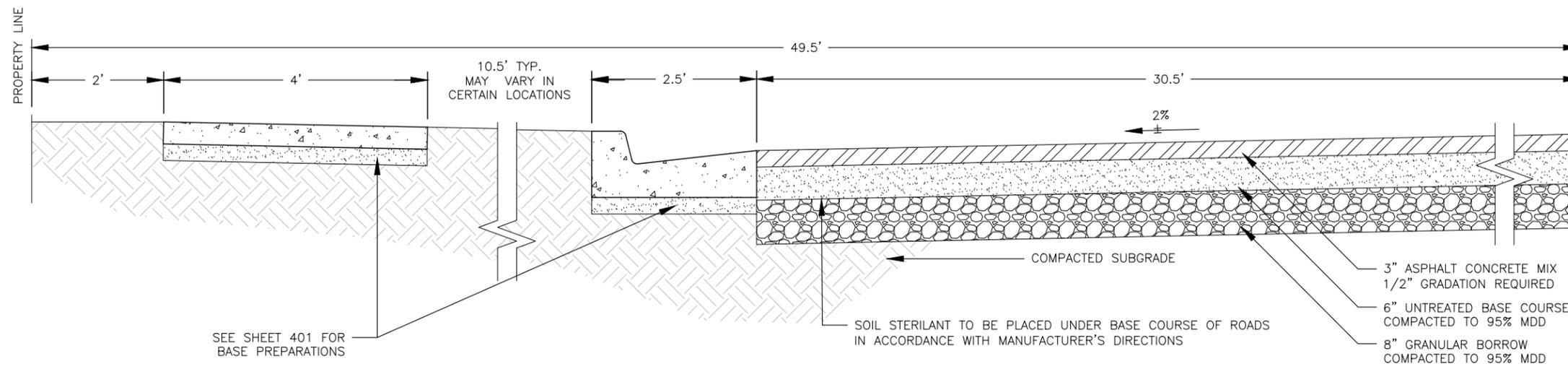
△ BY _____ DATE _____

DRAWING NAME
SIDEWALK, CURB, &
GUTTER DETAIL

PROJECT NAME
PROJECT LOCATION

CLIENT NAME/OWNER NAME
CLIENT ADDRESS

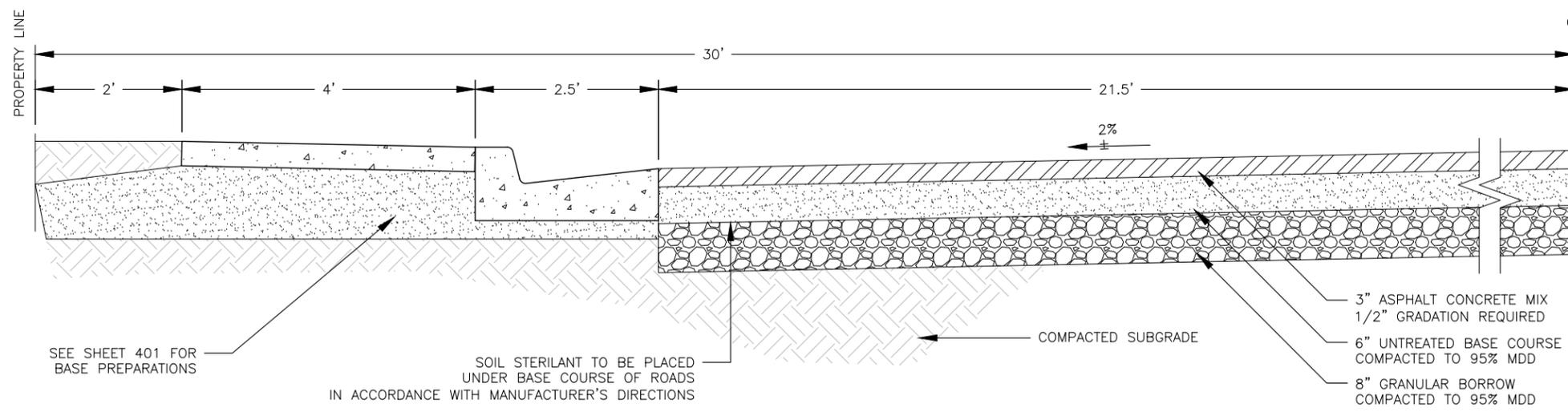
ENGINEERING FIRM
FIRM ADDRESS



- NEPHI CITY RIGHT-OF-WAY ROAD SECTION IS APPLICABLE TO THE FOLLOWING:
- NEW SINGLE FAMILY RESIDENTIAL CONSTRUCTION NOT LOCATED IN A SUBDIVISION
 - EXISTING SINGLE FAMILY RESIDENTIAL PROPERTIES NOT LOCATED IN A SUBDIVISION
 - COMMERCIAL AND INDUSTRIAL PROPERTIES

STANDARD ROAD CROSS SECTION - NEPHI CITY RIGHT-OF-WAY (99')

NOT TO SCALE



- SUBDIVISION ROAD CROSS SECTION IS APPLICABLE TO THE FOLLOWING:
- NEW SUBDIVISIONS
 - SOME EXISTING SINGLE FAMILY RESIDENTIAL PROPERTIES NOT LOCATED IN A SUBDIVISION
 - SUN RIDGE RANCHES SUBDIVISION ROLL THROUGH GUTTER IS REQUIRED IN PLACE OF 30" COMBINED CURB AND GUTTER

STANDARD ROAD CROSS SECTION - SUBDIVISION (60')

NOT TO SCALE

SEE NOTES ON SHEET 405

SHEET 14	ORIGINAL BY _____ DATE _____	DRAWING NAME ROAD CROSS SECTION DETAIL	PROJECT NAME PROJECT LOCATION	CLIENT NAME/OWNER NAME CLIENT ADDRESS	ENGINEERING FIRM FIRM ADDRESS
	REVISIONS △ BY _____ DATE _____ △ BY _____ DATE _____ △ BY _____ DATE _____				

NOTES:

ALTERNATE PAVEMENT SECTIONS MAY BE APPROVED BY NEPHI CITY BASED ON AASHTO PAVEMENT DESIGN METHODS, DETAILED TRAFFIC ANALYSES, AND LABORATORY TESTING OF UNTREATED BASE COURSE, GRANULAR BORROW, AND SUBGRADE SOILS.

24 HRS NOTICE FOR ALL INSPECTIONS. GRADE STAKES TO REMAIN UNTIL INSPECTION

SEE STANDARD SPECIFICATION SECTION 31-05-13 FILL MATERIAL REFERENCES.

ROADWAY CONSTRUCTION

1. CONTRACTOR/DEVELOPER WILL BE RESPONSIBLE FOR TRAFFIC AND DUST CONTROL AS DETERMINED BY THE INSPECTOR
2. IN DRY SEASONS, WATER TRUCKS WILL NEED TO BE AVAILABLE FOR DUST SETTLEMENT
3. WHEN SUBDIVISION CONSTRUCTION ABUTS AN EXISTING CITY STREET, THESE SPECIFICATIONS WILL APPLY
4. THE EXISTING ASPHALT SHALL BE CUT TO CREATE A CLEAN CONNECTION TO THE NEW ROAD
5. THE EXTENT OF THE WORK TO BE COMPLETED ON, OR ADJACENT TO THE EXISTING CITY STREET WILL BE DETERMINED DURING THE PROJECT DESIGN PHASE
6. CONTRACTOR/DEVELOPER WILL USE TRACKING PAD TO PREVENT MUD & GRAVEL FROM BEING WASHED INTO OR ENTERING OFF-SITE SUMPS, AND BE RESPONSIBLE FOR THE CLEAN-UP OF ALL MUD & GRAVEL TRACKED OFF-SITE
7. ANY CUTS OR FILLS NEED TO BE SLOPED AT A 3:1, SLOPES SHALL EXTEND 2' BEYOND CURB, SIDEWALK, AND BE COMPACTED TO 95% MDD OF ASHTO T-180 WITH $\pm 2\%$ OPTIMUM MOISTURE
8. IN ROADWAY CONSTRUCTION WHERE FILL IS REQUIRED, ALL VEGETATION AND FOREIGN MATERIAL WILL BE REMOVED AND THEN THE FILL BROUGHT UP IN 6" COMPACTED LIFTS ACCORDING TO THE ROAD DESIGN SPECIFICATION
9. GRANULAR BORROW AND BASE COURSES SHALL BE TRUE TO THE ESTABLISHED GRADE AND THICKNESS WITH NO GREATER THAN 1" VARIATION.
10. THE INITIAL ROADWAY EXCAVATION WILL SPAN THE ENTIRE ROADWAY FROM BACK OF SIDEWALK TO BACK OF SIDEWALK OR FROM BACK OF CURB TO BACK OF CURB WHERE PLANTER STRIPS ARE REQUIRED
11. ALL SURFACES ARE TO BE PLACED IN LAYERS NOT TO EXCEED 8" LOOSE LIFTS AND 6" COMPACTED LIFTS
12. RED HEADS TO BE PLACED AT CENTERLINE OF THE ROAD WAY, PLACE RED HEADS AT EVERY 50' AND 25' ON A RADIUS
13. COMPACTION TESTING REQUIRED UNDER ALL SIDEWALK AREAS
14. ALL EXTRA MATERIAL PLACED ON CITY PROPERTY MUST BE REMOVED WITH IN 2 WEEKS OF PROJECT COMPLETION

SUB-GRADE PREPARATION

1. CONTRACTOR WILL CERTIFY THAT THE ROADWAY EXCAVATION HAS BEEN COMPLETED TO DESIGN ELEVATIONS BEFORE PROCEEDING WITH UTILITY INSTALLATION, WRITTEN CERTIFICATION FROM THE PROJECT ENGINEER IS TO BE DELIVERED TO THE CITY INSPECTOR
2. AFTER INSTALLATION OF THE UTILITIES THE SUB-GRADE MATERIAL WILL BE COMPACTED TO 95% MDD OF A T-99 STANDARD PROCTOR WITH $\pm 2\%$ OPTIMUM MOISTURE
3. THE PROJECT ENGINEER/SURVEYOR WILL VERIFY GRADE AND ELEVATIONS BEFORE THE NEXT COURSE IS PLACED

GRANULAR BORROW COURSE

1. GRANULAR BORROW MATERIAL SHALL CONSIST OF WELL-GRADED, GRANULAR NATURAL AGGREGATE, WITH A MAXIMUM SIZE OF 2.5 INCHES, AND SHALL BE APPROVED BY NEPHI CITY STREETS SUPERINTENDENT
2. GRANULAR BORROW MATERIAL SHALL BE PLACED IN COMPACTED LIFTS NOT TO EXCEED 6" AND COMPACTED TO NOT LESS THAN 95% MDD AS DETERMINED BY AASHTO T-180 (MODIFIED PROCTOR) WITH $2\% \pm$ OPTIMUM MOISTURE CONTENT

BASE COURSE

1. STERILANT TO BE PLACED UNDER BASE FOR THE ROADS, CURB, GUTTER, AND SIDEWALK
2. UNTREATED BASE TO MEET 1" GRADATION. ALL MATERIAL BEFORE DELIVERY TO PROJECT MUST MEET THE STANDARD TESTING, AND RESULTS ARE TO BE GIVEN TO CITY STREETS SUPERINTENDENT
3. NEPHI CITY MAY REQUIRE ADDITIONAL TESTING OF MATERIAL DELIVERED TO PROJECT, PRIOR TO PLACEMENT, ACCORDING TO NEPHI CITY STANDARD
4. THE GRAVEL BASE SHALL BE PLACED IN COMPACTED LIFTS NOT TO EXCEED 6" AND COMPACTED TO NOT LESS THAN 95% MDD AS DETERMINED BY AASHTO T-180, WITH $2\% \pm$ OPTIMUM MOISTURE CONTENT.

ASPHALT COURSE

1. THE SURFACE COURSE SHALL CONSIST OF A MIXTURE OF MINERAL AGGREGATE AND BINDER. GRADATION OF AGGREGATE SHALL CONFORM TO THE FOLLOWING:
SIEVE SIZE - 1/2" 100% PASSING / 3/8"-69-91% PASSING / NO.4-42-58% PASSING / NO.16 17-31% PASSING / NO.50 9-21% PASSING / NO.200 4-8% PASSING
2. THE BITUMINOUS MATERIAL FOR THE SURFACE COURSE SHALL BE AC-10 PENETRATION ASPHALT CEMENT CONFORMING TO THE REQUIREMENTS OF ASTM M20-60
3. THE TEMPERATURE OF THE MIX SHALL BE BETWEEN 270°F AND 325° F WHEN PLACING
4. AMBIENT TEMPERATURE MUST BE 50° OR HIGHER
5. CORE DRILL EACH DAY, DENSITY 95% CHECK OIL & DEPTH
6. IT IS THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR TO CONTROL TRAFFIC ALL TRAFFIC SHALL BE KEPT OFF THE COMPLETED SURFACE FOR A MINIMUM PERIOD OF 24 HOURS
7. ASPHALT IS TO BE SEALED WITH A 1" OVERLAY AT THE END OF THE 2-YEAR WARRANTY PERIOD.

SHEET

15

ORIGINAL

BY _____ DATE _____

REVISIONS

△ BY _____ DATE _____

△ BY _____ DATE _____

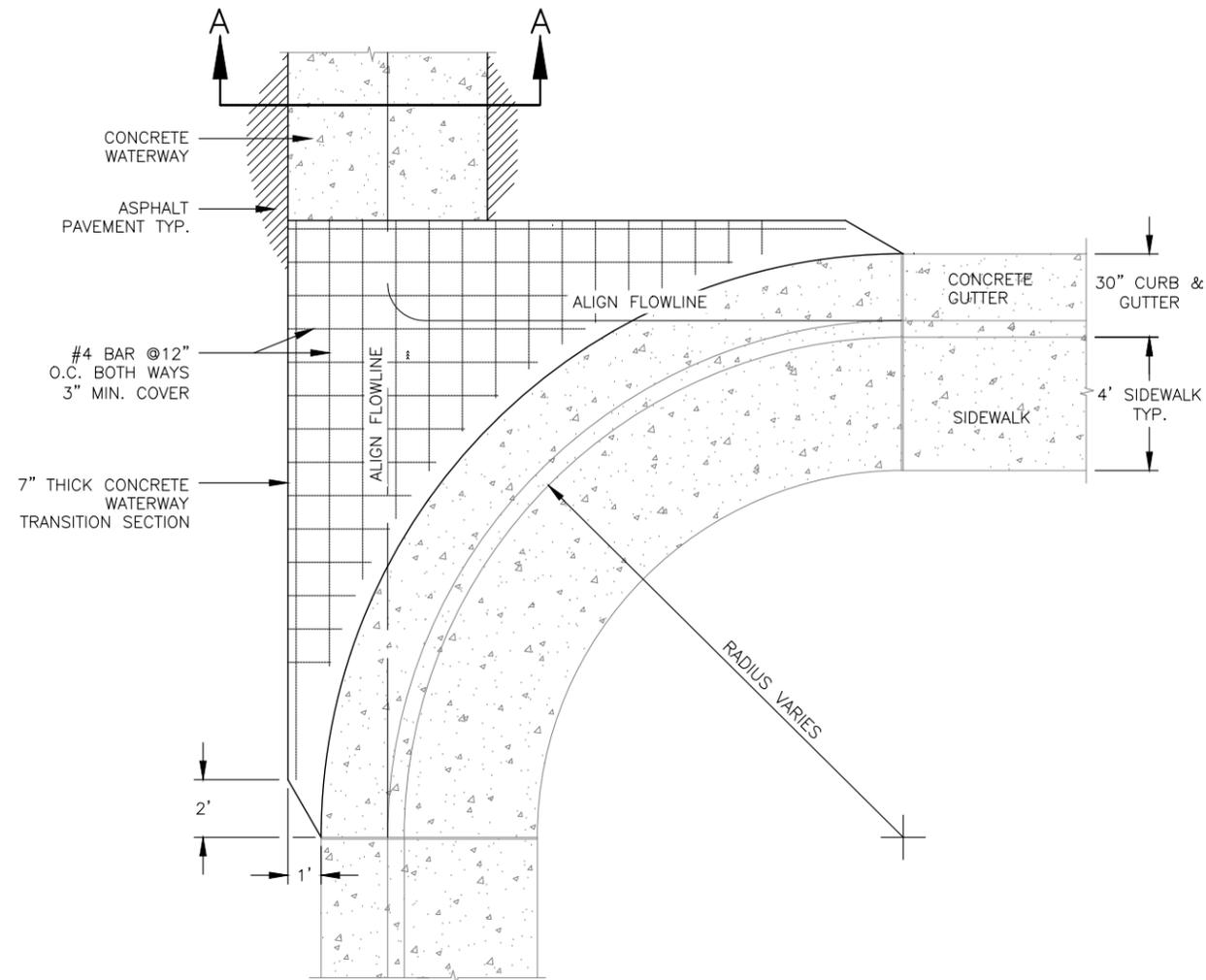
△ BY _____ DATE _____

DRAWING NAME
ROAD CROSS SECTION
DETAIL (CONTINUED)

PROJECT NAME
PROJECT LOCATION

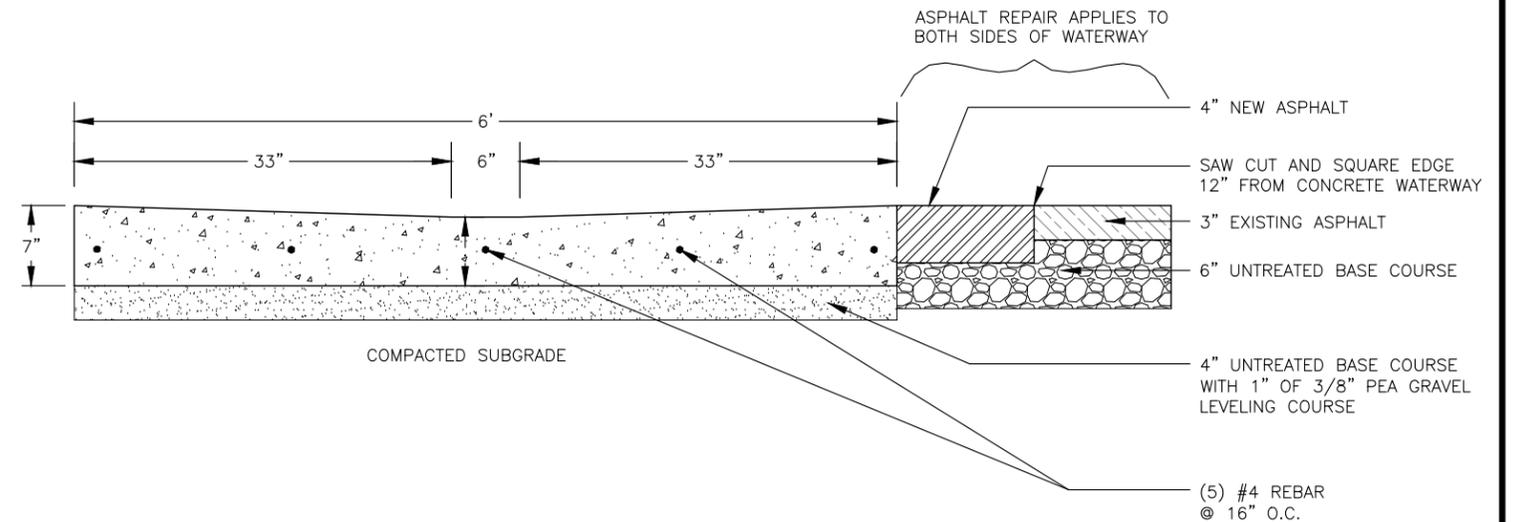
CLIENT NAME/OWNER NAME
CLIENT ADDRESS

ENGINEERING FIRM
FIRM ADDRESS



WATERWAY CORNER TRANSITION

NOT TO SCALE



STANDARD 72" WATERWAY SECTION A-A

NOT TO SCALE

NOTES:

GENERAL REQUIREMENTS

1. STANDARD CONCRETE WATERFORDS ARE 72"
2. TACK SIDES OF WATERFORD AND THICKEN ASPHALT PAVING TO 4" AT SIDES AS SHOWN
3. CONSTRUCT WHEELCHAIR RAMPS ACCORDING TO ADA REGULATIONS AND STANDARD DRAWINGS

SUBGRADE PREPARATION

1. GRUB ROOTS TO 12" BELOW SUBGRADE
2. CUT/FILL TO LINE AND GRADE (ALLOW FOR 4" BASE MATERIAL)
3. SCARIFY 6" DEEP AND RECOMPACT TO 95% MAX. DRY DENSITY
4. COMPACT FILL TO MINIMUM OF 95% MAX. DRY DENSITY, USE ASHTO T-180 MODIFIED PROCTOR TEST

BASE PREPARATION

1. 4" MINIMUM DEPTH UNTREATED BASE COURSE WITH 1" OF 3/8" PEA GRAVEL LEVELING COURSE
2. COMPACT UNTREATED BASE COURSE TO MINIMUM OF 95% MAX. DRY DENSITY, USE ASHTO T-180 MODIFIED PROCTOR TEST
3. RAKE PEA GRAVEL TO GRADE LEVEL
4. FINISH BASE SURFACE AT OR BELOW CONCRETE LINE

WATERWAY CONSTRUCTION REQUIREMENTS

1. MINIMUM SLOPE 0.50% UNLESS APPROVED BY NEPHI CITY
2. REBAR #4 16" O.C. BOTH WAYS

CONCRETE

1. MINIMUM CEMENT CONTENT 7 BAGS PER CUBIC YARD
2. DESIGN 28-DAY COMPRESSIVE STRENGTH 4500 PSI
3. AIR CONTENT 6% ± 1.0%
4. SLUMP 4 1/2-INCH MAXIMUM
5. TESTING
 - TOTAL POUR LESS THAN 5 CUBIC YARDS OR LESS - NO TEST REQUIRED
 - TOTAL POUR 5 CUBIC YARDS OR MORE - 1 TEST PER 50 CUBIC YARDS (OR FRACTION THEREOF)
 - COMPRESSIVE STRENGTH (3 CYLINDERS PER TEST)
 - AIR
 - SLUMP
6. BROOM FINISH PARALLEL TO GUTTER FLOWLINE
7. CURE AND SEAL WITH PRODUCT MEETING ASTM C1315, TYPE 1, CLASS A.

SHEET

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ORIGINAL

BY _____ DATE _____

REVISIONS

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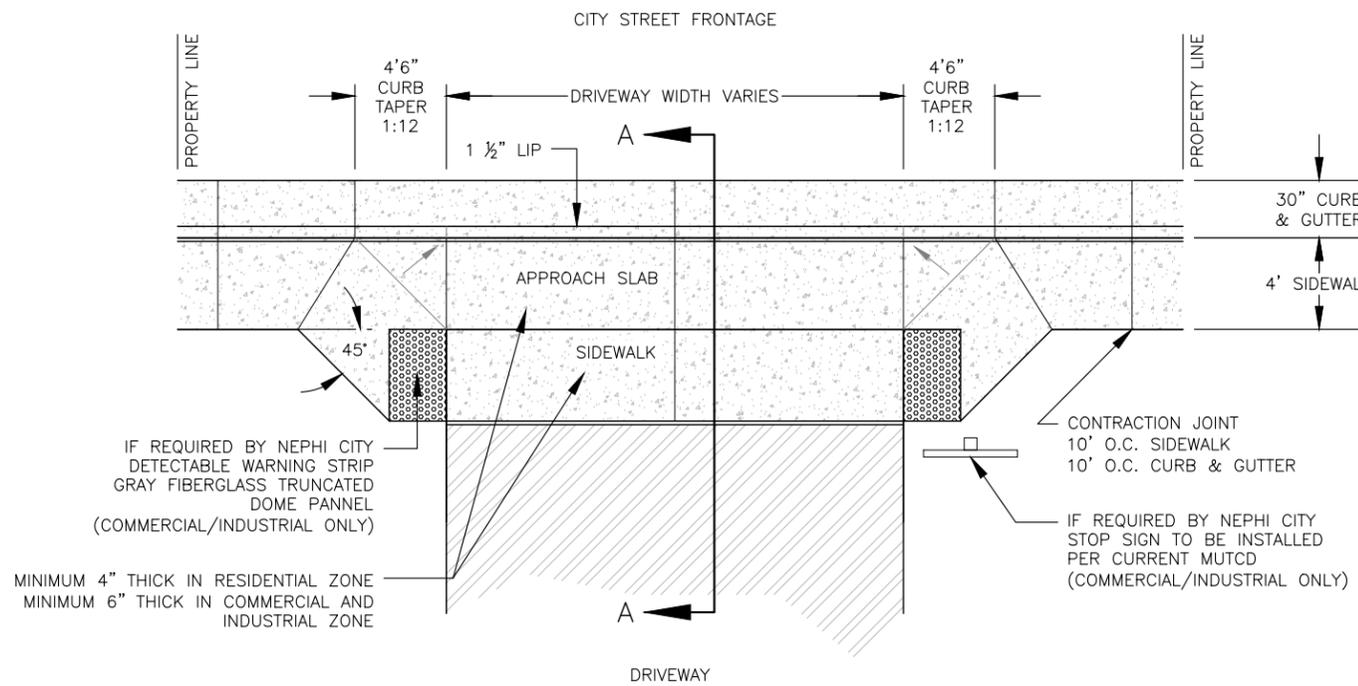
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DRAWING NAME
WATERWAY DETAIL

PROJECT NAME
PROJECT LOCATION

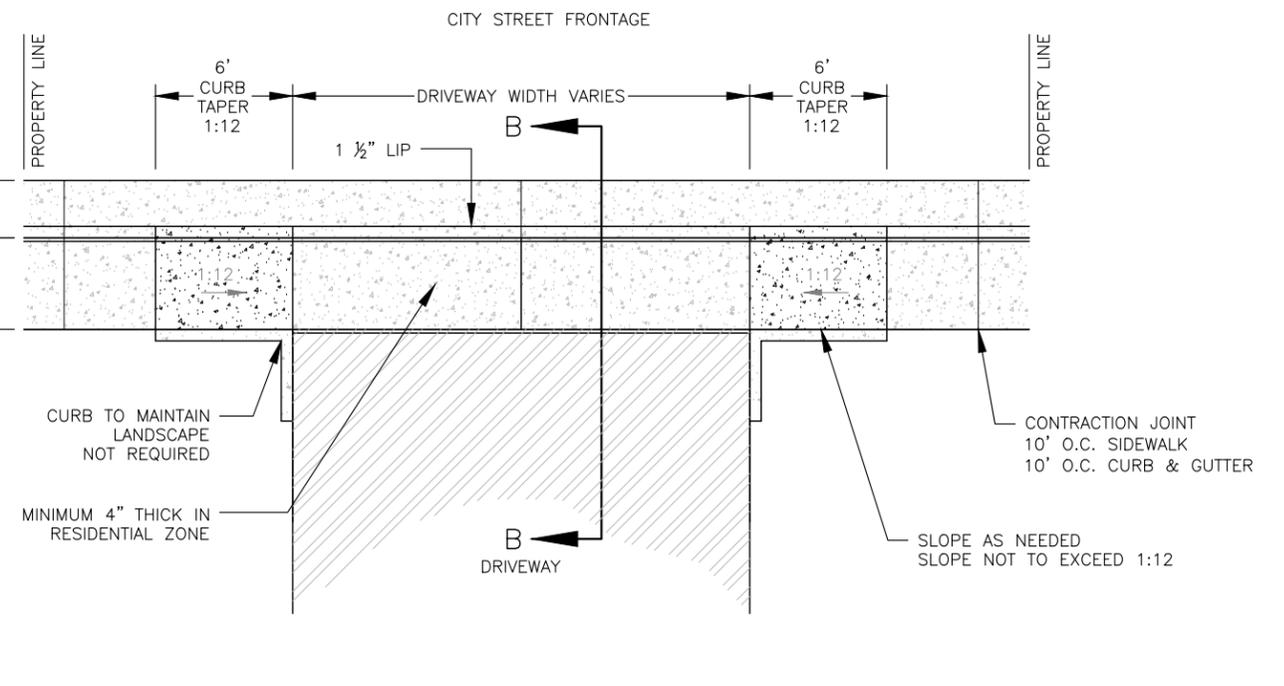
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CLIENT ADDRESS

ENGINEERING FIRM
FIRM ADDRESS



DRIVE APPROACH (NO PARK STRIP)

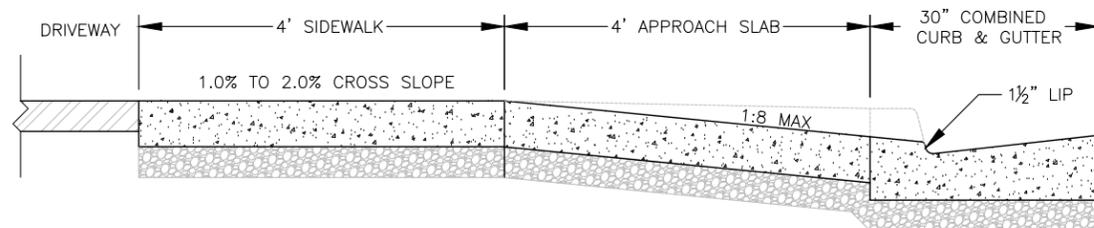
NOT TO SCALE



DRIVE APPROACH (RESIDENTIAL ONLY)

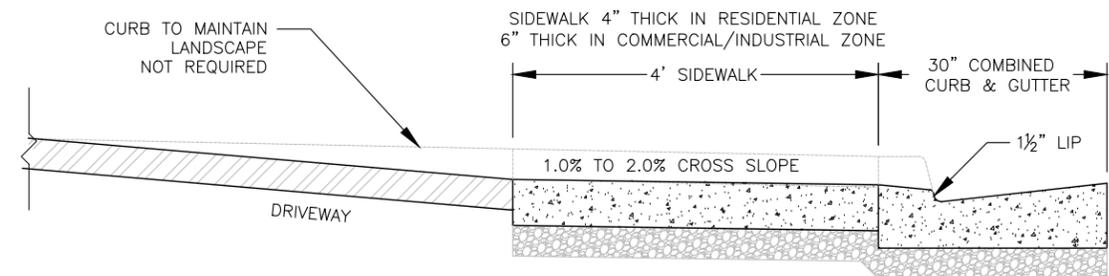
NOT TO SCALE

APPROACH SLAB AND SIDEWALK
4" THICK IN RESIDENTIAL ZONE
6" THICK IN COMMERCIAL/INDUSTRIAL ZONE



SECTION VIEW A-A (NO PARK STRIP)

NOT TO SCALE



SECTION VIEW B-B (NO PARK STRIP)

NOT TO SCALE

NOTES:

1. SEE SHEET 401 STANDARD CURB & GUTTER DETAIL
2. SEE SHEET 401 STANDARD SIDEWALK DETAIL
3. SEE SHEET 401 NOTES FOR SUB-GRADE, BASE, AND CONCRETE REQUIREMENTS
4. STOP SIGN MUST BE INSTALLED PER MUTCD, LATEST EDITION
5. DETECTABLE WARNING (TRUNCATED DOME) PANELS REQUIRED IF STOP SIGN REQUIRED
6. TRUNCATED DOME PANELS TO BE GRAY FIBERGLASS
7. CURB, GUTTER AND SIDEWALK TO EXTEND ALONG ALL PROPERTY LINES ADJACENT TO CITY STREET FRONTAGE
8. SIDEWALK MUST BE WITHIN DEDICATED RIGHT-OF-WAY

SHEET

17

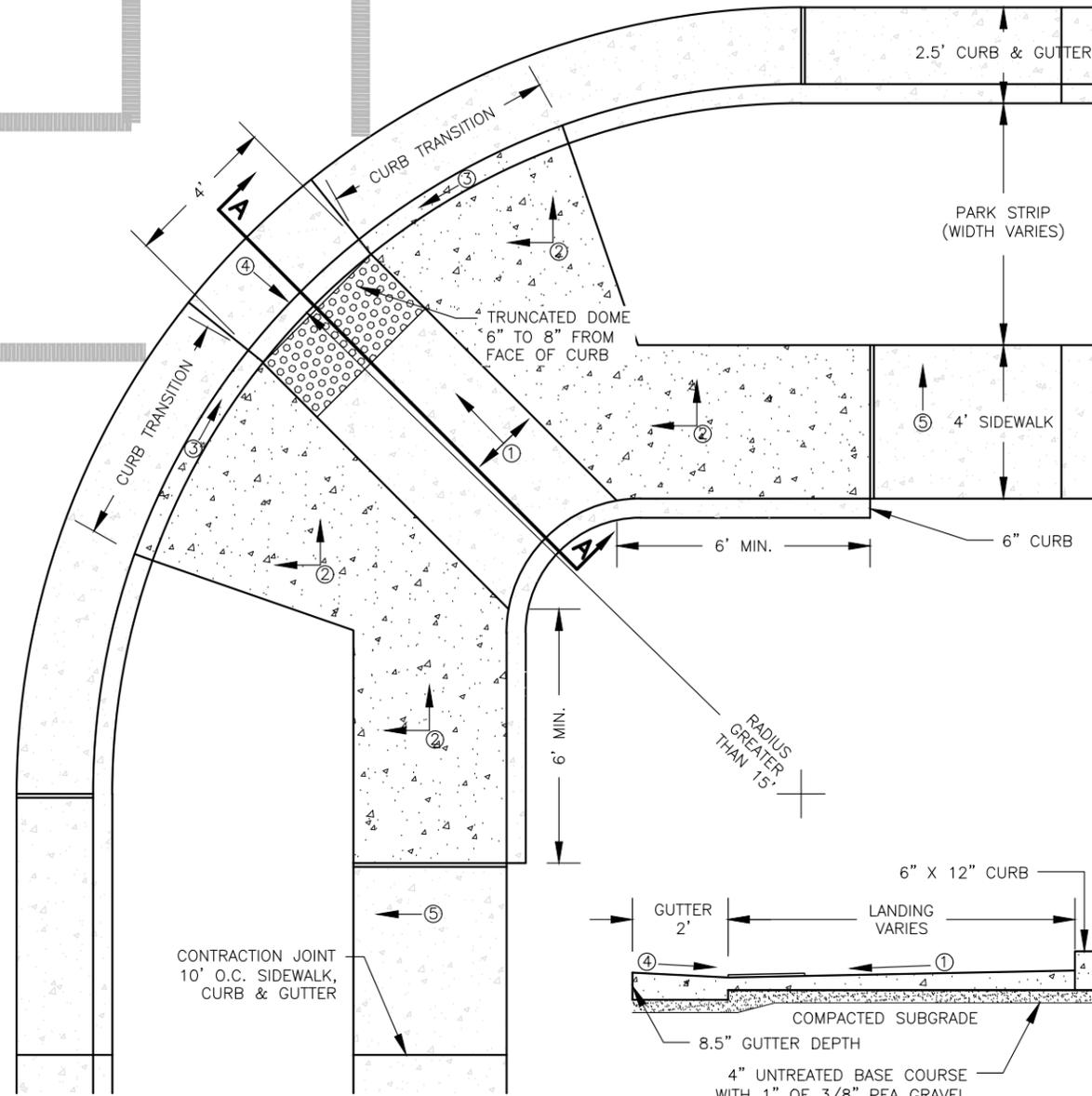
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BY _____ DATE _____
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DRAWING NAME
DRIVE APPROACH
DETAIL

PROJECT NAME
PROJECT LOCATION

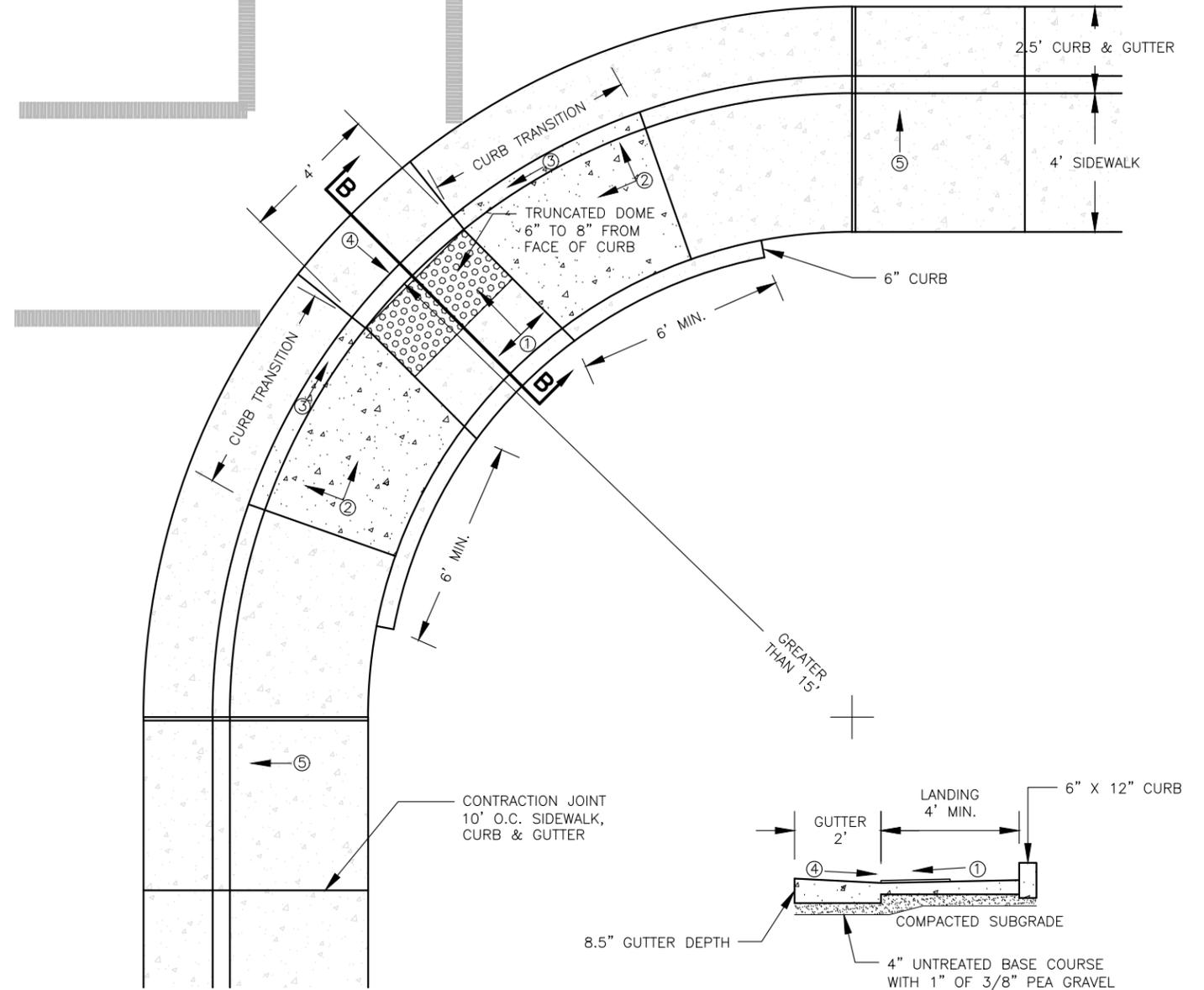
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CLIENT ADDRESS

ENGINEERING FIRM
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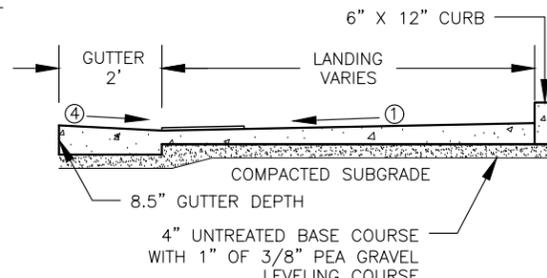
ADA CORNER RAMP (WITH PARK STRIP)

NOT TO SCALE

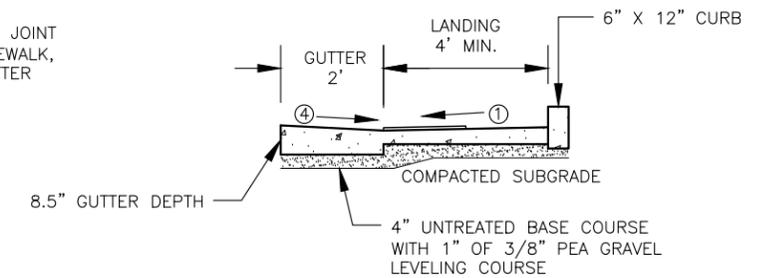


ADA CORNER RAMP (NO PARK STRIP)

NOT TO SCALE



SECTION A-A



SECTION B-B

SLOPE TABLE			
	ITEM	MAX. RUNNING SLOPE*	MAX. CROSS SLOPE**
①	LANDING	2% (1V:50H)	2% (1V:50H)
②	RAMP	8.33% (1V:12H)	2% (1V:50H)
③	CURB TRANSITION	8.33% (1V:12H)	2% (1V:50H)
④	GUTTER TRANSITION ***	5% (1V:20H)	2% (1V:50H)
⑤	SIDEWALK	---	2% (1V:50H)
⑥	FLARE	10% (1V:10H)	---

* RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL
 ** CROSS SLOPE IS PERPENDICULAR TO PEDESTRIAN TRAVEL
 *** NO LIP AT CURB LINE BETWEEN CURB AND GUTTER TRANSITION

NOTES:

- INSPECTION OF ALL SUB-GRADE, BASE, AND CONCRETE FORMS IS REQUIRED 24 HOURS BEFORE POURING CONCRETE. TO SCHEDULE AN INSPECTION, CONTACT NEPHI CITY STREETS SUPERINTENDENT.
- TRUNCATED DOME PANELS SHALL CONFORM WITH CURRENT LOCAL & FEDERAL ADA GUIDELINES AND AS APPROVED BY NEPHI CITY STREETS SUPERINTENDENT
 - TRUNCATED DOME PANELS SHALL BE SET IN CONCRETE DURING CASTING
 - TRUNCATED DOME PANELS SHALL BE GRAY FIBERGLASS 2' x 4'
 - PROVIDE DETECTABLE WARNING SURFACE FOR FULL WIDTH OF RAMP, LANDING, OR CURB CUT
 - STORM DRAIN INLET BOXES SHALL NOT BE LOCATED WITHIN ADA RAMP AREA
 - SIDEWALK AND CURB GUTTER SHALL NOT BE MONOLITHIC
 - EXPANSION JOINT REQUIRED ALONG BACK OF CURB WHEN ADJACENT TO CONCRETE
 - NO LIP AT FLOWLINE WHERE GUTTER CROSSES RAMP
 - SEE CURB GUTTER AND SIDEWALK DETAILS FOR ADDITIONAL REQUIREMENTS
 - CONCRETE THICKNESS MUST BE 6" FOR ALL RAMPS AND LANDINGS

ALL RAMP ARRANGEMENTS MUST BE APPROVED BY NEPHI CITY BEFORE CONSTRUCTION

SHEET

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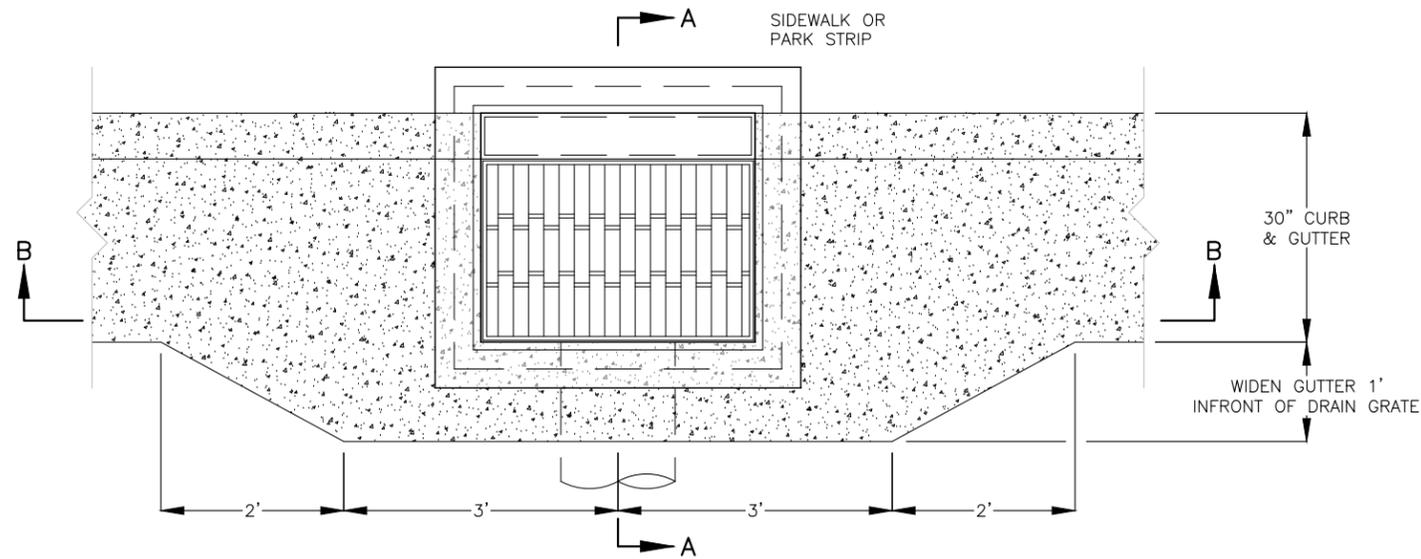
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 Δ BY _____ DATE _____

DRAWING NAME
ADA CORNER DETAIL

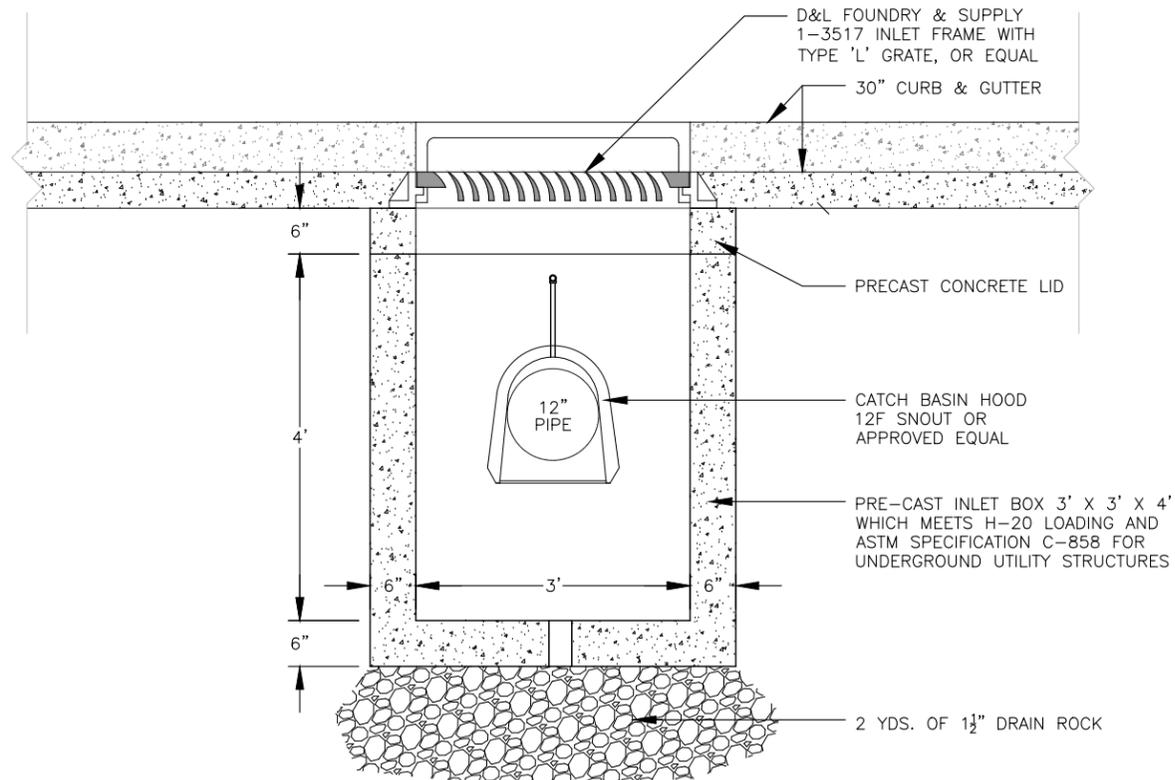
PROJECT NAME
PROJECT LOCATION

CLIENT NAME/OWNER NAME
CLIENT ADDRESS

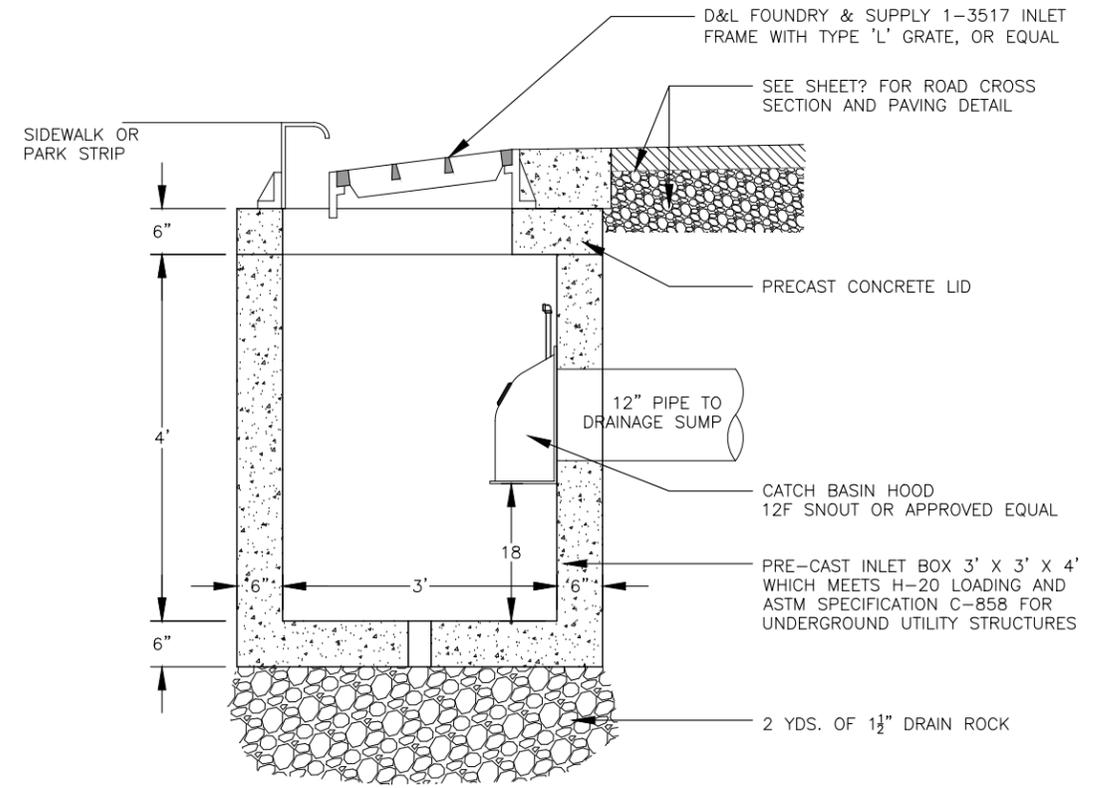
ENGINEERING FIRM
FIRM ADDRESS



STANDARD CATCH BASIN PLAN
NOT TO SCALE



STANDARD CATCH BASIN SECTION B-B
NOT TO SCALE



STANDARD CATCH BASIN SECTION A-A
NOT TO SCALE

NOTES:

1. CONCRETE: 7 BAGS/CU.YD. (4500 PSI - 28 DAY MIN.)
2. FRAME AND GRATE TO BE D&L FOUNDRY & SUPPLY 1-3517 INLET FRAME WITH TYPE "L" GRATE, OR EQUAL
3. PIPE SHALL BE 12" MINIMUM (UNLESS OTHERWISE APPROVED BY NEPHI CITY)
4. DRAIN ROCK AT BASE OF CATCH BASIN SHALL BE WELL COMPACTED USING A VIBRATING PLATE COMPACTOR.
5. CATCH BASIN HOOD IS REQUIRED IN ALL CATCH BASINS UNLESS SPECIFICALLY EXEMPTED BY NEPHI CITY.
6. DRAINAGE PIPE SIZES MAY VARY DEPENDING ON THE CALCULATED DRAINAGE QUANTITIES (12" IS A MINIMUM)

SHEET

19

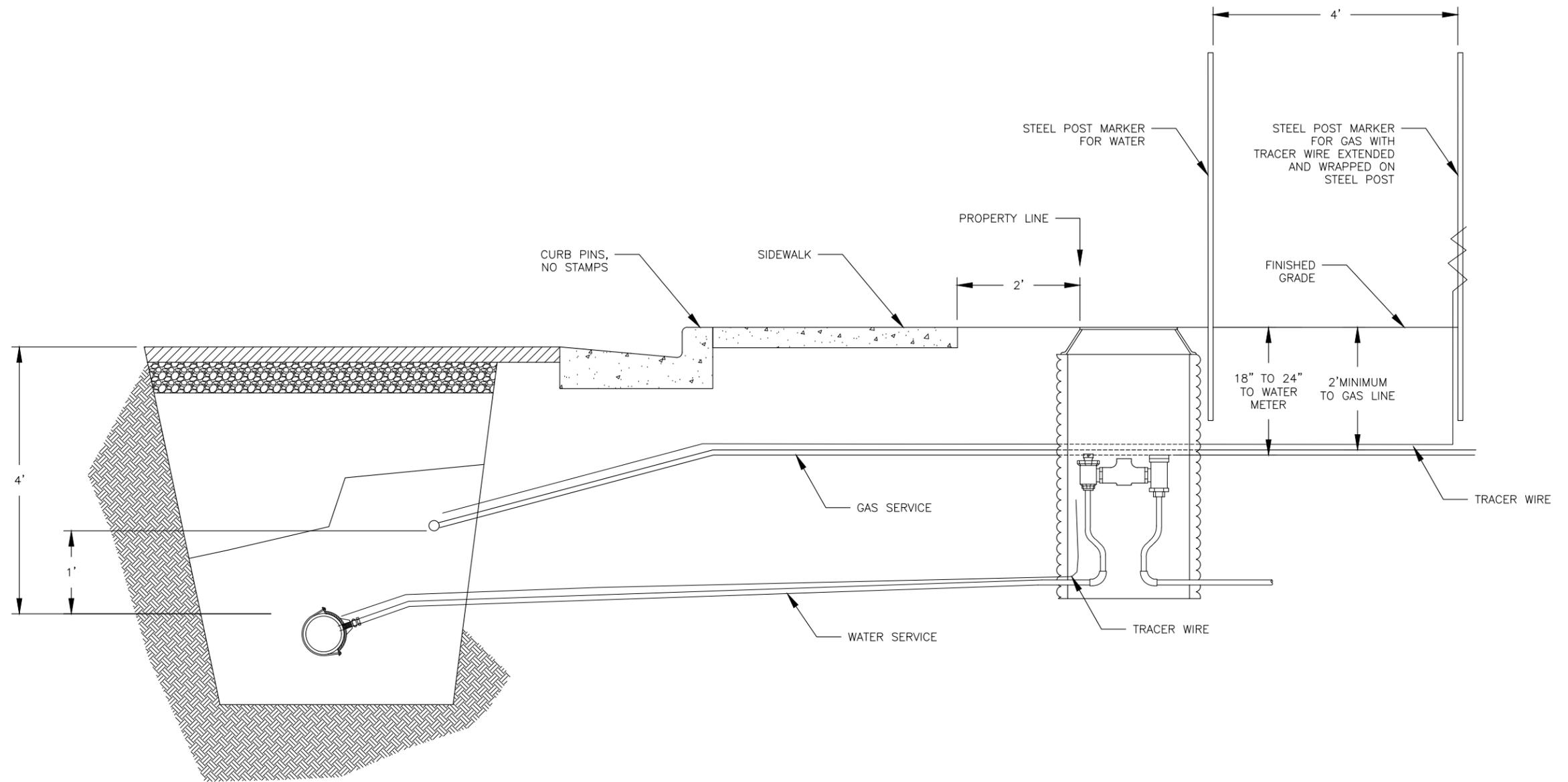
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DRAWING NAME
DRAINAGE CATCH
Basin Detail

PROJECT NAME
PROJECT LOCATION

CLIENT NAME/OWNER NAME
CLIENT ADDRESS

ENGINEERING FIRM
FIRM ADDRESS



GENERAL NOTES:

1. GAS SERVICE LINE AND TRACER WIRE ARE TO BE SEPARATED BY 6" HORIZONTALLY.
2. THE GAS METER IS TO BE A MINIMUM OF 3 FEET MEASURED HORIZONTALLY FROM THE ELECTRIC SERVICE.
3. DIG TRENCH 24 INCHES MINIMUM 36 INCHES MAXIMUM FROM FINISHED GRADE.
4. BACKFILL AROUND GAS PIPE IS TO BE SCREENED SAND. SAND IS TO ENVELOP THE GAS PIPE FOR 6 INCHES IN ALL DIRECTIONS. SAND IS TO BE PROVIDED BY CUSTOMER AND MUST BE ON SITE AND READILY ACCESSIBLE TO BACKHOE AT TIME THE GAS SERVICE IS INSTALLED.
5. THE GAS LINE IS NOT TO BE INSTALLED IN THE SAME TRENCH WITH THE POWER LINE.
6. CURB PINS WILL BE USED TO MARK ALL UTILITIES, NO STAMPS.

SHEET 20	ORIGINAL BY _____ DATE _____ REVISIONS ▲ BY _____ DATE _____ ▲ BY _____ DATE _____ ▲ BY _____ DATE _____	WATER & NATURAL GAS LOCATION	PROJECT NAME PROJECT LOCATION	CLIENT NAME/OWNER NAME CLIENT ADDRESS	ENGINEERING FIRM FIRM ADDRESS
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